



BRIDGE PERMIT

(7-17-8)

6 MAR 2018

WHEREAS by Title V of an act of Congress approved August 2, 1946, entitled "General Bridge Act of 1946," as amended (33 U.S.C. 525-533), the consent of Congress was granted for the construction, maintenance and operation of bridges and approaches thereto over the navigable waters of the United States;

AND WHEREAS the Secretary of Homeland Security has delegated the authority of Section 502(b) of that act to the Commandant, U. S. Coast Guard by Department of Homeland Security Delegation Number: 0170.1;

AND WHEREAS before construction is commenced, the Commandant must approve the location and plans of any such bridge and may impose any specific conditions relating to the construction, maintenance and operation of the structure deemed necessary in the interest of public navigation, such conditions to have the force of law;

AND WHEREAS the - STATE OF TEXAS - has submitted for approval the location and plans of a bridge to be constructed across the Gulf Intracoastal Waterway near Sargent, Texas;

NOW THEREFORE, This is to certify that the location and plans dated 27 February 2018 are hereby approved by the Commandant, subject to the following conditions:

1. No deviation from the approved plans may be made either before or after completion of the structure unless the modification of said plans has previously been submitted to and received the approval of the Commandant.

2. The construction of falsework, pilings, cofferdams or other obstructions, if required, shall be in accordance with plans submitted to and approved by the Commander, Eighth Coast Guard District, prior to construction of the bridge. All work shall be so conducted that the free navigation of the waterway is not unreasonably interfered with and the present navigable depths are not impaired. Timely notice of any and all events that may affect navigation shall be given to the District Commander during construction of the bridge. The channel or channels through the structure shall be promptly cleared of all obstructions placed therein or caused by the construction of the bridge to the satisfaction of the District Commander, when in the judgment of the District Commander the construction work has reached a point where such action should be taken, but in no case later than 90 days after the bridge has been opened to traffic.

3. Issuance of this permit does not relieve the permittee of the obligation or responsibility for compliance with the provisions of any other law or regulation as may be under the jurisdiction of any federal, state or local authority having cognizance of any aspect of the location, construction or maintenance of said bridge.

4. The location of, and materials to be used in construction of, the bridge protective system as shown on the approved plan sheets 2, 7, and 8 (of 8) dated 27 February 2018, shall be submitted to the District Commander for approval prior to commencing construction of such system.

5. Clearance gauges shall be installed and maintained in a good and legible condition by and at the expense of the owner of the bridge when so required by the District Commander. The type of gauges and the locations in which they are to be installed will be submitted to the District Commander for approval.

6. All parts of the existing to-be-replaced FM 457 Bridge across the Gulf Intracoastal Waterway, mile 418.0, not utilized in the new bridge, shall be removed down to a minimum of two feet below the natural ground line or mud line of the waterway. The waterway shall be cleared to the satisfaction of the District Commander. A period of 90 days subsequent to the opening to traffic of the new bridge, mile 418.0, will be allowed for such removal and clearance.

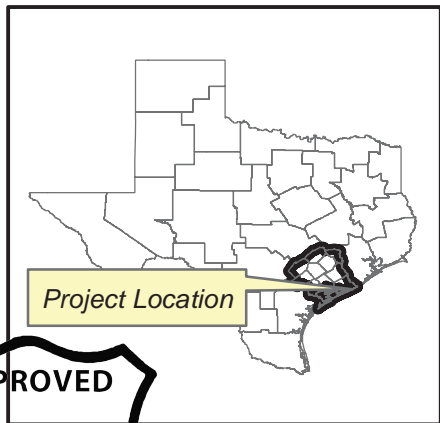
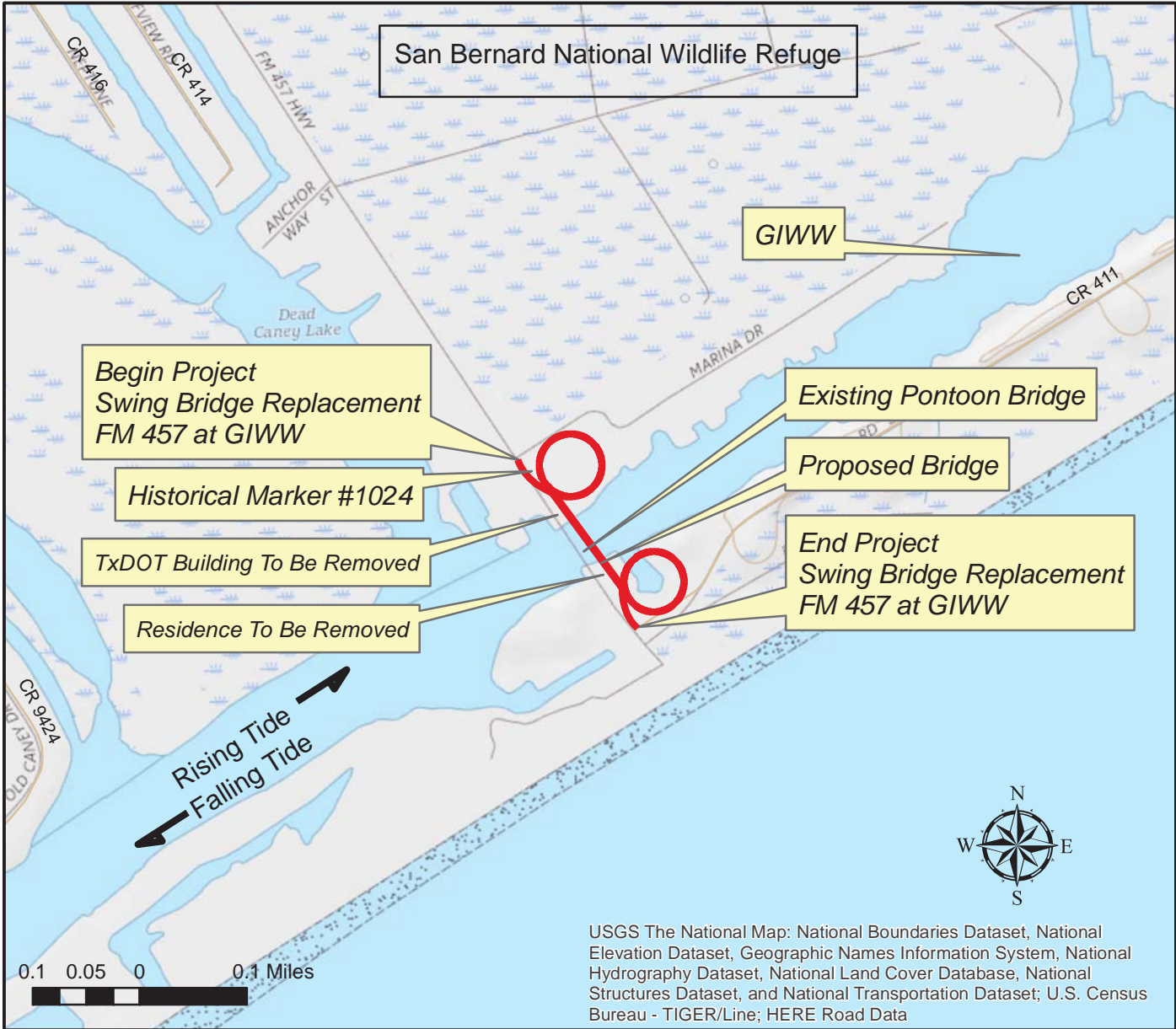
7. When the proposed bridge is no longer used for transportation purposes, it shall be removed in its entirety or to an elevation deemed appropriate by the District Commander and the waterway cleared to the satisfaction of the District Commander. Such removal and clearance shall be completed by and at the expense of the owner of the bridge upon due notice from the District Commander.

8. The approval hereby granted shall cease and be null and void unless construction of the bridge is commenced within three years and completed within five years after the date of this permit.



Brian L. Dunn
Chief, Office of Bridge Programs
U.S. Coast Guard
By direction of the Commandant

FM 457 Swing Bridge Replacement Vicinity Map



PROPOSED FM 457 BRIDGE OVER
GULF INTRACOASTAL WATERWAY AT MILE MARKER 418.0
NEAR SARGENT, MATAGORDA COUNTY, TEXAS

APPLICATION BY:
TEXAS DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 8
DATE: February 27, 2018



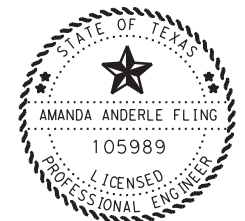
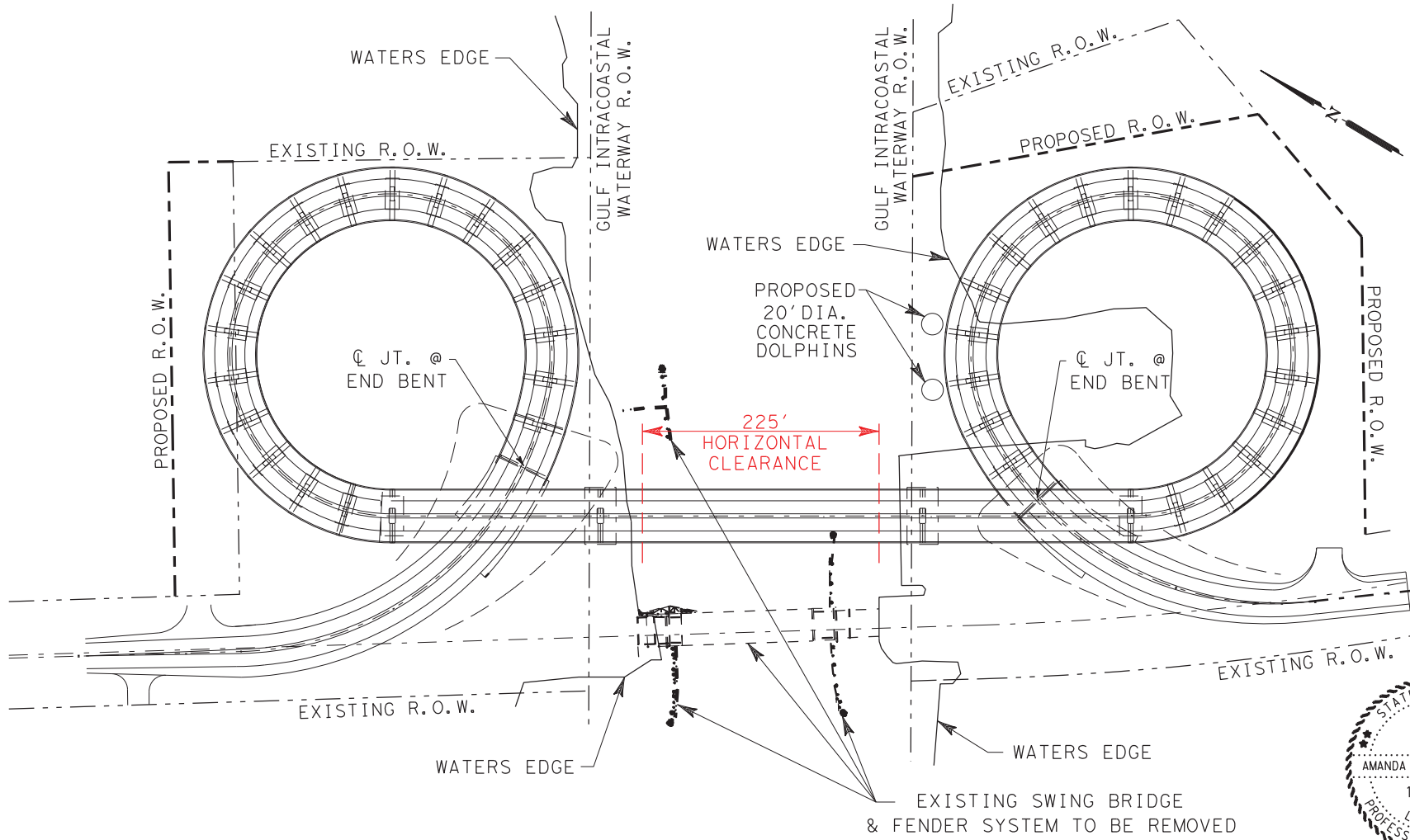
APPROVED

6-MAR-2018
P(7-17-8)

U.S.
COAST GUARD



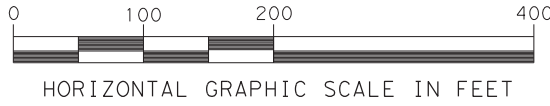
Amanda Anderle Fling, P.E.



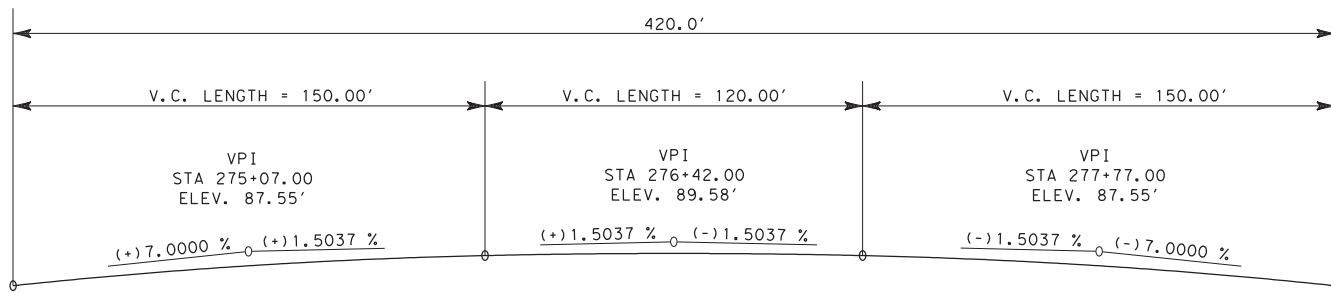
Amanda Anderle Fling, P.E.
 DISTRICT DESIGN ENGINEER 02/27/2018
 DATE

PROJECT LAYOUT

PROJECT LAYOUT

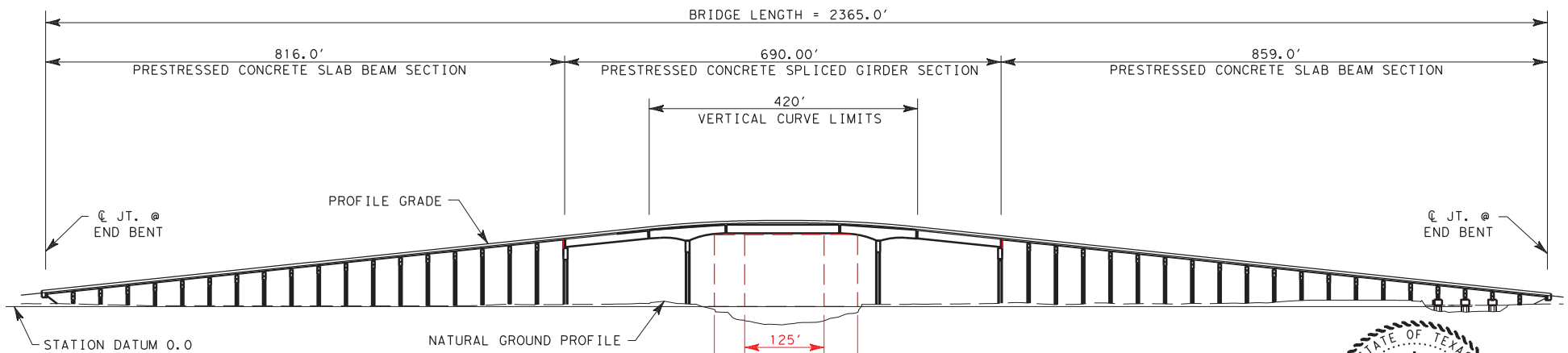


PROPOSED FM 457 BRIDGE OVER
 GULF INTRACOASTAL WATERWAY AT MILE MARKER 418.0
 NEAR SARGENT, MATAGORDA COUNTY, TEXAS
 APPLICATION BY:
 TEXAS DEPARTMENT OF TRANSPORTATION
 SHEET 2 OF 8 DATE: FEBRUARY 27, 2018

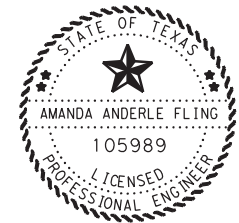
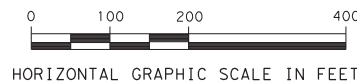


VERTICAL CURVE LIMITS

☉ EXISTING CHANNEL STA 276+34
 ☉ SPAN STA 276+42



ELEVATION
LOOKING EAST



Amanda Anderle Fling, P.E.

DISTRICT DESIGN ENGINEER

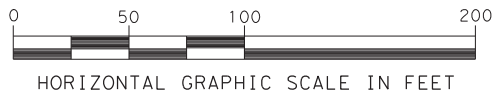
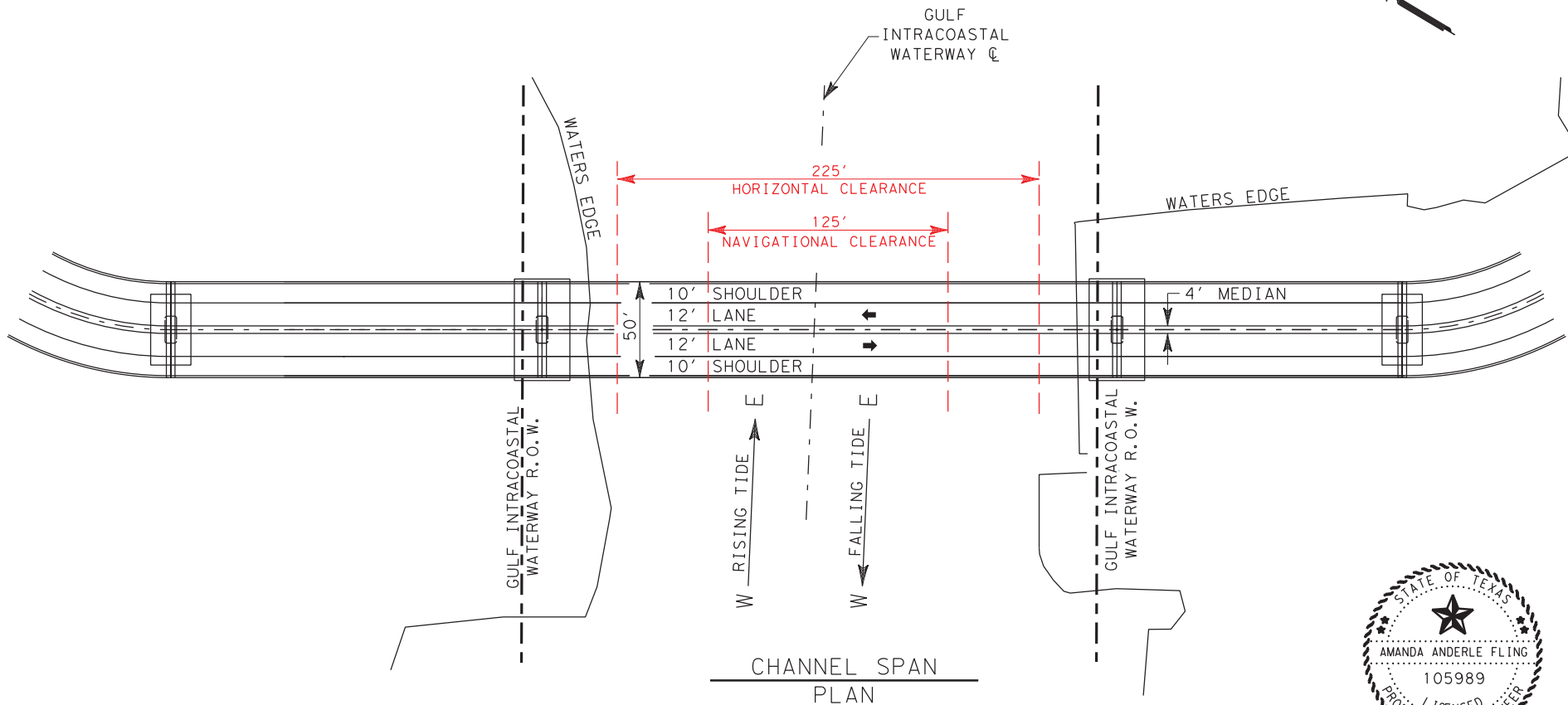
02/27/2018

DATE

ELEVATION
LOOKING EAST



PROPOSED FM 457 BRIDGE OVER
 GULF INTRACOASTAL WATERWAY AT MILE MARKER 418.0
 NEAR SARGENT, MATAGORDA COUNTY, TEXAS
 APPLICATION BY:
 TEXAS DEPARTMENT OF TRANSPORTATION
 SHEET 3 OF 8 DATE: FEBRUARY 27, 2018



Amanda Anderle Fling, P.E.

DISTRICT DESIGN ENGINEER 02/27/2018
DATE

CHANNEL SPAN

PROPOSED FM 457 BRIDGE OVER
GULF INTRACOASTAL WATERWAY AT MILE MARKER 418.0
NEAR SARGENT, MATAGORDA COUNTY, TEXAS
APPLICATION BY:
TEXAS DEPARTMENT OF TRANSPORTATION
SHEET 4 OF 8 DATE: FEBRUARY 27, 2018



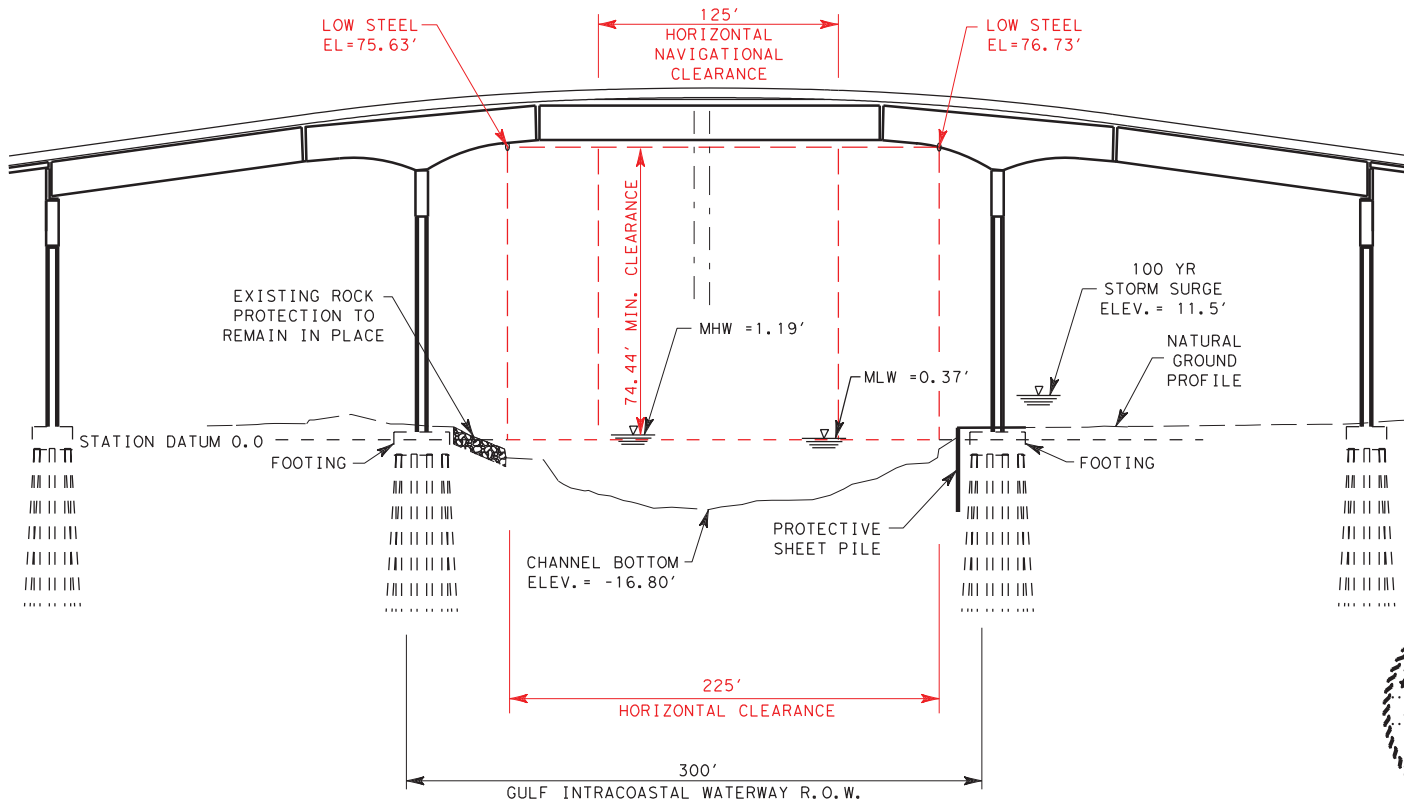
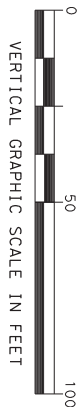


CL EXISTING CHANNEL STA 276+34
 CL SPAN STA 276+42

LOW STEEL
 EL=75.63'

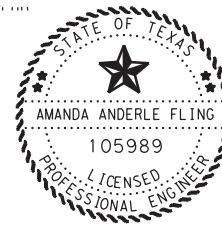
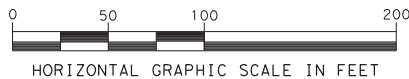
125'
 HORIZONTAL
 NAVIGATIONAL
 CLEARANCE

LOW STEEL
 EL=76.73'



WATER LEVEL ELEV. = 0.00' (MSL)
 1.19' (MHW)
 0.37' (MLW)

CHANNEL SPAN
 ELEVATION



Amanda Anderle Fling, P.E.

DISTRICT DESIGN ENGINEER

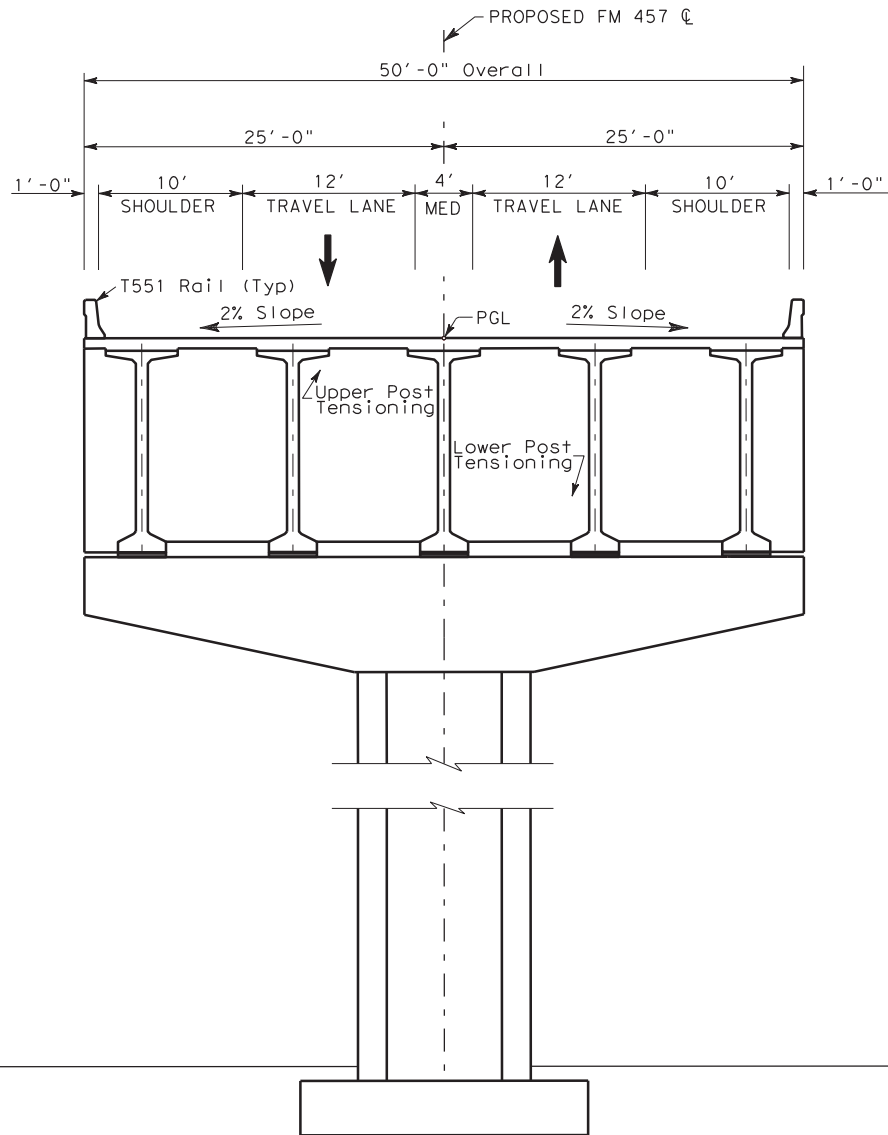
02/27/2018

DATE

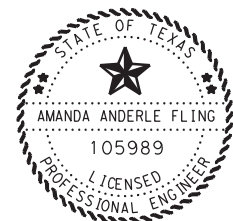
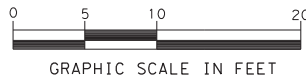
CHANNEL SPAN ELEVATION
 LOOKING EAST

NOTE:
 1) ALL HORIZONTAL AND VERTICAL CONTROL (NAVD88) IS BASED ON A REVISED NATIONAL GEODETIC SURVEY MARKER "DAVIES AZ" NGS MARKER "DAVIES AZ" (GRID): NORTH=13481198.10, EAST=3054645.10, ELEV.=12.85'

PROPOSED FM 457 BRIDGE OVER
 GULF INTRACOASTAL WATERWAY AT MILE MARKER 418.0
 NEAR SARGENT, MATAGORDA COUNTY, TEXAS
 APPLICATION BY:
 TEXAS DEPARTMENT OF TRANSPORTATION
 SHEET 5 OF 8 DATE: FEBRUARY 27, 2018



FM 457
SECTION AT MAIN SPAN



Amanda Anderle Fling, P.E.

DISTRICT DESIGN ENGINEER

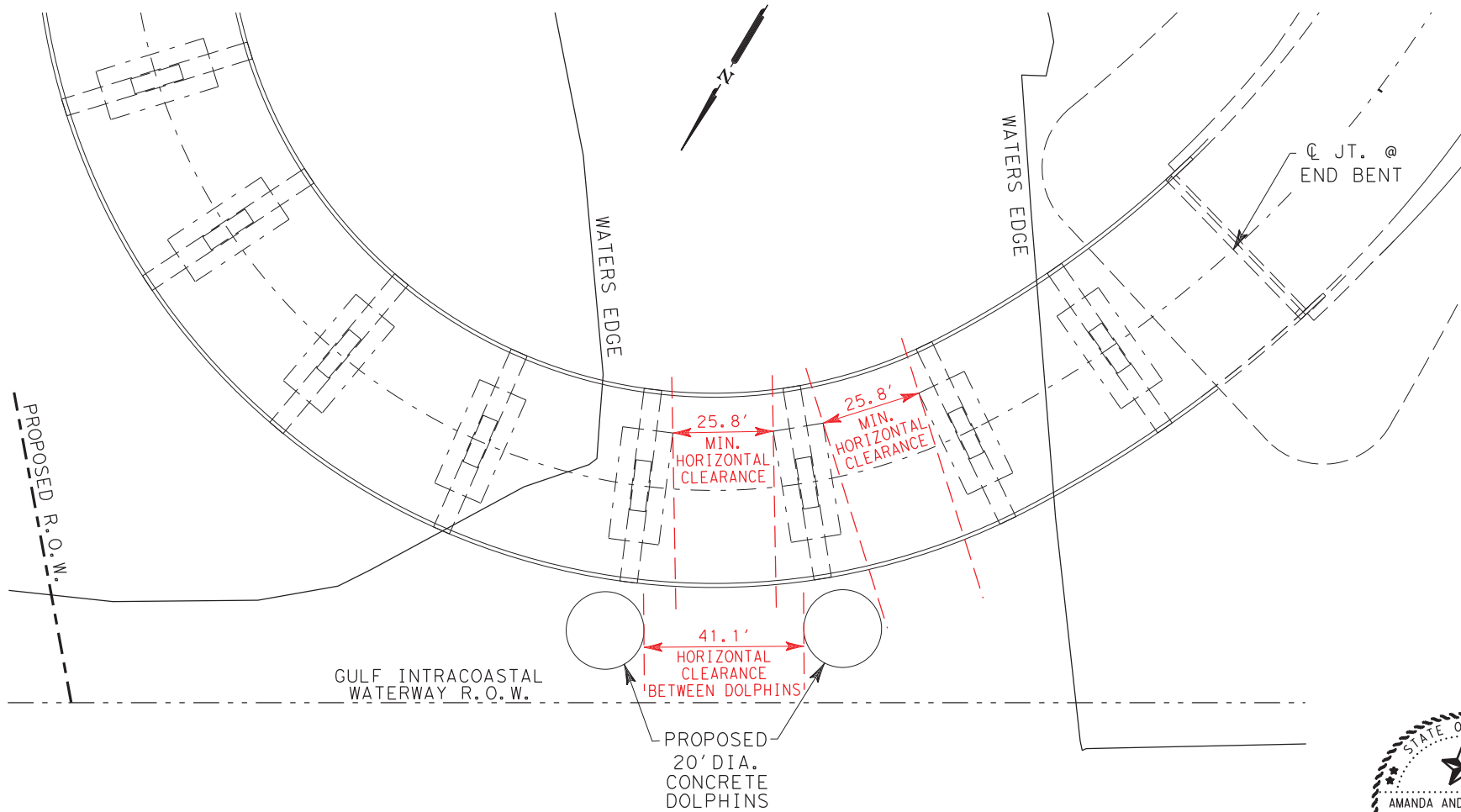
02/27/2018

DATE

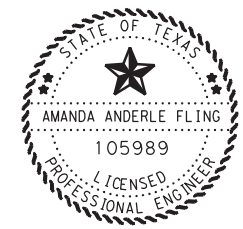
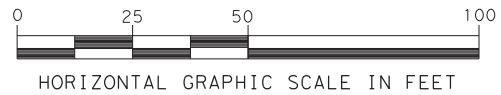
PROPOSED TYPICAL SECTION
MAIN SPAN
OVER GULF INTRACOASTAL WATERWAY

PROPOSED FM 457 BRIDGE OVER
GULF INTRACOASTAL WATERWAY AT MILE MARKER 418.0
NEAR SARGENT, MATAGORDA COUNTY, TEXAS
APPLICATION BY:
TEXAS DEPARTMENT OF TRANSPORTATION
SHEET 6 OF 8 DATE: FEBRUARY 27, 2018





INLET SPANS
PLAN



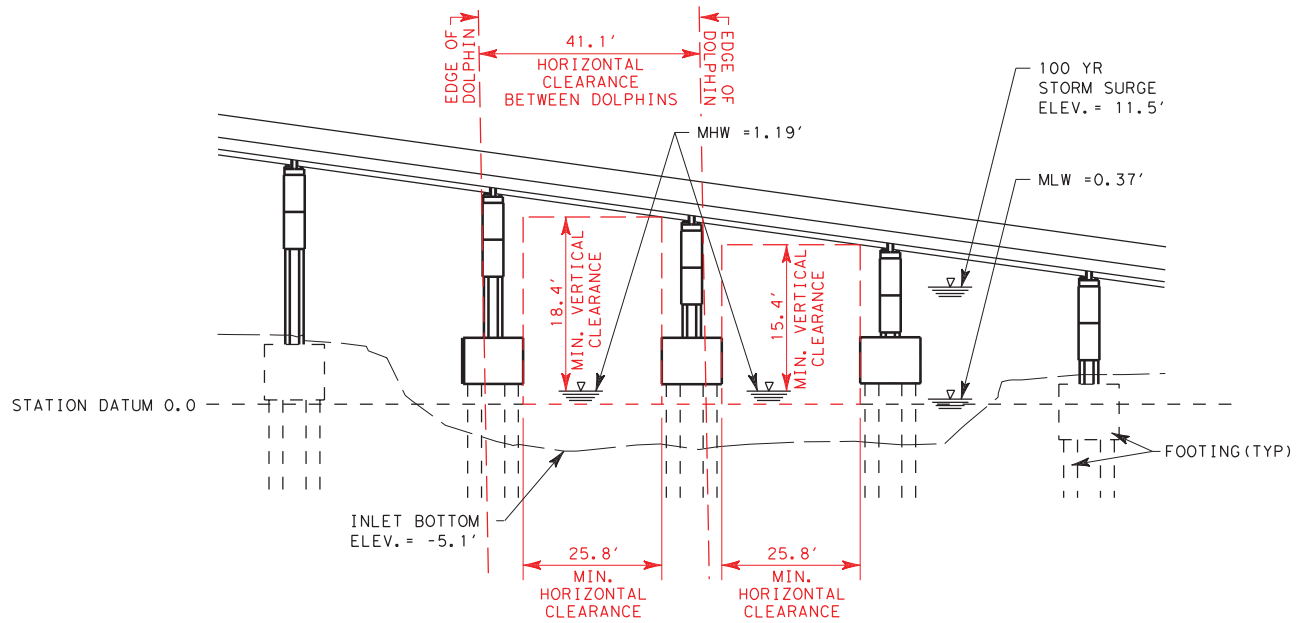
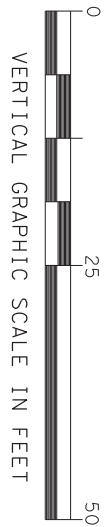
Amanda Anderle Fling, P.E.

DISTRICT DESIGN ENGINEER 02/27/2018
DATE

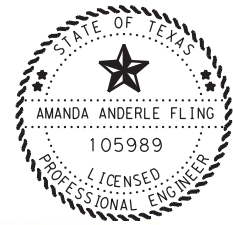
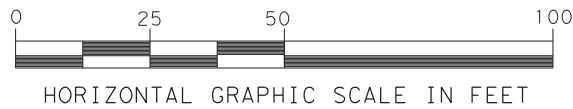
INLET SPANS

PROPOSED FM 457 BRIDGE OVER
GULF INTRACOASTAL WATERWAY AT MILE MARKER 418.0
NEAR SARGENT, MATAGORDA COUNTY, TEXAS
APPLICATION BY:
TEXAS DEPARTMENT OF TRANSPORTATION
SHEET 7 OF 8 DATE: FEBRUARY 27, 2018





INLET SPANS
ELEVATION



Amanda Anderle Fling, P.E.

DISTRICT DESIGN ENGINEER

02/27/2018

DATE

INLET SPANS ELEVATION
LOOKING SOUTH

PROPOSED FM 457 BRIDGE OVER
GULF INTRACOASTAL WATERWAY AT MILE MARKER 418.0
NEAR SARGENT, MATAGORDA COUNTY, TEXAS
APPLICATION BY:
TEXAS DEPARTMENT OF TRANSPORTATION
SHEET 8 OF 8 DATE: FEBRUARY 27, 2018

