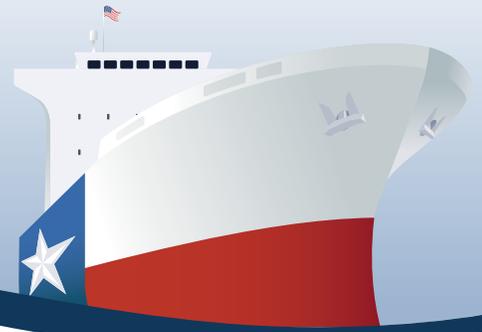




# TxDOT Maritime Legislative Resource Guide

Texas Senate District 20



## Ports in Senate District 20



## Projects in Senate District 20

### Port of Corpus Christi Authority

- Ingleside Cargo Dock..... \$129.00 M
- Ingleside Low Carbon Energy Terminal..... \$288.50 M
- Inland Industrial Port Campus .....\$81.50 M
- Corpus Christi Ship Channel Improvement Project. \$681.61 M
- Corpus Christi Ship Channel Queuing Area Project Feasibility Study..... \$3.00 M
- Corpus Christi Ship Channel Dock Deepening Project ..... \$330.00 M
- La Quinta Channel Expansion Feasibility Study..... \$4.50 M
- Mike Carrell Road Access Improvements ..... \$4.60 M

**Total Project Cost..... \$1.52 Billion**

## TxDOT Government Affairs

The TxDOT Government Affairs Division is responsible for TxDOT's interactions with state and federal elected officials.

- Educational Series
  - Texas Transportation Funding Brochure
- <https://www.txdot.gov/about/divisions/government-affairs-division.html>



## TxDOT Maritime Division Dashboard

The TxDOT Maritime Division Dashboard highlights the Texas maritime transportation system and TxDOT Maritime Division funding programs.

<https://www.txdot.gov/data-maps/maritime-divisions-project-dashboards.html>



[www.txdot.gov/about/divisions/maritime-division.html](http://www.txdot.gov/about/divisions/maritime-division.html)

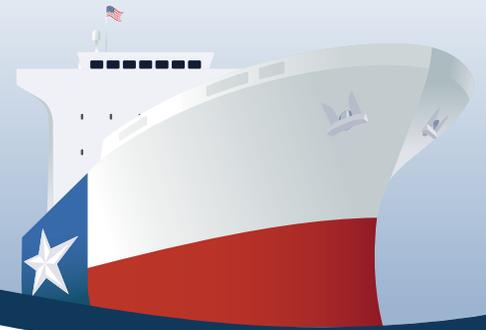


Vessel sailing the Corpus Christi Ship Channel



# TxDOT Maritime Legislative Resource Guide

Texas Senate District 20



**3** OF THE  
**TOP 10**  
Ports in the US  
#1 Port Houston  
#3 Port of Corpus Christi  
#7 Port of Beaumont (2022)

## IMPACTS *of* TEXAS PORTS

Port of Galveston  
**1.49 Million**  
Cruise Passengers in 2023

Port of Palacios  
**Largest**  
Shrimp Fleet in Texas

Texas Transportation Jobs (2023)  
**2,518,000**

**\$713.9** Total  
BILLION Economic  
Value(2023)

Port of Beaumont  
**#1** Strategic  
Military  
Port in  
the US

**28%**  
of Texas GDP  
(2023)



**\$403.61 BILLION**  
IN TRADE VALUE OVERALL  
ANNUALLY (2023)



**\$17.1 BILLION**  
TOTAL TAXES (2023)



**746.4 Million**  
TONS OF CARGO MOVED  
BY TEXAS PORTS (2023)



Port Authority Advisory Committee

# TEXAS PORT MISSION PLAN EXECUTIVE SUMMARY

89<sup>TH</sup> Legislative Session



## INTRODUCTION

In a state where the maritime industry accounts for more than 28% of the GDP<sup>1</sup>, the Texas economy is largely driven by commodity supply chains that move goods to and from the state. Inland markets across the state rely on a strong multimodal freight network to get their goods to the ports for export. Improving the port systems help Texas compete in the global market by ensuring that its inland export commodities continue to reach their destinations worldwide.

Texas seaports require continual maritime infrastructure, seaport connectivity, and ship channel improvements to meet the needs of our Texas's booming economy, as they are a crucial link in the supply chain. The projects identified in this plan represent the needs of Texas ports and their implementation will secure the State's continued economic growth.

## TOTAL PORT PROJECT NEEDS

**Total: \$9,157,244,256**

 Maritime Infrastructure Projects **\$3.11 BILLION**

 Seaport Connectivity Projects **\$585 MILLION**

 Ship Channel Projects **\$5.46 BILLION**

## Successes Since 88th Legislative Session

Following the 88th Legislature's historic **\$640 million** appropriation to Texas seaports, the Texas Transportation Commission awarded the funding to Texas seaport projects to help increase trade, improve safety, and provide a more robust supply chain for our state and the nation.

- Signed into law as the first funding of its kind in Texas, the Commission approved eligible port development and infrastructure projects for **\$200 million** in funding awards through the Maritime Infrastructure Program (MIP). TxDOT and recipient ports were successful in initiating the letting process for all projects selected for funding within the first year of the biennium.
- Additionally, the Texas Transportation Commission approved eligible state highway and other publicly accessible roadway projects for **\$40 million** in funding awards through the Seaport Connectivity Program (SCP).
- The 88th Legislature appropriated **\$400 million** in general revenue to fund the Ship Channel Improvement Revolving Fund (SCIRF). The entire \$400 million was approved for award to two ports.

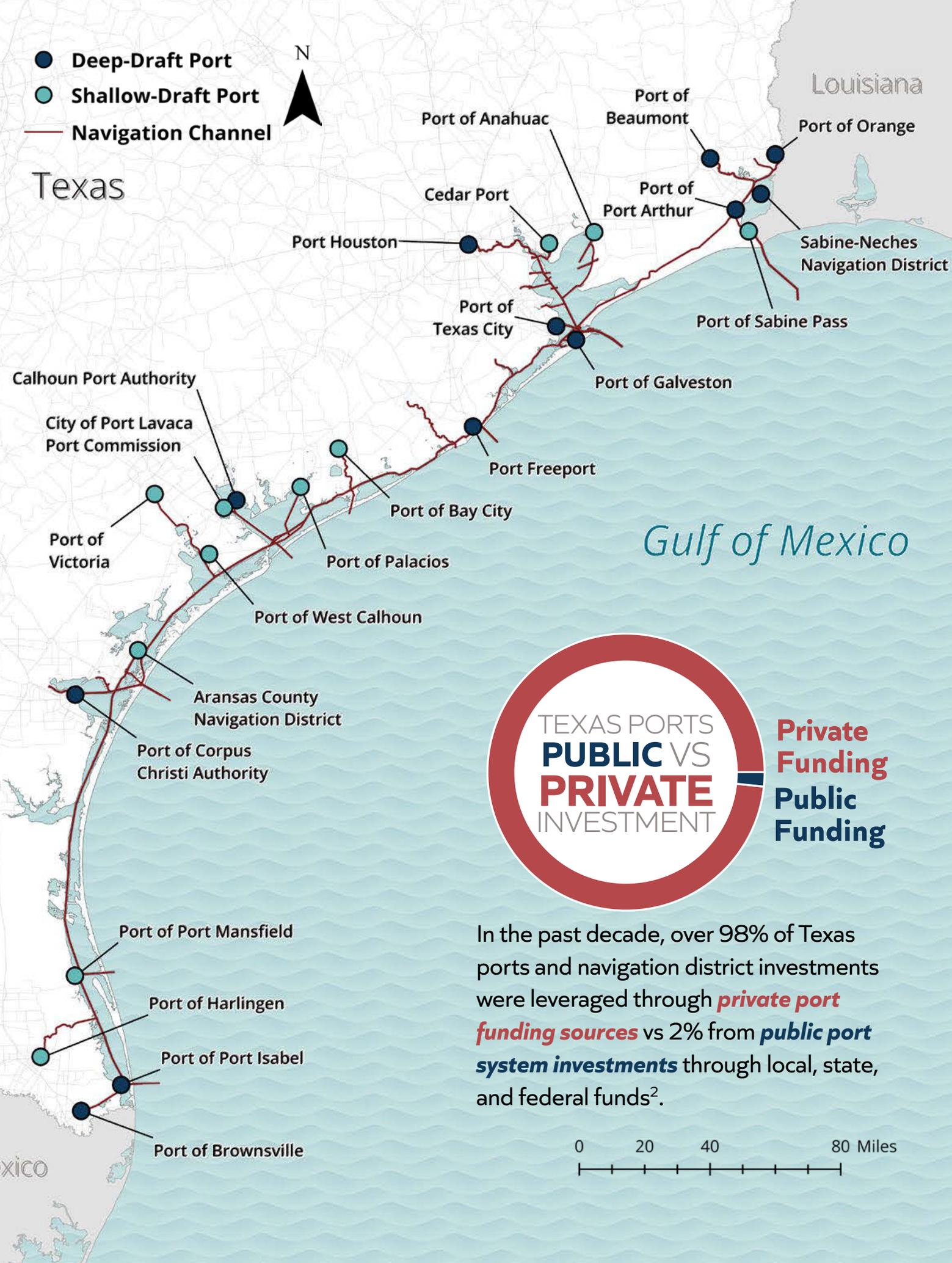
- Deep-Draft Port
- Shallow-Draft Port
- Navigation Channel



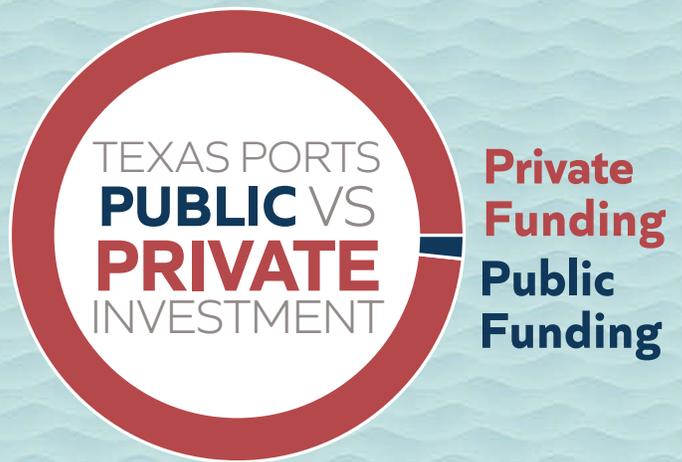
Texas

Louisiana

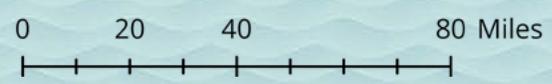
Mexico



Gulf of Mexico



In the past decade, over 98% of Texas ports and navigation district investments were leveraged through **private port funding sources** vs 2% from **public port system investments** through local, state, and federal funds<sup>2</sup>.



## Maritime Infrastructure

Maritime infrastructure addresses port facility and capital improvement needs. Port facilities, including things like storage yards, docks and wharves, entry gates, and interior roadway systems are the backbone of a port's operations. The port's interior infrastructure and equipment help to move workers and goods between vessels and other modes of transportation outside of the port. Investment in port infrastructure allows for ports to maintain efficient business operations, support continued growth of existing businesses, attract new clients, and adapt to ever-changing domestic and global economic conditions all while remaining economically viable and competitive. A port without functional, modern infrastructure will lose out on significant growth, job creation, and revenue generation, while a port that is able to continually invest in infrastructure improvements will actively contribute to the economic health of the region and the state, helping to improve the quality of life in the local area.

## Seaport Connectivity

Texas seaports have a robust intermodal transportation system connecting the state and the nation to domestic and foreign markets. A strong, viable network of road, rail, and pipeline connections to facilitate the movement of materials, goods, and personnel is key to the success of the state's port system. Transportation investments not only make individual ports more competitive, but also contribute to economic vibrancy generally, growing job opportunities, bringing resources to the state's coastal cities, and developing connections across regions.

## Ship Channels

Texas ship channels have a powerful impact on the Texas and U.S. economies and help transfer Texas's respected exports all over the world. As key features of the supply chain, these assets must be looked after to ensure that they meet future demands to continue economic success. An investment in ship channel improvements typically brings an immediate return-on-investment. As vessels have grown larger to enhance trade efficiency, there has been a need for deeper and wider channels to accommodate them to have access to the ports.



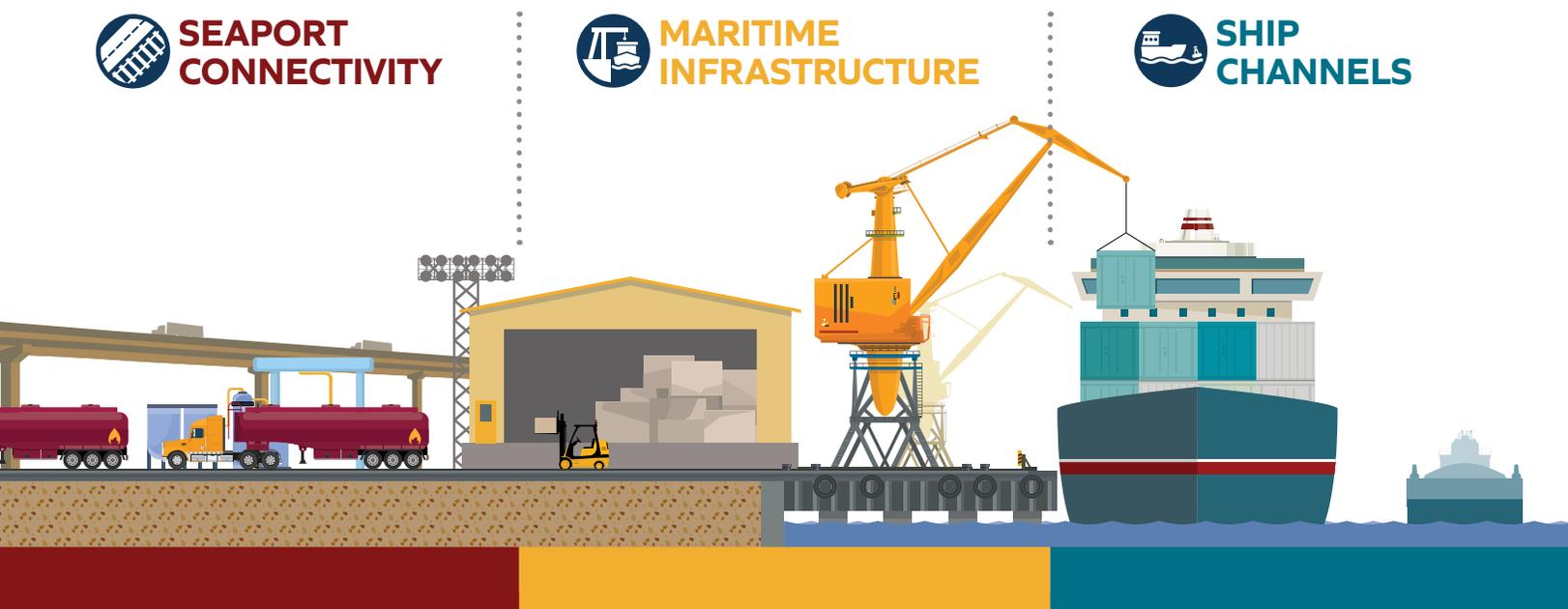
Containers being off-loaded from a container ship at Port Houston

# TEXAS PORT SYSTEMS

 **SEAPORT  
CONNECTIVITY**

 **MARITIME  
INFRASTRUCTURE**

 **SHIP  
CHANNELS**



# MARITIME INFRASTRUCTURE

The maritime infrastructure needs presented encompass a wide variety of projects or studies including waterway projects such as turning basins, connectivity projects such as internal roadway or railroad improvements, and port facilities projects such as bulkheads and storage facilities.

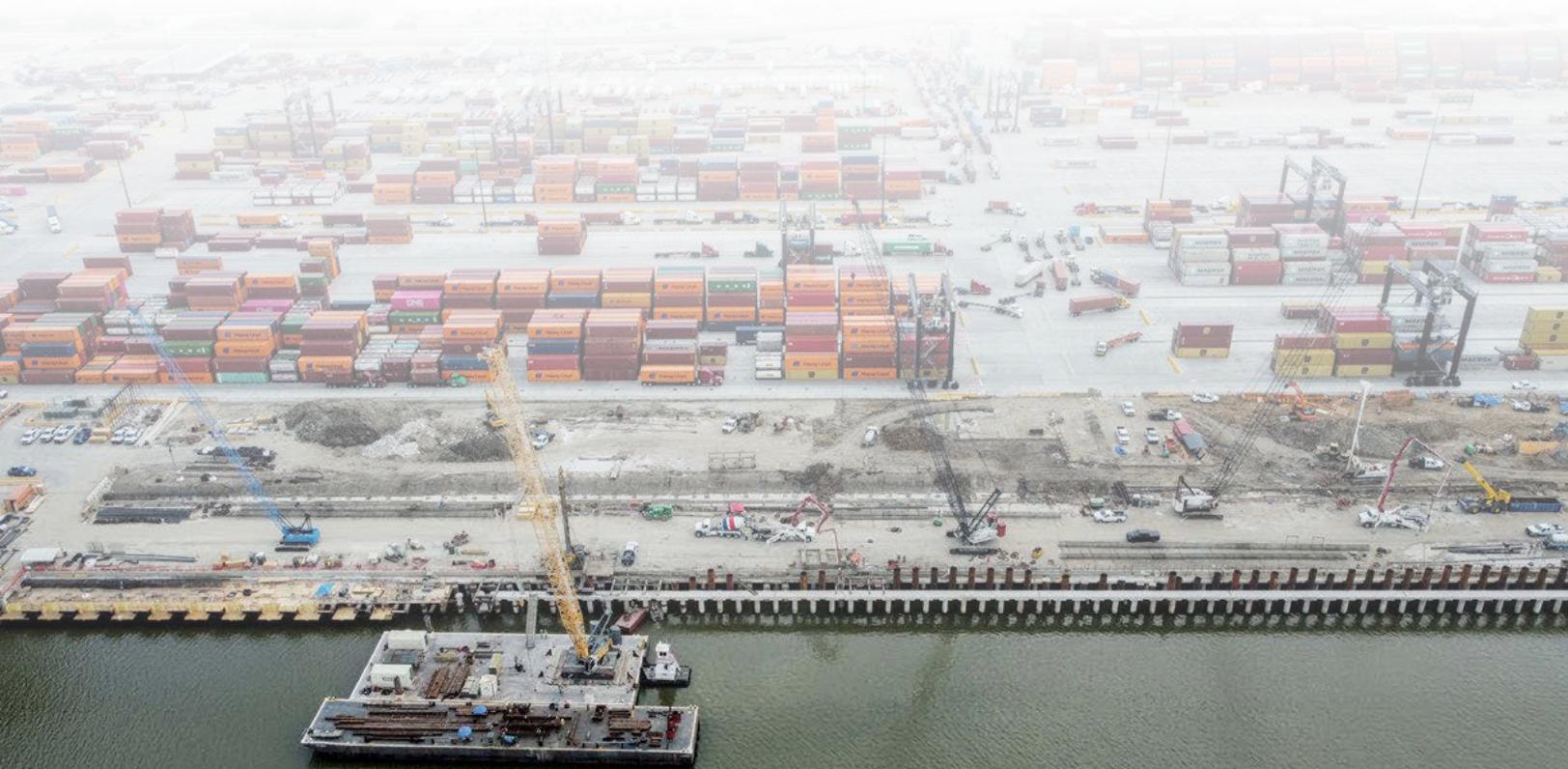
The maritime infrastructure projects presented in this plan include 82 projects, 78 capital projects and four studies, submitted by 17 ports whose total project cost is \$3.11 billion.

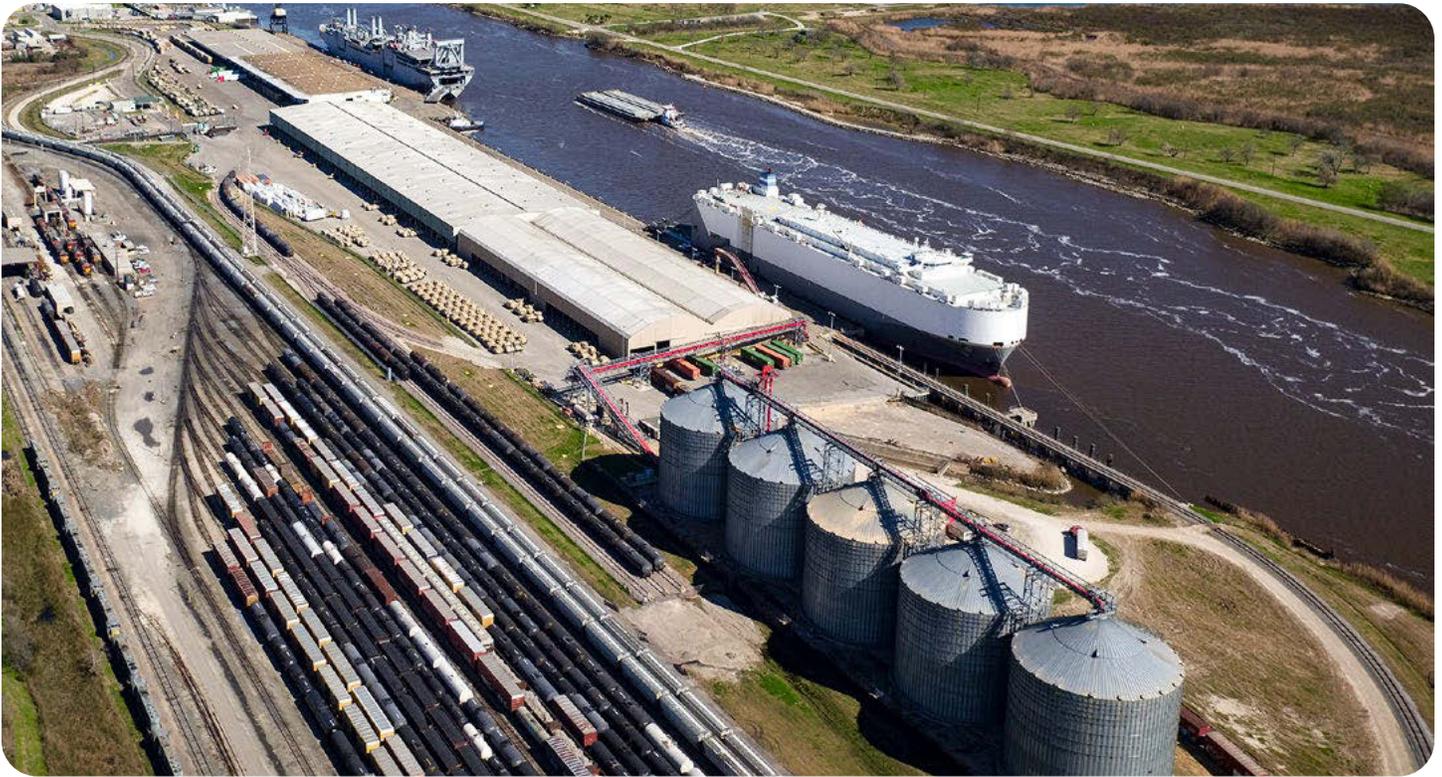
## Maritime Infrastructure Projects

Project Types	# of Projects	Total Cost
Docks, Berths, and Wharfs*	31	\$1.12 Billion
Terminals	10	\$816.85 Million
Roadway/Railroad/Runway Improvements	10	\$325.07 Million
Building/Facilities	6	\$305.39 Million
Yards	8	\$221.07 Million
Bulkheads	11	\$216.20 Million
Other	6	\$103.70 Million
<b>TOTAL</b>	<b>82</b>	<b>\$3.11 Billion</b>

*Costs provided by ports/navigation districts, \*Includes four studies*

*Construction progress on the Port Houston Barbours Cut Wharves; this project was funded in part by money allocated by the 88th Texas Legislature*





Railyard near channel at Port of Port Arthur

## SEAPORT CONNECTIVITY

The seaport connectivity needs include potential solutions to address safety issues, congestion, mobility deficiencies, or improvements between the interaction of vehicles, rail, and adjacent land use. Solutions targeting freight movement can provide regional benefits and benefits to general travel. Projects identified in this report were submitted by the ports and are developed at least to a conceptual level.

The seaport connectivity projects presented in this plan include 24 port-requested connectivity projects submitted by 10 ports and two projects submitted by one of the five coastal TxDOT Districts to address freight mobility at a regional scale. The total cost to implement these projects is estimated to be \$584.85 million.

### Seaport Connectivity Projects

Project Types	# of Projects	Total Cost
Roadway Improvements	16	\$448.11 Million
Bridge Replacements	2	\$68.15 Million
Entrance/Exit Gate	1	\$40.00 Million
Truck Staging and Queuing Areas	4	\$24.37 Million
Wayfinding and Accessibility	1	\$1.60 Million
Public Parking	1	\$1.50 Million
Pedestrian Improvements	1	\$1.12 Million
<b>TOTAL</b>	<b>26</b>	<b>\$584.85 Million</b>

*Costs provided by ports/navigation districts*



East Ostos Road at the Port of Brownsville



*Shrimping boats at the Port of Palacios*

## SHIP CHANNELS

Receiving federal authorization for ship channel deepening and widening requires that a feasibility study first be completed to demonstrate that there are no negative environmental impacts resulting from the project and that the project is of national economic interest. Beyond just channel deepening and widening projects, other ship channel needs can include non-federal projects like dock deepening to match the deeper channel, areas for ship queuing while waiting for berthing space at the port or major alongside channel infrastructure improvements, like jetty structure improvements at the entrance channel.

Ship channel improvement projects are investments that are costly and time sensitive. Delays in funding and implementing projects can lead to missed opportunities for attracting tenants, increases in overall construction costs, operational and safety issues with vessels, and loss of returns on the overall investment.

### Ship Channel Projects

Project Types	# of Projects	Total Cost
Channel Deepening and Widening	8	\$4.96 Billion
Dock or Harbor Improvements	2	\$340.00 Million
Entrance Channel Jetties	1	\$90.00 Million
Other Dredging Needs	2	\$61.20 Million
Feasibility Study	4	\$11.56 Million
<b>TOTAL</b>	<b>17</b>	<b>\$5.46 Billion</b>

*Costs provided by ports/navigation districts*

# PROJECT DEVELOPMENT PROCESS

## FEASIBILITY STUDY INITIATION



- Section 203 of Water Resources Development Act (WRDA) 1986 and amendments from recent WRDA issuances allow the non-federal sponsor to initiate the study through a Memorandum of Agreement (MOA)
- U.S. Army Corps of Engineers (USACE) funding and participation require allocations in their annual Work Plan budget for the specific study

## FEASIBILITY STUDY



**3 YEARS**

**UP TO 10 YEARS**

- Evaluates proposed solutions and alternatives
- Identifies plan that maximizes National Economic Development (NED) benefits
- Culminates with a USACE-approved signed Chief's Report by the Assistant Secretary of the Army (Civil Works)

# Ship Channel Improvement Revolving Fund

In 2017, the 85th Texas Legislature passed Senate Bill 28, establishing the Ship Channel Improvement Revolving Fund (SCIRF). This creates a revolving loan program to help finance the modernization of ship channels. In 2023, the 88th Legislative Session appropriated \$400 million to fund the SCIRF.

SCIRF-eligible projects must:

- Deepen or widen a ship channel
- Be authorized by Congress
- Meet any other standards set by the Texas Transportation Commission
- Maintenance dredging is not qualified per current statute

## Federal Ship Channel Appropriations

Ship channels that have been authorized by the federal government for improvement or where the federal government has assumed maintenance responsibilities are dredged under the U.S. Army Corps of Engineers Civil Works program. However, ports act as non-federal sponsors of the projects and are responsible for funding a portion of the construction and maintenance costs.

The ship channel improvement projects presented in this plan include seven federally authorized deepening projects, representing a \$2.54 billion federal share and \$1.92 billion

local share, for a total estimated first cost of \$4.46 billion. These federally authorized projects are eligible to use SCIRF funds. Loan funds will be utilized to cover construction costs and will be paid back into the fund over time. Additionally, this plan reflects four projects in the feasibility study phase for future Congressional authorization, and five non-federal projects, which are ineligible for SCIRF funding according to the current statute. The total cost of all ship channel needs is estimated to be \$5.46 billion.

Some federal funding has already been appropriated to date for federally authorized channel improvement projects and feasibility studies. Through 2024, federal appropriations for ship channel improvement projects in this plan total approximately \$1.23 billion.

### Federal Appropriations for Texas Ship Channel Projects Through 2024

Project Name	Amount Appropriated
Brazos Island Harbor Channel Improvement	\$68.00 Million
Corpus Christi Ship Channel Improvement	\$405.68 Million
Freeport Harbor Channel Improvement	\$207.72 Million
Galveston Harbor Channel Extension	\$10.78 Million
Houston Ship Channel Expansion	\$172.72 Million
Matagorda Ship Channel Improvement	\$1.81 Million
Sabine-Neches Waterway Channel Improvement	\$367.00 Million
<b>TOTAL</b>	<b>\$1.23 Billion</b>

#### CONGRESSIONAL PROJECT AUTHORIZATION



2 YEARS

10+ YEARS

- An individual project requires Congressional authorization for construction through a signed bill or WRDA
- WRDAs have been issued as frequently as biennially or as infrequently as once a decade

#### PROJECT FUNDING, DESIGN AND CONSTRUCTION



PROJECT DEPENDENT

- A Project Partnership Agreement (PPA) provides a legally binding agreement between the federal government and non-federal sponsor for construction
- Be authorized and have funding allocated by Congress

# TEXAS PORTS

## IMPACT THE GLOBAL ECONOMY



### Annual Trade by Region<sup>3</sup>:

Canada & Mexico	South & Central America	Europe	Africa	Asia	Australia & Oceania
<b>\$50.77 B</b>	<b>\$67.44 B</b>	<b>\$123.27 B</b>	<b>\$9.77 B</b>	<b>\$150.01 B</b>	<b>\$2.34 B</b>
Exports: \$36.16 B Imports: \$14.62 B	Exports: \$49.76 B Imports: \$17.67 B	Exports: \$87.85 B Imports: \$35.42 B	Exports: \$7.94 B Imports: \$1.83 B	Exports: \$87.89 B Imports: \$62.12 B	Exports: \$1.72 B Imports: \$0.62 B

**\$403.61 billion in trade value overall annually\***

\$271.32 billion in exports and \$132.28 billion in imports

*\*Values in dollars for annual combined waterborne import and export trade value for Texas in 2023.*

Refer to the 89th Legislative Session Texas Port Mission Plan at <https://www.txdot.gov/projects/planning/maritime-port-planning.html> for references.



# PORT of CORPUS CHRISTI AUTHORITY

Kent Britton, CEO

[www.portofcc.com](http://www.portofcc.com)



Bulk



Ro/Ro



Energy



Break Bulk



Other

Navigation at the Port of Corpus Christi Authority (PCCA) can be traced back to 1839, when it served as a trading post. Today, PCCA is a major gateway to international and domestic maritime commerce through its deepwater access to the Gulf of Mexico. PCCA is also a strategic military port that provides waterborne resources to handle U.S. military cargo.

## Port Priorities & Opportunities

PCCA is adapting to significant market shifts, focusing on expanding LNG and crude operations while exploring new markets in carbon neutrality and low-carbon hydrogen energy. Anticipating a crude market plateau in the late 2020s, PCCA is also expanding its LNG capacity and cultivating production of future fuels. PCCA has operated on 100% renewable electricity since 2017, has made strides in recycling and Carbon Capture and Storage (CCS) technology, and is transitioning to low-emission vehicles. These efforts, coupled with Green Marine and ISO-14001 certifications and beneficial use of dredge material, demonstrate PCCA's commitment to environmental responsibility alongside its growth.

Connectivity improvements are a priority for PCCA to address encumbrances like the I-37 walking bridge and the Nueces Bay Causeway. Projects are underway to enhance inland access, crucial for supporting PCCA's expanding operations and maintaining efficient transport routes.

## ECONOMIC IMPACT



Annual Rail Cars  
**43,790**



Direct Jobs  
**16,786**



Tax Revenue  
**\$49.6M**

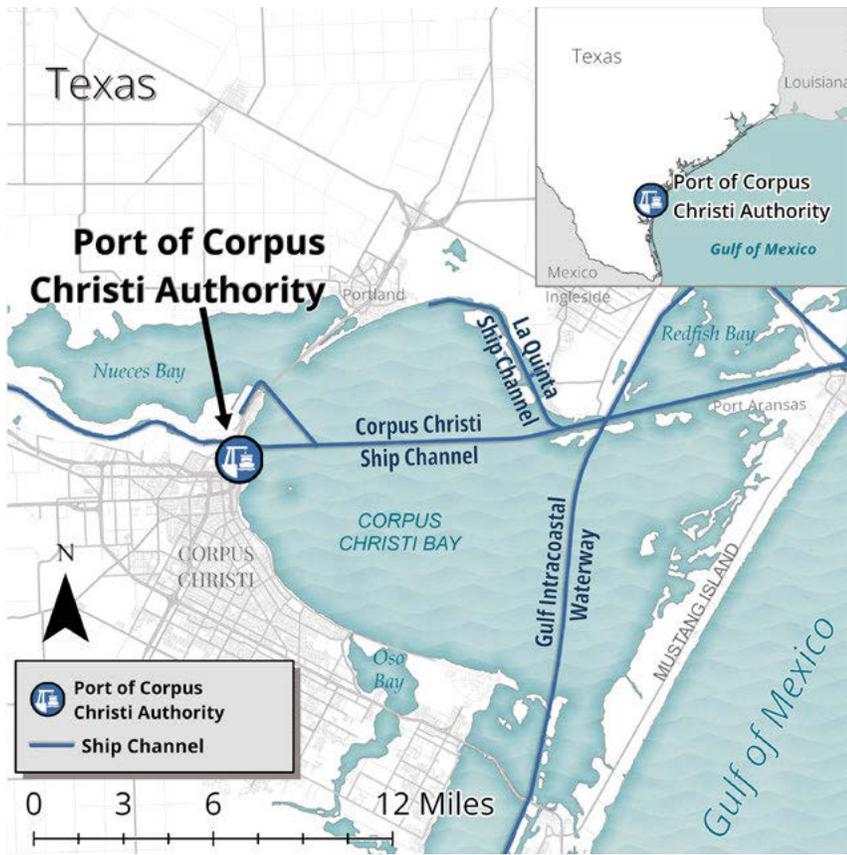


## Port Projects

Project Name	Project Type	Total Project Cost
Ingleside Cargo Dock	Maritime Infrastructure	\$129 Million
Ingleside Low Carbon Energy Terminal	Maritime Infrastructure	\$288.5 Million
Inland Industrial Port Campus	Maritime Infrastructure	\$81.5 Million
Mike Carrell Road Access Improvements	Seaport Connectivity	\$4.6 Million
Corpus Christi Ship Channel Queuing Area Feasibility Study	Ship Channel	\$3.0 Million
Corpus Christi Ship Channel Dock Deepening Project	Ship Channel	\$330 Million
Corpus Christi Ship Channel Improvement Project	Ship Channel	\$681.6 Million
La Quinta Channel Expansion Feasibility Study	Ship Channel	\$4.5 Million

*Costs provided by port/navigation district*





# CARGO CONNECTIONS

## Top Trading Partners

### EXPORTS

- Netherlands \$13.7 Billion
- South Korea \$9.0 Billion
- Singapore \$5.7 Billion

### IMPORTS

- Mexico \$1.1 Billion
- Colombia \$990 Million
- Singapore \$519 Million

Data from USA Trade for 2023

## Top Commodities

### EXPORTS

- Petroleum
- Fertilizers & Chemicals
- Agriculture & Food
- Manufactured Goods
- Crude Materials

### IMPORTS

- Petroleum
- Crude Materials
- Fertilizers & Chemicals
- Manufactured Goods
- Equipment & Machinery

## PORT FACILITIES

### DOCKS & WHARVES

- 13 liquid docks
- 3 dry bulk docks
- 5 multi-purpose cargo docks
- General purpose high-speed bagging facility

### STORAGE & LAND

- Over 700 acres available for lease or development
- Leases available at 40-acre Rincon Industrial Park
- 340,000 sf of covered storage
- 140+ acres of open storage

## SHIP CHANNELS

**Ship Channel Name:** Corpus Christi Ship Channel

**Current Depth:** 47-54 ft

**Authorized Depth:** 54 ft



## INTERMODALITY

### ROAD

- Highway connections to US 181/SH 35, I-37, SH 361, and I-69
- Access to Joe Fulton International Trade Corridor (JFC) from inner harbor

### RAIL

- Port-owned Corpus Christi Rail Terminal switching railroad with connections to BNSF, Canadian Pacific Kansas City (CPKC), and Union Pacific

### BARGE

- 13-mile sailing distance to GIWW (M-10, M-69)

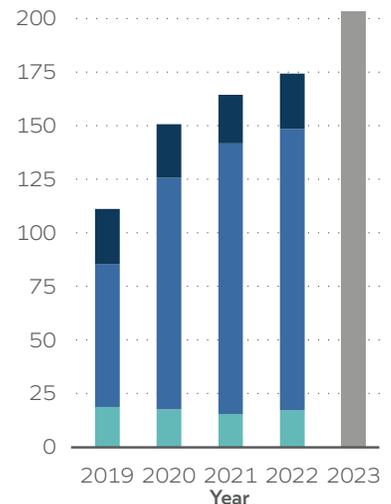
### AIR

- Commercial service to Corpus Christi International Airport

### PIPELINE

- Connections available

## Tonnage



2023 tonnage data provided by PCCA; 2019-2022 tonnage data from USACE Waterborne Commerce Statistics Center, 2024



*Texas Department of Transportation*