

# **USACE P3 Pilot Project BIH Channel Improvement Project**



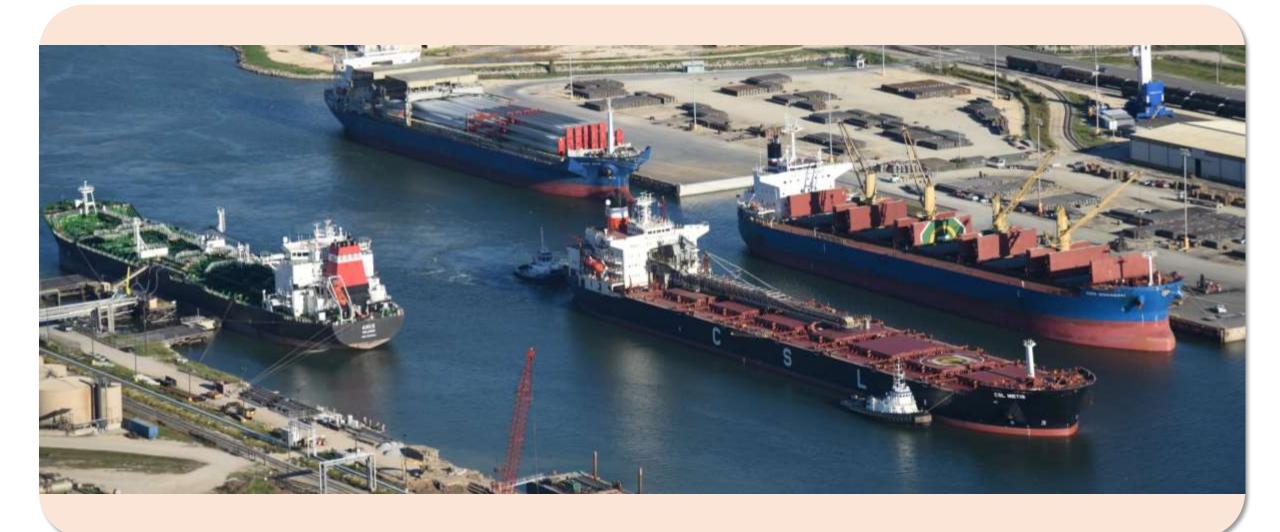






#### **Port of Brownsville**

- We operate FTZ No. 62, ranked number 2 out of 195 nationally for the value of exported goods
- We currently have over \$43 Billion worth of new construction projects in the horizon, including:
- number 2 out of 195 nationally 3 proposed LNG liquefaction plants, all in final FERC permitting
- for the value of exported goods An LEED certified electric arc steel mill.



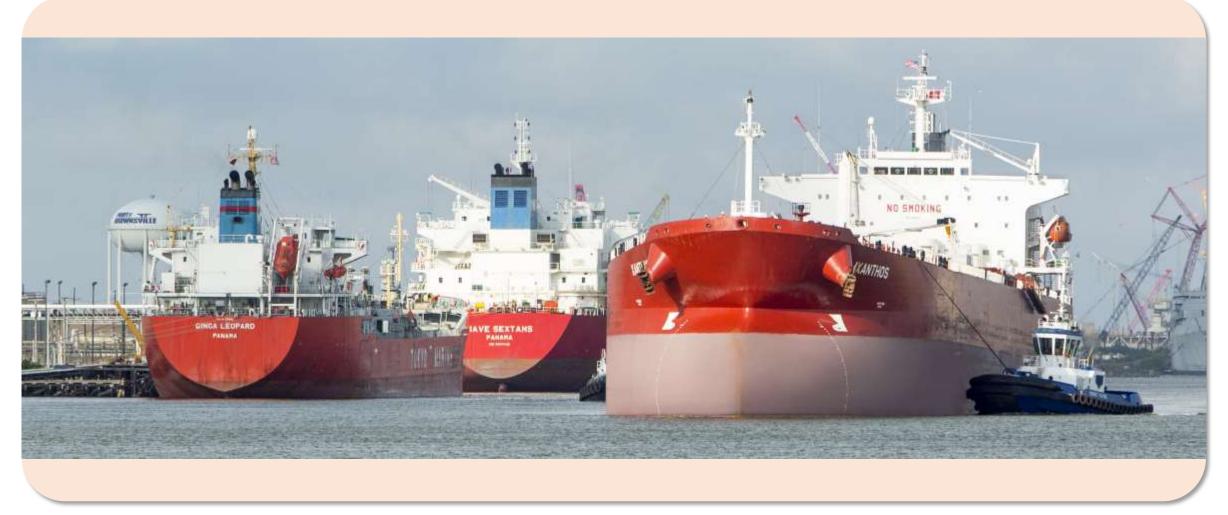
# Port of Brownsville circa 1938



Port of Brownsville now 2019



The Brazos Island Harbor (BIH) Channel Deepening project is authorized by the U.S. Congress in the 2014 USACE Chief's Report and the 2016 WRDA Act. In addition to broad community and industry support, the BIH enjoys the benefit of strong legislative support.



## P3 Pilot Program

In June of this year, the US Army Corps of Engineers announced the selection of the BIH Channel Improvement Project as one of four nationwide to be among the USACE's P3 Pilot Program.

#### P3 PROGRAM CRITERION

**BIH PROJECT** 

A) Construction cost in excess of \$50 million



B) Has non-federal sponsor support



C) Includes design, build, finance, operation and maintenance (DBFOM) or some combination thereof for federally authorized projects



D) Accelerates project delivery



E) Has the ability to generate revenue or leverage non-federal funding sources



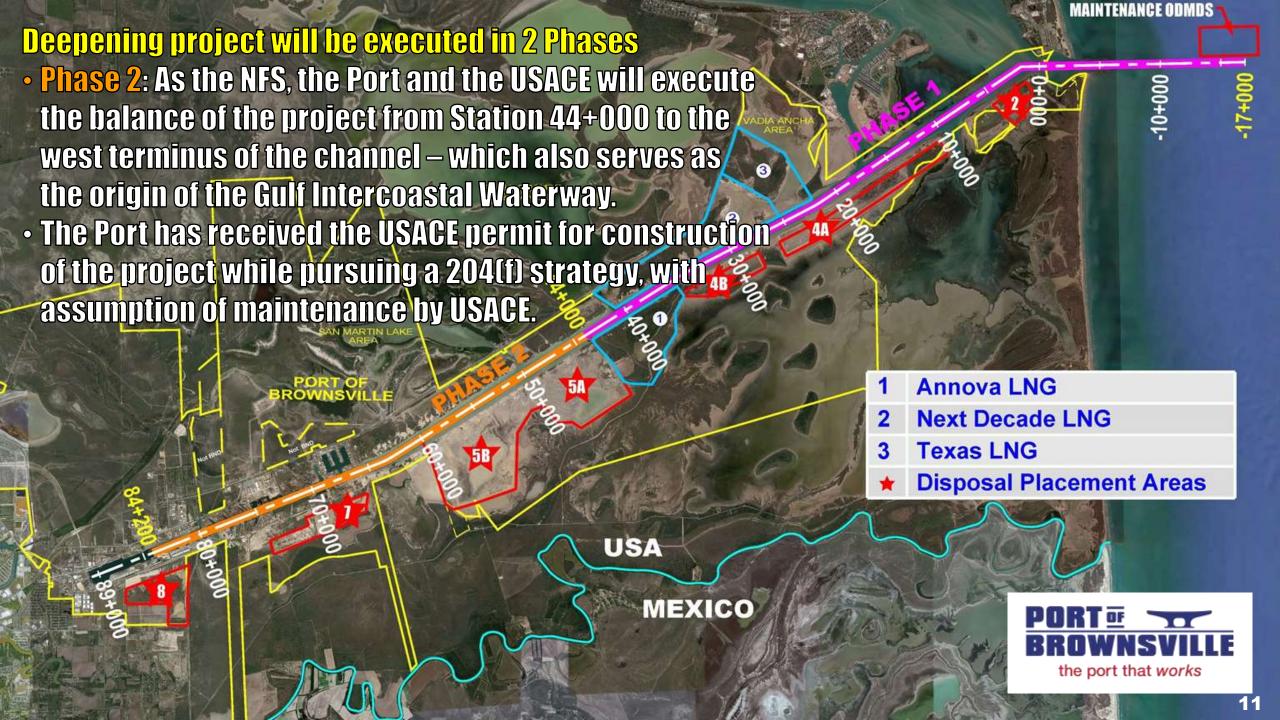
The BIH project is an achievable P3 project and is the most affordable.

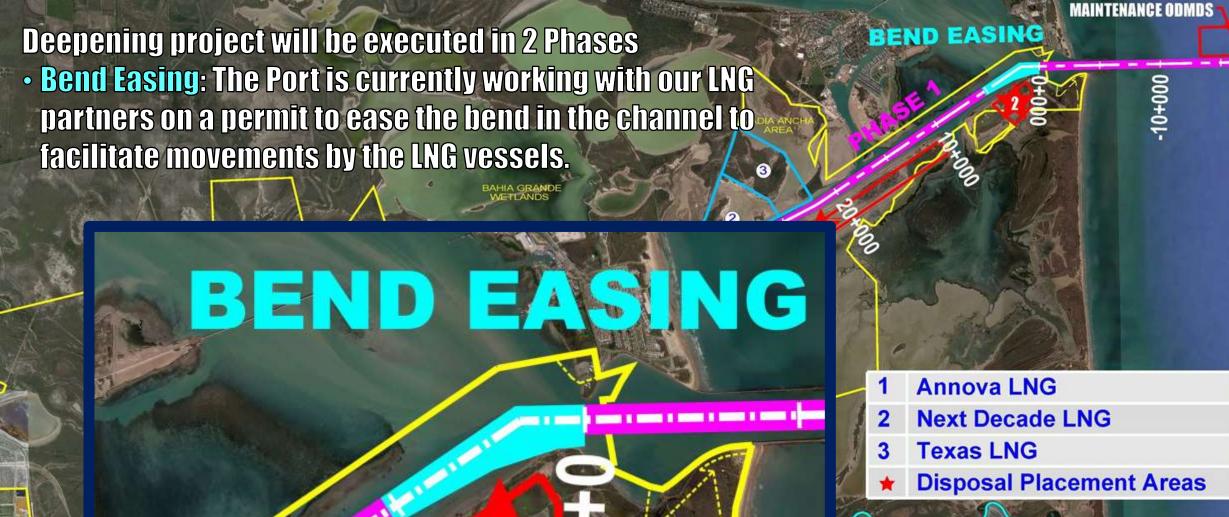
It will deepen the Port of Brownsville Ship Channel from 42 feet to 52 feet. The USACE estimates the P3 model will design, build and finance the project and the savings will be over \$120 million by the time it is completed in 2024.









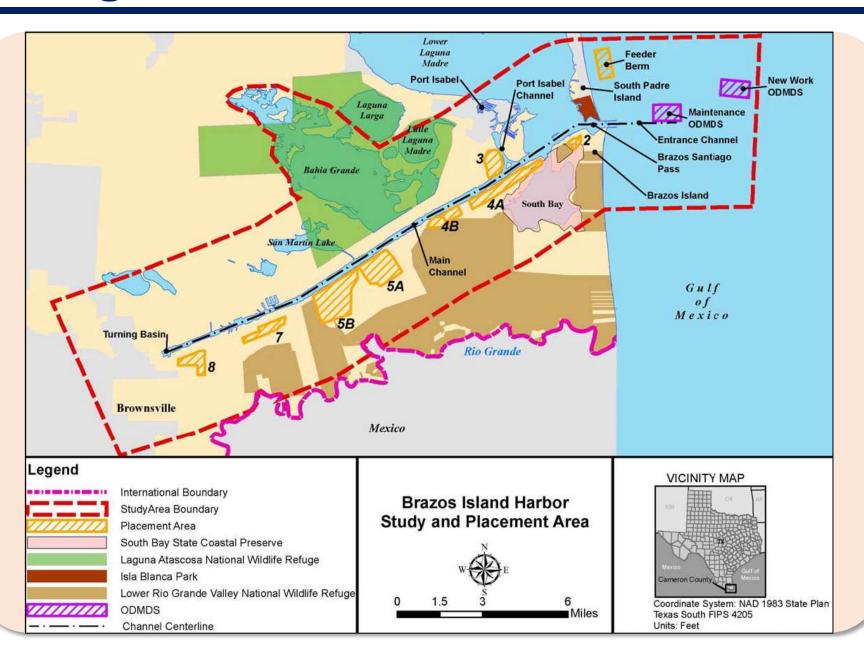


PORT TO THE BROWNSVI

the port that works

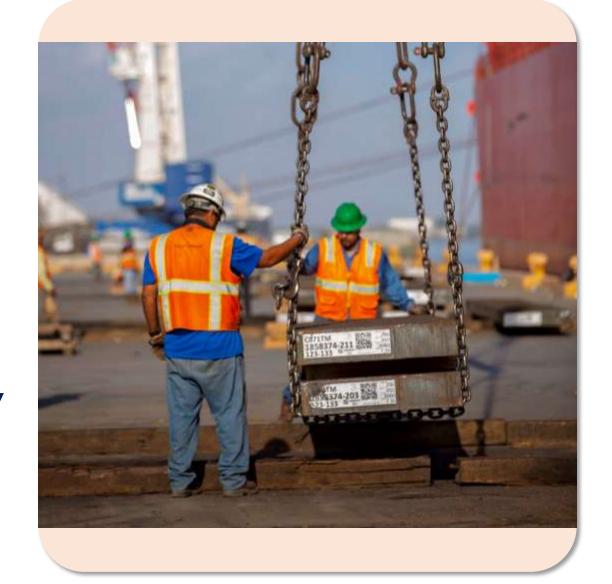
# The BIH Deepening facilitates:

- IncreasedCargoMovements
- Reduced Transit Times
- Operational Safety



### A Deeper Channel Supports:

- LNG Projects
  - Next Decade
  - Annova
  - Texas LNG
- Jack-up and Semi-submersible
  Offshore Oil Rigs and Platforms.
- Petroleum Products and Crude Oil.
- Dry Bulk Materials Like Aggregates, Sugar, Salt and Cement.
- Steel, Fabricated Metal, Iron and Ores.



# **Project Estimate & Potential Savings**

The most recent cost estimates for the BIH project are \$350 million. Under WRDA 2016 cost share protocols, the funding ratios would be a 75/25 split, or \$262.5 million federal responsibility and \$87.5 million non-federal. The proposed USACE P3 Pilot Program offers a strategy supporting the Administration's stated goals of supporting financially innovative solutions to utilize private options, reducing the federal share by \$122.5 million.

BIH Estimate Cost (Millions)	\$350		
WRDA 2016 75/25 Basis	\$262.5/\$87.5		
Public-Private Partnership Plan	\$140/\$210		
Federal Savings	\$122.5		

# **Project Schedule/Timelines**

Task Name	Duration	Start	Finish	Who Controls Task Duration
Ops reviews PA checklist & RE issues Outgrant	85 days	Fri 9/13/19	Fri 12/6/19	SWG
SWG compiles 204(f) package/COL signs	1 day	Mon 12/9/19	Mon 12/9/19	SWG
Finalize Bid Documents	103 days	Mon 6/10/19	Fri 9/20/19	HDR
Submit 204(f) package to SWD/HQ RIT	0 days	Mon 12/9/19	Mon 12/9/19	SWG
SWD/HQ Concurrent Review	40 days	Tue 12/10/19	Sat 1/18/20	USACE
Submit to ASA(CW)	1 day	Mon 1/20/20	Mon 1/20/20	USACE
ASA Approval of 204(f) Package/Executed MOA	45 days	Tue 1/21/20	Thu 3/5/20	ASA
Port ready to advertise/legal review	10 days	Fri 3/6/20	Sun 3/15/20	Port
Advertise (includes Bend Easing)	30 days	Mon 3/16/20	Tue 4/14/20	Port
Receive bids	7 days	Wed 4/15/20	Tue 4/21/20	Port
Construction Award Date	4 days	Wed 4/22/20	Sat 4/25/20	Port

If the project were to be constructed utilizing traditional USACE practices and WRDA 2016 cost share protocols, the Federal cost would be \$139 million of the estimated \$241 million channel-project-only cost. By utilizing the P3 model, the estimated project cost would be reduced by as much as \$150 million.

