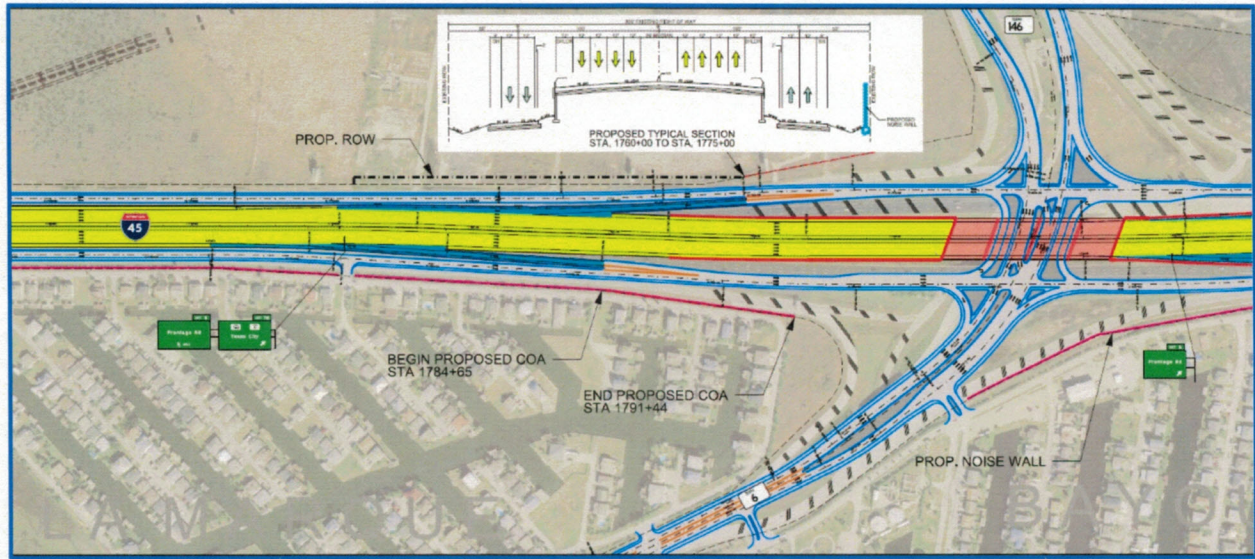


Galveston County IH-45 Widening Project

Status near Omega Bay Subdivision, La Marque, TX (01/20/2022)



Improvements Near Omega Bay Subdivision | I-45 from TCT Railroad to SH 6 Schematic (for presentation purposes only, final configuration may vary)

Project Description

TxDOT's IH-45 Widening between FM-519 and the Texas City Wye will reduce traffic congestion and improve evacuation capability during severe weather instances. The anticipated completion date is the summer of 2026. The improvements include:

- Widening the existing freeway main lanes from 3, to 4 lanes, in each direction
- Reconstruction of two-lane frontage roads, including new bridges over the Texas City Terminal RR (TCTRR)
- Reconstruction of Lake Rd/FM-519 & SH-6/SH-146 intersection, for improved accessibility
- Near Omega Bay: New storm sewer system including trunk line and ditch inlets upgrading the existing open ditch drainage. A 14-foot sound wall will be installed along the Right-of-Way line

Upcoming Closures | Temporary

Day-to-day temporary lane closures will occur outside of rush hours, during the day (9A – 3P) or during the night (9P – 5A), with infrequent ramp closures. Temporary total closures during typical traffic hours are performed with prior notice to the public, barring emergencies

Upcoming Long-Term Closures (subject to change)

Existing Southbound (SB) Entrance Ramp from Skimmer Rd.

- Status: Closed. This ramp is expected to remain closed for the next 1-2 months
- Reason: This area will reopen as a temporary southbound Exit Ramp to SH-6, to accommodate SB frontage road reconstruction immediately north of this location
- Detour: Residents can access IH-45 and SH-6 / SH-146 by turning left out of the main Omega Bay exit/entrance at Tarpon St.

South TCTRR U-turn & N Skimmer Access to SB Frontage Road

- Status: Expected to close this coming Spring
- Reason: To accommodate construction of the frontage roads/bridges over the TCTRR and in front of the subdivision
- Detour: Residents will need to use the existing main neighborhood entrance/exit on Tarpon St. to SH-6. This access is always maintained for the residents.

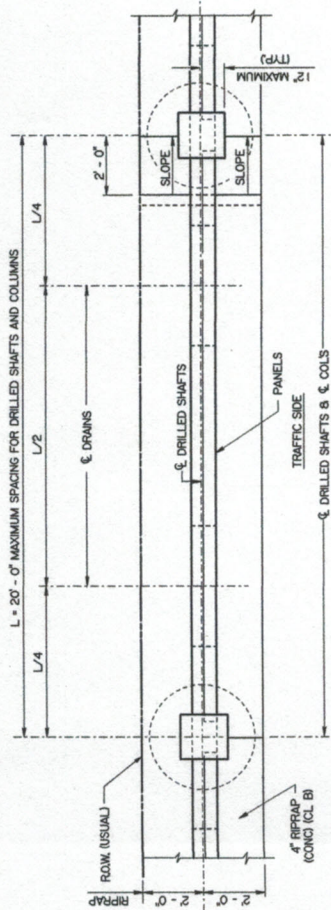
Stay Informed:

TxDOT Galveston Area Office: (409) 978-2500

• TxDOT Public Information Office: (713) 802-5076

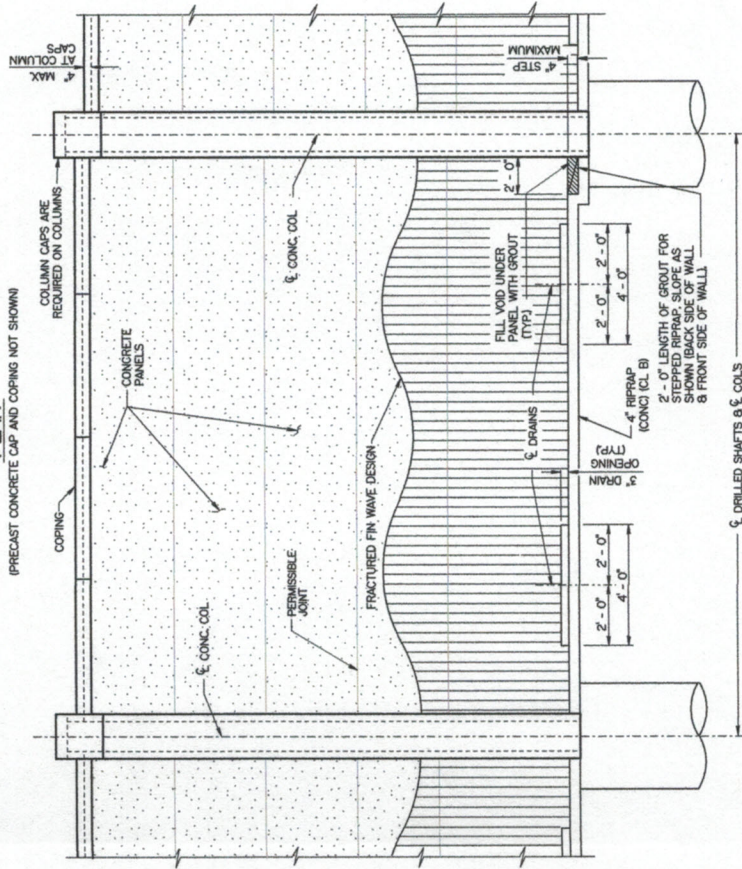
DRILLED SHAFT DESIGN

WALL HEIGHT	DRILLED SHAFT	LENGTH
	DIAMETER	



PLAN

PRECAST CONCRETE CAP AND COPING NOT SHOWN



ELEVATION

(SHOWN FOR SLOPING OR UNEVEN TERRAIN)

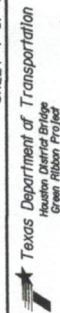
PLAN NOTES:

- GENERAL DESIGN THE SOUND WALL IN ACCORDANCE WITH CURRENT ASHTO GUIDE SPECIFICATIONS FOR STRUCTURAL DESIGN OF SOUND BARRIERS.
- SURFACE FINISH UNLESS OTHERWISE SHOWN IN PLANS, PROVIDE BRUSH CONCRETE OF ASHLAR GROUND FINISH FOR THE RESISTANCE SIDE OF THE SOUND WALL. PROVIDE FORMLINERS USED FOR TEXTURING MADE OF ONE PIECE. CONSTRUCTION JOINTS ARE NOT PERMITTED IN FORMLINERS.
- SEE SHEET 3 OF 3, SOUND WALL DETAILS, OR AS DIRECTED, FOR PAINT COLOR ON RESIDENTIAL AND FREEWAY SIDES.
- PRECAST CONCRETE SEGMENTS PRECAST SEGMENTS MAY BE CAST FULL HEIGHT. THE WALL MAY BE CAST MONOLITHICALLY WITH THE COLUMN. GROUT SEGMENTALLY PRECAST COLUMN JOINTS SMOOTH.
- STRUCTURAL STEEL GALVANIZE EXPOSED STEEL PARTS IN ACCORDANCE WITH THE ITEM "GALVANIZING PAINT GALVANIZED STEEL PER ITEM 446, GALVANIZED ANCHOR BOLTS MAY REMAIN UNPAINTED.
- LOADING DESIGN THE SOUND WALL TO WITHSTAND A MINIMUM WIND SPEED OF 100 MILES PER HOUR AND FOR EXPOSURE B2.
- CONNECTIONS DESIGN CONNECTIONS OF THE SOUND WALL TO THE FOUNDATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT ASHTO GUIDE SPECIFICATIONS. IN ADDITION TO OTHER LOAD COMBINATIONS SPECIFIED, ENSURE CONNECTIONS UTILIZING THREADED RODS OR ANCHOR BOLTS CONFORM TO THE REQUIREMENTS OF THE ITEM "ANCHOR BOLTS". ENSURE CONNECTIONS UTILIZING POSTTENSIONING CONFORM TO THE REQUIREMENTS OF THE ITEM "POSTTENSIONING". OTHER CONNECTIONS ARE ALLOWED EXCEPT PRESTRESSING USED TO TEMPORARILY SECURE THE WALL.
- REINFORCEMENT WIRE MESH MAY BE USED IN LIEU OF DEFORMED BARS IN PANELS.

NOTE TO DESIGNER:

- AT EACH STREET INTERSECTION, CAREFULLY EVALUATE THE SOUND BARRIER WALL LOCATION TO ENSURE COMPLIANCE WITH SIGHT DISTANCE REQUIREMENTS AS SPECIFIED IN THE CURRENT ASHTO POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS.
- THE MOST DESIRABLE LOCATION FOR A SOUND WALL IS JUST INSIDE THE RIGHT-OF-WAY OR OUTSIDE THE CLEAR ZONE WITH THE FACE OF THE SOUND WALL LOCATED 6' OR MORE FROM THE FACE OF CURB.
- PROVIDE RIPRAP BETWEEN THE FOOT AND BEACH OF SOUND BARRIER WALLS TO REDUCE FUTURE MAINTENANCE RIPRAP IS PAID FOR UNDER ITEM 432.
- THE DRILLED SHAFT DESIGN TABLE NEEDS TO BE FILLED IN BY THE DESIGNER. DRILLED SHAFTS ARE PAID FOR UNDER ITEM 416 "DRILLED SHAFTS".
- THIS SHEET MUST BE SIGNED AND SEALED BY THE DESIGN ENGINEER.
- PLACE SOUND WALLS SO AS NOT TO ALTER THE FLOW OF STORM WATER RUNOFF.

DELETE BEFORE SUBMITTAL

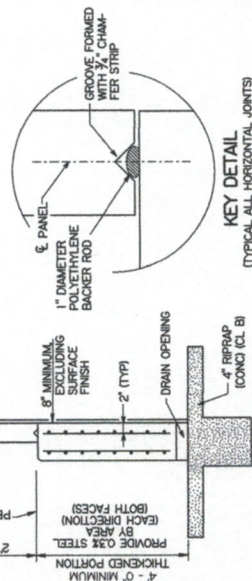


Houston District Bridge
Green Ribbon Project

SOUND WALL DETAILS WAVE SCHEME

SWD-WS

KEY DETAIL
(TYPICAL ALL HORIZONTAL JOINTS)



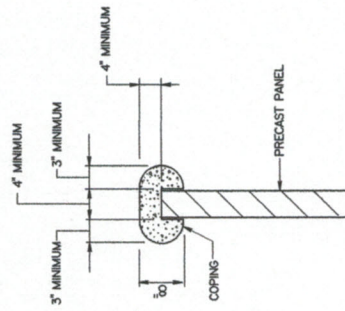
TYPICAL SECTION

4\"/>

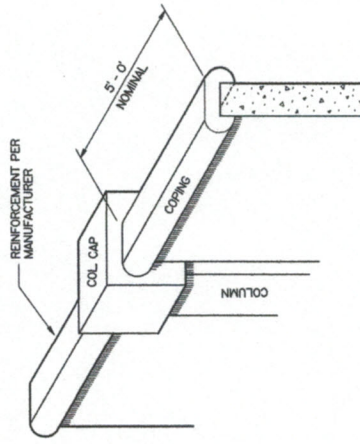
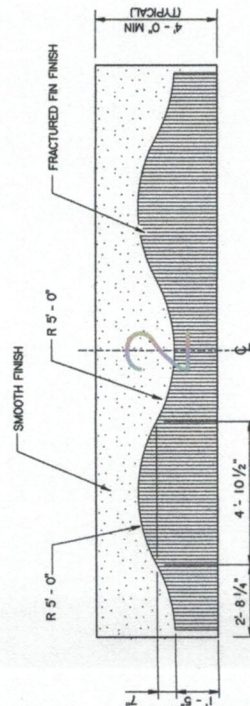
ELEVATION

(SHOWN FOR SLOPING OR UNEVEN TERRAIN)

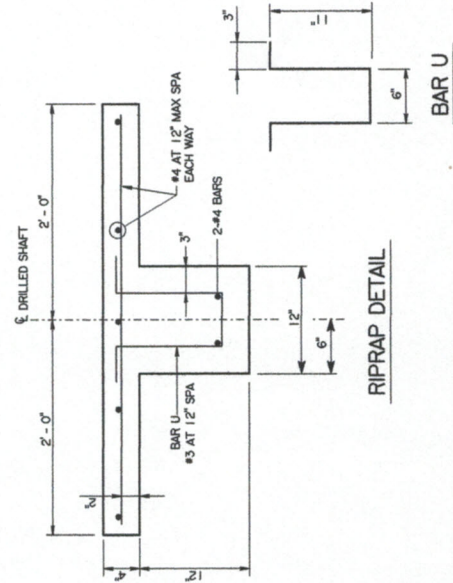
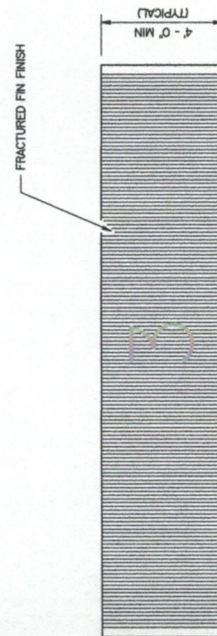
FILE NO.	3107.050A	DATE	10/07	BY	10/07	NO.	10/07
PROJECT NO.	4453	PROJECT NAME	HOUSTON DISTRICT BRIDGE	PROJECT LOCATION	HOUSTON DISTRICT BRIDGE	PROJECT DATE	10/07
DESIGNED BY	10/07	CHECKED BY	10/07	APPROVED BY	10/07	DATE	10/07
DATE	10/07	DATE	10/07	DATE	10/07	DATE	10/07



SECTION



N. T. S.



SWD-WS

SOUND WALL DETAILS

WAVE SCHEME

SHEET 2 OF 3



Texas Department of Transportation
Houston District Bridge
Green Ribbon Project

FILE#	ST047.DGN	DW TxDOT	CIV TxDOT	NEW TxDOT	CRS TxDOT
(C) TxDOT DEC 2010	DISTRICT/FED RES			PROJECT NO.	SHEET
12/2/2010 Unapproved plan!	HOUSTON E				4054
Green Requirements:	COUNTY			CONTROL SECT	HIGHWAY
6/2011 Approved BIDD	Nano Block				
	GALVESTON	SS&O	04	105, ETC.	38-45

FILED	STUJ.T.DGN	DATE TxDOT	BY TxDOT	CHK TxDOT	CS TxDOT
© TxDOT DEC 2010		DISTRICT	PROJECT NO.	SHEET	
REV 05/10/08		HOUSTON, 6			4055
12/20/10 Update border zone!		COUNTY	CONTROL	JOB	INCHES
Site requirements.			0500	04	1/8" = 1'
Notes: 1. All work to be done in accordance with the current Code of Ordinances.					
2. 2011 National Minteri Nono Bldg.					