



8350 Eastex Freeway, Beaumont, TEXAS 77708 | 409.892.7311 | WWW.TXDOT.GOV

December 03, 2020

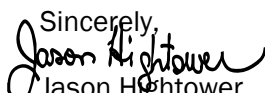
Mr. Doug Blakemore
Office of Bridge Administration
United States Coast Guard
Eighth District Boggs Federal Building
500 Poydras Street, Suite 1313
New Orleans, LA 70130-3310

Re: Lighting Exemption Request
FM 562 Lone Oak Bayou
Chambers County, Texas

Dear Mr. Blakemore,

The Texas Department of Transportation (TxDOT) is requesting a lighting exemption for the proposed new bridge to be constructed at the FM 562 crossing of Lone Oak Bayou in Chambers County, Texas, (29° 36'16.89"N, 94° 40'32.00"W), project CSJ: 1022-01-034. This proposed project would replace the existing FM 562 bridge at Lone Oak Bayou through the construction of a new bridge structure at the existing water crossing. The proposed bridge will be a single span (75-foot) prestressed concrete box beam span structure. The proposed bridge length is 75 feet with a deck width of approximately 38-feet to provide two 12-foot wide travel lanes with a 4-foot wide shoulder for the southbound direction and a 10-foot wide shoulder for the northbound direction. Over the bayou, the proposed bridge has a navigational horizontal clearance of approximately 75 feet between Abutment No. 1 and Abutment No. 2. The proposed bridge has a vertical navigational clearance of approximately 1 foot and 7 inches at mean high water. The existing Lone Oak Bayou bridge structure (NBI 200360102201006) was originally constructed in 1956. The bridge is a 60-foot long concrete slab and girder bridge with two spans (30' x 27'-8 1/2") providing two 12-foot wide travel lanes with no shoulders. Bridge rail and approach metal beam guard fence with mow strips exist. A concurrence from the US Coast Guard dated December 3, 2020, has been received exempting this structure from US Coast Guard bridge permit requirements. TxDOT is requesting your concurrence that this project is also exempt from bridge lighting requirements.

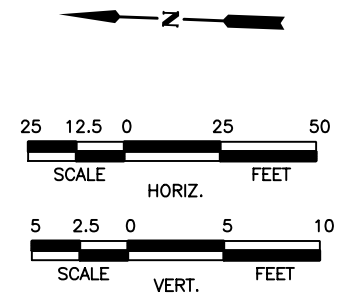
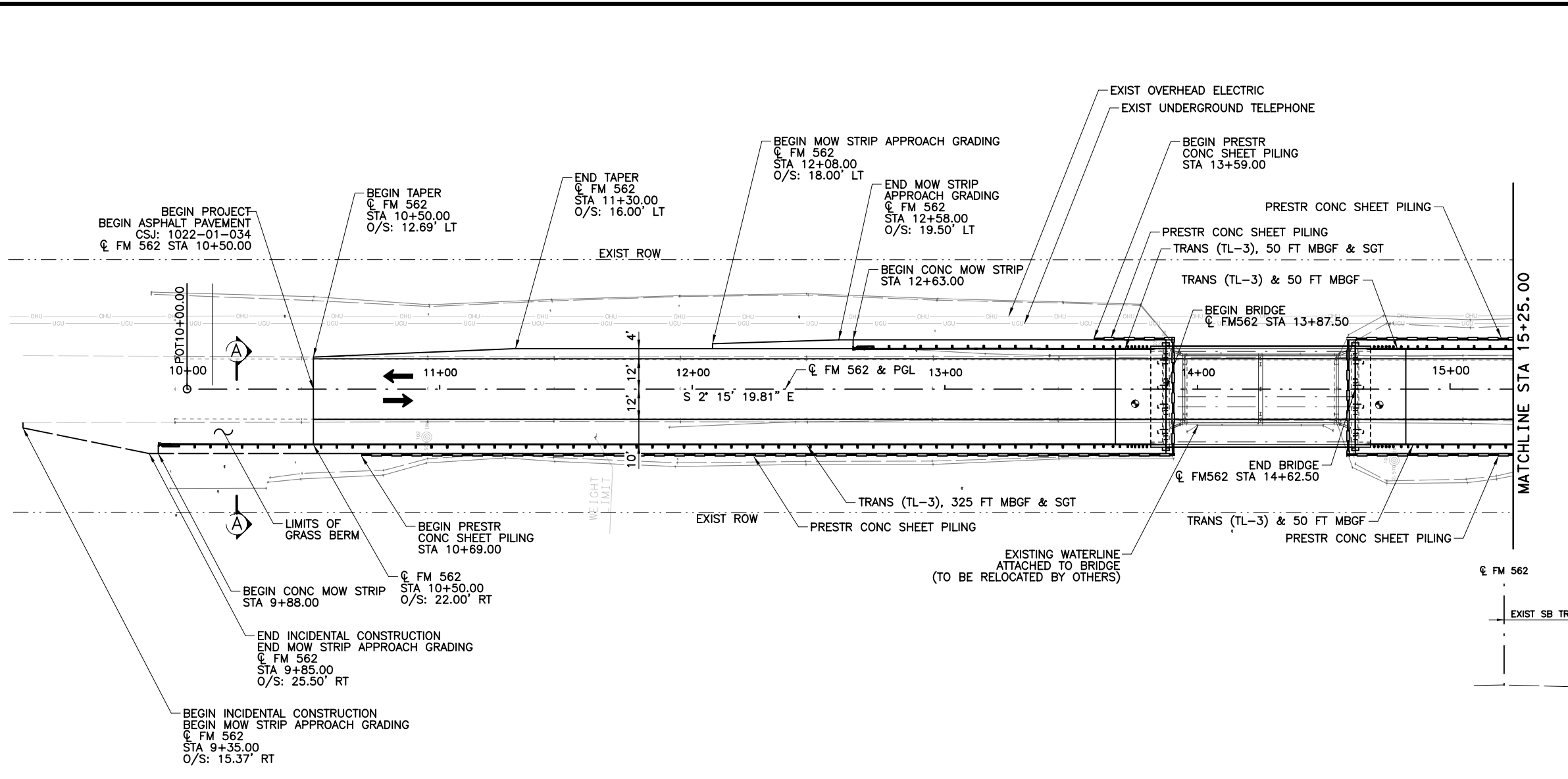
Navigation along this reach of Lone Oak Bayou is limited to small recreational watercraft such as kayaks, canoes and other small motor boats. The existing FM 562 bridge over Lone Oak Bayou does not have navigational lighting as there is no significant nighttime navigation on this reach of Lone Oak Bayou; therefore, the proposed FM 562 bridge over the Lone Oak Bayou will not include navigational lighting. TxDOT would like to request your concurrence that navigational lighting is not required on the proposed FM 562 bridge structure. If you have any questions, please contact me at (409) 898-5820 or jason.hightower@txdot.gov

Sincerely,

Jason Hightower
Environmental Specialist
TxDOT – Beaumont District

OUR VALUES: *People • Accountability • Trust • Honesty*
OUR MISSION: *Connecting You With Texas*

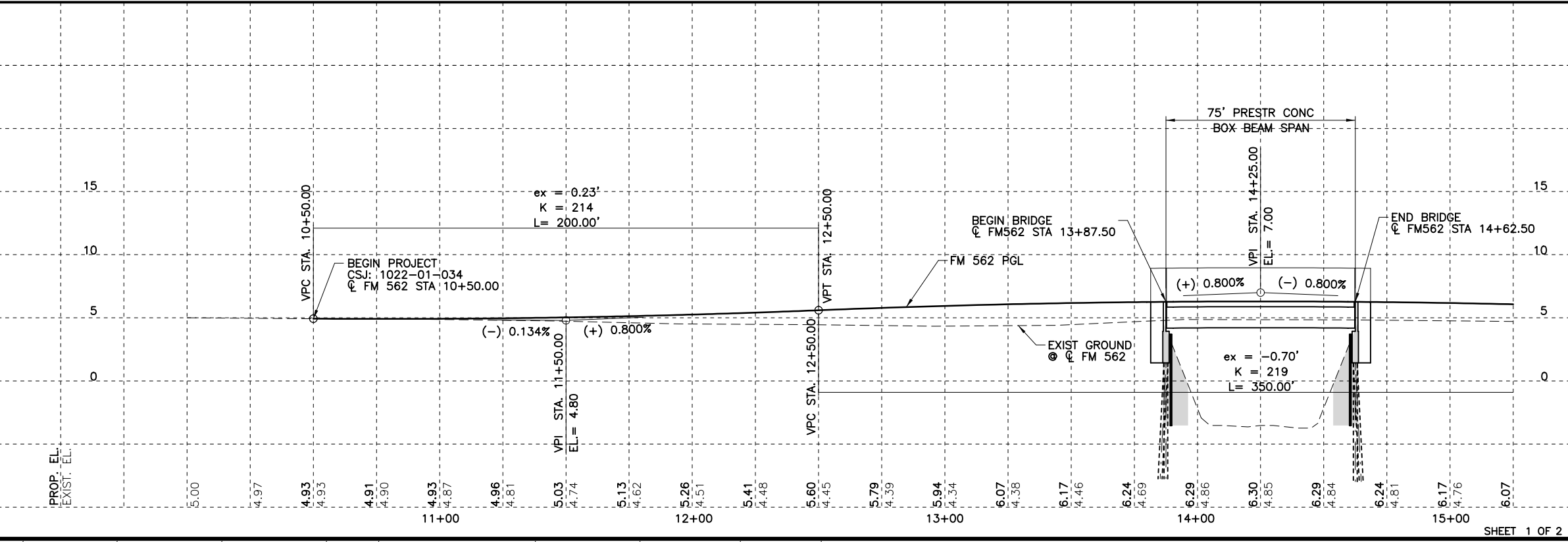
An Equal Opportunity Employer

8/26/2020 7:07:03 PM fveraara
 cpybw_ANSIB.tbl
 cpypdf_ANSIB.pltcfgr
 pw:/Active Projects/TXBR1800917.00/TXBR1800917.02/FM 562/8.00 Plans and Drawings/8.30 Cut Sheets/8.3.04 Roadway/Alternative 2/FM562_RDpp01B.dgn



LEGEND

- LIMITS OF TEMP SHORING
- PRESTR CONC SHEET PILING
- CONC RIPRAP



PRELIMINARY

30% SUBMITTAL
FOR INTERIM REVIEW ONLY
NOT FOR CONSTRUCTION, BIDDING,
OR PERMIT PURPOSES.

CP&Y

ENGINEER **MARCEL D. STRACHAN**
P.E. No. 99302 DATE 8/26/2020

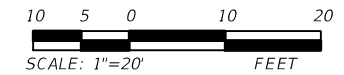
NO.	REVISION	BY	DATE

CP&Y
TEXAS REGISTERED ENGINEERING FIRM F-1741

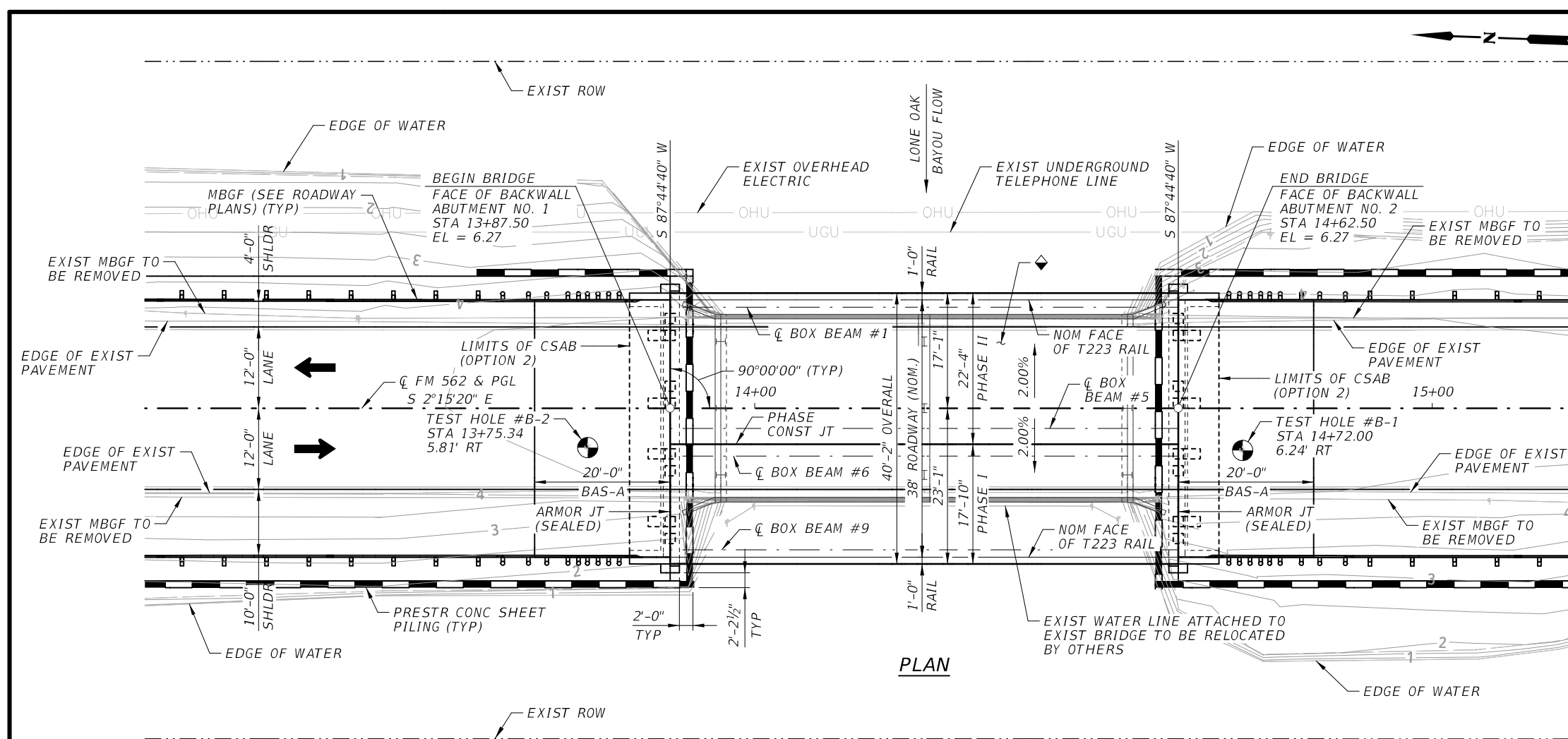
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FM 562 AT LONE OAK BAYOU

PLAN & PROFILE
BEGIN TO STA 15+25.00

Designed: FV	FED. RD. DIV. NO. 6	STATE TEXAS	FEDERAL AID PROJECT NO.	HIGHWAY NO. FM 562
Checked: BAJ				
Drawn: FV	DIST. BMT	COUNTY CHAMBERS	CONTROL NO. 1022	SECTION NO. 01
Checked: BAJ				JOB NO. 034
				SHEET NO. 9



- GENERAL NOTES:**
- DESIGNED ACCORDING TO 2020 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (9TH EDITION).
 - SEE BORING LOG SHEET FOR BORE HOLE DATA.
 - ALL DIMENSIONS ARE EITHER HORIZONTAL OR VERTICAL AND MUST BE CORRECTED FOR GRADE, CROWN AND/OR SUPERELEVATION.
 - SEE "PHASED CONSTRUCTION TYPICAL SECTIONS" SHEETS FOR BRIDGE TYPICAL SECTIONS.
 - USE OPTION 2 FOR CONFIGURATION OF CSAB BEHIND ABUTMENTS. SEE CSAB STANDARD DETAILS.



PLAN

DESIGN SPEED = 60 MPH
 ADT(2018) = 266 VPD
 ADT(2038) = 372 VPD
 FUNCT CLASS = RURAL MINOR COLLECTOR
 EXIST NBI NO. 20-036-0-1022-01-006
 PROPOSED NBI NO. XX-XXX-X-XXXX-X-XXX

EXISTING TWO 30'-0" CONCRETE SLAB AND GIRDER SPANS (60'-0" LENGTH X 27'-8 1/2" WIDTH) TO BE REMOVED. STEEL H-PILES TO BE REMOVED 2'-0" MINIMUM BELOW FINISHED GROUND.

HL 93 LOADING

PRELIMINARY

30% SUBMITTAL
 FOR INTERIM REVIEW ONLY
 NOT FOR CONSTRUCTION, BIDDING,
 OR PERMIT PURPOSES.



ENGINEER JOLIE ANNE SNYDER
 P.E. No. 134009 DATE 8/26/2020

NO.	REVISION	BY	DATE



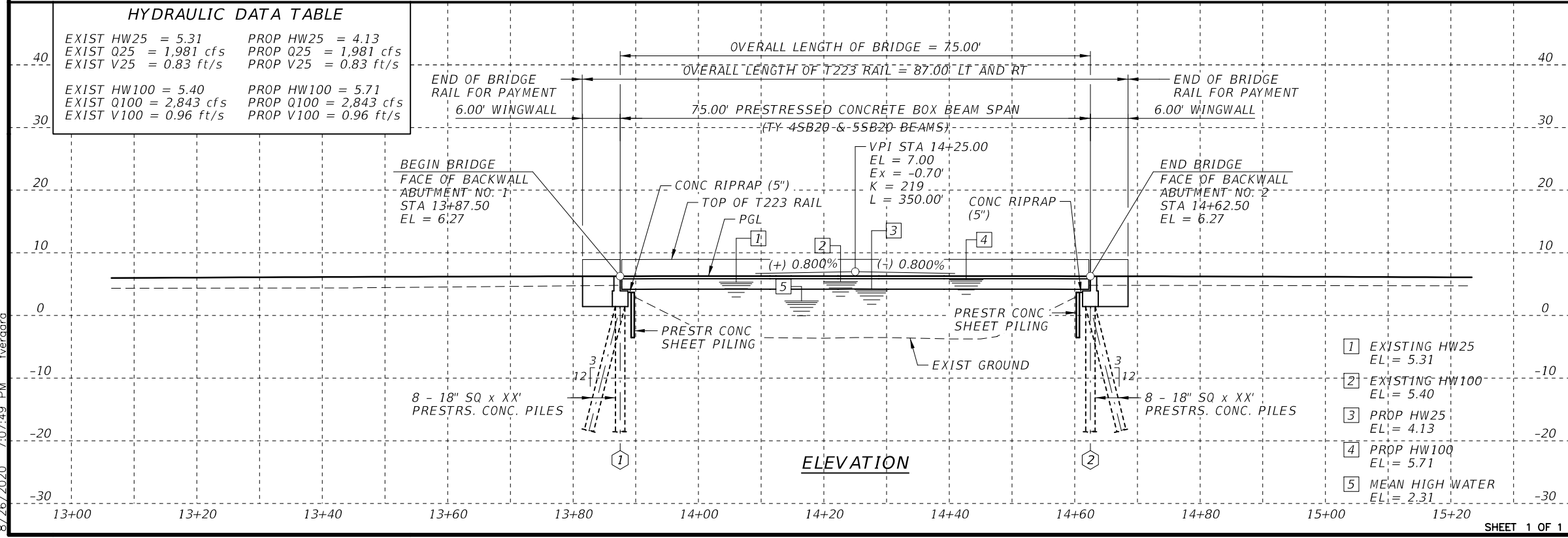
TEXAS REGISTERED ENGINEERING FIRM F-1741
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 FM 562 AT LONE OAK BAYOU

**BRIDGE LAYOUT
 LONE OAK BAYOU BRIDGE**

Designed:	JAS	FED. RD. DIV. NO.	6	STATE	TEXAS	FEDERAL AID PROJECT NO.	1022-01-034	HIGHWAY NO.	FM 562
Checked:	TWS								
Drawn:	AL	DIST.		COUNTY	CHAMBERS	CONTROL NO.	1022	SECTION NO.	01
Checked:	JAS	BMT						JOB NO.	034
								SHEET NO.	13

HYDRAULIC DATA TABLE

EXIST HW25 = 5.31	PROP HW25 = 4.13
EXIST Q25 = 1,981 cfs	PROP Q25 = 1,981 cfs
EXIST V25 = 0.83 ft/s	PROP V25 = 0.83 ft/s
EXIST HW100 = 5.40	PROP HW100 = 5.71
EXIST Q100 = 2,843 cfs	PROP Q100 = 2,843 cfs
EXIST V100 = 0.96 ft/s	PROP V100 = 0.96 ft/s



ELEVATION

8/26/2020 7:07:49 PM fveraara