



TxDOT Maritime Division Update

Travis Milner

Maritime Division

Planning & Development Section Director



October 25, 2024

88th Legislative Session Maritime Funding Update



Maritime Infrastructure

\$200M investment committed

All 12 projects in letting within 1 year
8 projects under construction



Seaport Connectivity

\$40M investment committed

19 total projects funded
10 in development
2 projects in letting, 5 planned for 1Q25



Ship Channel Improvement

\$400M investment committed

2 total projects funded
Sabine Neches Navigation District
Brownsville Navigation District

Maritime Brochure & Maritime Infrastructure Program Video



ANCHORING PROSPERITY

THE VITAL ROLE OF THE TEXAS MARITIME SYSTEM



FAST FACTS

ANNUAL IMPACT OF THE TEXAS MARITIME SYSTEM^{1,2}

\$713.9 BILLION in Economic Value (↑59% since 2018)	2,518,000 Total Jobs (↑41% since 2018)
746.4 MILLION Tons (↑21% since 2018)	\$17.1 BILLION Total Taxes (↑119% since 2018)
28% of Texas GDP (↑12% since 2018)	\$77.0 BILLION in Economic Activity Added by the Texas Gulf Intracoastal Waterway ³

TxDOT Maritime Division

TEXAS MARITIME SYSTEM: STATEWIDE SIGNIFICANCE

The Texas maritime system, with its 23 seaports and network of waterways, plays a crucial role in resource availability, job security, economic prosperity, and technological advancements across the state of Texas. Interconnected by the Texas reach of the Gulf Intracoastal Waterway (GIWW), Texas's 1,020 miles of navigation channels support a thriving maritime industry along the Texas coast. The GIWW-T, spanning 379 miles in Texas, also connects Texas to the four other Gulf Coast states—Louisiana, Mississippi, Alabama, and Florida. By carrying energy products, consumer goods, and commercial products worldwide, the Texas maritime system delivers the future across Texas and contributes significantly to economic growth in the state and the nation.

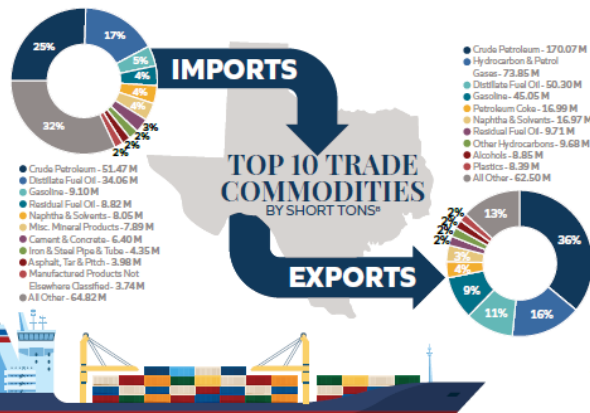
Ranking first in the nation in total waterborne tonnage, the Texas maritime system handles 746.4 million tons of foreign and domestic cargo¹, which is expected to increase to 1.1 billion tons by 2050² to supply a rapidly growing population across the state³. In addition to carrying consumer goods to all of Texas through highway and rail networks stretching as far as the Texas Panhandle, the maritime system generates hundreds of thousands of direct and indirect jobs and contributes billions of dollars in economic output, all factors that affect each Texan on a day-to-day basis. In fact, it is estimated that around 90% of containerized cargo that passes through Texas seaports is either produced or consumed by Texans⁴. To continue to support the state, the Texas maritime system needs to be readily equipped to address market demand through consistent port improvement projects.

DELIVERING the FUTURE ACROSS TEXAS

Maritime System 
↑47% PROJECTED GROWTH
 746.4 Million Tons (2023)¹ → 1.1 Billion Tons (2050)²

Population 
↑35% PROJECTED GROWTH
 30.0 Million (2020)⁵ → 40.6 Million (2050)⁶

Truck & Rail 
↑118% PROJECTED GROWTH
 2.2 Billion Tons (2019)⁷ → 4.8 Billion Tons (2050)⁸



Brazos River Floodgates (BRFG) Economic Impact Study



- Conducted BRFG Economic Study to capture the impact of outdated structure in support of \$140M BRFG Legislative Appropriations Request.
- In 2023, 20.5 million tons traversed the waterway, valued at over \$20 billion

10-Year Cost of No Action: \$371.5 Million | Cost of Repair: \$280 Million



To learn more about the BRFG and the Gulf Intracoastal Waterway, please reference the *89th Session Gulf Intracoastal Waterway Legislative Report*

Learn more about
the GIWW Report



Questions?

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Planning & Development Section Director
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October 25, 2024

The background is a stylized illustration of a ship's hull. The upper part is white, and the lower part is red, with a blue section on the left containing a white five-pointed star, mimicking the Texas state flag. An American flag flies from a mast on the left. Two small grey aircraft are depicted on the white part of the hull. The sky is a light blue gradient with soft white clouds.

89th Legislative Session Texas Port Mission Plan

PAAC Meeting | October 23, 2024

Erika Kunkel, Project Manager - TxDOT Maritime Division

Taylor Squires, PE - AECOM

Port Authority Advisory Committee

TEXAS PORT MISSION PLAN

89TH Legislative Session



TxDOT Maritime Division

Introduction

Port Authority Advisory Committee

TEXAS PORT MISSION PLAN

89th Legislative Session



Tanker ship docked at Port Freeport LNG facility

THE PORT AUTHORITY ADVISORY COMMITTEE

The Committee's mission is to elevate port issues as a vital component of the Texas transportation system and advise the Texas Transportation Commission and TxDOT on matters relating to maritime transportation.

The Port Authority Advisory Committee (PAAC) invests a great amount of time and effort to conduct a biennial assessment of the Texas port system to keep the ports competitive, safe, and reliable for the state and the nation. The PAAC publishes the Texas Port Mission Plan (PMP) to document Texas port project needs.

The PAAC is comprised of nine members. Under Ch. 55 of the Texas Transportation Code, the Texas Transportation Commission appoints seven members of the PAAC to represent the upper coast, lower coast, and Port Houston. The Lieutenant Governor and the Speaker of the House of Representatives each appoint an additional PAAC member.

Successes Since 88th Legislative Session:

- As the first funding of its kind in Texas, the Texas Transportation Commission awarded the historic \$200 million appropriated by the 88th Legislature for port development and infrastructure projects through the Maritime Infrastructure Program (MIP). The contract letting process was initiated for all MIP projects within fiscal year (FY) 2024.
- The Commission also awarded \$40 million for state highway and other public transportation roadway projects 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 has been committed to ship channel improvement projects.

COMMITTEE MEMBERS



Chris Fisher
Chairman –
Port Director & CEO
Port of Beaumont
Upper Coast Representative



Sean Stibich
Vice Chairman –
Executive Director
Port of Victoria
Lower Coast Representative



Aaron Kocian
Lieutenant
Governor Appointee



Zach Johnson
Speaker of the
House Appointee



Phyllis Saathoff
Executive Director & CEO
Port Freeport
Upper Coast Representative



Rodger Rees
Port Director & CEO
Port of Galveston
Upper Coast Representative



Charlie Jenkins
CEO
Port Houston
Port Houston Representative



Walker Smith
Executive Director
Port of Harlingen
Lower Coast Representative



Charles Hausmann
Port Director
Calhoun Port Authority
Lower Coast Representative

But first – thank you.

Thank you to our seaport partners and the PAAC for your feedback, insight, and dedication to this planning process.



AECOM



Port Funding Needs

TOTAL \$9.16 Billion



Maritime
Infrastructure
Projects

**\$3.11
BILLION**



Seaport
Connectivity
Projects

**\$585
MILLION**



Ship
Channel
Projects

**\$5.46
BILLION**



**SEAPORT
CONNECTIVITY**



**MARITIME
INFRASTRUCTURE**



**SHIP
CHANNELS**



Maritime Infrastructure Report

- 82 projects submitted
- \$3.11 Billion total cost
- \$920M funding identified
- \$2.19B unfunded
- 72 projects lettable in 2026-27 biennium

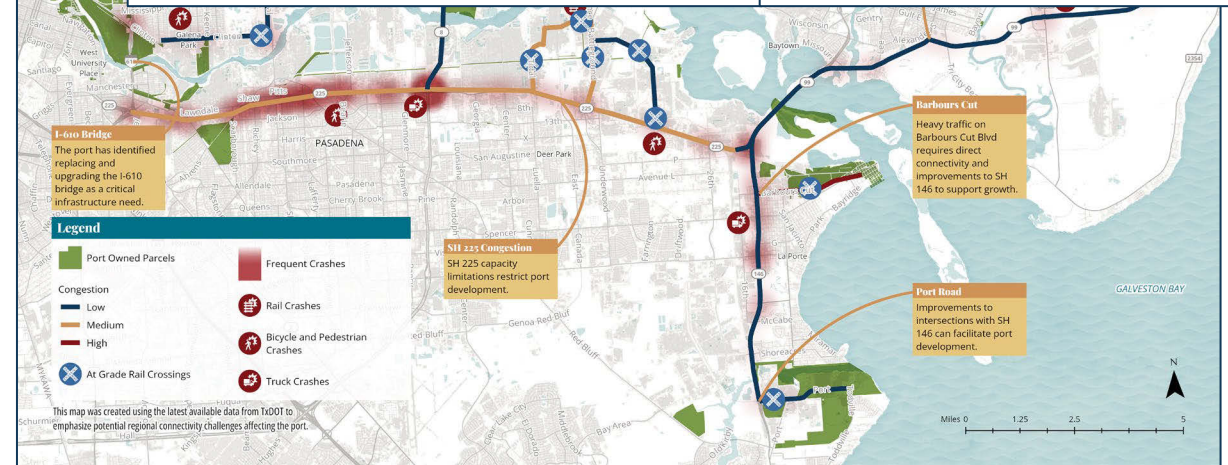


Example Project Profile



Seaport Connectivity Report

- 26 projects submitted
- \$585 Million total cost
- \$175M funding identified
- \$410M unfunded
- 22 projects lettable in



Example Issues & Needs Map

Seaport Connectivity Projects, Issues, & Needs

TxDOT Maritime Division



FM 1405 ROAD WIDENING FROM STATE HIGHWAY 99 TO BARGE DOCK ROAD Cedar Port Navigation & Improvement District

Project Category: County: Chambers | Project Status: Planning & Scoping | Total Project Cost: \$16,660,000

PROJECT BENEFITS



Safety

- Safety will be improved through upgraded railroad crossings and updates to signalization equipment in addition to safer ingress and egress throughout the corridor.



Economics

- Proposed project will improve access and efficiency of business located at TGS Cedar Port and help attract new businesses.



Operations

- This project will improve at-grade railroad crossings and existing signals and reduce delays for businesses.



Other

- Improvements in air quality by reducing vehicle delay.
- Quality of life improvements to employees and business at TGS Cedar Port.

Solution

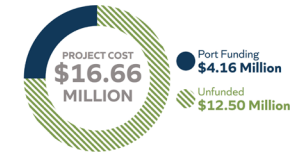
Cedar Port is proposing a multi phased widening project of FM 1405 from State Highway 99 to FM 2354. The first phase of the project is from SH 99 to Barge Dock Road, serving the existing Cedar Port Industrial Park. The proposed project will take the existing two-lane undivided road to a five-lane undivided road in addition to improving one railroad crossing and upgrading signal equipment.

Project Status

The project is currently in the initial stages with Planning & Scoping at 5% completion and Right-of-Way and Land Acquisition at 8%. The environmental review and permits have not started, but the port has been in contact with TxDOT to understand permitting requirements.

The project is lettable by the 2026-2027 biennium.

Funding Status

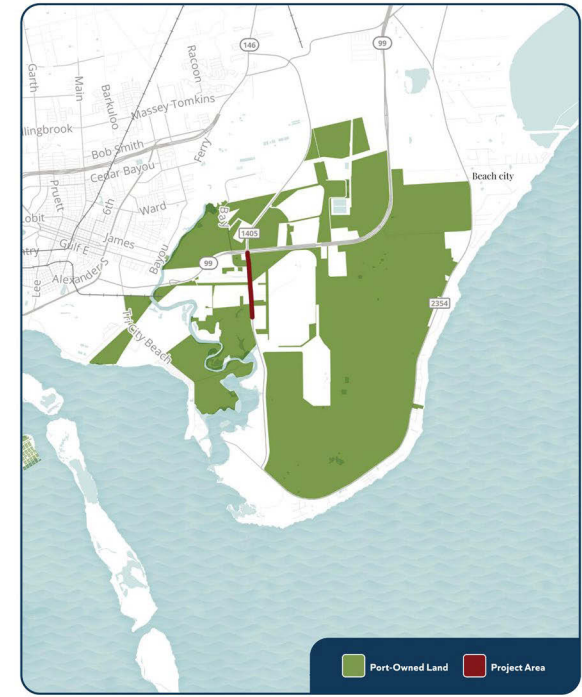


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TxDOT Maritime Division

Seaport Connectivity Projects, Issues, & Needs



Texas Port Mission Plan - 89th Legislative Session

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Ship Channel Report

- 17 projects submitted
- \$5.46 Billion total cost
- \$2.7B funding identified
- \$2.8B unfunded
- 16 projects lettable

Example Project Profile

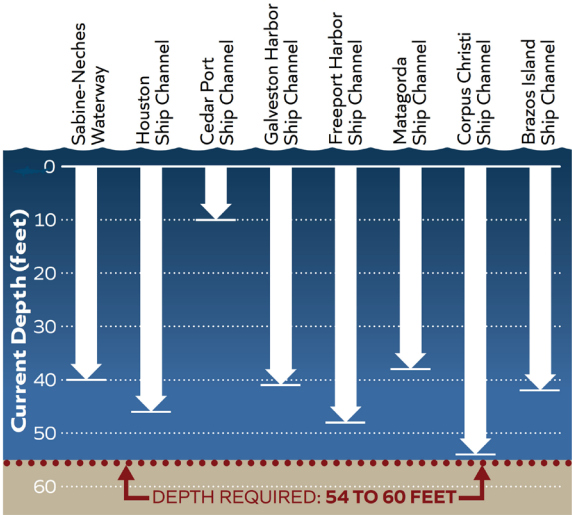


Legislative Appropriations Requests

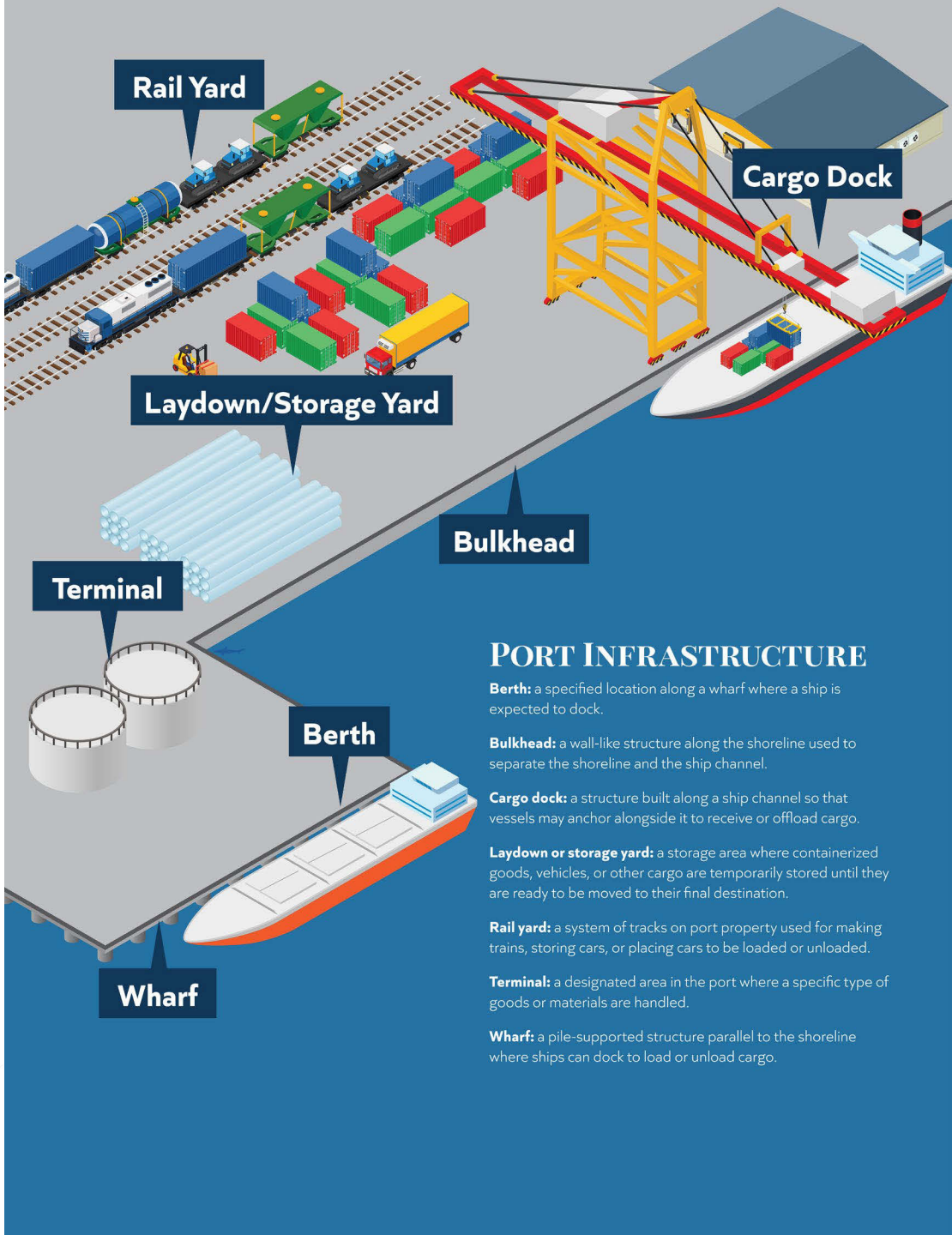
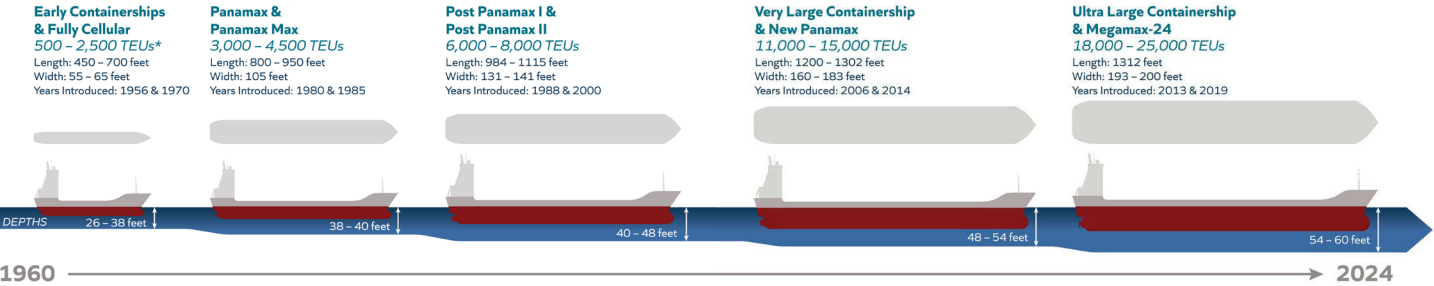
\$900 Million
Maritime Infrastructure Program

\$200 Million
Ship Channel Improvement
Revolving Fund

Depth Required for Ultra Large Containerships & Megamax-24 Vessels



THE EVOLUTION of CARGO SHIPS



PORT INFRASTRUCTURE


- Berth:** a specified location along a wharf where a ship is expected to dock.
- Bulkhead:** a wall-like structure along the shoreline used to separate the shoreline and the ship channel.
- Cargo dock:** a structure built along a ship channel so that vessels may anchor alongside it to receive or offload cargo.
- Laydown or storage yard:** a storage area where containerized goods, vehicles, or other cargo are temporarily stored until they are ready to be moved to their final destination.
- Rail yard:** a system of tracks on port property used for making trains, storing cars, or placing cars to be loaded or unloaded.
- Terminal:** a designated area in the port where a specific type of goods or materials are handled.
- Wharf:** a pile-supported structure parallel to the shoreline where ships can dock to load or unload cargo.

Port Profiles





Example Port Profile

Port Profiles

TxDOT Maritime Division



PORT of BAY CITY
Port of Bay City Authority
Craig Hlavinka, Harbormaster
www.portofbaycity.com




EnergyBreak BulkRo/RoOther

The Port of Bay City is a mixed-use industrial and recreational port that manages the shallow draft Colorado River Channel. The Port has operated the Matagorda Harbor Marina near the Gulf Intracoastal Waterway (GIWW) since its opening in 1990. The port has approximately 150 acres of land for industrial development near its terminal situated roughly 15 miles inland, suitable to substantial tonnage industries traveling both inbound and outbound.


Port Priorities & Opportunities

The Port of Bay City's evolution in recent years has been marked by strategic acquisitions and plans for expansion, notably by the port purchasing property near Matagorda initially for industrial use and later re-envisioned for a harbor expansion catering to pleasure crafts. While initial bond efforts for these projects did not materialize, these endeavors highlight the port's adaptive strategies and potential future directions. Addressing inland connectivity remains a priority for the port, with ongoing challenges such as traffic congestion around FM 3057 and FM 259. Proposed solutions include adding traffic signals and improving road infrastructure to support the expanding port operations and the increasing activity at adjacent industrial sites like Roehm America.

In terms of opportunities, the port is poised to significantly enhance its infrastructure and operational capacity. A \$9.6 million grant for development in the Colorado River area underscores the port's commitment to leveraging federal funds for strategic improvements. However, persistent issues such as shoaling in the Colorado River and the need for dredging to maintain navigational depths indicate critical areas for investment to ensure the port's efficiency and competitiveness. The exploration of new projects for container yards and truck queuing areas signifies a broad vision for the port's future development, focusing on expanding its capacity to accommodate growing trade and recreational demands.




Matagorda Harbor on the Colorado River Entrance
Photo credit: Port of Bay City


**PORT FACILITIES**

DOCKS & WHARVES

- Concrete terminal facility dock
- Liquid cargo dock
- Terminal shed with open floor space to handle cargo
- Matagorda Harbor


**SHIP CHANNEL**

Ship Channel Name: Colorado River Channel
Current Depth: 12 ft
Authorized Depth: 12 ft

**SHALLOW DRAFT**

Current Depth

Authorized Depth

**INTERMODALITY**

ROAD

- Access to FM 3057

RAIL

- Connections to BNSF and Union Pacific

BARGE

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

AIR

- 20 miles from Bay City Regional Airport

PIPELINE

- Access to natural gas, oxygen, and nitrogen pipelines

CARGO CONNECTIONS

Top Commodities

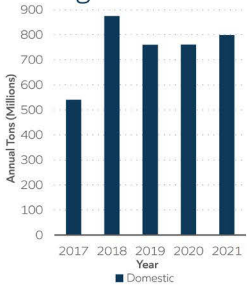
EXPORTS

- Fertilizers and Chemicals
- Petroleum & Petroleum Products
- All Manufactured Equipment, Machinery, and Products

IMPORTS


- Fertilizers and Chemicals
- Primary Manufactured Goods
- All Manufactured Equipment, Machinery, and Products
- Petroleum & Petroleum Products

Tonnage



Year	Domestic Tonnage (Millions)
2017	550
2018	850
2019	750
2020	750
2021	800


Tonnage data from USACE Waterborne Commerce Statistics Center, 2024



Port facilities
Photo credit: Port of Bay City


Texas Port Mission Plan – 89th Legislative Session

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 aecom.com


Legislative Profiles

Draft Profiles



Maritime Division Legislative Resource Guide

Texas Senate District 3
The Honorable Robert Nichols



Ports in Senate District 3

- Port of Beaumont
- Port of Orange

TxDOT Government Affairs

State Government Affairs is responsible for TxDOT's interactions with the Texas Legislature, the Office of the Governor and other statewide elected officials.


- Educational series
- Legislative summaries
- Texas Transportation Funding brochure
- Statutory reports

<https://www.txdot.gov/about/divisions/government-affairs-division.html>


TxDOT Project Tracker

Project Tracker is the gateway to information about more than 11,000 TxDOT projects, providing 24/7-access. To view up-to-date project information for your district and state, visit www.TxDOT.gov. Keyword search "Project Tracker."

https://apps3.txdot.gov/apps-cq/project_tracker/




Texas Department of Transportation
txdot.gov/about/divisions/maritime-division



Maritime Division Legislative Resource Guide

Texas House District 23
The Honorable Terri Leo-Wilson



Ports in House District 23

- Port of Texas City
- Port of Galveston

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Texas Department of Transportation
txdot.gov/about/divisions/maritime-division



Maritime Division Legislative Resource Guide

U.S. House District 34
The Honorable Vincente Gonzales



Ports in House District 34

- Port of Mansfield
- Port of Harlingen
- Port of Brownsville

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Texas Department of Transportation
txdot.gov/about/divisions/maritime-division

Profiles developed for:

- TX House Districts
- TX Senate Districts
- US House Districts
- US Senators

Other Key Updates

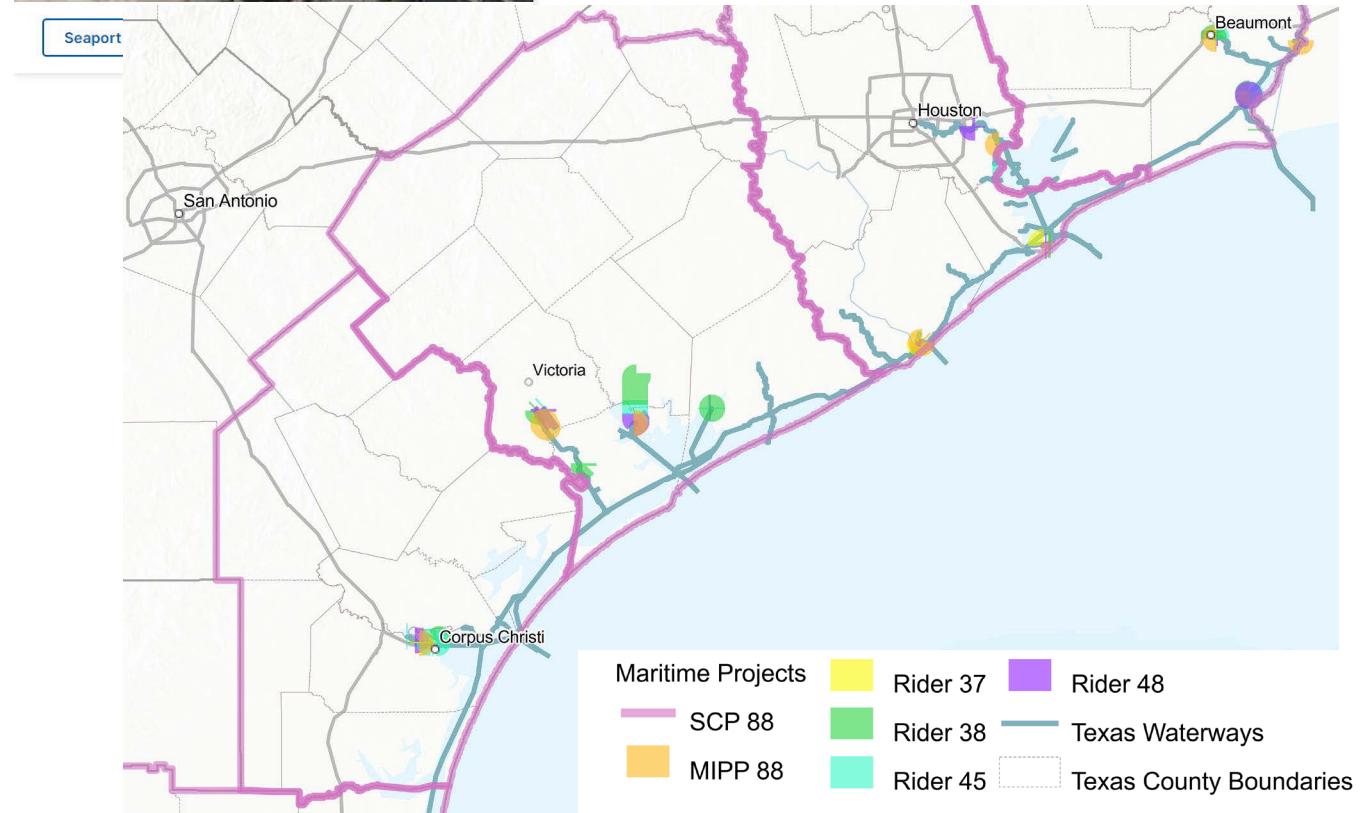
- **2024 Texas Ports Association Report** on the Economic Impact of the Texas Maritime System (2023 data)
- **GIS Project Portal**
 - Will include 2026-2027 PMP projects
 - Future web-based project updates



Seaport Connectivity & Maritime Infrastructure projects

The Seaport Connectivity Program provides grants to seaports and other entities for projects that will improve connectivity, enhance safety, and relieve congestion in communities around the state's maritime ports.

The Maritime Infrastructure Program provides grants to seaports for maritime port security, transportation, facility projects, and maritime port studies.



Questions?

Thank you for your support of the
Texas Port Mission Plan.

