



Interstate Highway (I) 10 at San Jacinto River Bridge Reconstruction

PROJECT NEWS

September 21, 2023

Quick Facts

Project Location:

I-10 at San Jacinto River, Harris County, Texas

Project Length:

Approximately 4.5 miles

Project Limits:

I-10 from Magnolia Street to Thompson Road and Spur 330 from I-10 to Thompson Road

Estimated Cost & Funding:

\$555 million with Federal and State funding

Project Reference Number:

CSJ 0508-01-379

Right of Way Needs:

Approximately 5.4 acres

Potential Displacements:

One non-residential structure housing two businesses and relocation of the City of Baytown city limit monument



Welcome to the Public Meeting

The Texas Department of Transportation (TxDOT) welcomes you to the public meeting. This public meeting is being conducted both virtually and in-person. Both options provide an opportunity to view a pre-recorded presentation in English and Spanish and provide your feedback on the proposed project. The purpose of the public meeting is to engage with the community and gather feedback on this proposed project. Your input is important in the project development process. Details on how to comment are on the following page.

Project Description

TxDOT, Houston District, is proposing improvements along I-10 from Magnolia Street to Thompson Road and Spur 330 from I-10 to Thompson Road in Harris County, Texas. The proposed project would replace and widen the existing bridges over the San Jacinto River to reduce barge collisions with the bridge structures and provide increased vehicular capacity within the project limits. The proposed project would replace the existing I-10 mainlane bridges over the San Jacinto River. Due to repeated barge traffic collisions with the bridge structures on the San Jacinto River, the proposed I-10 mainlane bridges would consist of a wider navigational opening and tentatively consist of steel girder bridges with a 52-foot vertical clearance and a 386-foot horizontal navigational clearance.

The proposed project would also add vehicular capacity to I-10 within the project limits. The existing highway in this location consists of three lanes in each direction. The proposed project would add one general purpose lane, acceleration/deceleration lanes and entrance and exit ramps, and two managed lanes in each direction. Managed lanes are highway lanes where operational strategies, such as, but not limited to HOV lanes or emergencies services, are proactively implemented and managed in response to changing conditions. Proposed improvements along Spur 330 include widening to add one managed lane in each direction and connecting to the proposed I-10 managed lanes. Currently Spur 330 consists of two 12-foot mainlanes and two 12-foot frontage lanes in each direction.

Project History

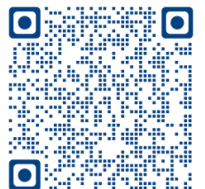
The existing I-10 structure over the San Jacinto River has had multiple barge strikes. Past flooding has caused several barges to impact the existing bridge protection system, causing substantial damage. The flooding also caused significant scour to the existing bridge footings.

A bridge type selection study was performed to determine best solution for replacement. Currently there is a retrofit project under construction to repair the damaged protection and fender systems.

For more information, go to:

<https://www.txdot.gov/projects/hearings-meetings.html> or scan the QR code here.

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The environmental review, consultation, and other actions required by applicable Federal environmental laws for this project are being, or have been, carried-out by TxDOT pursuant to 23 U.S.C. 327 and Memorandum of Understanding dated December 9, 2019, and executed by FHWA TxDOT.

Why is this project proposed?

The purpose of this project is to increase capacity and limit potential waterborne strikes of the bridge structures, which would improve safety, access, and navigation for the mariner community and safety for the traveling public.

Questions or Need Help

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How to Get Involved

You are invited to participate in the development of this project by reviewing the materials and providing comments.

You may submit comments in any language in the following ways:

- Place the comment card in the Comment Box at the in-person option
- Send your comment via U.S. Mail postmarked by Friday, October 6, 2023:

TxDOT Houston District
Director of Project Development
P.O. Box 1386
Houston, Texas 77251-1386

- Send your comment via email to:
HOU-PIOwebmail@txdot.gov

All comments must be received or postmarked by October 6, 2023, to be considered in the official public meeting summary report.

Documentation of this public meeting will be available online at the project webpage when completed. This report will contain responses to all comments received by the deadline.

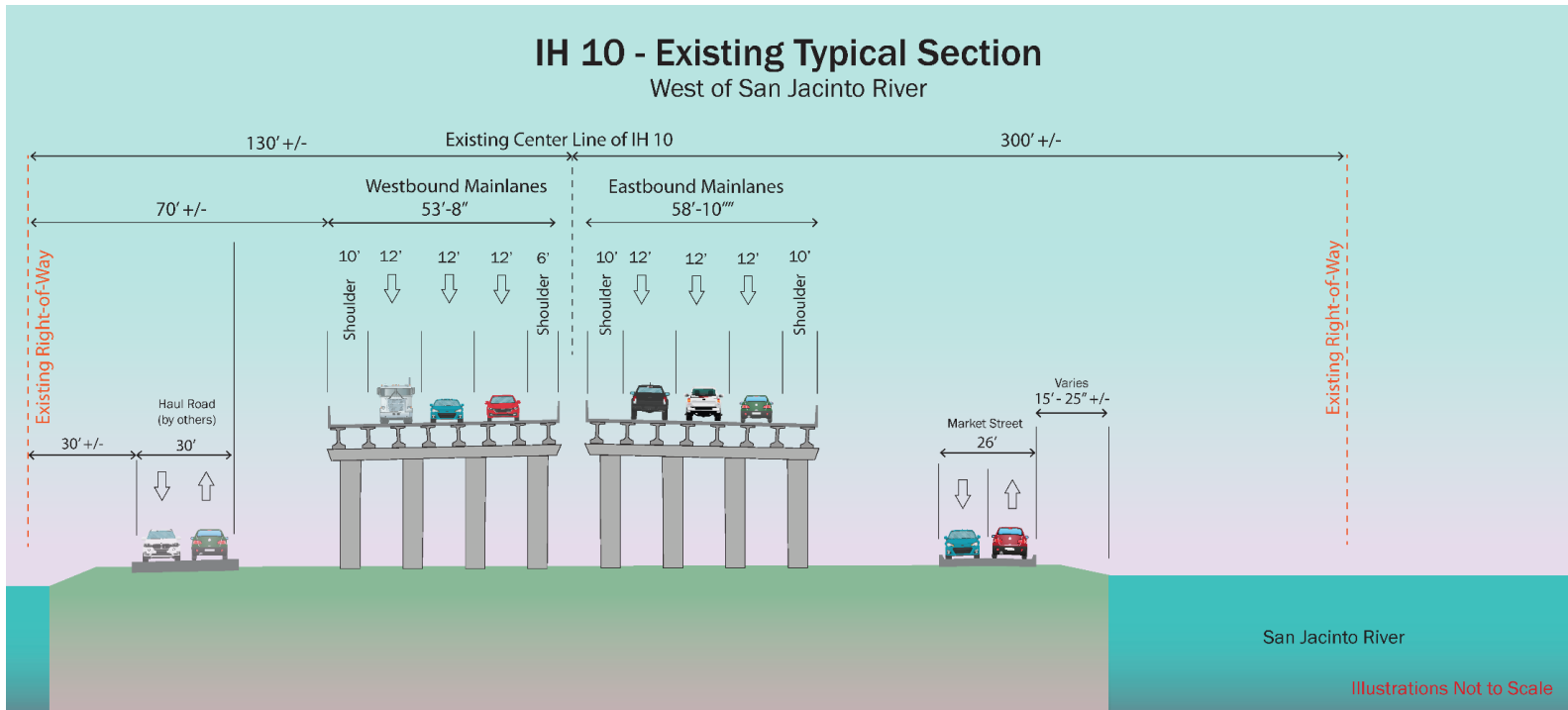
Please reference the project number shown on the first page in all communication.

Next Steps



Existing Roadway

The image below represents a cross-section view of the roadway as it is today. The roadway mainlane and frontage roads vary in number and configuration but at this location just west of the river crossing, the roadway consists of three 12-foot travel lanes with 6 to 10-foot shoulders in each direction, Market Street consisting of two 13-foot travel lanes, and a 30-foot haul road, maintained by others. The right-of-way varies throughout the corridor as well.

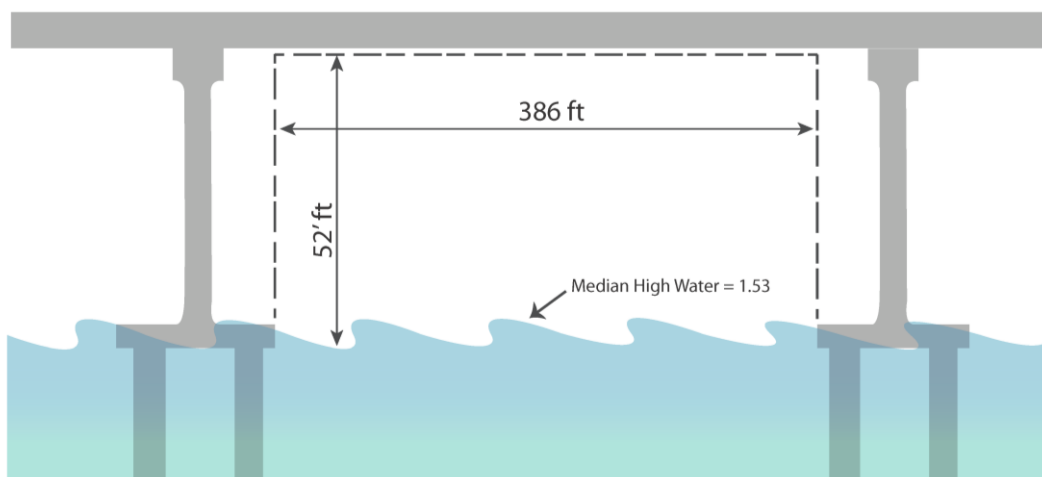


The Texas Department of Transportation (TxDOT) commits to purposefully involve the public in planning and project implementation by providing for early, continuous, transparent and effective access to information and decision-making processes.

Proposed Bridge Clearance

The proposed bridge will have a 52-foot vertical clearance and 386-foot horizontal clearance. The U.S. Coast Guard has authorized the proposed bridge opening, also referred to as the navigational envelope.

Navigation Opening IH 10 at San Jacinto River



Illustrations Not to Scale

Proposed Roadway

The image below represents a cross-section view of how the road would look after construction of the proposed project. The proposed project would consist of three separate bridge structures and would widen the mainlanes from three 12-foot travel lanes to five, 12-foot travel lanes and a 12-foot auxiliary lane on the west-bound side and from three 12-foot travel lanes to five 12-foot travel lanes on the east-bound side. There would be 12-foot-wide outside shoulders and 10-foot-wide inside shoulders on both west and east-bound travel lanes. Four 12-foot managed lanes, two in each direction, would be between the east-bound and west-bound mainlanes with a 5-foot barriered separation and 10-foot outside shoulders Market Street and the haul road would remain unchanged at this specific location, just west of the San Jacinto River. Approximately 5.4 acres of new right-of-way would be required for the proposed project.



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