

CRANEY ISLAND EASTWARD EXPANSION

Craney Island: A Growth Opportunity for Portsmouth

Craney Island Study Commission

March 22, 2012

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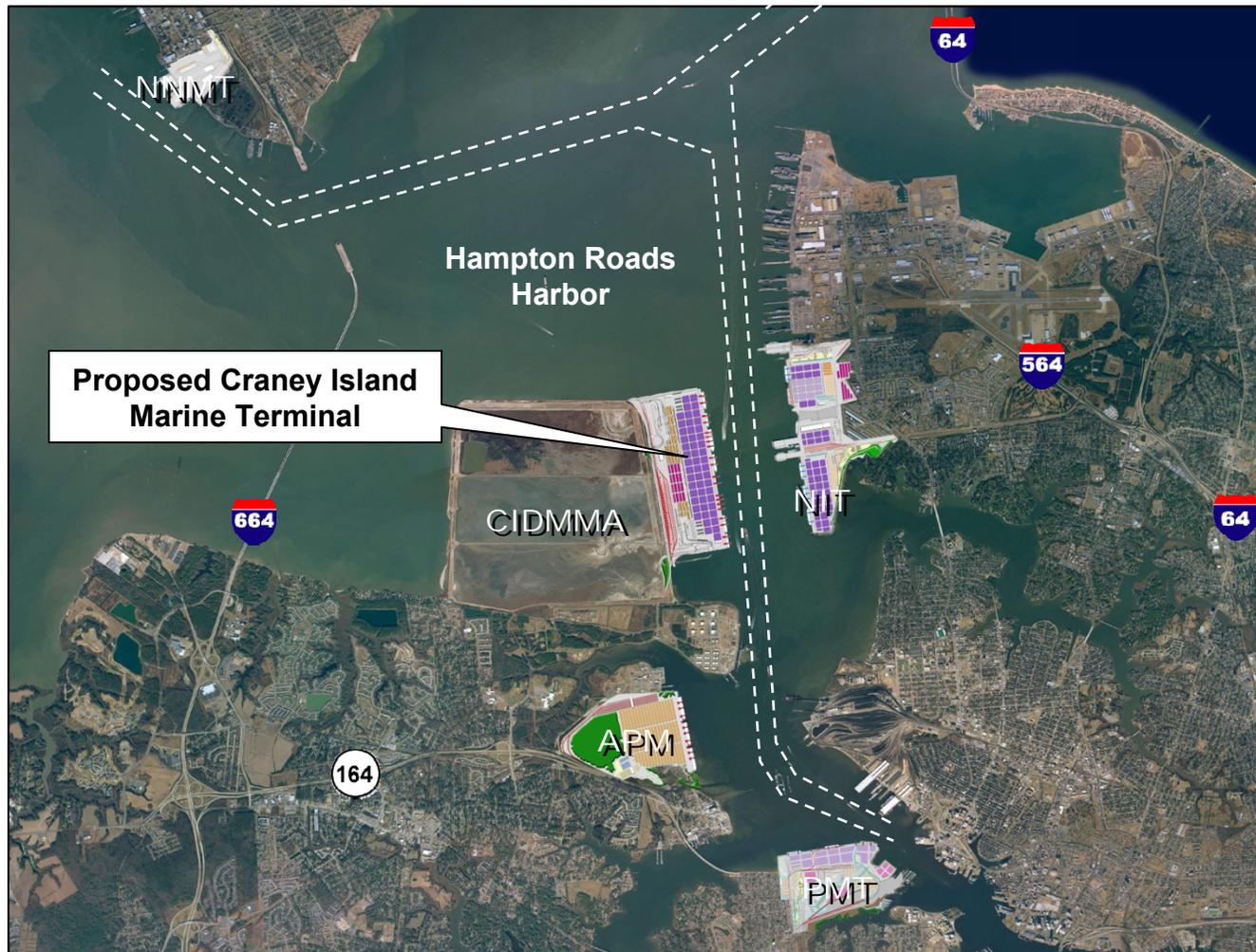
Craney Island Design Partners



Project Overview



Craney Island Eastward Expansion and Marine Terminal



Craney Island Eastward Expansion and Marine Terminal

- **Partnership between VPA and USACE**
- **Extends life of Craney Island as a dredged material management area**
 - **CIDMMA will reach capacity in 2025**
- **Provides land for construction of a new marine terminal**
 - **Global cargo volumes are increasing**
 - **VPA terminals will reach capacity**



Project Status

- **Dike construction began in 2010**
- **Stage 2A of dike construction in progress**
- **Land visible within two years**



Wick drains in south and division cross dikes

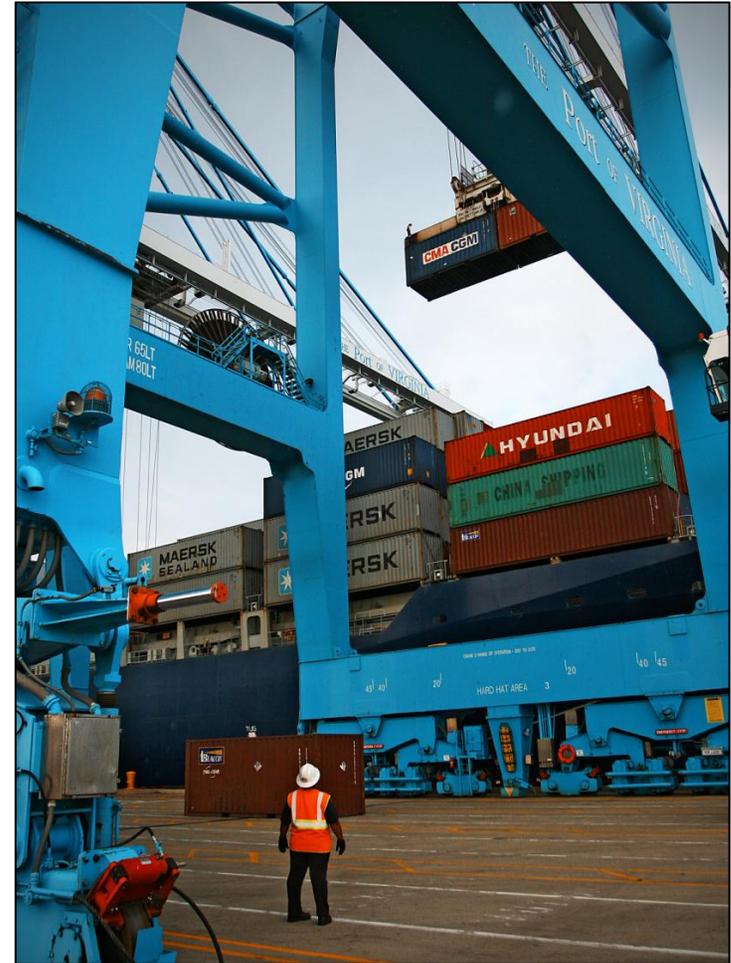
Project Schedule

	Project Phase	Time Frame
Eastward Expansion	Engineering & Design	2007 – 2010
	Dike Construction	2010 – 2022
Marine Terminal Construction	Filling	2014 – 2035
	Phase I	2022 – 2026
	Phases II, III, IV	2028 – 2038

Long-Term Project Benefits

Economic Benefits*

- **54,000+ direct, indirect, and induced jobs**
 - Terminal design and construction
 - Terminal and transportation operations
 - Logistics and distribution center operations
- **\$1.7 billion in annual wages**
- **\$155 million in annual state and local tax revenue**



Economic Benefits

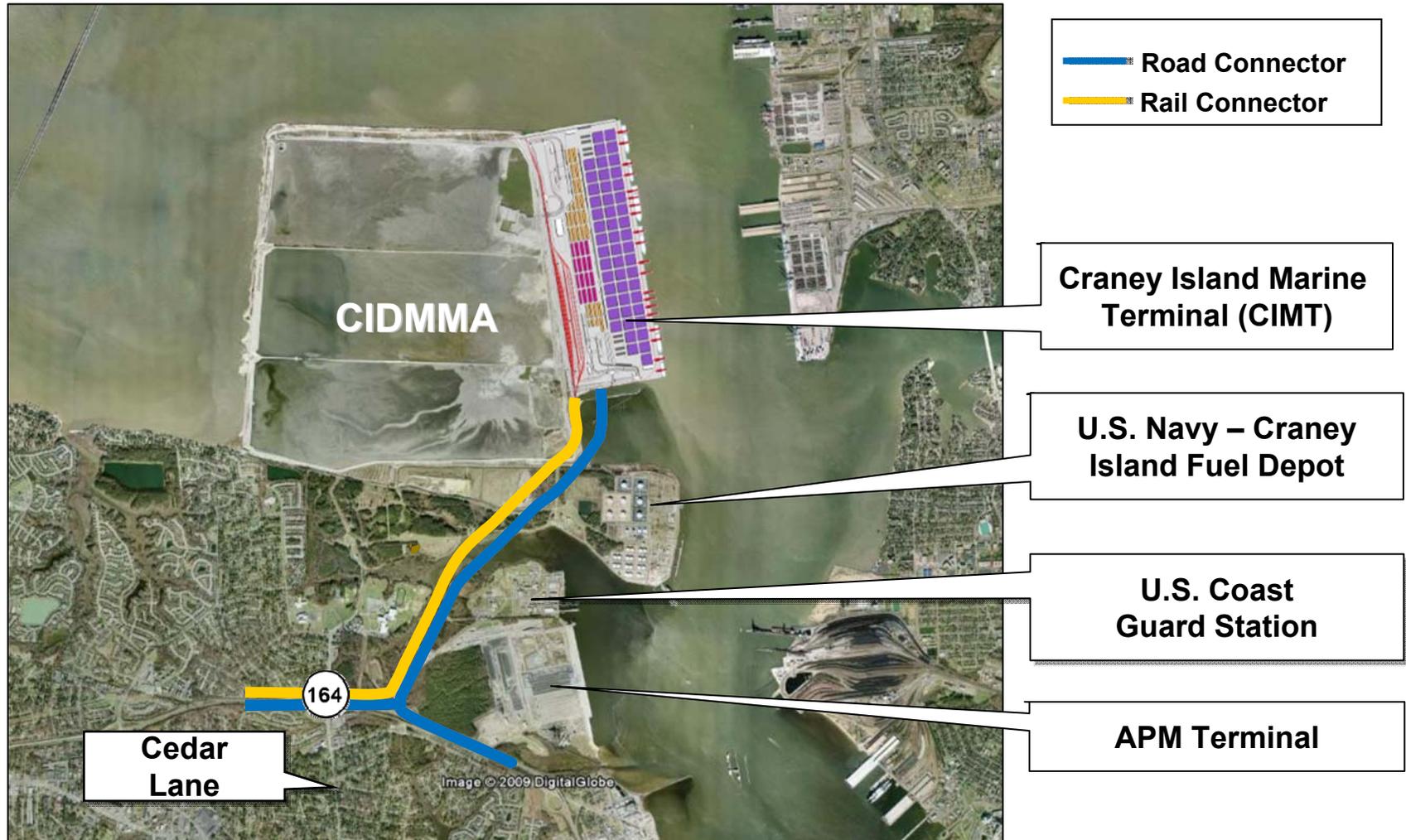
- **5 million TEU capacity**
- **≈ 446 employees**
 - **285 ILA; 161 terminal operations & admin**



Craney Island Road & Rail Connector

- **Terminal design: 50% by truck; 50% by rail**
 - **Phase 1 \approx 1,500 trucks daily**
 - **Full build-out \approx 5,700 daily trucks; 18 trains**
- **Connects terminal to Route 164**
- **Construction will not impact neighborhood roads**

Craney Island Road & Rail Connector



Growth Opportunities



Economic Development

- **Capitalize on long-term growth and business opportunities**
 - **Ports attract businesses and industries operating “outside the gate”**



- **Portsmouth can thrive by creating favorable environment for terminal support business**

Economic Development

- **Port support industry is large and diverse**
 - **Material suppliers**
 - **Equipment maintenance**
 - **Ship lines**
 - **Trucking companies**
 - **Maritime insurance**
 - **Maritime law**
 - **Engineering firms**
 - **Customs brokers**
 - **Freight forwarders**
 - **Purchasing agents**
 - **Supply chain management firms**
 - **Amenity businesses (restaurants, stores, employee support)**

Craney Island Mitigation Plan

- **Cleans three mile stretch of Southern Branch**
 - **67 acres sediment remediation**
 - **56 acres wetland creation**
 - **11 at Paradise Creek (in progress)**
 - **15 acres oyster reef creation**
 - **To begin this summer**
 - **4 acres shoreline restoration**
- **Mitigates for future impacts of CIEE/CIMT**



Ragged Island



8 acres of coastal habitat that will include four acres of marsh and four acres of wetland and shallow water habitat

Hoffer Creek



1 acre of oyster ground is to be constructed within the Hoffer Creek Wildlife Preserve, which is located adjacent to Hoffer Creek, a tributary to the James River.

**Lafayette River
Oyster Reef Creation**

Scuffletown Creek



Sediment remediation will be conducted at Scuffletown Creek in the Elizabeth River watershed. The U.S. Army Corps of Engineers, Norfolk District has completed the sampling and design phases for this site.

**Jones & Gilligan
Creek**

This site abutting Jones and Gilligan Creeks exhibits favorable conditions for wetlands creation. There is potential for approximately 21 acres of tidal mitigation. Oyster reefs will be created at Gilligan Creek.

Paradise Creek Park

The Elizabeth River Project is overseeing this site's development. 11 acres of tidal wetlands creation will be constructed at this site.

Republic



The 52-acre site is considered a primary site for sediment remediation.

**Western Branch
Oyster Reef Creation**

**Gilmerton Bridge
Oyster Reef Creation**

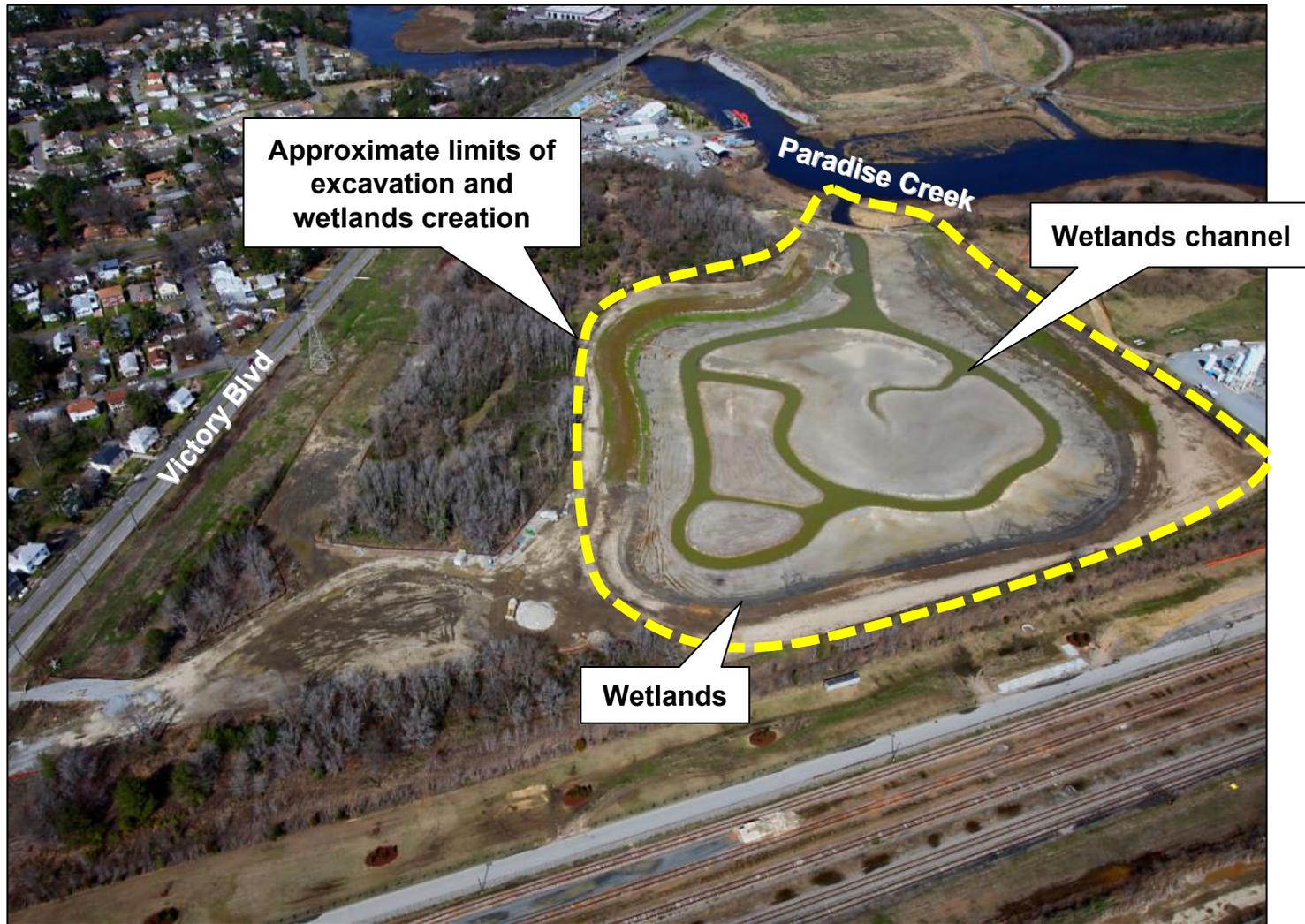
Deep Creek

These sites abut Deep Creek, approximately 1 mile from the mainstem of the Southern Branch. Approximately 10 acres of marsh are proposed for this site.

Money Point North

The Living River Restoration Trust has completed a conceptual remediation plan for this site. The Craney Island Mitigation Plan will clean about 10 acres at this site.

Paradise Creek Mitigation Status



Paradise Creek Mitigation

- **11 acres of wetlands planted**
- **Part of the future Paradise Creek Nature Park**



Summary

- **Craney Island Marine Terminal effects**
 - **Economic**
 - **Jobs**
 - **Annual wages**
 - **Tax revenue**
 - **Support industries locating in Portsmouth**
 - **Traffic**
 - **Impacts mitigated by CIRRC**
 - **Environmental**
 - **Portsmouth benefits from mitigation projects**

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Thank You

