



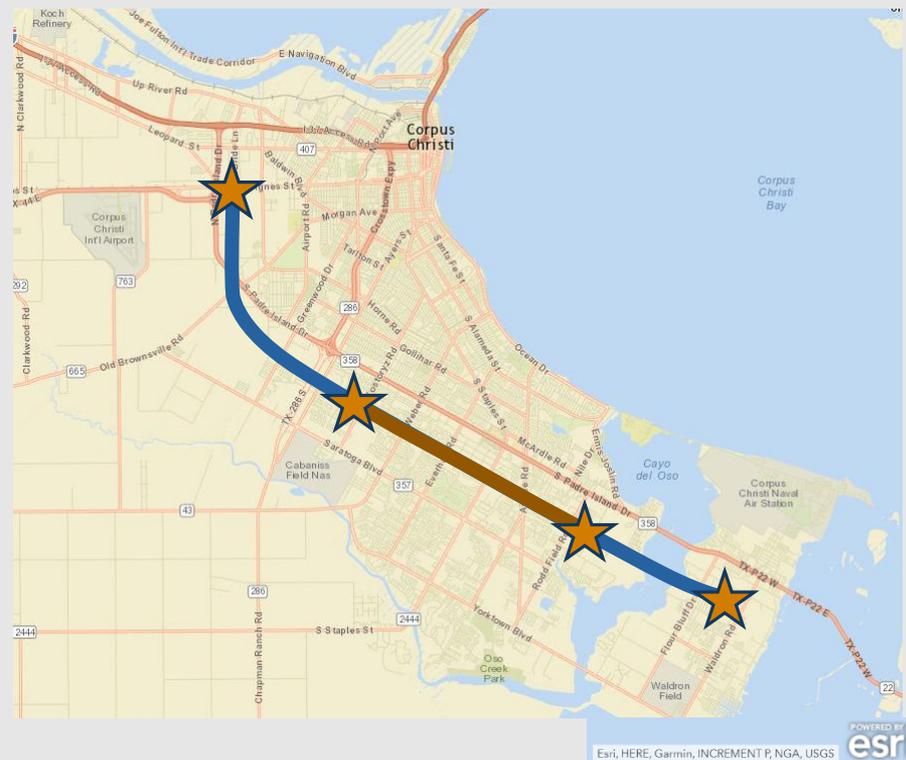
# SH 358 IMPROVEMENTS

Corpus Christi District



# Project Overview

- Length: 15 miles
- Total cost: \$49.96 million
- Mainlane improvements from north of Leopard Street to east of Flour Bluff Drive:
  - Install new lighting
  - Install Intelligent Transportation Systems (ITS), including traffic cameras
- Eastbound mainlane and frontage road improvements from Ayers Street to Nile Drive:
  - Reconstruct center median barrier
  - Widen freeway to improve capacity and mobility
  - Reverse ramps
  - Improve signal timing



# Project Phases and Timeline

The project is being constructed in 10 phases\*:

## Phase 1

Early 2018 – Summer 2018

## Phase 2

Spring 2018 – Summer 2020

## Phase 3

Fall 2018 – Summer 2020

## Phase 4

Summer 2019 – Summer 2021

## Phase 5

Early 2021 – Summer 2021

## Phase 6

Summer 2021 – Late 2021

## Phases 7-10

Late 2021 – Summer 2022



*\* Project phase time frames are based on Bay Ltd.'s latest schedule information and are subject to change.*

*ITS and eastbound frontage road signal improvements from north of Leopard Street to east of Flour Bluff Drive will be made throughout project duration.*

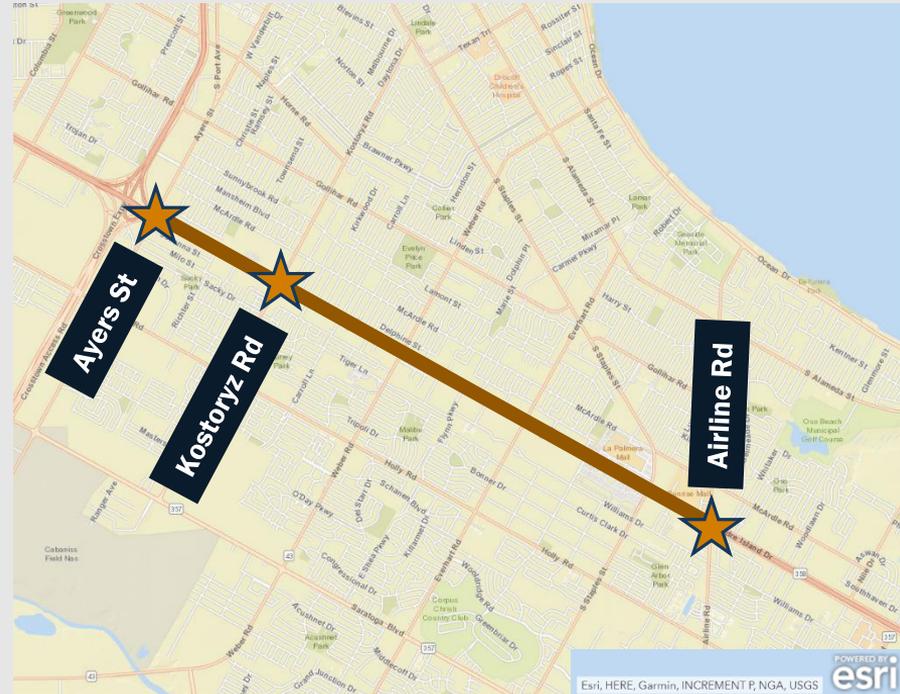
# Construction Sequencing – Phase 1 Overview

- Construct new temporary mainlane center median barrier from Ayers Street to Airline Road
- Widen eastbound frontage road and construct sidewalks between Ayers Street and Kostoryz Road



Left: Work to reconstruct the mainlane center median barrier.

Photo credit: TxDOT

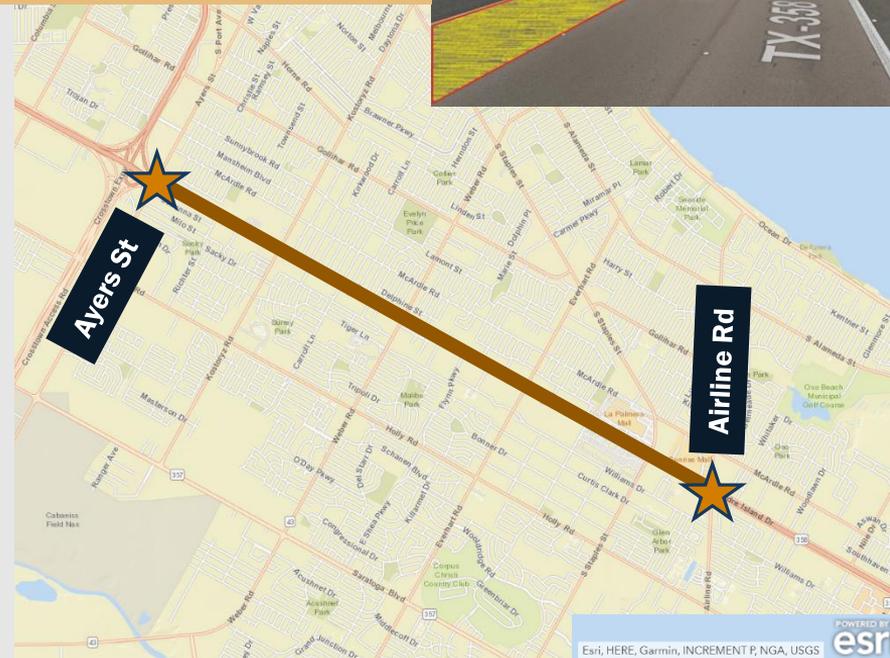


# Phase 1 – Mainlanes Between Ayers Street and Airline Road

- Remove existing center median barrier
- Reconstruct inside shoulders and add temporary center median barrier
- Purpose:
  - Accommodate future eastbound mainlane traffic shifts and permanent center median barrier

**COMPLETED**

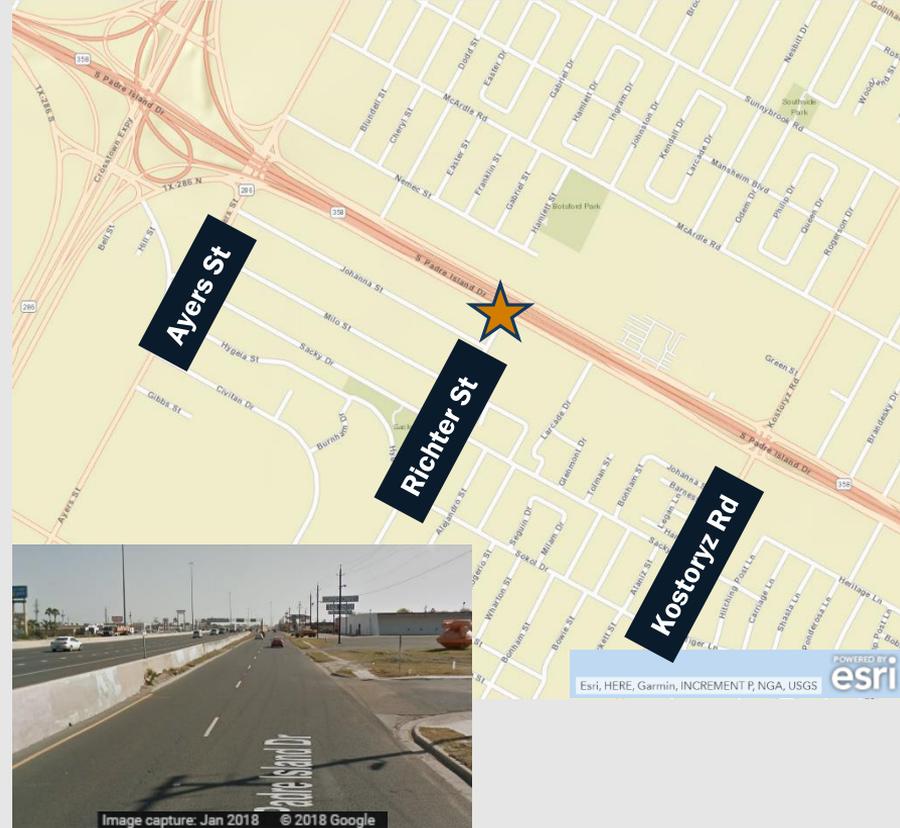
*Off-peak lane closures were required as the existing center median barrier was replaced with a temporary barrier and the inside shoulders were reconstructed.*



# Phase 1 – Eastbound Frontage Road near Richter Street

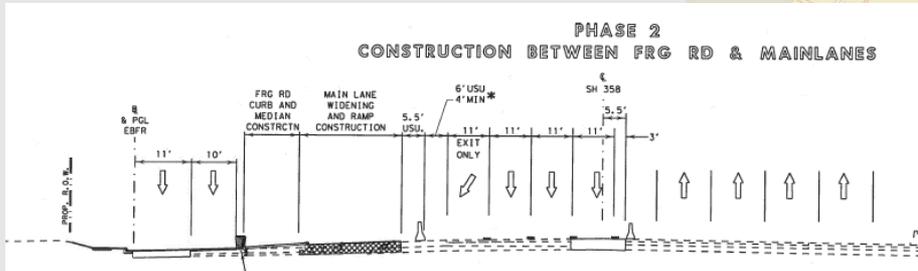
- Widen eastbound frontage road near future Kostoryz Road/Carroll Lane exit ramp:
  - Add new sidewalks and curbs/gutters
  - Add 3rd eastbound lane on frontage road east of Richter Street
- Purpose:
  - Accommodate future relocated exit ramp

**COMPLETED**



# Construction Sequencing – Phase 2 Overview

- Construct new eastbound exit ramp and remove existing exit ramp serving Kostoryz Road and Carroll Lane
- Widen eastbound frontage road and construct sidewalks in segments:
  - Between Kostoryz Road and Weber Road
  - Between Weber Road and Everhart Road
  - Between Everhart Road and South Staples Street
  - Near Airline Road



## Phase 2 – Eastbound Exit Ramp to Kostoryz Road/Carroll Lane

- Open new eastbound exit ramp serving Kostoryz Road and Carroll Lane:
  - New exit ramp located near Richter Street, west of existing exit ramp
  - Improve drainage along frontage road
  - Permanently close existing exit ramp
- Purpose:
  - Improve safety and mobility for eastbound mainlane and frontage road drivers approaching the Kostoryz Road intersection

**COMPLETED**



Left: New eastbound Kostoryz/Carroll exit ramp.  
Photo Credit: TxDOT

# Phase 2 – Eastbound Frontage Road Between Kostoryz Road and Weber Road

- Widen eastbound frontage road near existing ramps adjacent to Cosner Drive and Wilkinson Drive:
  - Add new sidewalks and curbs/gutters
  - Add 3rd eastbound lane on frontage road east of Wilkinson Drive
- Purpose: Accommodate future ramp reversal and widened eastbound mainlanes

**COMPLETED**

Right: New sidewalk, curb & gutter on eastbound frontage road between Kostoryz Road and Carroll Lane.

Photo Credit: TxDOT



## Phase 2 – Eastbound Frontage Road Between Weber Road and Everhart Road

- Widen eastbound frontage road near existing ramps adjacent to Oakhurst Drive and Embassy Drive:
  - Add new sidewalks and curbs/gutters
  - Extend 3rd eastbound lane on frontage road to/from freeway ramps
- Purpose: Accommodate future ramp reversal and widened eastbound mainlanes

**COMPLETED**



# Phase 2 – Eastbound Frontage Road Between Everhart and South Staples

- Widen eastbound frontage road near existing ramps adjacent to the Academy store and Moore Plaza shopping center:
  - Add new sidewalks and curbs/gutters
  - Extend 3rd eastbound lane on frontage road to/from freeway ramps
- Purpose: Accommodate future ramp reversal and widened eastbound mainlanes

**COMPLETED**



Left: New sidewalk, curb & gutter on the eastbound frontage road between Everhart Road and South Staples.

Photo Credit: TxDOT

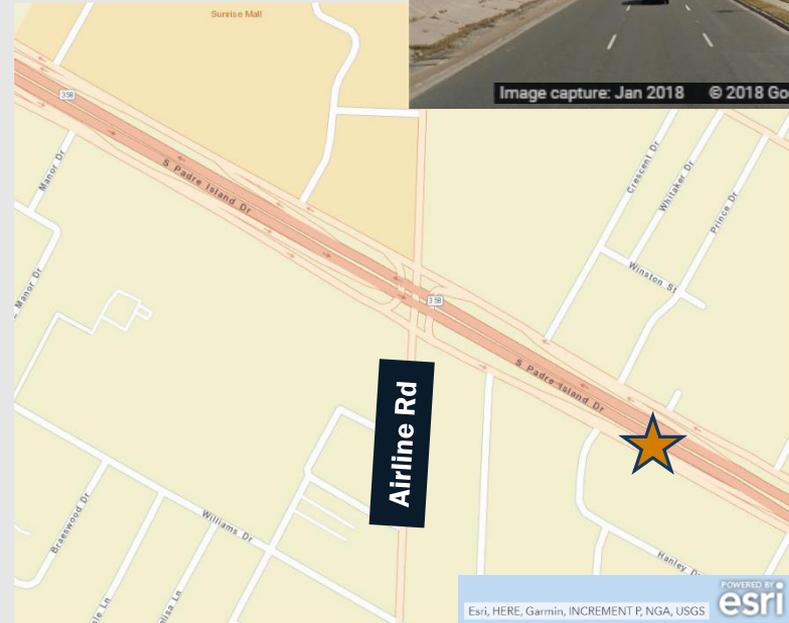


## Phase 2 – Eastbound Frontage Road Near Airline Road

- Widen and improve eastbound frontage road near existing Airline Road entrance ramp:
  - Add new sidewalks and curbs/gutters
  - Add new inlets and pipe to improve drainage at Airline Road intersection
- Purpose: Increase eastbound frontage road capacity and improve safety near Airline Road
- Anticipated closures:
  - Potential closures of eastbound frontage road and turnarounds for drainage improvements

The eastbound frontage road will be widened east of Airline Road.

Photo Credit: TxDOT



# Construction Sequencing – Phase 3 Overview

- Widen eastbound mainlane bridges to four lanes at Kostoryz Road and Carroll Lane
- Widen eastbound mainlanes and reconstruct median between the eastbound mainlanes and frontage road from Everhart Road to South Staples Street
- Widen eastbound frontage road and construct sidewalks between South Staples Street and Airline Road



*Left: New retaining walls help support an added fourth lane on the eastbound mainlanes.*

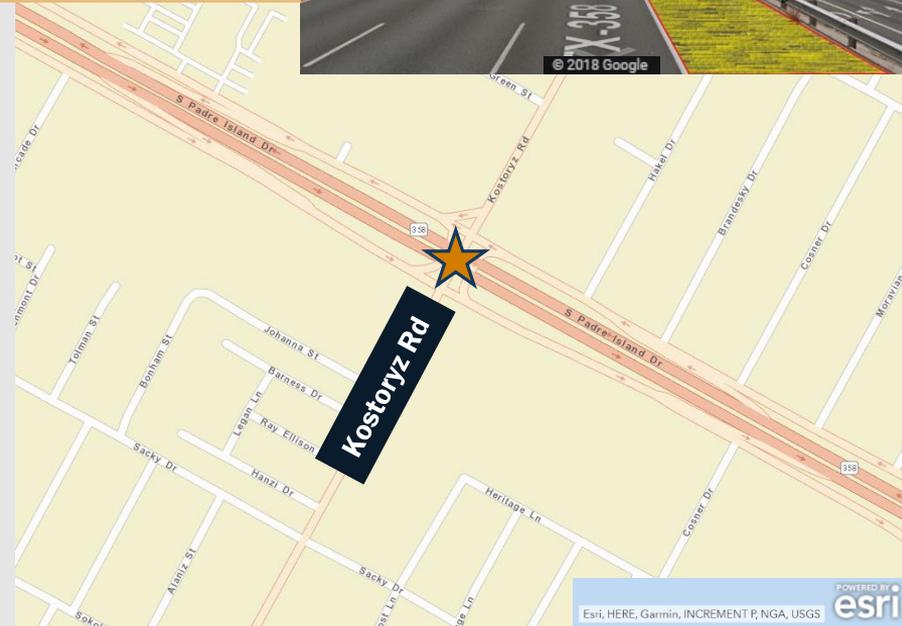
*Photo Credit: TxDOT*

# Phase 3 – Eastbound Mainlane Bridge at Kostoryz Road

- Widen eastbound mainlane bridge at Kostoryz Road
- Open new eastbound exit ramp
- Purpose: Accommodate four mainlanes

An additional eastbound mainlane has been added at the Kostoryz bridge.

Photo Credit: TxDOT



**COMPLETED**

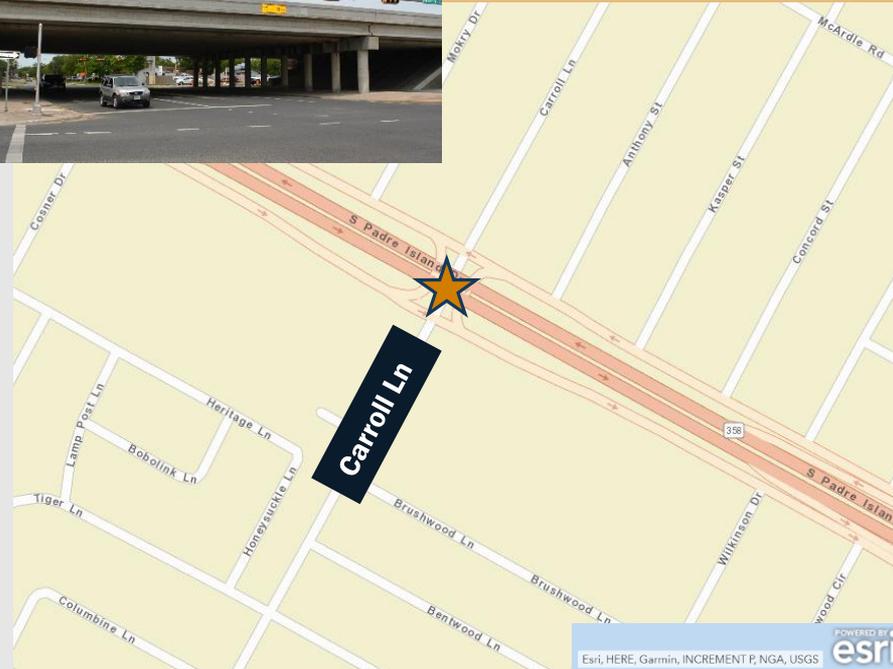
# Phase 3 – Eastbound Mainlane Bridge at Carroll Lane

- Widen eastbound mainlane bridge at Carroll Lane
- Purpose: Accommodate four mainlanes and prepare for Weber Road exit ramp relocation



An additional eastbound mainlane has been added at the Carroll bridge.

Photo Credit: TxDOT



**COMPLETED**

# Phase 3 – Eastbound Weber Road Exit Ramp

- Build new exit ramp farther west of existing exit ramp
- Improve drainage along frontage road
- Purpose: Improve safety and mobility for eastbound mainlane and frontage road drivers approaching the Weber Road intersection.
- Anticipated closures:
  - Closures of inside eastbound frontage road lane
  - Intermittent daytime and nighttime closures of the exit ramp for retaining wall work at Weber

The new Weber Road exit ramp opened in May 2020.

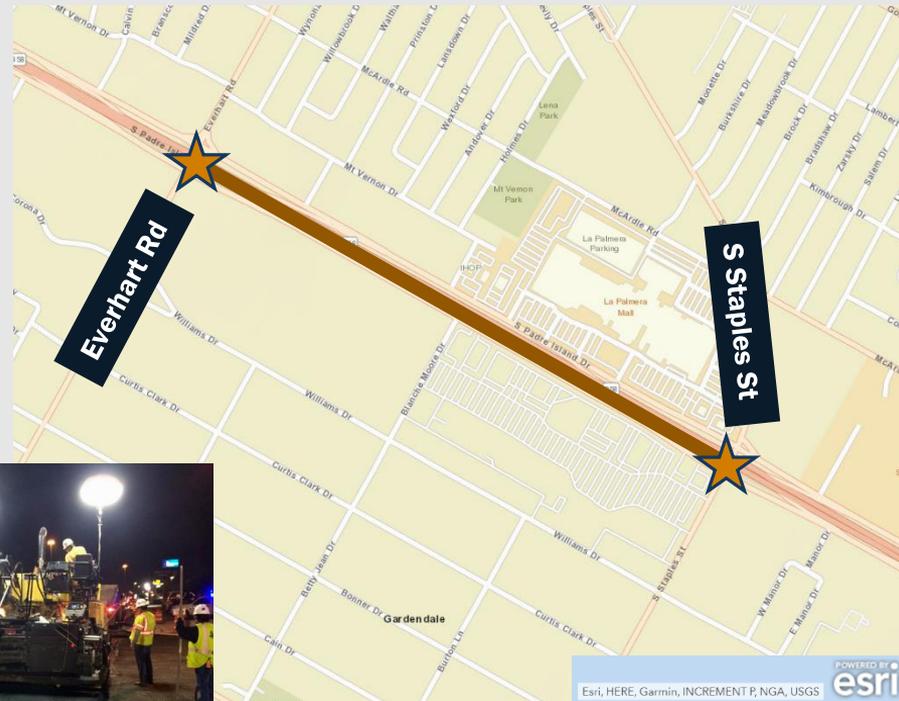
Photo Credit: TxDOT



# Phase 3 - Eastbound Mainlanes/Frontage Road from Everhart to South Staples

- Widen eastbound mainlanes, including drainage upgrades, between the two existing ramps adjacent to the Academy store and Moore Plaza shopping center
- Reconstruct median between the eastbound mainlanes and frontage road, including adding new curbs/gutters
- Install high-mast lighting
- Purpose: Accommodate future ramp reversal

**COMPLETED**



Left: Hot mix placement on eastbound frontage road near Everhart Road.

Photo Credit: TxDOT



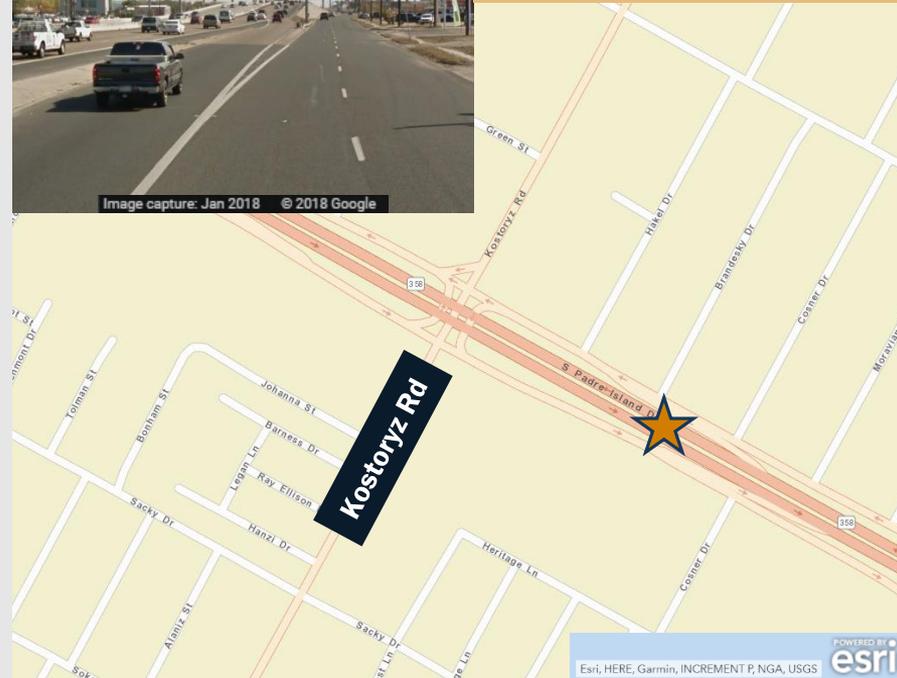


# Phase 4 – Eastbound Entrance Ramp from Kostoryz Road

- Reconstruct eastbound entrance ramp from Kostoryz Road:
  - Reconstruct median between mainlanes and frontage road, add new barriers and curbs/gutters
  - Improve drainage
- Purpose: Accommodate future widening of the eastbound mainlanes
- Anticipated closures and detours:
  - Temporary closure of existing entrance ramp
  - Temporary detour of eastbound Kostoryz Road freeway entrance ramp traffic to the entrance ramp after Carroll Lane and Weber Road



Left: Existing entrance ramp from Kostoryz Road will be reconstructed.

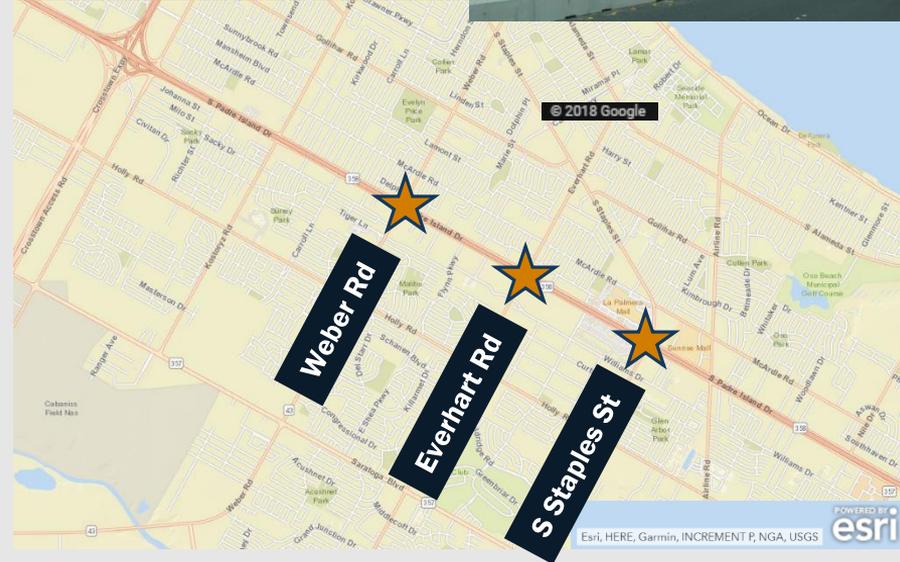


# Phase 4 – Mainlane Bridges at Weber, Everhart, and South Staples

- Widen eastbound mainlane bridges over Weber Road, Everhart Road, and South Staples Street
- Purpose: Accommodate four mainlanes on bridges
- Anticipated closures and detours:
  - Potential off-peak closure of each intersection and turnarounds as needed for bridge construction
  - Detours of frontage road traffic to adjacent intersections/turnarounds

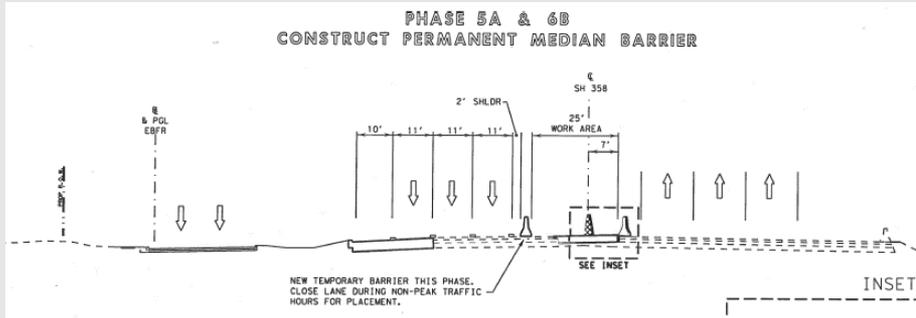
An additional lane has been added to the eastbound mainlane bridge at Everhart. Widening work continues at Weber (shown at right) and Staples.

Photo Credit: TxDOT



# Construction Sequencing – Phase 5A and 5B Overview

- Reconstruct mainlane shoulders and center median barrier between Ayers Street and Carroll Lane
- Construct temporary eastbound exit ramp to Everhart Road:
  - Note: this will not open until Phase 6
- Reverse ramps between Everhart Road and South Staples Street



# Phase 5A – Eastbound Mainlanes Between Ayers Street and Carroll Lane

- Reconstruct mainlane shoulders and construct permanent center median barrier
- Purpose: Accommodate four permanent eastbound mainlanes
- Anticipated Closures:
  - Off-peak closures of inside mainlanes



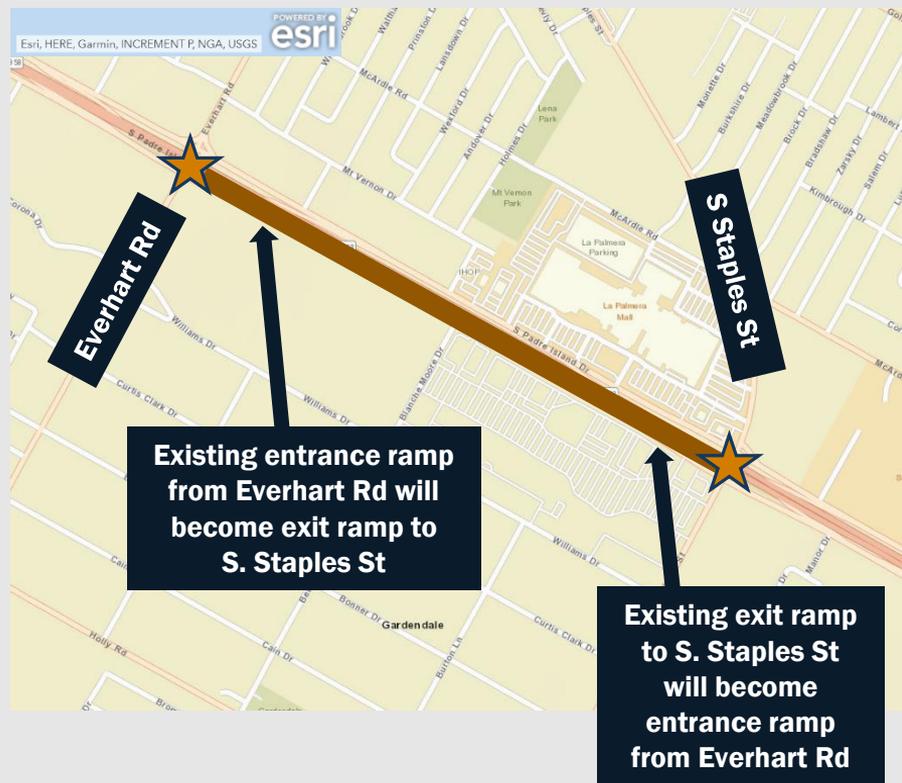
Left: Workers perform initial upgrades on the SH 358 mainlane bridges.

Photo credit: TxDOT



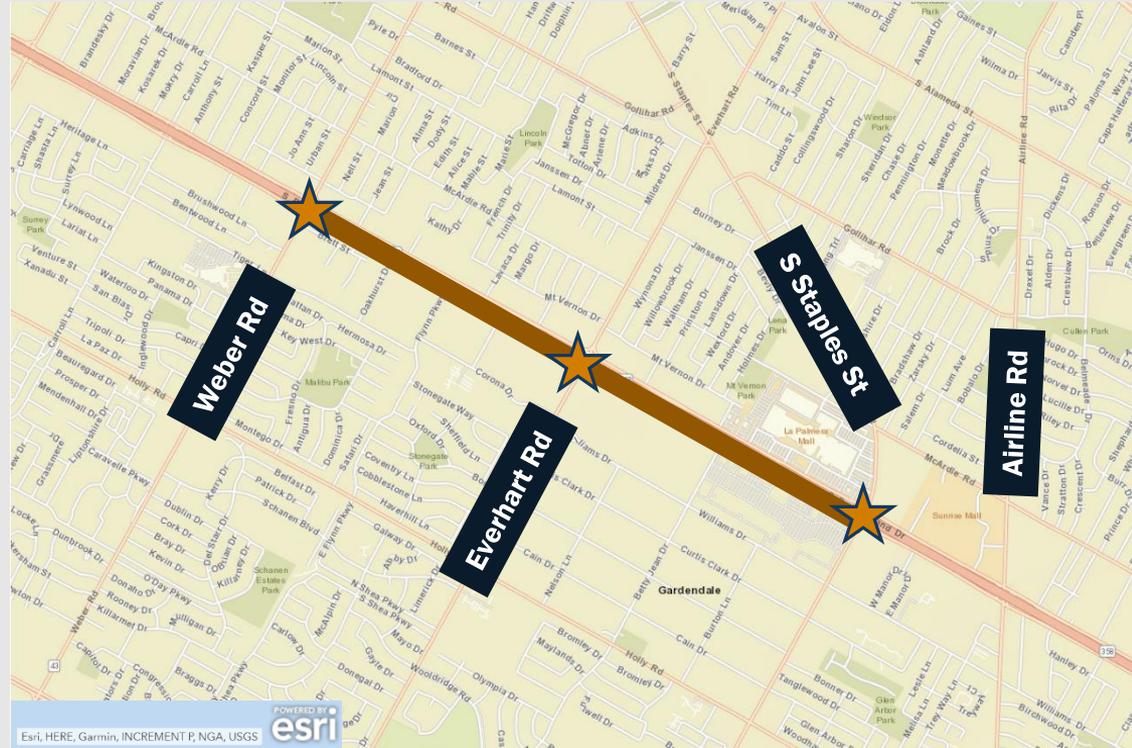
# Phases 5A/5B – Eastbound Ramps Between Everhart and South Staples

- Reverse eastbound ramps between Everhart Road and South Staples Street
- Purpose: Improve safety and mobility along the eastbound mainlanes and frontage road approaching the South Staples Street intersection
- Anticipated Closures and Detours:
  - Close existing eastbound entrance ramp from Everhart Road, and replace with new exit ramp to South Staples Street (Phase 5A)
  - Temporarily detour eastbound entrance ramp traffic to the ramp after South Staples Street (Phase 5A)
  - Close existing eastbound exit ramp to South Staples Street, and replace with new entrance ramp from Everhart Road (Phase 5B)
- Upon completion, traffic flow will resemble the existing westbound freeway ramps between South Staples Street and Everhart Road



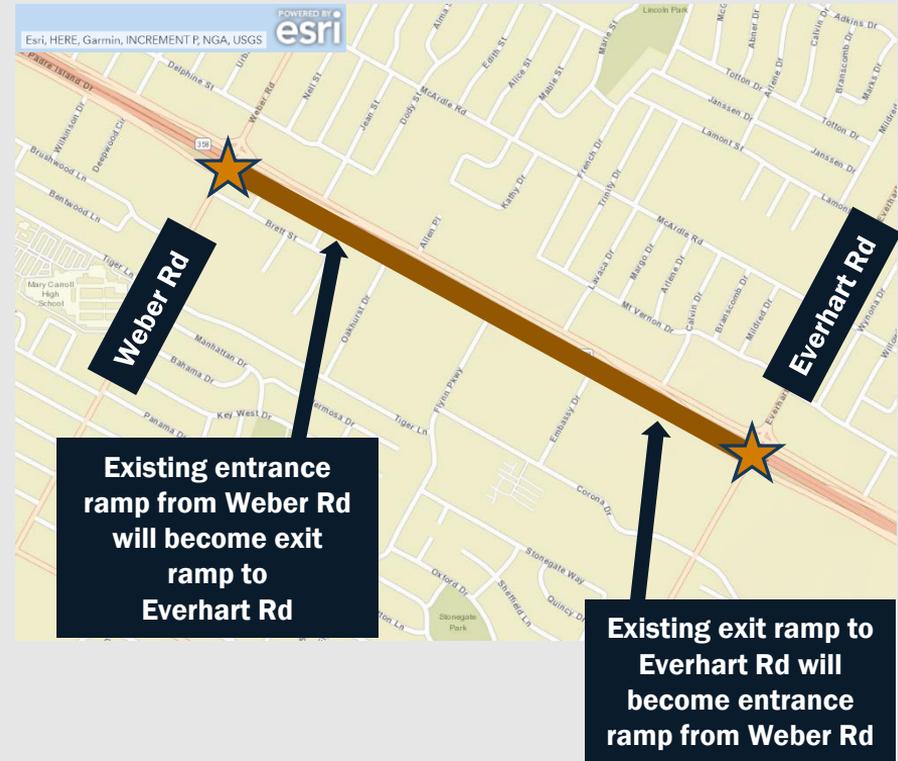
# Construction Sequencing – Phase 6A and 6B Overview

- Widen eastbound mainlanes and reconstruct median barrier between the eastbound mainlanes and frontage road from Everhart Road to South Staples Street (started in Phase 3)
- Reverse ramps between Weber Road and Everhart Road
- Reconstruct eastbound exit ramp to Airline Road in steps to avoid temporary detour



# Phase 6A – Eastbound Ramps Between Weber Road and Everhart Road

- Reverse eastbound ramps between Weber Road and Everhart Road
- Purpose: Improve safety and mobility along the eastbound mainlanes and frontage road approaching the Everhart Road intersection
- Upon completion, traffic flow will resemble the existing westbound freeway ramps between Everhart Road and Weber Road



# Phase 6A – Eastbound Ramps Between Weber Road and Everhart Road (cont.)

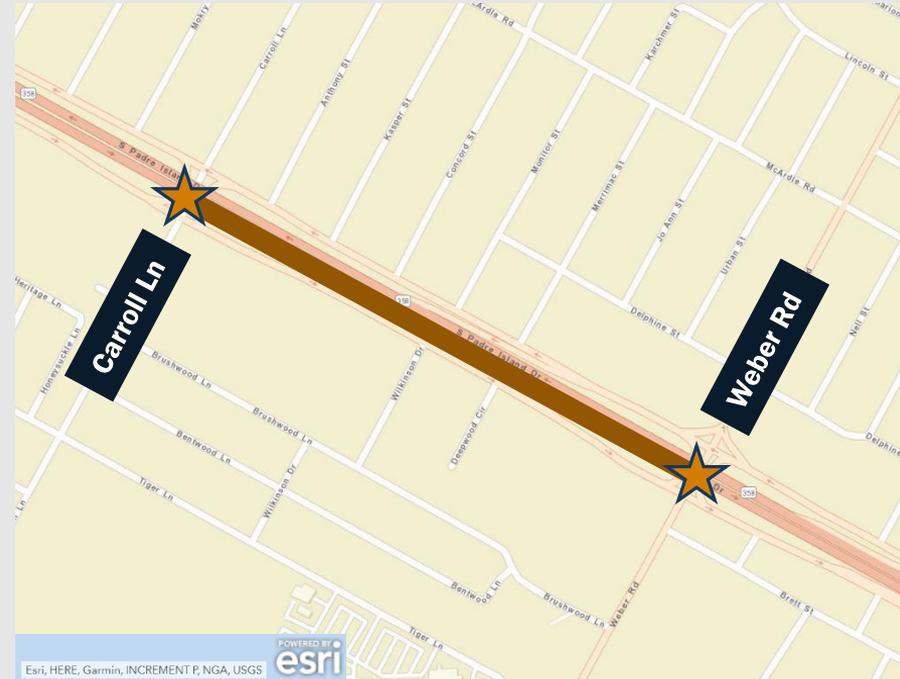
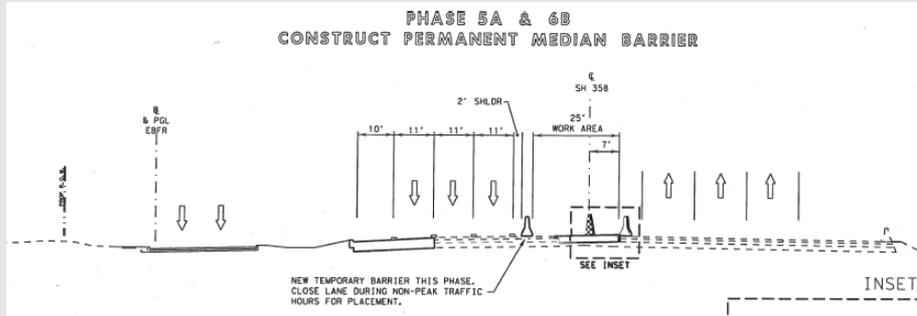
## Anticipated Closures and Detours:

- Close existing eastbound exit ramp to Everhart Road, diverting traffic to temporary exit ramp constructed in Phase 5A
- Construct new eastbound entrance ramp from Weber Road in the location of the former Everhart Road exit ramp and close existing eastbound entrance ramp from Weber Road, temporarily detouring traffic to new entrance ramp after Everhart Road
- Construct new eastbound exit ramp to Everhart Road in the location of the former Weber Road entrance ramp, and permanently shift traffic to it once complete



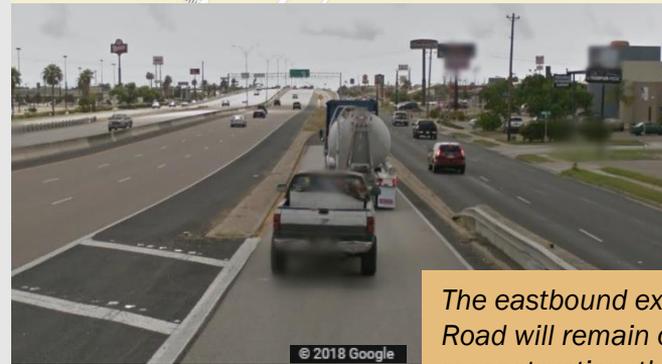
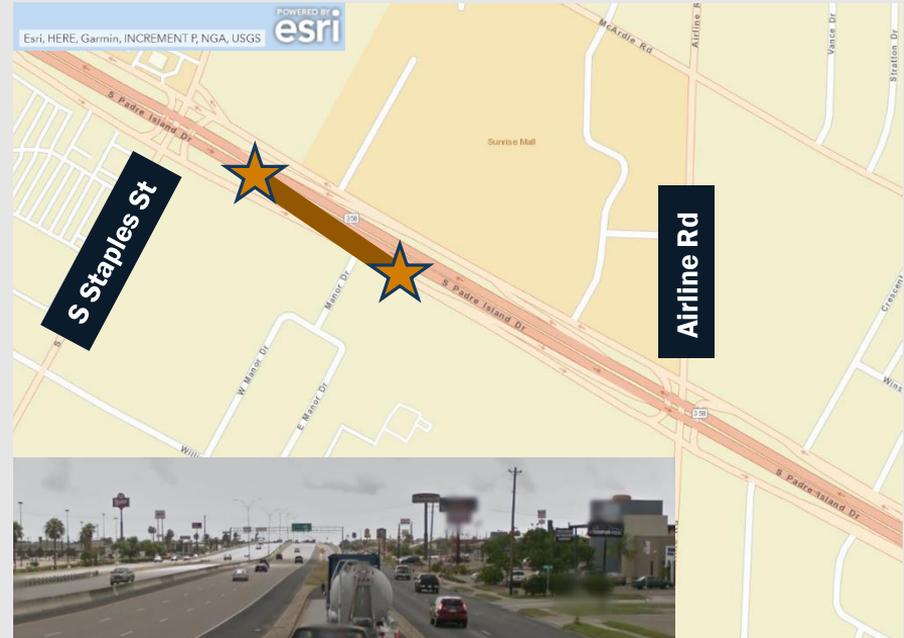
# Phase 6B – Eastbound Mainlanes Between Carroll Lane and Weber Road

- Reconstruct mainlane shoulders and construct permanent center median barrier
- Purpose: Accommodate four permanent eastbound travel lanes
- Anticipated closures:
  - Off-peak closures of inside mainlanes



# Phase 6B – Exit Ramp to Airline Road

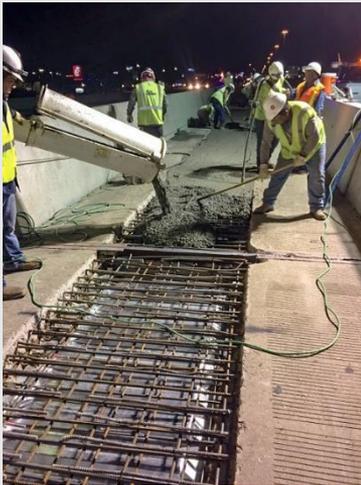
- Reconstruct eastbound exit ramp to Airline Road:
  - Add new curbs/gutters
  - Improve drainage
- Purpose: Improve safety and mobility for traffic exiting the freeway at Airline Road
- Anticipated Closures and Detours:
  - Periodic temporary closure of existing entrance ramp and frontage road lanes for new drainage pipe construction
  - Wide loads limited during staged ramp reconstruction
  - Alternate routes to be provided during any detours



*The eastbound exit ramp to Airline Road will remain open during reconstruction, though the ramp width will be temporarily narrowed.*

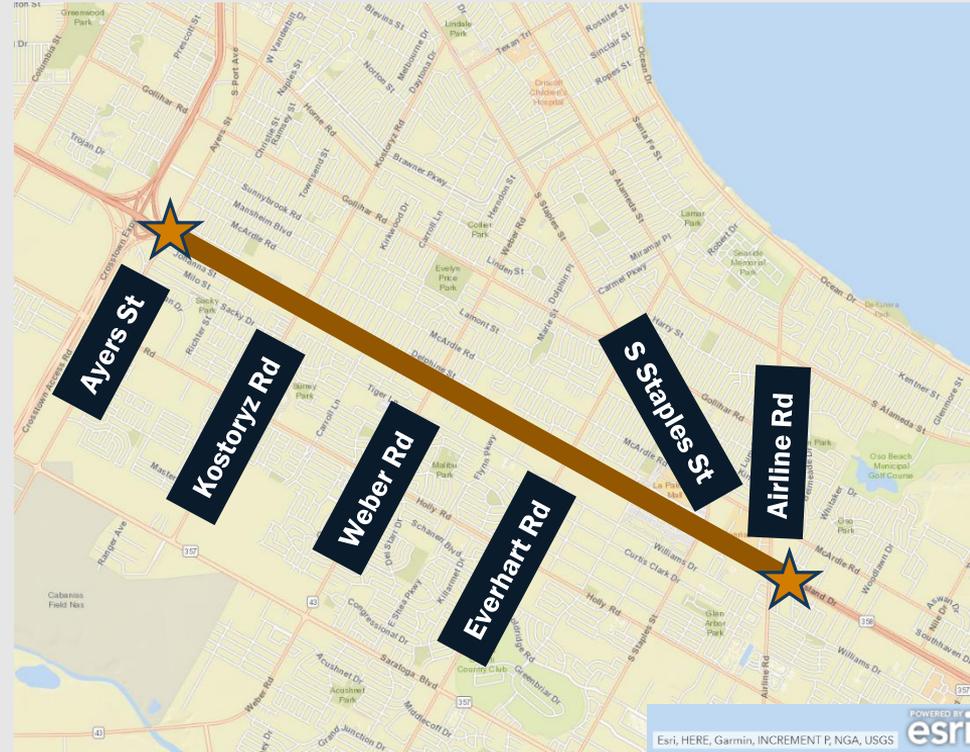
# Construction Sequencing – Phases 7A–7C Overview

- Complete mainlane shoulder and median barrier reconstruction from Weber Road to east of Airline Road
- Complete eastbound mainlane bridge rehabilitation from Kostoryz Road to Airline Road



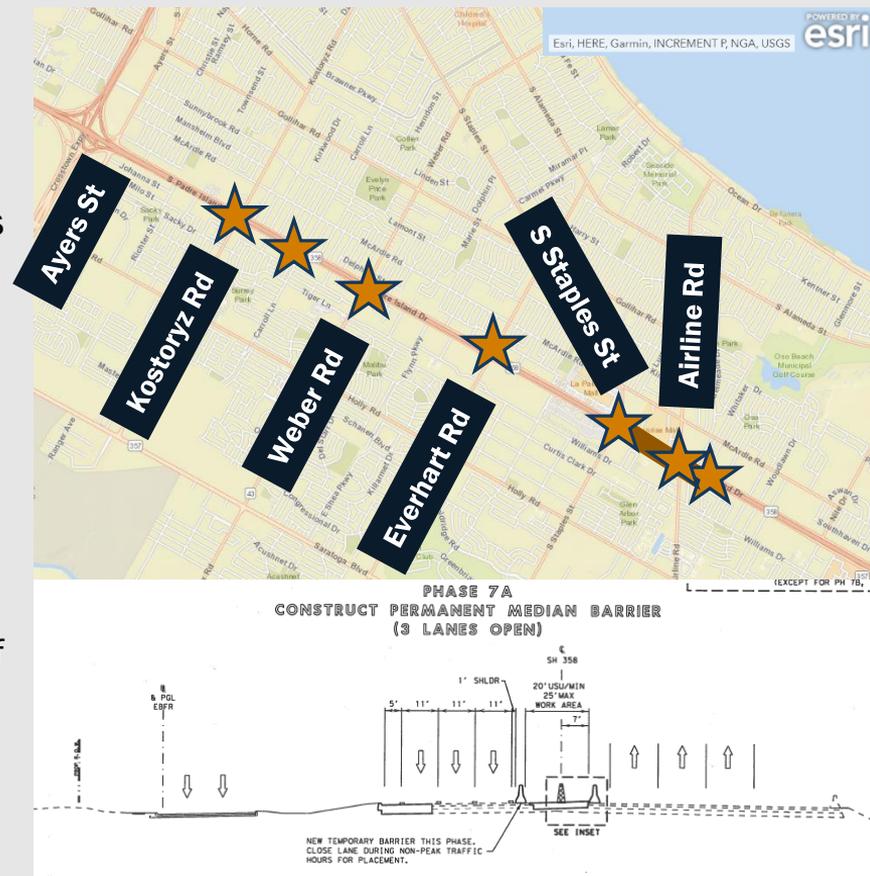
Left: Workers perform initial upgrades on the SH 358 mainlane bridges.

Photo credit: TxDOT



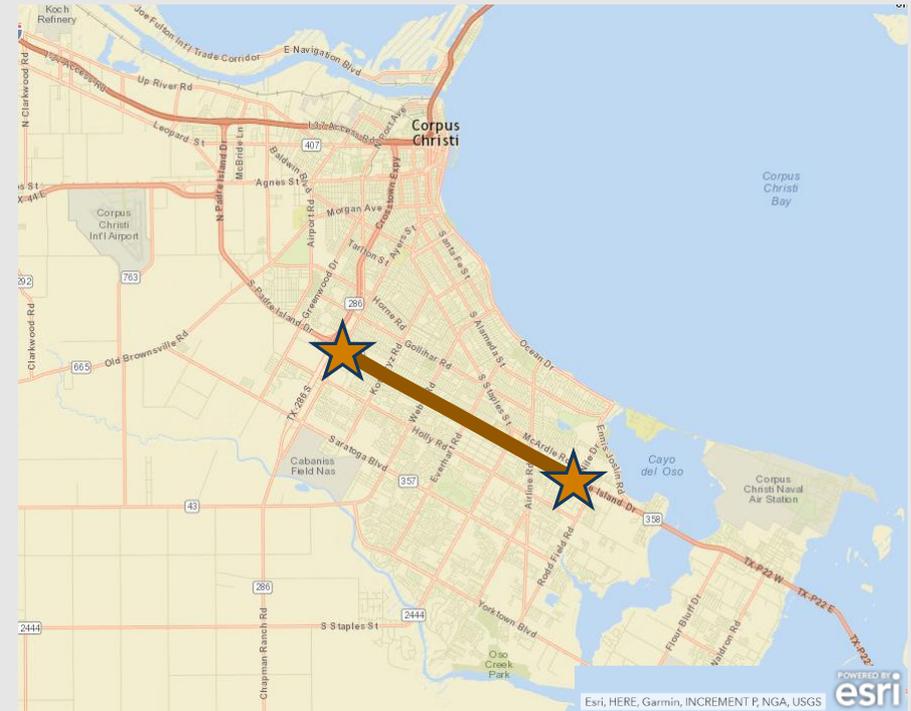
# Phases 7A–7C – Eastbound Mainlanes

- Reconstruct mainlane shoulders and construct permanent center median barrier between:
  - Weber Road and South Staples Street (Phase 7A)
  - South Staples Street and east of Airline Road (Phase 7B)
- Rehabilitate pavement on eastbound mainlane bridges at:
  - Kostoryz Road (Phase 7B)
  - Carroll Lane (Phase 7B)
  - Weber Road (Phase 7B)
  - Everhart Road (Phase 7B)
  - South Staples Street (Phases 7B and 7C)
  - Airline Road (Phase 7C)
- Purpose: Improve and accommodate four permanent eastbound travel lanes from Ayers Street to just east of Airline Road
- Anticipated Closures:
  - Off-peak closures of inside mainlanes



# Construction Sequencing – Phases 8–10

- Phase 8: Repave eastbound mainlanes between Ayers Street and Nile Drive
- Phase 9:
  - Install lane striping/markings on new eastbound mainlane pavement
  - Repave eastbound frontage road
- Phase 10:
  - Install lane striping/markings on new eastbound frontage road pavement
  - Perform project wrap-up duties



## About This Project

This transportation improvement project of the Texas Department of Transportation is funded with taxpayer dollars to improve safety and mobility and decrease congestion in Corpus Christi, the 8<sup>th</sup> largest city in Texas.

*Bay, Ltd. is the General Contractor. TxDOT is overseeing construction activities with construction management support by Consor.*



# Cross-Reference of Frontage Road Impacts near Major Intersections

- Improvements near Richter Street:
  - Slides [6](#), [8](#)
- Improvements near Kostoryz Road:
  - Slides [6](#), [8](#), [9](#), [14](#), [20](#)
- Improvements near Carroll Lane:
  - Slides [9](#), [15](#), [16](#), [20](#)
- Improvements near Weber Road:
  - Slides [9](#), [10](#), [16](#), [21](#), [26](#), [27](#)
- Improvements near Everhart Road:
  - Slides [10](#), [11](#), [17](#), [21](#), [24](#), [26](#), [27](#)
- Improvements near South Staples Street:
  - Slides [11](#), [17](#), [18](#), [21](#), [24](#), [29](#)
- Improvements near Airline Road:
  - Slides [12](#), [18](#), [29](#)

