SH 358 RAMP REVERSAL PROJECT

Martin C. Horst, PE – CC Area Engineer
SH0358 (S. Padre Island Dr.) Project Overview

FROM: East of Airline Rd.
TO: West of Richter St.

April 13, 2017
SH 358 Ramp Reversal Project Overview

- Converting SH 358 from a diamond <> interchange to an X interchange
- Work consists of “reversing the existing ramps” and EB SH 358 bridge widening.
- Estimated Cost: $38,717,762

Project Goals
- Manage congestion along SH 358 by adding capacity
- Eliminate congestion at ramps

SCOPE OF WORK...
SH 358 Project Scope

Widen existing EB mainlanes from 3 to 4 lanes
• Widening will require demo and reconstruction of overpass edges
• Widening will require demo of slope riprap and construction of retaining walls
Shift EB frontage road to construct 3rd frontage road accel/decel lane
SH 358 Project Scope

- Reverse Ramp layouts
  - Existing Exit Ramps will become Entrance Ramps
  - Existing Entrance Ramps will become Exit Ramps
Other items included on the project:

- Improve Median Barrier
- Add Safety Lighting
- Improve Traffic Signals
- Replace Small and Large Signs
- Improve ADA curb ramps and sidewalk
- Removal of drainage inlets & pipe
- Guardrail removal & installation
- Boring / trenching conduit installation
- Removal of Concrete Items such as:
  - C&G, riprap, sidewalk, driveways
SH 358 Ramp Reversal Project Overview

- 30,000 cu yd of excavation
- 38,000 cu yd of embankment
- 40,000 tons of HMAC
- 8,000 tons of UTBWC (Novachip)
- 9,000 lf of SSTR (rail)
- 80,000 sf of retaining walls
- 7,000 lf of drainage pipe
- 200 ea of drainage inlets, manholes, junction boxes
- 12,000 cu yd of riprap concrete
- 2,700 lf of concrete curb & gutter
Questions?