

## Large Project Awards

### **Oakland, California**

#### **Powering the Future Project (awarded \$5,200,000)**

The project replaces an existing electrical substation and circuit located within the port facility. Additionally, the project will construct a new on-site fuel cell facility and a solar array with battery storage and establish a direct connection between the port's substation and the local electric utility's biomass-fuel generator.

### **Long Beach, California**

#### **America's Green Gateway Phase 1: Pier B Early Rail Enhancements Project (awarded \$52,300,000)**

The project consists of three stand-alone components, each with independent utility. These components are a new locomotive facility, extension of the east rail yard, and extension of the west rail yard. The project will add a 10,000-foot support track within a critical freight corridor, construct a new support facility for 24 locomotives, add three new yard tracks, and extend five existing tracks to increase operational efficiency for port cargo and enhance safety for rail workers.

### **Garden City, Georgia**

#### **Colonel's Island Berth #4 (awarded \$14,647,284)**

The project will construct a fourth roll-on/roll-off (Ro-Ro) vessel berth at the Port of Brunswick's Colonel's Island Terminal in order to add needed capacity at the nation's second busiest Ro-Ro cargo port and more efficiently accommodate the larger 7,000-plus-unit vehicle carrier vessels that are becoming the industry standard for Ro-Ro ships.

### **Albany, New York**

#### **Offshore Wind Tower Manufacturing Port Project (awarded (\$29,500,00)**

The project will construct the necessary infrastructure to develop 81 acres of a vacant industrial area along the Hudson River immediately south of the existing Port District into an offshore wind tower manufacturing port. The project will also redevelop an additional 14.5 vacant acres inside the Port of Albany. The project scope encompasses the necessary infrastructure design and construction to develop the Offshore Wind Tower Manufacturing Port. This includes an access bridge and connector roadway, all internal roads, all utility site work and infrastructure, upland preparation, berth dredging, and 500 linear feet of 6,000 lb/sf heavy capacity wharf construction.

### **New York, New York**

#### **South Brooklyn Marine Terminal (SBMT) 35th Street Pier Expansion Project (awarded \$24,970,500)**

The project will add a barge berth and an additional crane pad on the western end of the 35th Street Pier. The wharf will be designed to accommodate 400-foot long barges.

### **San Juan, Puerto Rico**

#### **Pier 15 Rehabilitation and Enhancement (awarded \$10,000,000)**

The project will fund reconstruction of the Tender Pier and Dock B in the Pier 15 area in the Port

of San Juan. It will also fund design and construction of an Outfitting Pier to enhance Ro-Ro operations at Pier 15. The reconstruction activity addresses infrastructure damage caused by Hurricanes Irma and Maria. The Pier 15 area supports vessels that transport cargo between Puerto Rico and the Dominican Republic, islands in the Lesser Antilles, and ports along the east coast of the United States.

### **Houston, Texas**

#### **Bayport Container Terminal Expansion (awarded \$18,267,600)**

The project will fund development of Container Yard 1 South, a 39-acre greenspace at the port's Bayport Container Terminal. Work funded consists of site preparation, grading, drainage, utilities, concrete surfaces suitable for the storage of containers, signage, electrical, lighting, and communications. Completion of this project will complement other port-funded improvements at the terminal.

### **Portsmouth, Virginia**

#### **Portsmouth Marine Terminal Offshore Wind Development (awarded \$20,000,000)**

The project will fund improvements to the Portsmouth Marine Terminal to enable it to serve as a staging area in support of offshore wind projects. The grant will fund creation of a wind turbine generator staging area in the uplands adjacent to one of the wharves and a second storage area where monopiles and other project components will be stored. The staging and storage areas require installation of piles to increase the load-bearing capacity of the site, new pavement to support the heavy components that will be imported thru the facility, stormwater and drainage infrastructure improvements, and site utility work.

### **Tacoma, Washington**

#### **Off-Dock Container Support Facility (awarded \$15,730,000)**

The project will fund construction of an Off-Dock Container Support Facility. The project is part of the port's capital improvement program to modernize and optimize the use of its container terminals and support facilities. The project improves 24.5 acres of land adjacent to the Husky, West Sitcum, and Washington United terminals. The site will provide space to store empty containers and chassis, freeing up dock-side space at the terminals for cargo operations. Work includes new gates, a guard shelter, perimeter security fencing, energy-efficient lighting fixtures, stormwater system improvements, and refurbishment of a railroad crossing adjacent to the site.

### **Superior, Wisconsin**

#### **Infrastructure Improvements Project (awarded \$8,368,000)**

The project will fund repairs to an unutilized facility in the Port of Superior. The project will fund construction of a new sheet pile retaining wall, placement of tremie concrete behind the new wall to create a load-bearing surface, and installation of a concrete cap atop the new wall. Improvements also include rail and road work, a stormwater management system, utilities, a shop and office building, and dredging.

## Small Projects at Small Port Awards

### **Whittier, Alaska**

#### **Whittier Terminal Master Plan (awarded \$1,173,600)**

This project is for the development of a comprehensive master plan that evaluates the condition, performance, safety, efficiency, state of good repair, reliability, resiliency, and sustainability of the Whittier Terminal. The plan will identify areas for rehabilitation of marine, terminal, and upland infrastructure, as well as operations that support the terminal.

### **Little Rock, Arkansas**

#### **Port of Little Rock Mooring Upgrade Project (awarded \$3,079,845)**

The project will restore and expand the port's current barge fleeting capacity on the Arkansas River, which is part of the McClellan-Kerr Arkansas River Navigational System (MKARNS). The project will replace fifteen unsafe deadman ground anchors that are near the end of their useful lives with steel monopile dolphins. It will install an additional thirty-two dolphins in other locations.

### **Granite City, Illinois**

#### **Granite City Harbor Extension Project (awarded \$4,140,000)**

The project will fund improvements to a berth and cargo transfer location at the port's Granite City Harbor facility. It extends the length of the harbor's wharf by nearly 30% and creates a half-acre of additional working space to support cargo dock operations. The wharf extension will create a contiguous 1,200-foot-long wharf capable of handling six barges at once. Removable safety rails will be installed adjacent to the wharf. Construction includes the installation of a sheet pile wall with drainage improvements and addition of gravel-topped backfill for a new, permeable work surface. The project is the first phase of the port's Wharf Improvement Plan.

### **Tell City, Indiana**

#### **Ohio River Pier Project (awarded \$1,600,000)**

The project will fund construction of a 40-foot diameter pier for a crane that will be used for direct barge-to-truck unloading of cargo. The pier design will allow the crane to operate regardless of water levels. Once the new pier is complete and operational, grant funds will be used to demolish the existing pier because it is structurally unsound. The project complements other capital development projects at the port, including a road project that will provide trucks carrying cargo from the port direct access to a nearby state highway.

### **Paducah, Kentucky**

#### **Bulk Yard Infrastructure Revitalization and Expansion Project (awarded \$3,320,000)**

The project funds several related infrastructure improvements at the port. The improvements modernize the port's material handling equipment, repair damaged facilities, and upgrade site conditions in the port's Bulk Yard. Specific work includes: adding a concrete surface to the existing laydown area to create a 30,000-square-foot pad; replacing three cable mast radial stackers; replacing a 90-foot conveyor and reclaim hopper; utility work associated with equipment installations; rebuilding the roofs on two storage domes; replacing a truck scale;

procuring three ground conveyors; purchasing four generators; and, purchasing and installing a canopy that will enable the port to handle weather-sensitive cargoes.

### **Delcambre, Louisiana**

#### **Port Resiliency Improvements (awarded \$2,000,000)**

This project includes a dock restoration project and investments required to establish an industrial fabrication facility at the port. Project components include dock refurbishment, debris removal, port slip improvements, and the construction of several new small buildings.

### **Salem, Massachusetts**

#### **Salem Port Infrastructure Improvements (awarded \$2,403,000)**

This project includes improvements and enhancements to the Deep-Water Berth at the Port of Salem. Specific components include the construction of two mooring devices, a new catwalk, and improvements to the passenger access pathway, including revetment repair, utility upgrades, and pavement improvements.

### **Alpena, Michigan**

#### **Improving Vessel Access for Sustained Viability (awarded \$3,751,623)**

The City of Alpena is partnering with Lafarge Alpena to upgrade and modernize Lafarge Alpena's port and landside shipping facilities to meet the increasing demand for the plant's construction products. Project improvements include berth dredging to increase the water depths within the port basin to satisfy larger vessels, stone dock demolition to increase the overall area for vessels to access the site, new mooring dolphins, the addition of a roof for a storage building, demolition of a storage building, and maritime security upgrades.

### **Marquette, Michigan**

#### **Protecting Critical Infrastructure and Improving Efficiency (awarded \$1,617,750)**

The project will improve critical port infrastructure, dredge encroaching sediment to protect port infrastructure, and deposit dredge materials on shore to enhance coastal restoration and protect road infrastructure at the Port of Marquette.

### **Saint Paul, Minnesota**

#### **Barge Terminal 2 Dock Wall Rehabilitation (awarded \$4,140,000)**

The project funds replacement of the dock wall at the port's Barge Terminal 2 (BT2). The dock wall at BT2 is 1,316 feet long and was originally constructed in 1964. Engineers hired by the port have completed several inspections of the dock wall and documented numerous structural deficiencies, including perforations in the existing steel sheet pile wall, a failing tie-back system, and sinkholes behind the dock wall. The project will install a new steel sheet pile wall directly in front of the existing dock wall and a new tie-back system. Improvements will also include filling the voids created by the holes in the existing wall.

### **Aberdeen, Mississippi**

#### **Aberdeen Port Rail Spur Connector (awarded \$4,000,000)**

The project funds construction of 12,200 linear feet of new rail spur in Aberdeen, Mississippi. The proposed spur would provide direct access between the port along the Tennessee-Tombigbee

Waterway and the Kansas City Southern Railroad. Construction includes sitework, utilities, and stormwater management and construction materials will include rail, ballast, ties, and turnouts.

### **Bay St. Louis, Mississippi**

#### **Port Bienville Rail Storage Yard (awarded \$4,140,000)**

This project will construct a new rail storage yard to support the existing operations at the port facility. The project would add 130 additional storage spaces, construct two sets of storage tracks, and a new rail siding. These additional spaces are expected to increase the Hancock County Port and Harbor Commission's storage capacity by 25 percent so that it can safely manage the current storage operations and address the current unmet storage demand.

### **Morehead City, North Carolina**

#### **Radio Island Rail Improvements Project (awarded \$1,679,904)**

This project includes rail improvements within a port facility to replace existing tracks with rail infrastructure that meets FRA Class 1 track safety standards. Specific components of the project include replacing existing ballast and ties, replacing existing turnouts and switches, and replacing crossing surface treatments.

### **Cleveland, Ohio**

#### **Port of Cleveland Comprehensive Planning Study Project (awarded \$3,000,000)**

The project will conduct a harbor-wide and regional planning study for the Cleveland-Cuyahoga County Port Authority to address its comprehensive cargo handling, environmental, and economic development needs, in addition to regional-level planning goals. The planning study will include six components: 1) a market analysis, 2) a terminal capacity analysis, 3) an intermodal connection assessment, 4) a plan for port de-carbonization, 5) a coastal resilience plan, and 6) a regional-level cargo capability study.

### **Ilwaco, Washington**

#### **East Bulkhead Resilience Project (awarded \$2,444,138)**

The project includes reconstruction and rebuilding of a decades-old wooden bulkhead and related utilities to support transportation operations at the Port of Ilwaco. Work includes acquisition and installation of sheet piling, jet grouting to stabilize and strengthen the ground behind the new bulkhead, and site utility work.