

# PORT *MODERNIZATION* at a GLANCE

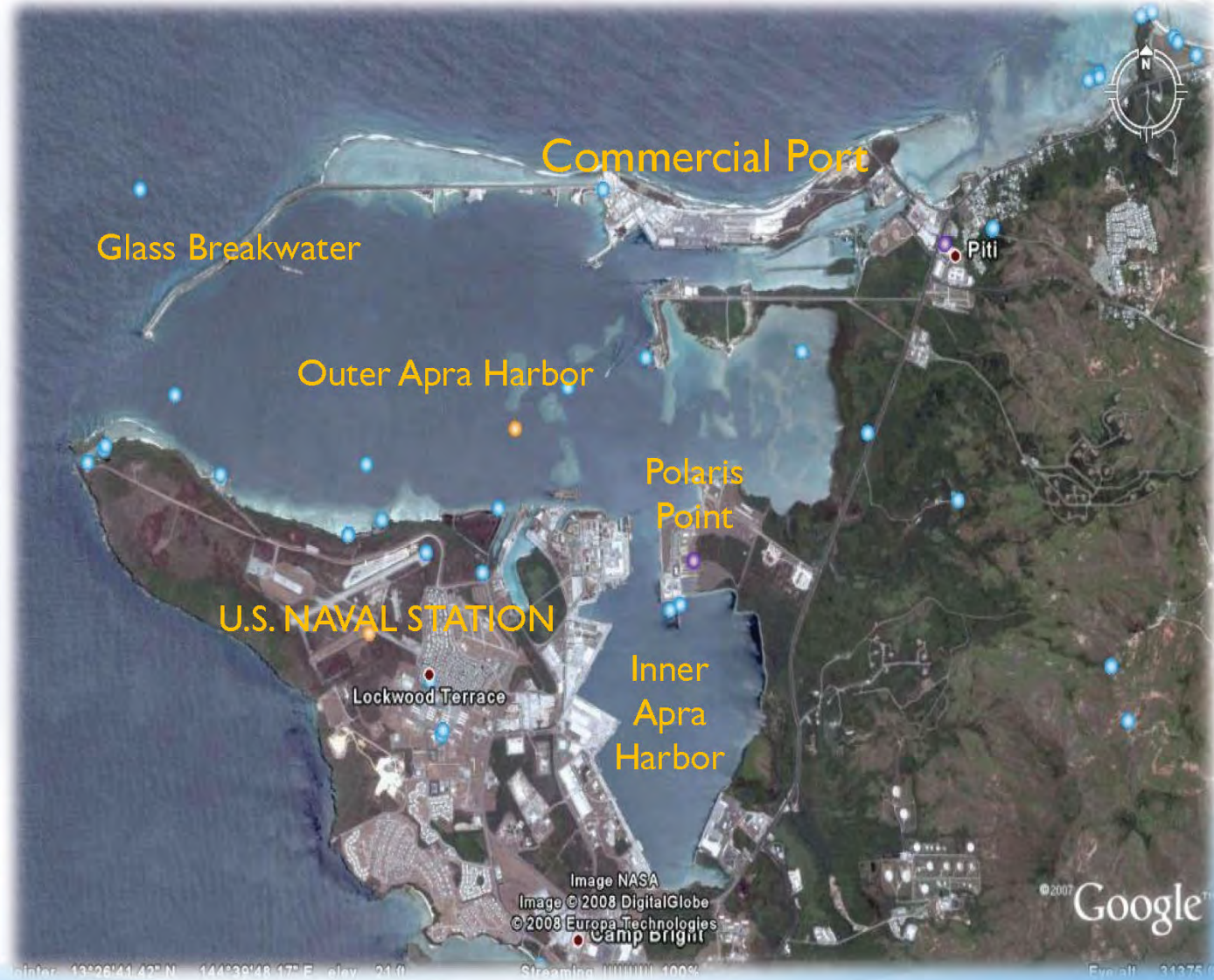


**Port Authority of Guam**  
**July 2014**





# Aerial Photo





# Overview of the Port

## Vision

- Modernize the Port into a world class facility in a safe, efficient & sustainable manner for Guam and the Western Pacific Region

## Goal

- Increase capacity
- Promote economic growth & opportunities for maritime related industries
- Strengthen working relationships with Port Users Group and other Port Tenants and Stakeholders
- Fast track infrastructure development to meet DoD requirements and Marine Base relocation demands





# Significance to the Region

- Largest U.S. deepwater port in the Western Pacific
- Only commercial seaport and main lifeline of all cargo entering Guam
- Handles over 90% of the island's total imports (civilian & military)
- Transshipment hub for the entire Western Pacific Region affecting a population of over half a million people
- Equipped to handle the diversified interests of containerized, break bulk, dry bulk, fuel, oil tankers, fish, tourist related activities, and passenger liner traffic





# Significance to the Region

- Designated by DoD as the 16<sup>th</sup> Commercial Strategic Seaport
- Listed among the nation's top 55 Militarily and Economically Significant (MES) Ports
- Currently, DoD related traffic represents a significant portion of the Commercial Port's overall operations
- Guam Port will continue its coordination efforts with DoD in preparation for the Guam Military Buildup Program





# Current Capacities

- Four (4) Berths with 2,700 linear feet of wharf space alongside dredged depths of 28 to 37 feet
- Each Berth can service container vessels with a maximum width of 100 feet
- Additional berths (Pier F-1 and Golf Pier) are properties owned by the Port and managed by private companies servicing fuel tankers
- Five (5) rail mounted Gantry Cranes on 1,980 linear feet of gantry rails; however G2 has been decommissioned
- Cargo Handling Equipment – Top-Lifters, Tractors, Forklifts, etc.

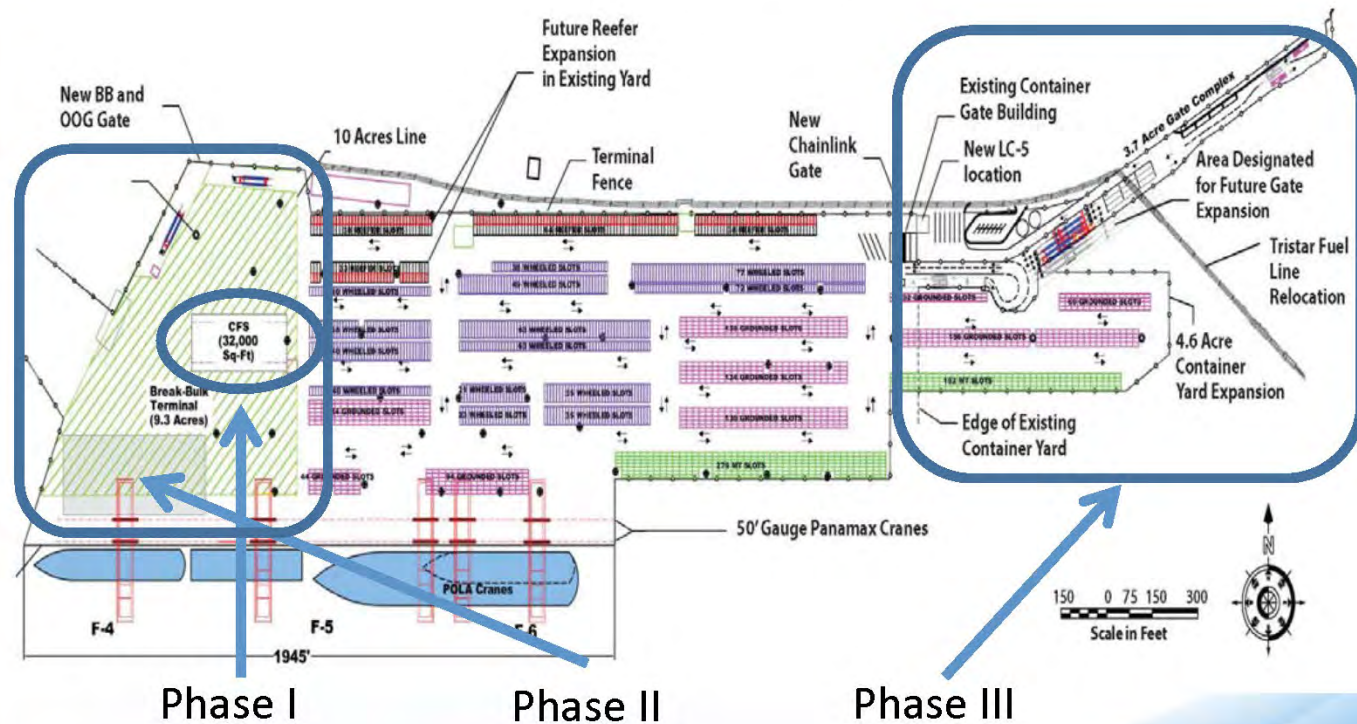




# Current Capacities

- Current maximum container space if on wheels – 1,553 TEUs
- Current maximum capacity if grounded and stacked 4 high/5 wide – 2,240 TEUs
- Operations personnel grouped by “Gangs” working two (2) 12-hour shifts
- Lifted 101,406 containers in FY2013
- Productivity – 25 gross moves per hour/per gantry





# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Route 11 Improvements and Traffic Enforcement Screening Station Project



#### Objective:

- To strengthen the Route 11 pavement from Route 1 to Industrial Avenue, including the Route 11/Route 1 intersection
- To construct a Traffic Enforcement Screening Station (TESS) that includes a static scale facility, scale house, and computerized weigh-in-motion system to prevent overweight and unsafe vehicles from damaging Guam's roadways

- MOU pending between DPW & DRT on usage of facility

**Funding Source:** DoD & FHWA

Contractor: Core Tech International

**Project Cost:** \$22.3M

**Completion Date:** April 2013

# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Construction of CMU Wall and Installation of Heavy Duty Chain Link Perimeter Security Fence

Existing CMU Wall



Proposed CMU Wall



Proposed Chain Link Fence



#### Objective:

- Construct a 2000 LF Concrete Masonry Unit (CMU) wall with 4-layer barbed wire
- Install a 4500 LF heavy duty chain link perimeter security fence with concrete columns
- Replace and install a 20 LF heavy duty chain link double swing gate
- Replace damaged and corroded 2000 LF barbed wire on existing CMU wall

**Funding Source:** USDHS/FEMA Port Security Grant Program

**Project Cost:** \$461,712.00

#### Current Status:

- Grant awarded on: Sept. 01, 2013
- Grant accepted by the PAG: Oct. 2, 2013
- Project budget has been approved by FEMA on November 2013. Grant Adjustment Notice was issued releasing grant funds for immediate use.
- Phase I – pending NTP issuance  
Phase II – PAG is finalizing SOW for remaining fencing requirements

# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### PAG Cranes Performance Management Contractor (PMC)



#### **Objective:**

■ To solicit qualified and interested companies to provide professional services as a Performance Management Contractor (PMC) to manage the performance, operations, and maintenance of the PAG's cranes

**Funding Source:** PAG Crane Surcharge

**Start Date:** July 1, 2014

# **PORT** *MODERNIZATION* at a **GLANCE**

## **PROJECT UPDATES**

July 2014

### **Guam Commercial Port Improvement (GCPI) Program: Phase I – CFS Building Modifications**



#### **Objective:**

- To renovate the existing space into a 7,200 sq. ft. single story office building for Port operations personnel that will be displaced as a result of the demolition of Warehouse 2
- To enclose existing doorways
- Installation of roll up doors
- To secure cargo storage area

**Funding Source:** MARAD/Port Enterprise Fund

**Contractor:** Pro Pacific Builders

**Project Cost:** \$899,000.00

**NTP:** May 20, 2013

**Completion Date:** February 2014

# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Guam Commercial Port Improvement (GCPI) Program: Phase II – Selected Demolition & Break Bulk Yard Modifications



#### **Objective:**

- To make paving repairs to increase break bulk staging area to approximately 9 acres
- To increase cargo efficiency in anticipation of organic growth and/or military buildup
- To demolish Warehouse 2, scale house, old gas station, and wash down area

**Funding Source:** MARAD/Port Enterprise Fund

**Contractor:** Smith Bridge Inc.

**Project Cost:** \$1,393,837.00

**Completion Date:** May 2014

# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Guam Commercial Port Improvement (GCPI) Program: Phase II – Selected Demolition & Break Bulk Yard Modifications (COMPLETED)



# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Guam Commercial Port Improvement (GCPI) Program: Phase III – PAG Facility Expansion



#### **Objective:**

- To expand container yard by 4.6 acres
- To install high mast lighting in predetermined areas
- To build a new terminal gate complex & runway
- To install oil and water separators as required by GEPA

**Funding Source:** MARAD/Port Enterprise Fund

**Contractor:** Black Construction

**Completion Date:** Third quarter of 2015

# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Guam Commercial Port Improvement (GCPI) Program: Phase III – PAG Facility Expansion (ONGOING)



# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Port Command Center & Security Enhancement Project



#### Objective:

- Construction of Port Command Center (PCC) to conduct and oversee the management and operations of Port responses to incidents during normal day to day and emergency situations.
- Build out of a comprehensive Command and Control Integration System that includes a CCTV, Access Control and Secured Credentialing, and TWIC Reader capability for the entire Port facility.

**Funding Source:** USDHS/FEMA Port Security Grant Program (2008, 2009, 2009 ARRA, and 2010)

**Contractor:** Maeda Pacific Inc.

**Project Cost:** \$2,933,000.00

**Completion Date:** May 31, 2014

#### Current Status:

- PCC building 100% complete; interior work completed
- 100% of Access Control System installed in all Port buildings
- Air Blown Future Flex Micro Fiber has been installed and connects all buildings to each other and to the PCC.
- All PCC high tech equipment, furnitures, and accessories have been installed
- Ribbon Cutting Ceremony-June 12, 2014

# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Port Command Center & Security Enhancement Project



# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Hotel Wharf Revitalization Project

#### Objective:

■ To revitalize/rebuild the 500-foot long structure as a multipurpose wharf to accommodate functions that include berthing for: passenger/cruise ships, research vessels, self-sustaining vessels, commercial activities, exports of scrap metal, import of vehicles, and fishing activities

#### Scope of Work:

- Final Plans, Design work, Geotechnical and Structural Calculations, Environmental requirements and other Reports have been completed by OAE Parsons.
- Revitalization work is a shovel-ready project.
- On April 2014, the Port submitted an application to the 2014 U.S. DOT TIGER grant program.

#### Current Status:

- Waiting on U.S. DOT decision on it's TIGER grant application.



# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Tristar-Star Fuel Line Repair

**Objective:**

■ To strengthen fuel pipe lines A, B & D passing underneath PAG property.

**Funding Source:** Tri-Star Guam Inc.

**Contractor:** ABLE Corporation

**Completion Date:** December 2014

**Current Status:** Start of excavation & pipe lines exposure at Sta. 40+00 fronting the Port Administration building.

# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Replacement of Welded steel Petroleum Distribution Piping & Appurtenances (Mobil)



#### Objective:

■ Replace three corroded fuel lines & repair pipe supports from Golf Pier to the site's Y-junction.

**Funding Source:** Federal Highway Administration & Port Authority of Guam

**Contractor:** Rex International, Inc.

**Completion Date:** March 2015

**Current status:** Contractor is processing documents for submission.

# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Marine Service Life Extension

#### Objective:

■ As a result of significant damage suffered during the 1993 earthquake, F-5 Wharf was replaced with a concrete-pile-supported deck. Unfortunately, as a result of a 2010 facilities inspection program, it had been determined that the F-5 structure had suffered significant deterioration from chloride damage to its concrete columns. Additional defects to the structure included concrete delamination, spalls, cracks and surface cracks on the decks. The Marine Service Life Extension (MSLE) project will address the repair of these deficiencies and insure that F-5 is a structurally sound wharf.



#### Scope of Work:

- Survey of existing structure
- Demolition, removal, and disposal of existing steel concrete
- Repair of structures and components
- Application of a concrete barrier coating system to under-deck structures

**Funding Source:** PAG

**Project Cost:** \$4.5 million, contract with BME & Sons

#### Current Status:

- Pending PUC Review

# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Implementation & Integration Services for TOS

#### Objective:

■ The PAG is in the process of transitioning its terminal operating procedures from a manual to an automated system to manage operations at its Public Cargo Terminal (PCT). This will bring PAG operations with the implementation of a Terminal Systems network (TSN) in line with Industry Best Practices and modern container terminal operations.



This objective will be carried out in parallel with the PAG's Terminal Operating System (TOS) implementation effort. It is envisioned that the TSN will allow operational interoperability between the PAG and its external stakeholders.

**Funding Source:** PAG

**Current Status:** Cost negotiations on-going

# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Gregorio D. Perez Marina (Hagatna) – Phase II Renovation & Site Improvements



#### **Objective:**

■ Renovate and develop the existing GDP Marina by installing sister piles in front of the existing steel piles and replacement of concrete bulk heads

**Funding Source:** DOI OIA

**Contractor:** Black Construction Corporation & N.C. Macario Associates, Inc.

**Project Cost:** \$2,000,515.05

**Project Completed:** October 18, 2013

# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Agat Small Boat Marina – Dock-A Improvements

Dock A



#### Objective:

Replacement of existing unsafe wooden finger slips structures on Dock "A" of the marina facility

**Funding Source:** NOAA/Western Pacific Fisheries Council & PAG

**Contractor:** Rex International

**Project Cost:** \$532K

**Completion Date:** June 13, 2014



# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Agat Small Boat Marina – Dock-A Improvements



# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Agat Small Boat Marina - Dock C & D Floating Dock Improvements



#### **Objective:**

- Replacement of floating docks on Dock C & D

**Contractor:** AIC International, Inc.

**Funding Source:** DOI OIA & PAG

**Project Cost:** \$1,593,208.00

**Current Status:** Pending PUC review & approval

# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

**PAG will continue to seek alternative funding source to continue site improvements for the Marinas & Harbor of Refuge**



### ■ Proposed Projects for Gregorio D. Perez Marina

- a) Phase III Renovation & Site Improvements of existing steel piles and replacement of concrete bulk heads
- b) Installation of oil water separator at the wash down area
- c) Lighting upgrades
- d) Asphalt paving on back lands
- e) CCTV

### ■ Proposed Projects for Agat Marina

- a) Replacement of Docks B
- b) Loading Dock Structural Repair & Assessment
- c) Installation of Pump out System & Replacement of Shelter
- d) CCTV
- e) Repair of Fuel Dock Area

### ■ Harbor of Refuge

- a) A/E Design including Environmental studies
  - b) Moorage / anchorage repairs
- Funding Sources:** USFWS/Dept of Ag/DAWR/PAG
- Current Status:** Pending AG & Governor Approval of MOU

# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### PAG CIP Facility Upgrade

High Tower



Lower Tower



#### **Objective:**

- On January 29, 2010, Guam Public Utilities Commission approved Port Docket 09-02, interim tariff rates request. One component of the approval was to implement a Facility Maintenance Fee (FMF) to provide funding for the maintenance, replacements, and repair of the Port facilities.
- The following projects have been approved by the Port Board for renovation and repair by the Port Operations Division and as follows:

1. High Tower Building Facility
2. Lower Tower
3. Container Yard Striping

■ Total Amount of \$325K

**Current Status:** Bid evaluations on going

**Funding Source:** PAG Facility Maintenance Fee

# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Port Security Grant Enhancement FY2011

LC-1



LC-3



LC-4



#### Objective:

- To purchase 1 ea. 750 KW generator and 2 ea. 500 KW generators for Load Centers 1 and 4
- To acquire 1 ea. Mobile Container/Vehicle Screening System for the Guam Customs Agency

**Funding Source:** 2011 USDHS/FEMA Port Security Grant Program

**Funding Amount:** \$2,392,941.00

#### Current Status:

- Local GSA is procuring both generators and Mobile Container/Vehicle Screening System from FED GSA

# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Port Master Plan Projects 2013 – 2020

Project Description	Funding Authority
Upgraded Financial Management System	PAG
PAG Service Life Extension of F3-F6	PAG
Terminal Operating System	PAG
Gate Operating System	PAG
Container Yard Storm Drain Channel Repairs	PAG
Inbound/Outbound OCR Portals and Canopies	PAG

# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Port Master Plan Projects Sustainability Projects (ongoing)

Slide 20

Project Description	Cost
Compressors for Administration Building A/C System	PAG
Various Air Conditioning Units and Parts/Supplies	PAG
Warehouse# 1, CMU and Column Repairs	PAG
Architectural/Engineering Services – IDIQ	PAG
Agat Marina Dock C & D Repairs	DOI
Electrical Work for Additional 56 Reefer Outlets/Reefer Lights Installation	PAG

# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Port Master Plan Projects

### Sustainability Projects (6-20 years)

Project Description	Funding Authority
Port Police Security Upgrade	PAG
Renovations to Harbor Refuge	USWFS/PAG
Purchase 2 Cranes	PAG
Purchase 2 Cranes	PAG
Purchase Replacement and Additional Yard Equipment	PAG

# PORT *MODERNIZATION* at a GLANCE

## PROJECT UPDATES

July 2014

### Port Master Plan Projects To be scheduled

Project Description	Funding Authority
Revitalization of Hotel Wharf And Access Road	US DOT *
Replacement of Administration Building	PAG
Upgrade of Power system for IT Office	PAG
Marinas Sewage Pump Station Upgrade	DOI USFWS
Warehouse 1 Renovation	PAG
Progressive Utilities Replacement for Terminal Yard	PAG
PAG Soil Stabilization of F4/F6	PAG

**Note: TIGER application submitted; Pending notification\***

# PORT *MODERNIZATION* at a GLANCE

PROJECT UPDATES

July 2014

**Thank you!**  
**Si Yu'us Ma'ase**

*America's gateway to Asia*



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