



PORT HOUSTON
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UPCOMING DESIGN & CONSTRUCTION PROJECTS

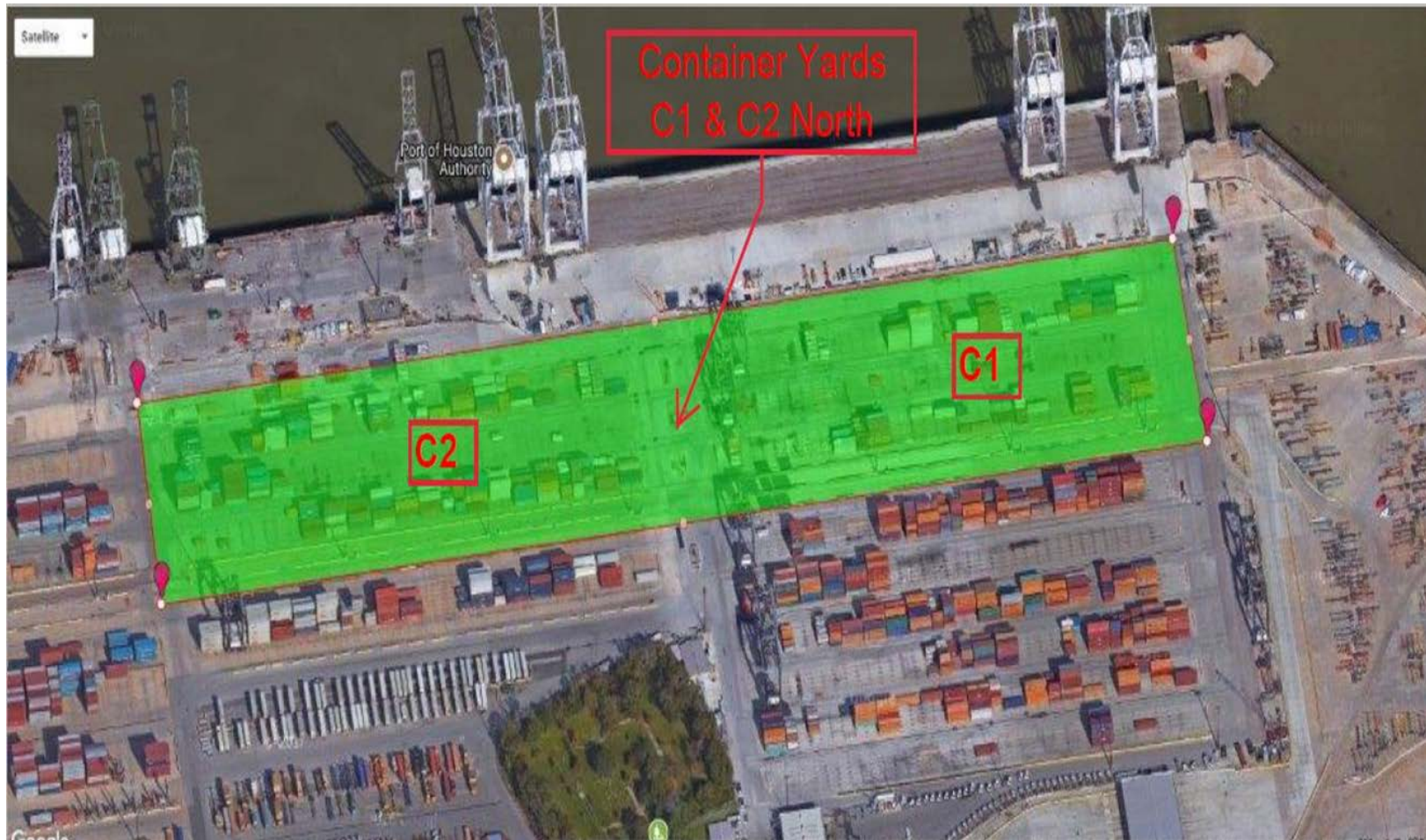
1st Quarter 2018

(Project & Construction Management)



DESIGN PHASE PROJECTS

Barbours Cut - Rehabilitation of Additional Container Storage Area



The scope of work includes the design and construction of approximately 20 acres of concrete pavement (standard 18" concrete) for storage of containers as well as traffic lanes to maintain circulation into and around storage areas.

Design/Construction Time Frame	NIGP Codes		Small Business Opportunities	PHA Contact
2nd Qtr. 2018 – 2nd Qtr. 2019	Consultants 92533 96258	Contractors 91360 91327 90976	<ul style="list-style-type: none">• Demolition• Concrete• Grading• Excavation	Barbara H. Smith 713-670-2483 bhsmith@poha.com

Turning Basin - Rehabilitation and Repair of Wharf 9



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Structural concrete repair, fender replacement, and geotechnical rehabilitation.

Design Time Frame	NIGP Codes		Small Business Opportunities	PHA Contact
2nd Qtr. 2018 - 4th Qtr. 2018	Consultants 96258 92533	Contractors 91484 91223 91438 90976 91430	<ul style="list-style-type: none">• Structural Concrete Repair• Fender Replacement• Pile Driving• Steel Rebar• Concrete forming• Striping• Photography	Eddy Kharrazi 713-670-2544 ekharrazi@poha.com

Manchester - Rehabilitation and Repair of Wharf 2



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Structural concrete repair, fender replacement, pile replacement, and geotechnical rehabilitation.

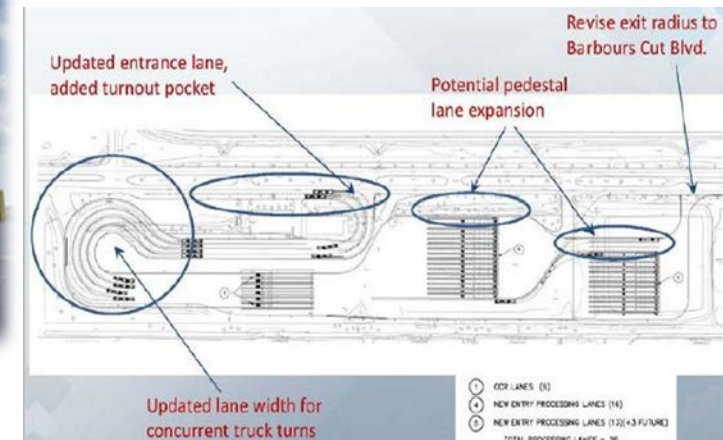
Design Time Frame	NIGP Codes		Small Business Opportunities	PHA Contact
2nd Qtr. 2018 - 3rd Qtr. 2018	Consultants 96258 92533	Contractors 91484 91223 91438 90976 91430	<ul style="list-style-type: none"> • Structural Concrete Repair • Fender Replacement • Pile Driving • Steel Rebar • Concrete forming • Striping • Photography 	Eddy Kharrazi 713-670-2544 ekharrazi@poha.com

CONSTRUCTION PHASE PROJECTS

Barbours Cut – Truck Processing Entry Gate Expansion



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This design objective is to increase the gate capacity to handle anticipated future growth at this terminal.

Construction Time Frame	NIGP Codes		Small Business Opportunities	PHA Contact
4th Qtr. 2018	90976	91438	<ul style="list-style-type: none"> Site Preparation Demolition Earthwork 	Alvin Jackson 713-670-2895 ajackson@poha.com
	91316	28500		
	91430	91461		

Rail Spur at Bayport Terminal



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Construction of approximately 6500 track feet of rail at the Bayport Terminal. This rail will cross State Highway (SH) 146 and connect the existing rail from Strang Rail line to within 900 feet of the Container Freight Station (CFS) Road in the Bayport Intermodal Facility. This project will also include clearing, grubbing, drainage, rail crossings, signalization, and perhaps a sound wall, if required.

Construction Time Frame	NIGP Codes	Small Business Opportunities	PHA Contact
3rd Qtr. 2018 – 3rd Qtr. 2019	91223 90976 96148	<ul style="list-style-type: none"> • Clearing Brush • Storm Water Controls • Flagman • Traffic Controls • Surveying • Photography • Material Testing • Rail Roads 	Brenda Trevino 713-670-2470 btrevino@poha.com

Bayport West Empty Container Yard Security



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Provide security CTV cameras, conduits, manholes and network connections.

Construction Time Frame	NIGP Codes	Small Business Opportunities	PHA Contact
3rd Qtr. 2018	91316 99000 28500 91438	<ul style="list-style-type: none">• Security• Conduit• Photography• Electrical	Alvin Jackson 713-670-2895 ajackson@poha.com

Bayport - Construct Container Yard 7



Construction of approximately 47 acres of reinforced and roller compacted 18-inch concrete pavement, including the construction of a storm water collection system, water and sanitary sewer mains, high mast lighting and telecommunication conduit.

Construction Time Frame	NIGP Codes	Small Business Opportunities	PHA Contact
2nd. Qtr. 2018 – 4th Qtr. 2019	91316 99000 28500 91438	<ul style="list-style-type: none">• Concrete• Grading• Storm Drainage Structures• Electrical Work	Barbara H. Smith 713-670-2483 bhsmith@poha.com

Bayport - Container Yard 7 Security



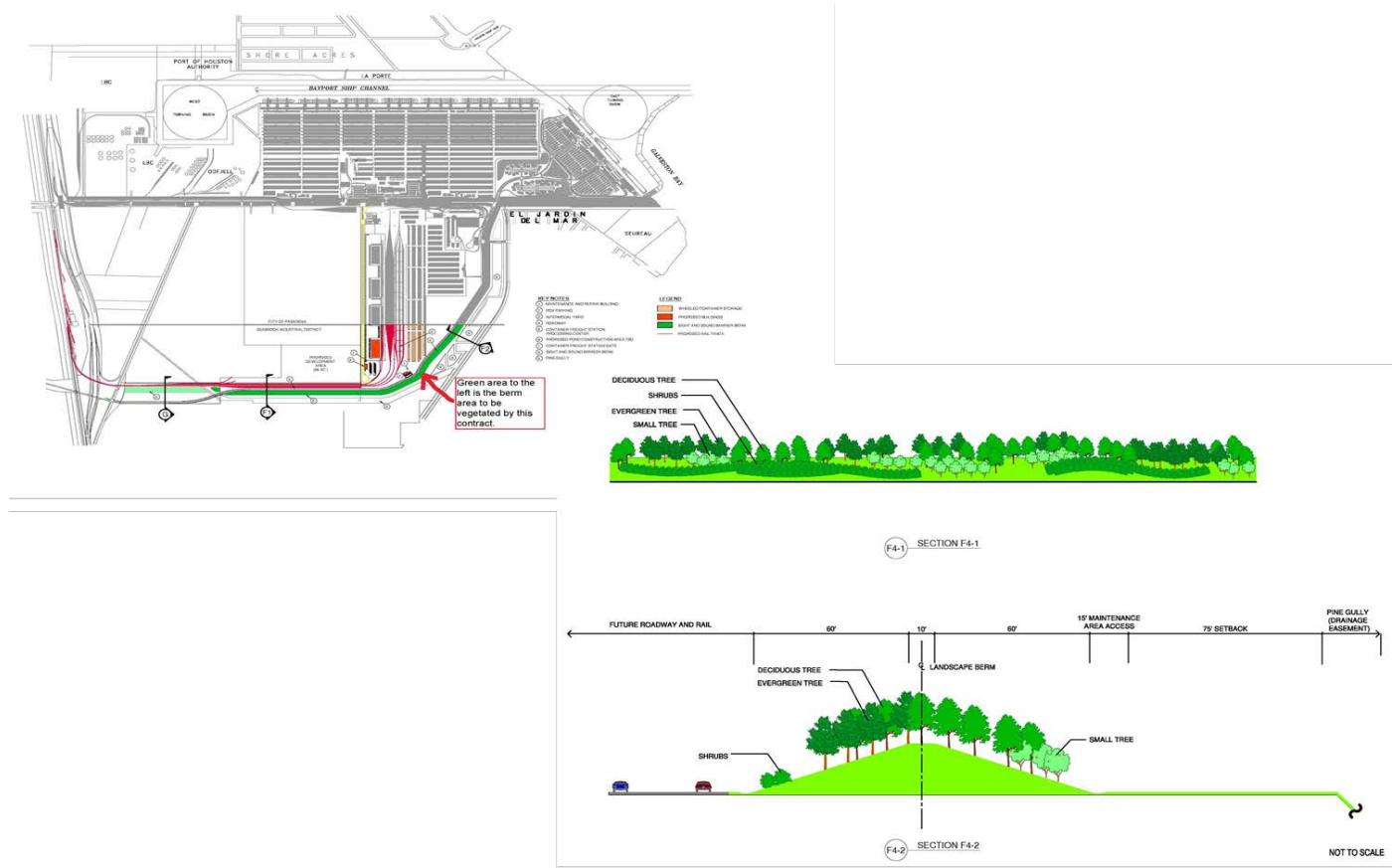
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Provide security CTV cameras, conduits, manholes and network connections.

Construction Time Frame	NIGP Codes	Small Business Opportunities	PHA Contact
2nd. Qtr. 2019 – 4th Qtr. 2019	91316 99000 28500 91438	<ul style="list-style-type: none">• Security• Conduit• Photography• Electrical	Alvin Jackson 713-670-2895 ajackson@poha.com

Bayport – Vegetate the Bayport Container Terminal South Berm



The project shall include the following activities: A) soil preparation and planting approximately 10,000 plants (trees, shrubs and herbs) over a 21 acre surface B) install a temporary irrigation system, and C) project maintenance as necessary to ensure 80% plant survival.

Construction Time Frame	NIGP Codes	Small Business Opportunities	PHA Contact
2nd Qtr. 2018 - 4th Qtr. 2018	96103 92597 91223	<ul style="list-style-type: none">• Photography• Trucking• Filter Fabric Fence	Brenda Trevino 713-670-2470 btrevino@poha.com

Barbours Cut - Wharf 3 Structural Pre-Outage Tie-downs for Cranes #3 and #4



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Typical Tie Down
Retracted



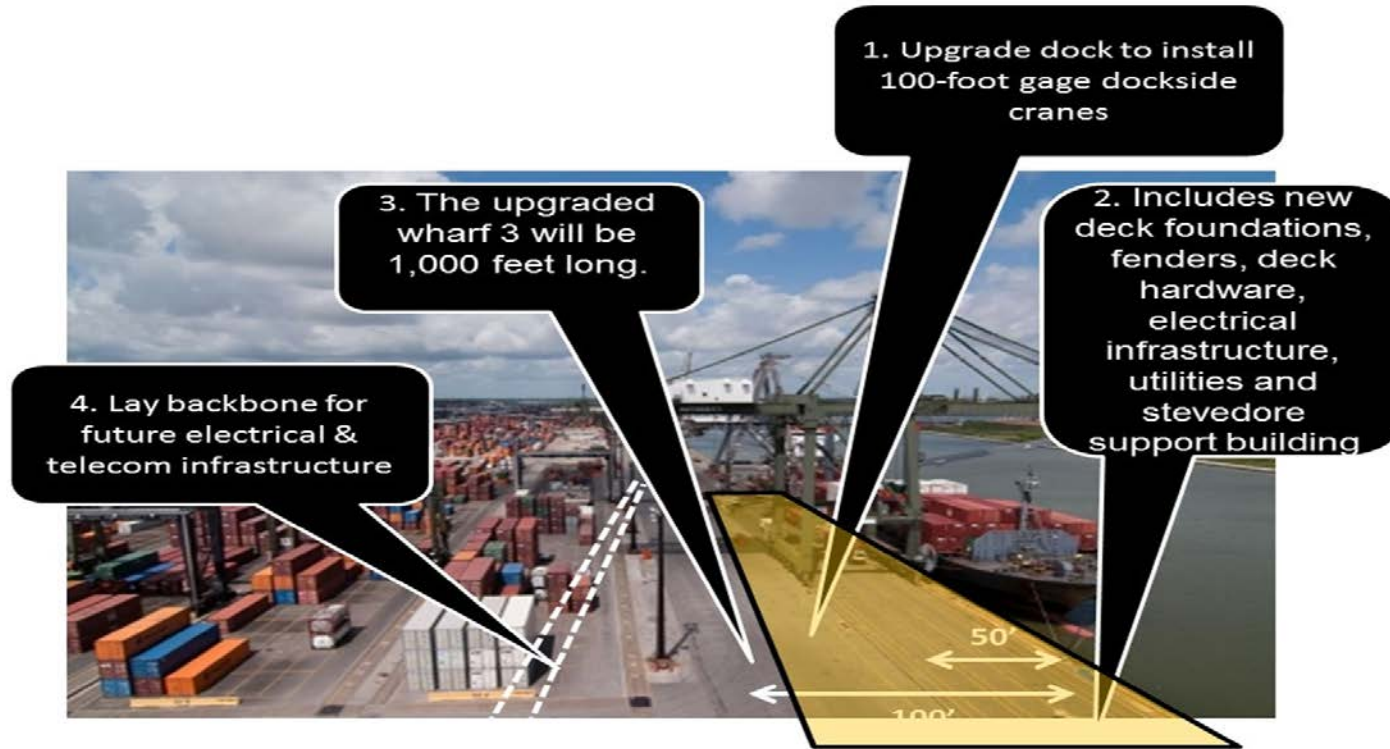
Typical Tie Down
Extended



This project consists of the installation of tie-downs at wharves 4 and 5 for cranes #3 and #4 at Barbours Cut.

Construction Time Frame	NIGP Codes	Small Business Opportunities	PHA Contact
2nd Qtr. 2018	91313 91361	<ul style="list-style-type: none">Steel RebarConcrete formingStriping	Bill Aguirre 713-670-2484 baguirre@poha.com

Barbours Cut - Rehabilitation of Wharf 3



The wharf will be upgraded in order to support 100 feet gauge dock cranes and to accommodate larger ships. This project consists of the upgrade of 1000 feet of wharf, a new stevedore support building, structural elements, high mast pole lighting, and electrical infrastructure required to power three new dock cranes.

Construction Time Frame	NIGP Codes	Small Business Opportunities	PHA Contact
3rd Qtr. 2018 - 4th Qtr. 2019	90976 91430 91438 91479 90976 91223 91485 90924	<ul style="list-style-type: none"> Material Testing Surveying Storm Water Controls Photography Chain Link Fence Security Electrical Signs and Paint Striping 	Bill Aguirre 713-670-2484 baguirre@poha.com

Barbours Cut - Lash Dock Demolition



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The project consists of the demolition of the Lash Dock located at the East End of Barbours Cut Terminal. The work includes the removal of all concrete structures such as decks and piles and dredging.

Construction Time Frame	NIGP Codes	Small Business Opportunities	PHA Contact
2nd Qtr. 2018 - 3rd Qtr. 2018	90976 91223 91240 91244	<ul style="list-style-type: none">• Photography• Demolition of Structures• Concrete Traffic Barriers• Barge Services	Bill Aguirre 713-670-2484 baguirre@poha.com

Install Fender System at Wharf Nos. 1 & 2 at CARE Terminal



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Jacintoport & CARE



Aerial flown Jan. 2016

Project will remove the existing fenders and install new fenders at Wharf 1 & 2 at the CARE Terminal.

Construction Time Frame	NIGP Codes	Small Business Opportunities	PHA Contact
4th Qtr. 2018 - 1st Qtr. 2019	91484 91223 91438	<ul style="list-style-type: none">Fender ReplacementPile Diving	Alvin Jackson 713-670-2895 ajackson@poha.com

Rehabilitation of Transit Shed Floor at Wharf No. 46 at Turning Basin Terminal



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Repair of top floor slab of the transit shed.

Construction Time Frame	NIGP Codes	Small Business Opportunities	PHA Contact
2nd Qtr. 2018 - 1st Qtr. 2019	91360 91430	<ul style="list-style-type: none">Concrete and RebarExcavation	Barbara H. Smith 713-670-2483 bhsmith@poha.com

Turning Basin North - Wharf 11, 12 and 13 Damage Repair



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This project consists of repairing damage to piles, shear walls and structural members of the wharfs.

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3rd Qtr. 2018 - 4th Qtr. 2018	91484 91223 91438 90976 91430	<ul style="list-style-type: none">• Structural Concrete repair• Steel Rebar• Concrete forming• Striping• Photography	Eddy Kharrazi 713-670-2544 ekharrazi@poha.com