PORT HOUSTON:

ACCELERATING HOUSTON SHIP CHANNEL EXPANSION Project 11 Update



Western Dredging Association 2023 Dredging Summit & Expo Wednesday, July 19, 2023

Visit: www.expandthehoustonshipchannel.com





WHO WE ARE

We manage eight public terminals — including two container facilities we operate and six others for which we're the landlord

As the advocate and a strategic leader of the Houston Ship Channel, we support the more than 200 facilities and the neighboring communities along it by working with the federal government

We facilitate vital commerce through the port that helps keep the local and state economy moving



THE ENERGY CAPITAL OF THE WORLD

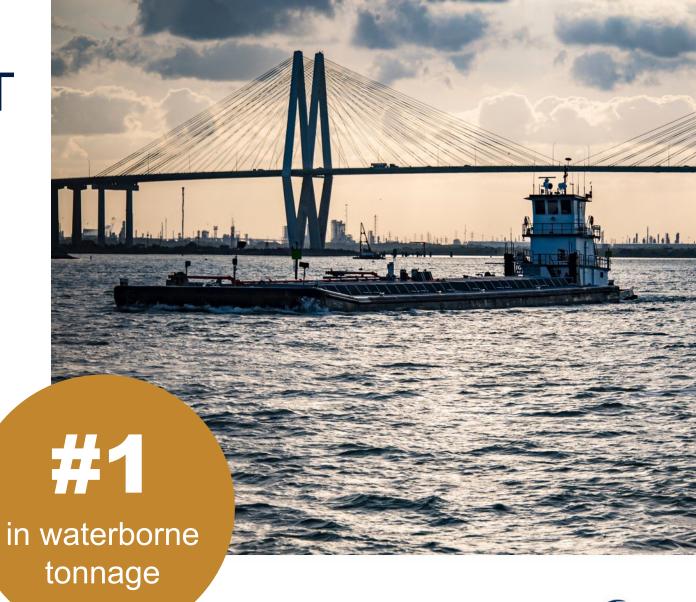
- The Houston Ship Channel is home to the largest **petrochemical** complex in the U.S.
- Houston also has the largest energy pipeline and storage network in the U.S.
- 500 million barrels of liquid storage along the Houston Ship Channel
- A total of **74% of cargo** on Houston Ship Channel is liquid bulk





HOUSTON'S PORT IS NUMBER ONE

- #1 in exports of Propane and Ethane
- **#1** in exports of Butanes
- #1 in production and exports of Ethylene, Propylene, Butylene and Butadiene
- **#1** export state
- #1 in exports of Petroleum and Petroleum Products
- **#1** in resin exports with 58% market share
- **#1** container port in the U.S. Gulf Coast
- #1 in deep water vessel traffic

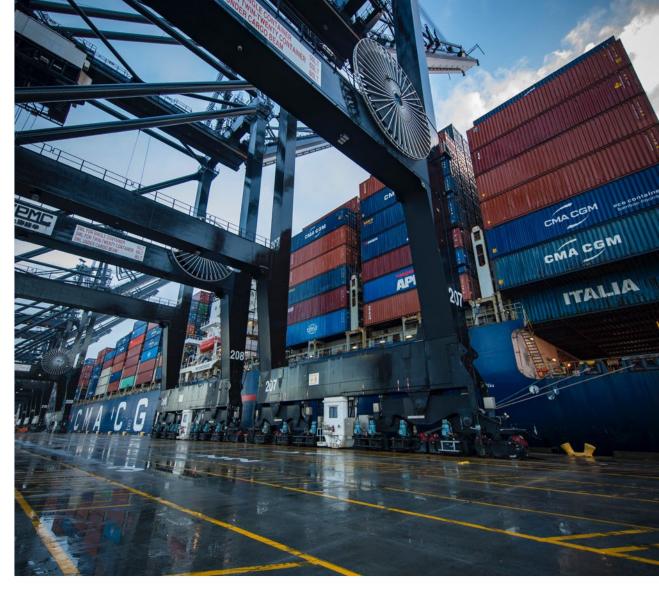




BIG GROWTH = BIG OPPORTUNITIES

Investment of approximately \$800M landside in past 5 years

- Rehabilitation of wharves and yards
- Added container storage space
- Expansion of Barbours Cut entrance
- Improved traffic flow
- 53 new Rubber Tire Gantry cranes
- 6 new STS cranes







HOUSTON SHIP CHANNEL, A FEDERAL WATERWAY



1.35 MILLION

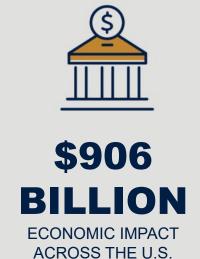
JOBS IN TEXAS



3.2
MILLION
JOBS NATIONWIDE

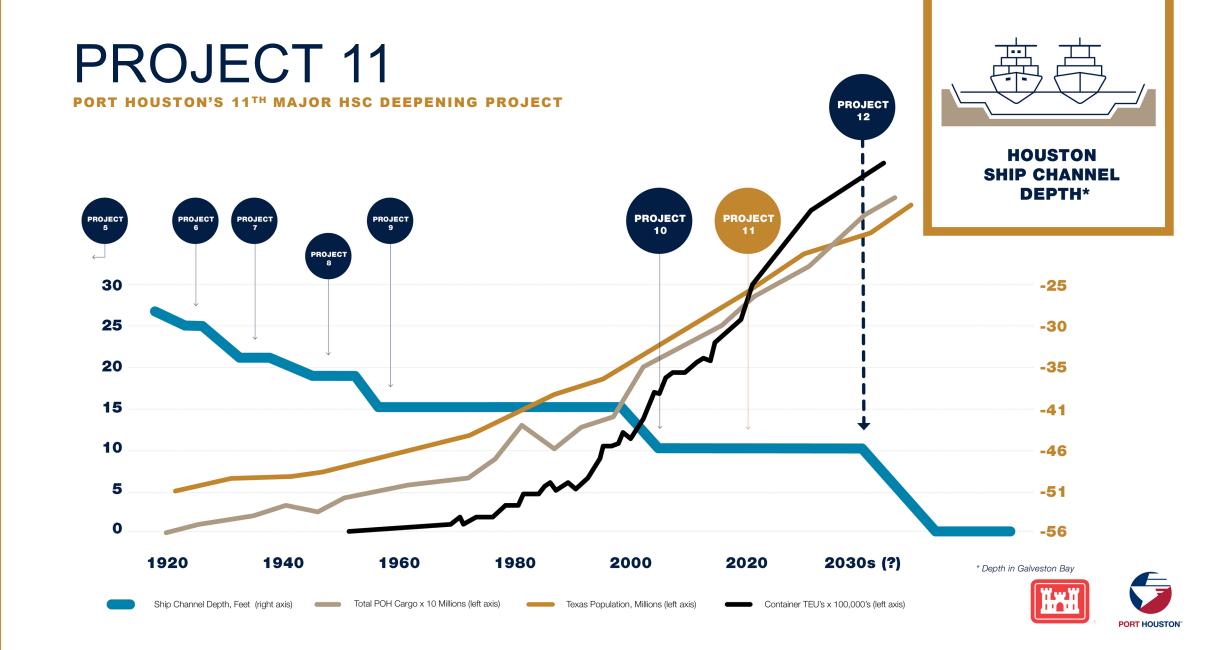


\$339
BILLION
ECONOMIC IMPACT
IN TEXAS









RETHINKING THE TRADITIONAL PROCESS

Bolivar Roads to Redfish • Approximately 11.5 miles in length

• Widen Channel to 700 feet

Bend easing

Construct New Bird Island

Mitigate for oyster habitat loss

Redfish to Bayport Ship Channel

• Approximately 8.3 miles in length

 Widen Channel to a minimum of 700 feet

Bend easing

 Construct marshes and three bird islands in Galveston Bay

Mitigate for oyster habitat loss

• Currently not in the proposed federal plan, so must be built by local interests

Bayport Ship Channel to Barbours Cut

Approximately 5 miles in length

• Widen Channel to 700 feet

Construct additional marshes

Mitigate for oyster habitat loss

• Currently not in the proposed federal plan, so must be built by local interests **Bayport Ship Channel**

3

· Approximately 4 miles in length

• Widen Channel to approximately 455 feet

• Construct marshes and three bird islands in Galveston Bay

Mitigate for oyster habitat loss

Modify channel entrance to reduce shoaling

Barbours Cut Ship Channel

Widen Channel to approximately 455 feet

 Construct additional marshes on Atkinson Island

Modify channel entrance

Boggy Bayou (BW 8) to Sims Bayou

• Widen Channel to approximately 530 feet through Greens Bayou confluence

• Deepen from existing 41 feet to 46.5 feet from Boggy Bayou to Hunting Bayou (last Turning Basin before reaching Washburn Tunnel)

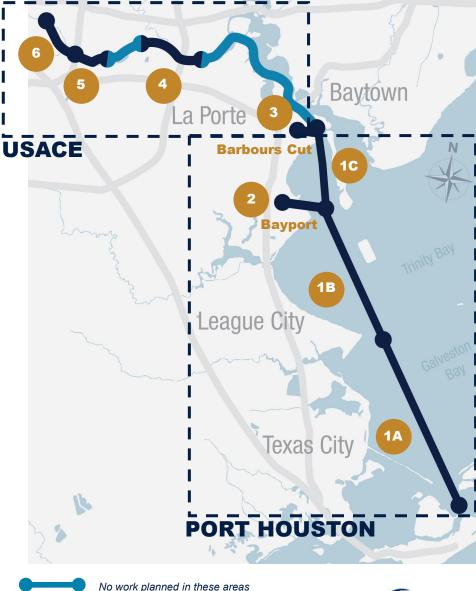
Sims Bayou to IH 610 5

• Deepen from existing 37 feet to 41.5 feet

IH 610 to Turning Basin 6

• Deepen from existing up to 41.5 feet

• Increase Brady Island Turning Basin







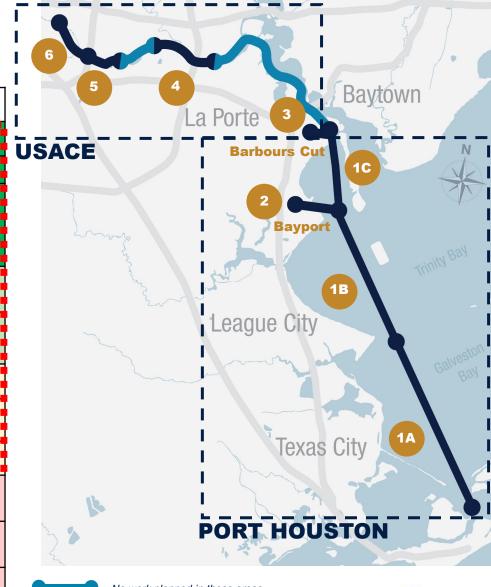




HOUSTON

TENTATIVE PROCUREMENT AND CONSTRUCTION SCHEDULE

	Package		Segment	Advertise		Construction
1	þ	1	1A	Aug 2021	USACE	Jan - Oct 2022
	ete	2	4	Feb 2021	Port	Jun 2021 - Jun 2022
	Completed	Abandoned Pipeline Removal	1B, 1C, 2	Aug 2021	Port	Jan - Jul 2022
	der	3/4A	1A	Jul 2021	Port	Feb 2022 - Mar 2023
	Under Contract	4B/5	1B,1C, 2	Nov 2021	Port	Oct 2022 - Sept 2024
	Funded	6	1C	Oct 2023	Port	Jan - Dec 2024
		7	3	Sept 2023	USACE	Mar 2024 - Sept 2026
	Œ.	8 – E2C	4	Oct 2023	USACE	Jan - Dec 2025
	Federal riations	8 – BW8	4	Apr 2024	USACE	Jul 2024 - Jul 2025
		9	4	Mar 2025	USACE	Aug 2025 - Aug 2026
	Pending Approp	10, 11	5, 6	Sept 2024	USACE	Feb 2025 - Feb 2026
	Pen	12	5, 6	Nov 2025	USACE	Apr - Dec 2026



No work planned in these areas





Completed.



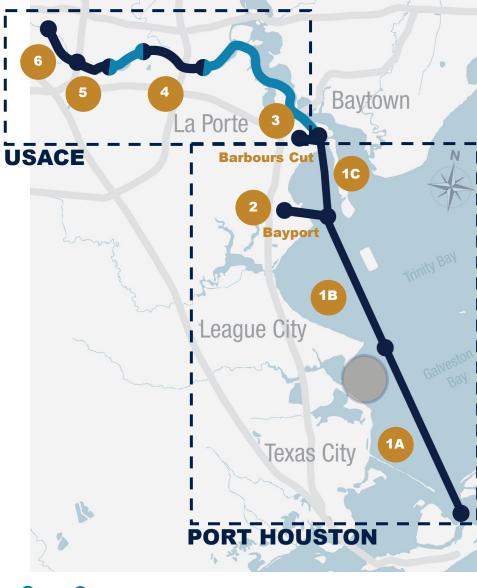


SEGMENT 1A. Dollar Reef.

PACKAGE 1. DESIGN-CONSTRUCTION PACKAGE UPDATE

Advertisement	Co	onstruction	Contractor
AUG 2021	USACE	JAN – OCT 2022	Wiipica QRI JV





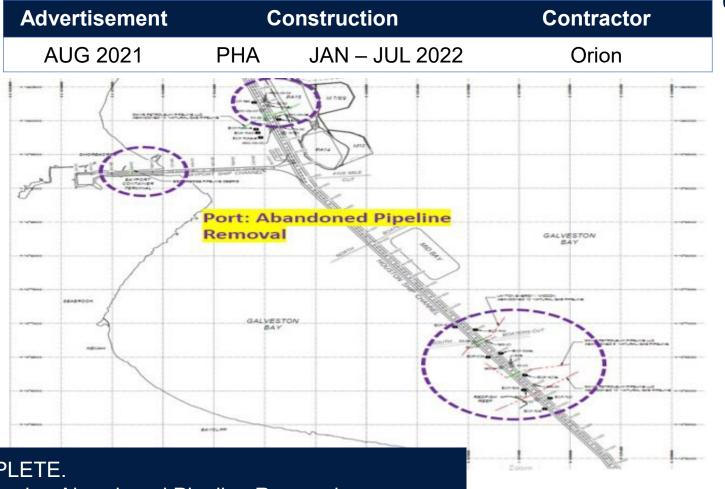
No work planned in these areas

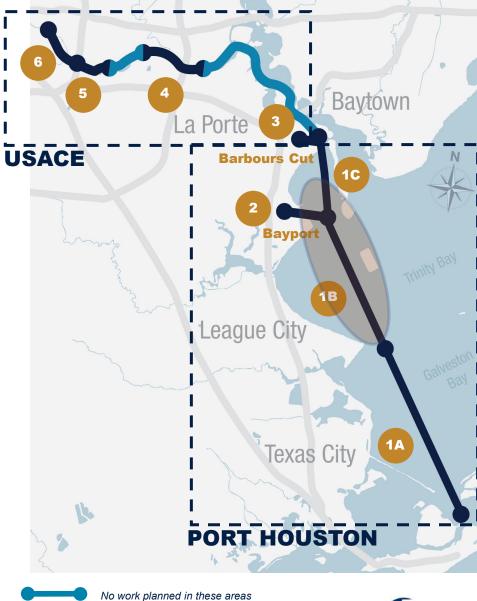




SEGMENT 1B, 1C, 2. Abandoned Pipelines

DESIGN-CONSTRUCTION PACKAGE UPDATE





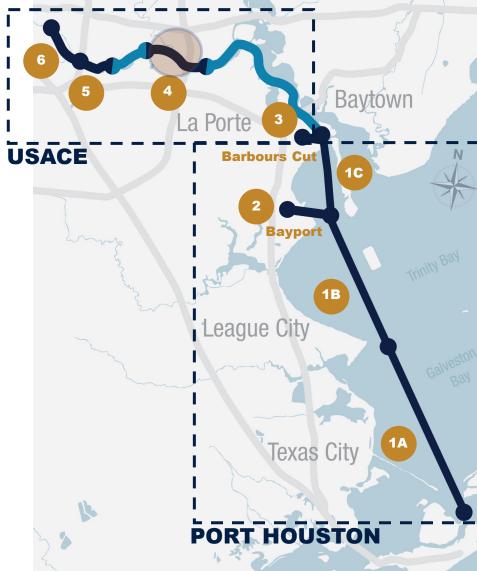




SEGMENT 4. Beltway 8.

Advertisement		Construction	Contractor
FEB 2021	PHA	JUN 2021 – JUN 2022	R.T. Ellis









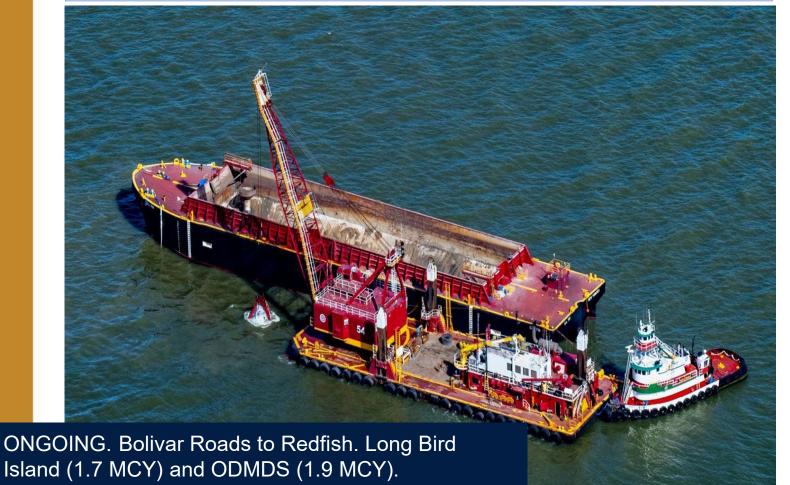


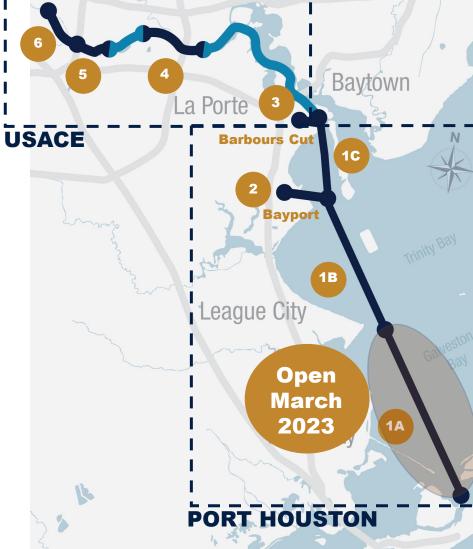
Under Contract.





Advertisement		Construction	Contractor	
JUL 2021	PHA	FEB 2022 – MAR 2023	GLDD	

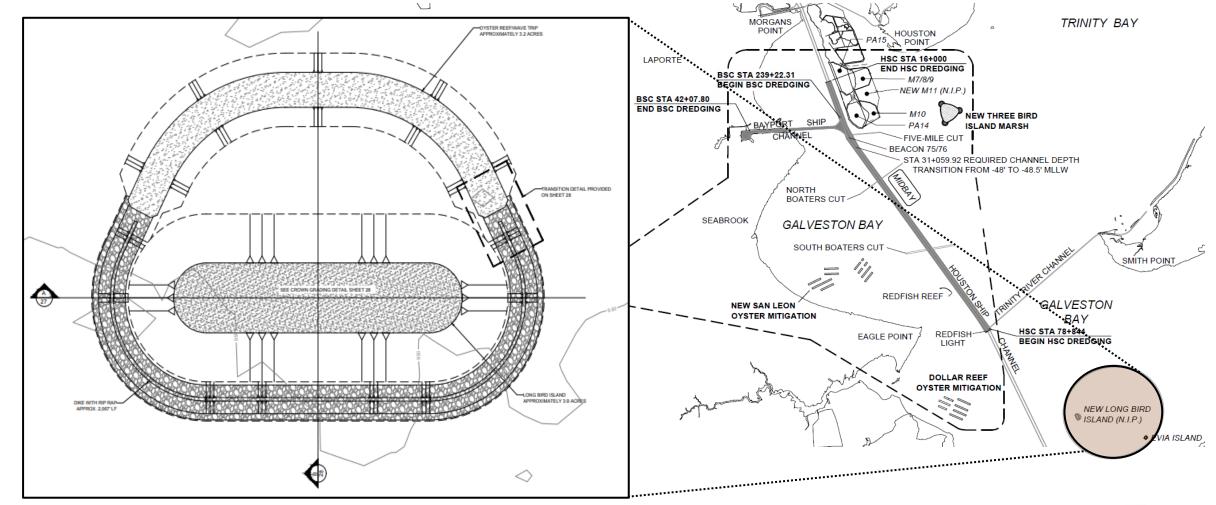






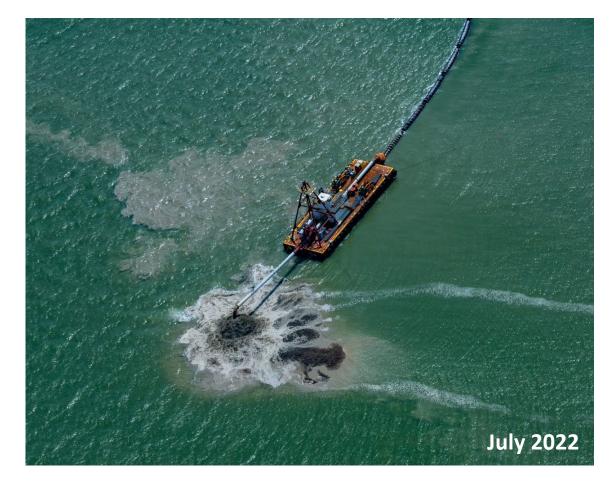








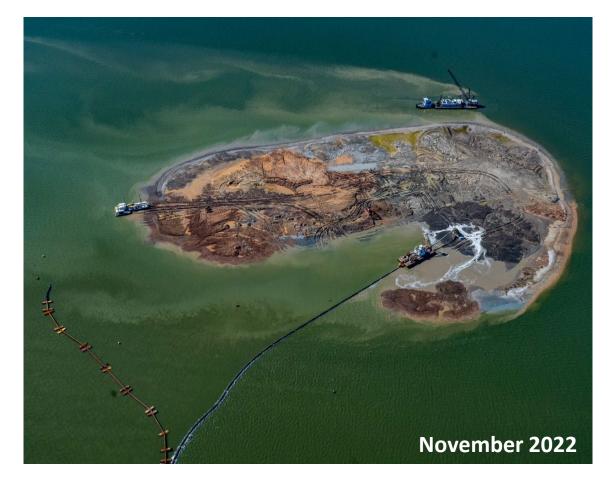


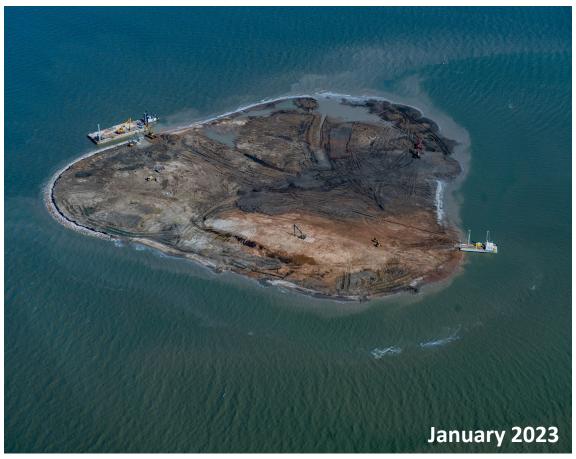
















SEGMENT 1B, 2, 1C. Redfish-Bayport.

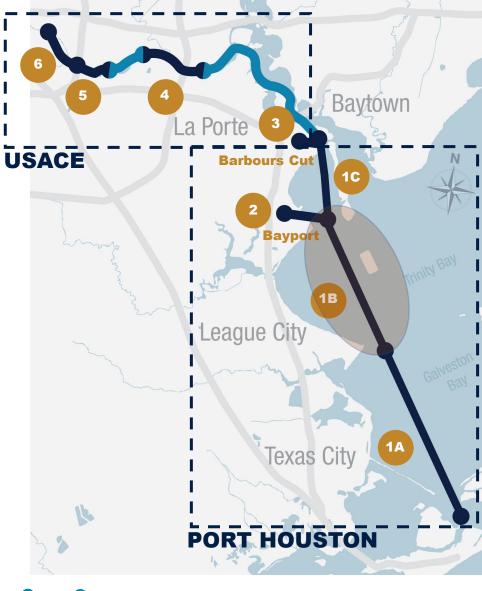
PACKAGE 4B/5 (MECHANICAL). DESIGN-CONSTRUCTION PACKAGE UPDATE

Advertisement		Construction	Contractor
NOV 2021	PHA	OCT 2022 - DEC 2023	Curtin





ONGOING. Redfish to Bayport. San Leon and Dollar Reef Oyster Mitigation (1.5 MCY) & ODMDS (3.8 MCY).





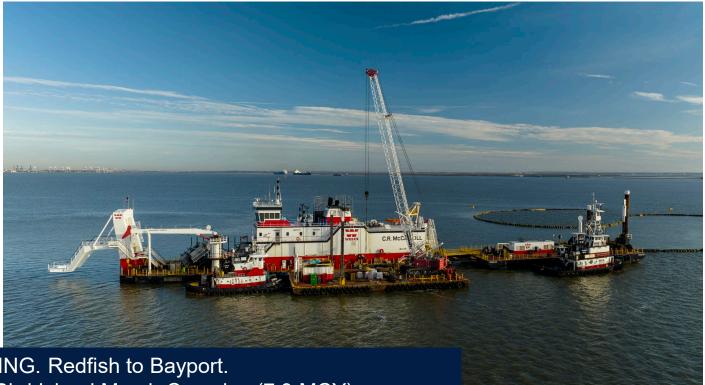




SEGMENT 1B, 2, 1C. Redfish-Bayport.

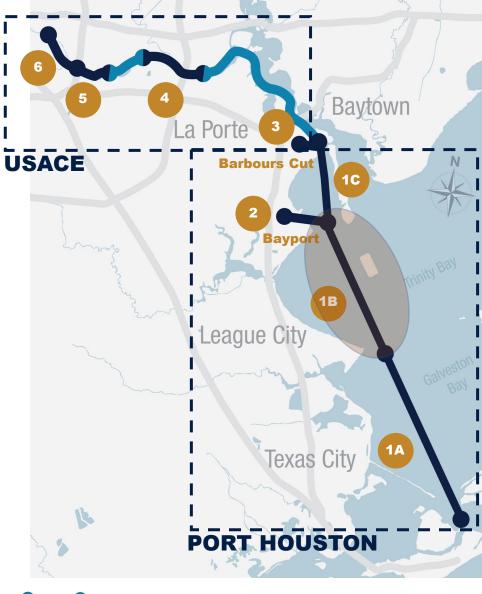
PACKAGE 4B/5 (HYDRAULIC). DESIGN-CONSTRUCTION PACKAGE UPDATE

Advertisement		Construction	Contractor
NOV 2021	PHA	JAN 2023 – SEP 2024	Weeks



ONGOING. Redfish to Bayport.

Three Bird Island Marsh Complex (7.9 MCY).









Funded.

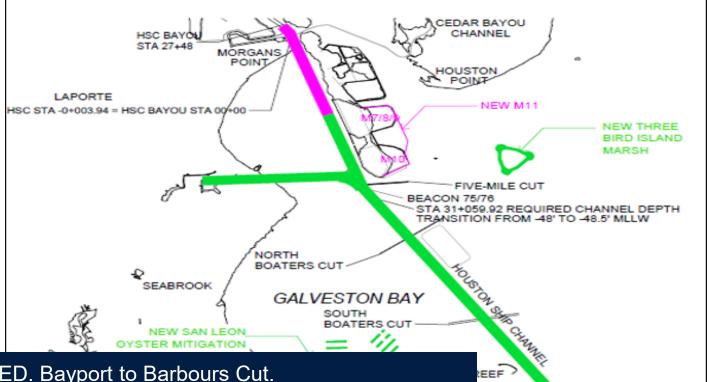


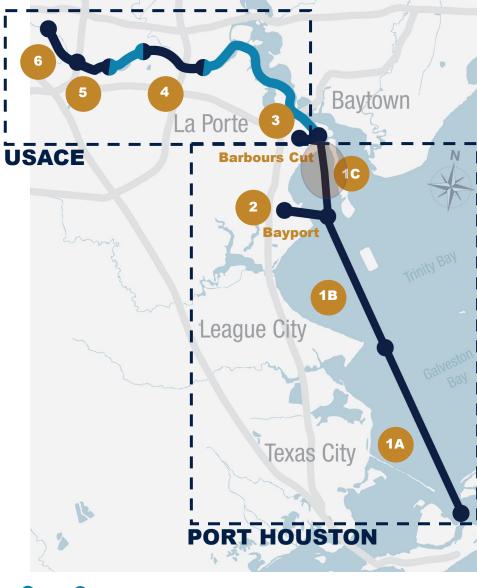


SEGMENT 1C. Bayport-Barbours.

PACKAGE 6. DESIGN-CONSTRUCTION PACKAGE UPDATE

Advertisement		Construction	Contractor
OCT 2023	PHA	JAN – DEC 2024	TBD







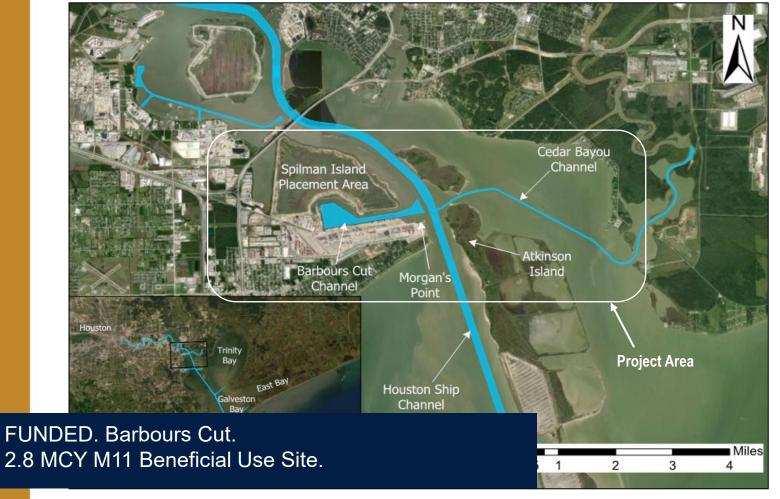


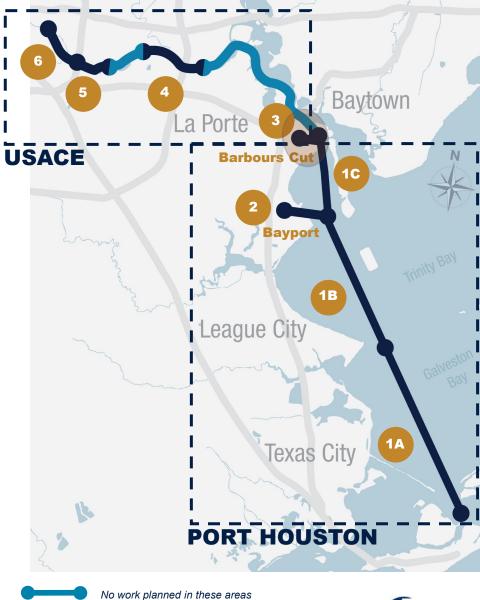


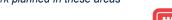
FUNDED. Bayport to Barbours Cut. 3.2 MCY M11 Beneficial Use Site.

SEGMENT 3. Barbours Cut.

Advertisement		Construction	Contractor
SEP 2023	USACE	MAR 2024 – SEP 2026	TBD







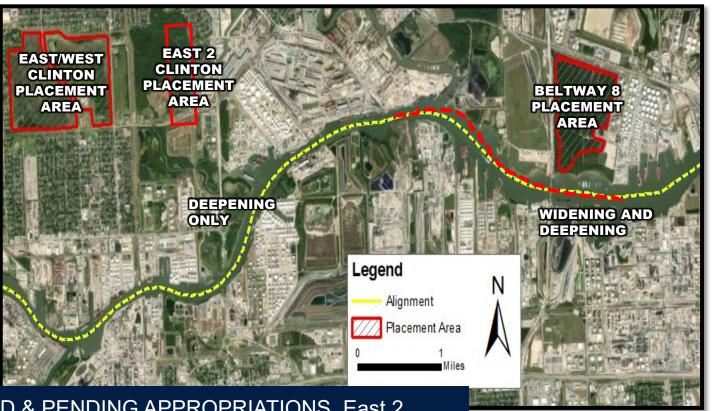




SEGMENT 4. E2 Clinton & BW8.

PACKAGE 8. DESIGN-CONSTRUCTION PACKAGE UPDATE

Advertisement		Construction	Contractor
OCT 2023	USACE	E2C: JAN – DEC 2025	TBD
APR 2024	USACE	BW8: JUL 2024 – JUL 2025	TBD









FUNDED & PENDING APPROPRIATIONS. East 2 Clinton and Beltway 8 Placement Area Construction.

Pending Federal Appropriations.





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	þ	1	1A	Aug 2021	USACE	Jan - Oct 2022
	ete	2	4	Feb 2021	Port	Jun 2021 - Jun 2022
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		8 – E2C	4	Oct 2023	USACE	Jan - Dec 2025
Ī	Pending Federal Appropriations	8 – BW8	4	Apr 2024	USACE	Jul 2024 - Jul 2025
		9	4	Mar 2025	USACE	Aug 2025 - Aug 2026
		10, 11	5, 6	Sept 2024	USACE	Feb 2025 - Feb 2026
	Pen App	12	5, 6	Nov 2025	USACE	Apr - Dec 2026



No work planned in these areas





QUESTIONS?

Visit the Project 11 Webpage https://www.expandthehoustonshipchannel.com/

Email the Project 11 Team
Project11@PortHouston.com

Contact Information Lori Brownell, PE, D.NE. F.ASCE LBrownell@PortHouston.com | Cell. 346.337.1909



