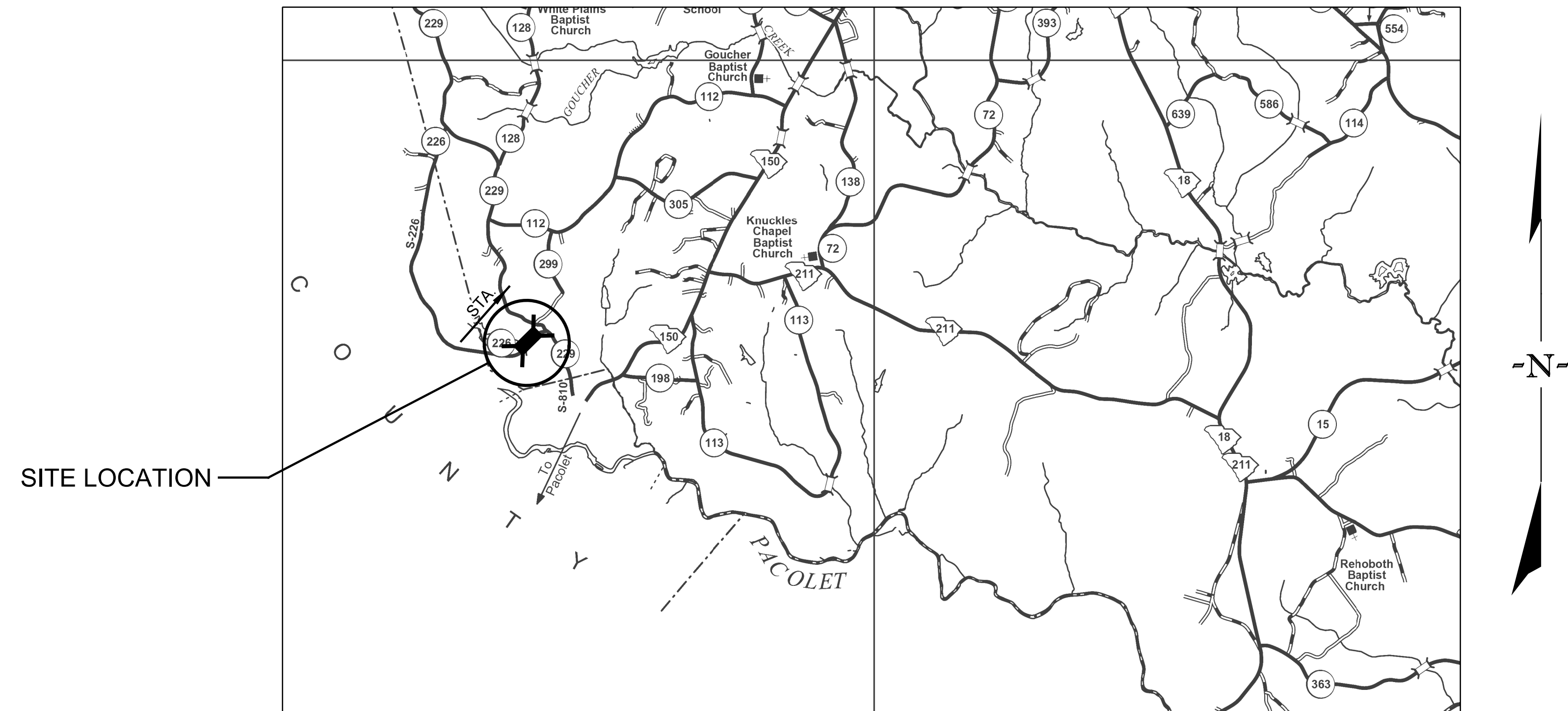




PROPOSED PLANS  
FOR  
CHEROKEE COUNTY  
PROJECT ID P041150  
STATE ROUTE S-11-226 (HAMMETT GROVE ROAD)  
REPLACE BRIDGE OVER UNNAMED STREAM



Approximate Location of Bridge is

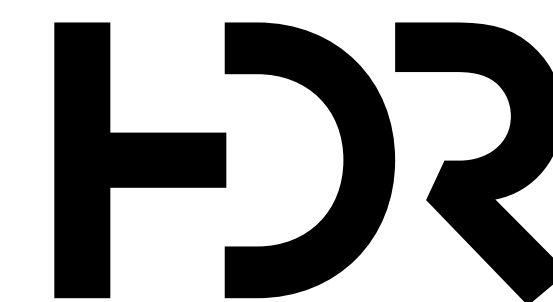
Latitude	<u>34°-56'-11" N</u>
Longitude	<u>81°-44'-55" W</u>

## LAYOUT

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.011	MILES
NET LENGTH OF PROJECT	0.011	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.011	MILES

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2007 EDITION) AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

CONSULTING ENGINEERING FIRM



ENGINEER OF RECORD

**CONCEPTUAL  
PLANS  
NOT FOR  
CONSTRUCTION**

FOR CONSTRUCTION : \_\_\_\_\_ DATE \_\_\_\_\_

## INDEX OF SHEETS

1. TITLE SHEET
2. BRIDGE PLAN AND PROFILE
3. BRIDGE TYPICAL SECTION

3 DAYS BEFORE DIGGING IN  
SOUTH CAROLINA  
**CALL 811**  
SOUTH CAROLINA 811 (SC811)  
[WWW.SC811.COM](http://WWW.SC811.COM)  
LITIES MAY NOT BE A MEMBER OF SC811

ASSET ID NOT ASSIGNED

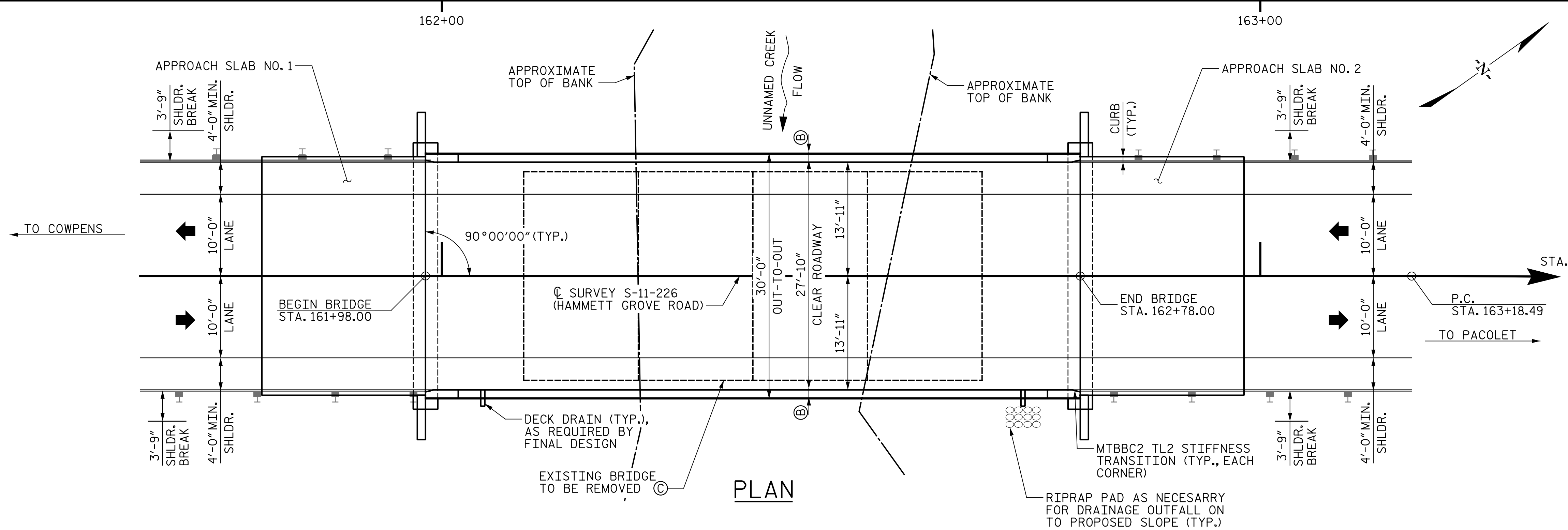
## TRAFFIC DATA

2020 ADT 200 V.P.D.  
2040 ADT 256 V.P.D.

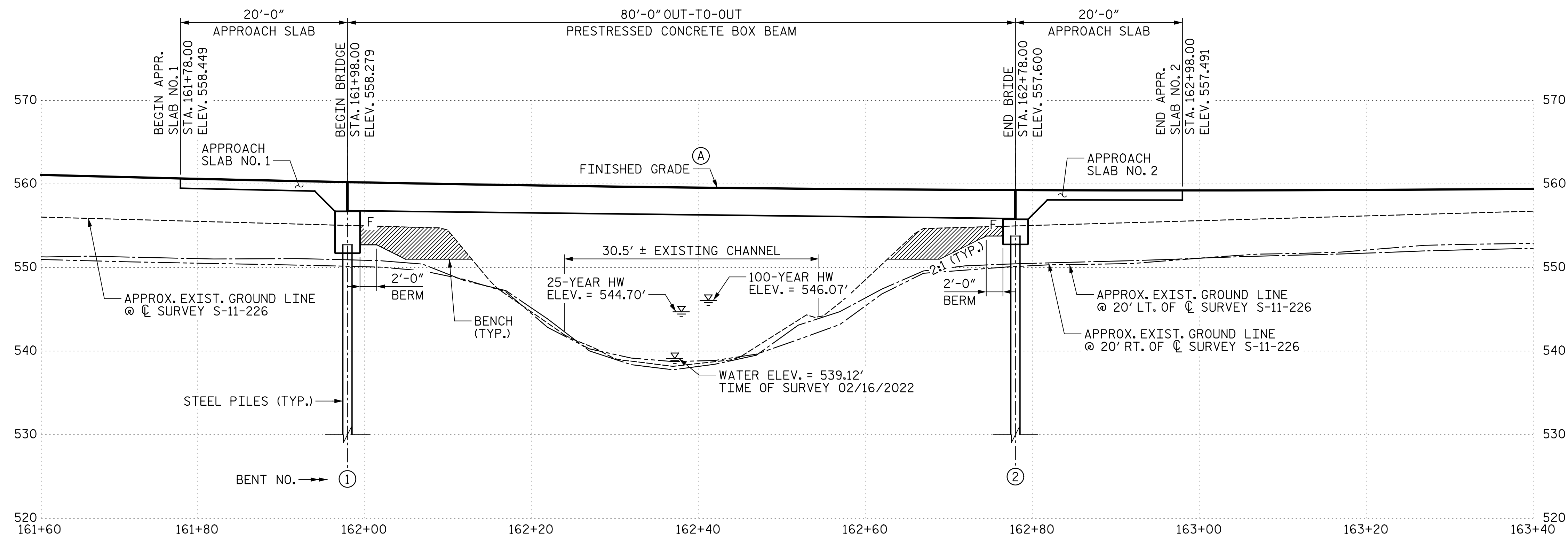
TRUCKS 5%  
\*DESIGN TRAFFIC DATA

REVIEWED			
DR.	RAM	JTE	06-22
	BY	CHK	DATE

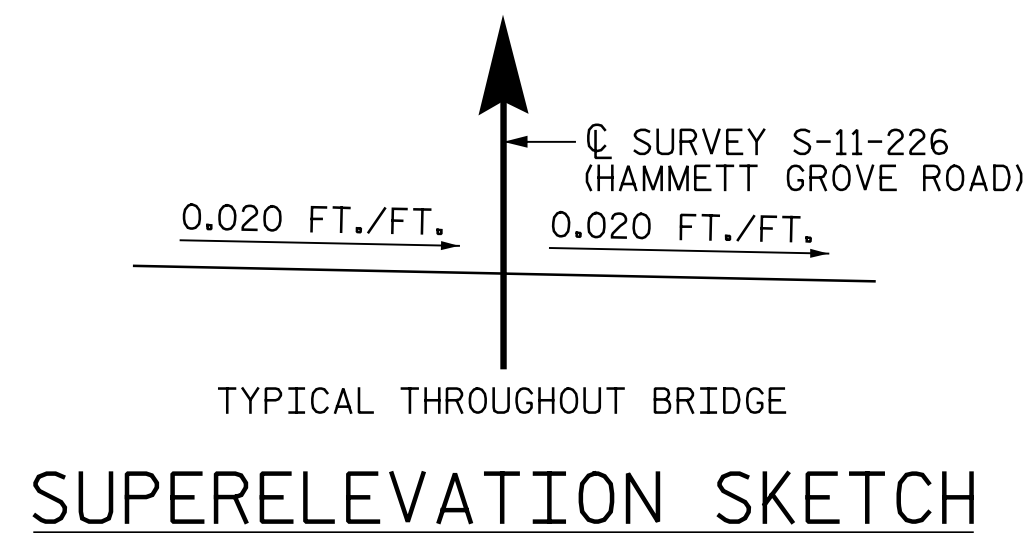
AZEITOUNI  
06-21-22  
bP041150-B01\_ts.dgn



- NOTES:
- (A) PROPOSED PROFILE SET SO THAT THE NEW CHORD ELEVATION IS AT OR ABOVE THE EXISTING LOW CHORD ELEVATION
  - (B) INCLUDES 1'-0" MASH BARRIER PARAPET AND 1" SLAB EXTENSION
  - (C) REMOVE AND DISPOSE OF EXISTING 56'-0" x 25'-6" ± SIMPLE 4-SPAN PRECAST CONCRETE BRIDGE AND APPURTENANCES IN ACCORDANCE WITH SECTION 202.4.2 OF THE STANDARD SPECIFICATIONS.
- F - DENOTES FIXED BEARING
- EXCAVATE HATCHED AREA



VERTICAL CURVE DATA	
PVI = 160+50.00 ELEV. 559.54 V.C. = 250'	PVI = 163+53.00 ELEV. 556.96 V.C. = 147'
-9.74%	-0.85%
4.42%	



**HYDROLOGY DATA**

D.A. = 1.6 SQ. MILES  
Q.25 = 763 CFS  
VELOCITY.25 = 9.0 FPS  
AREA FURNISHED UNDER = 910 SQ. FT.

**OVERTOPPING FLOOD**

Q = 13,000 CFS  
PROBABILITY < 0.2%

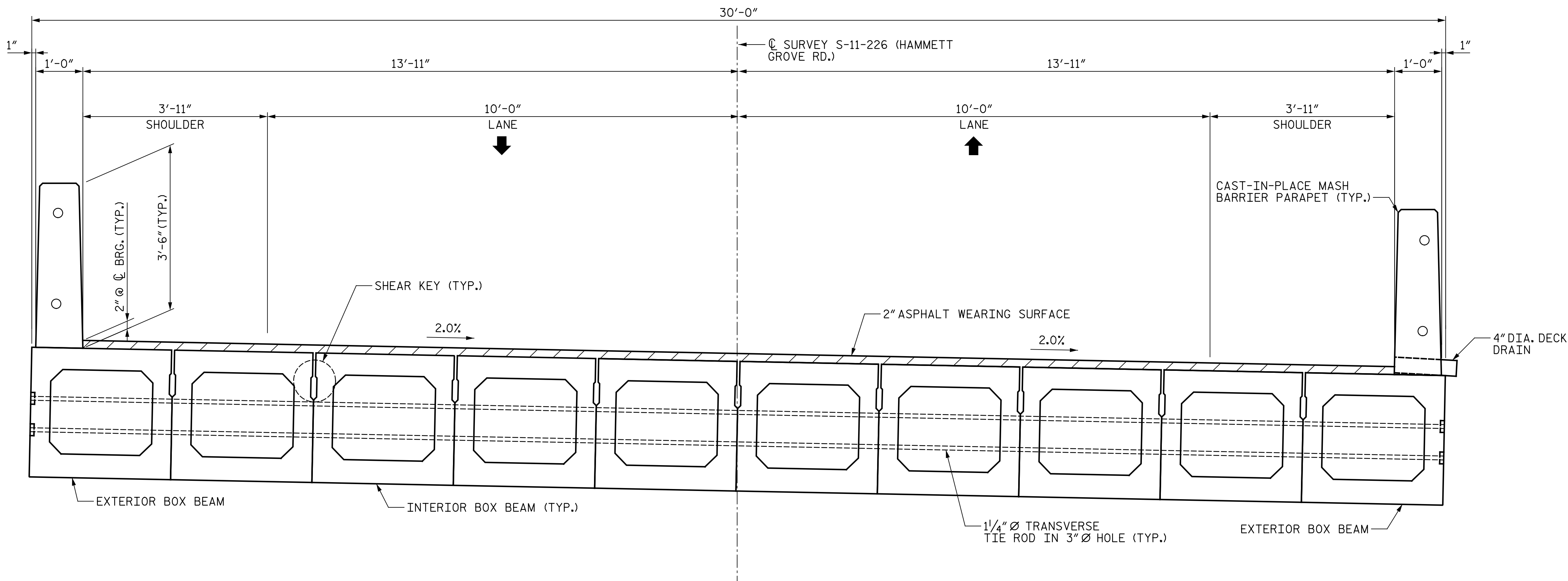
**CONTROL POINTS**

CP4  
ELEVATION = 554.84'  
N 1129791.38 E 1775592.63  
8" NAIL

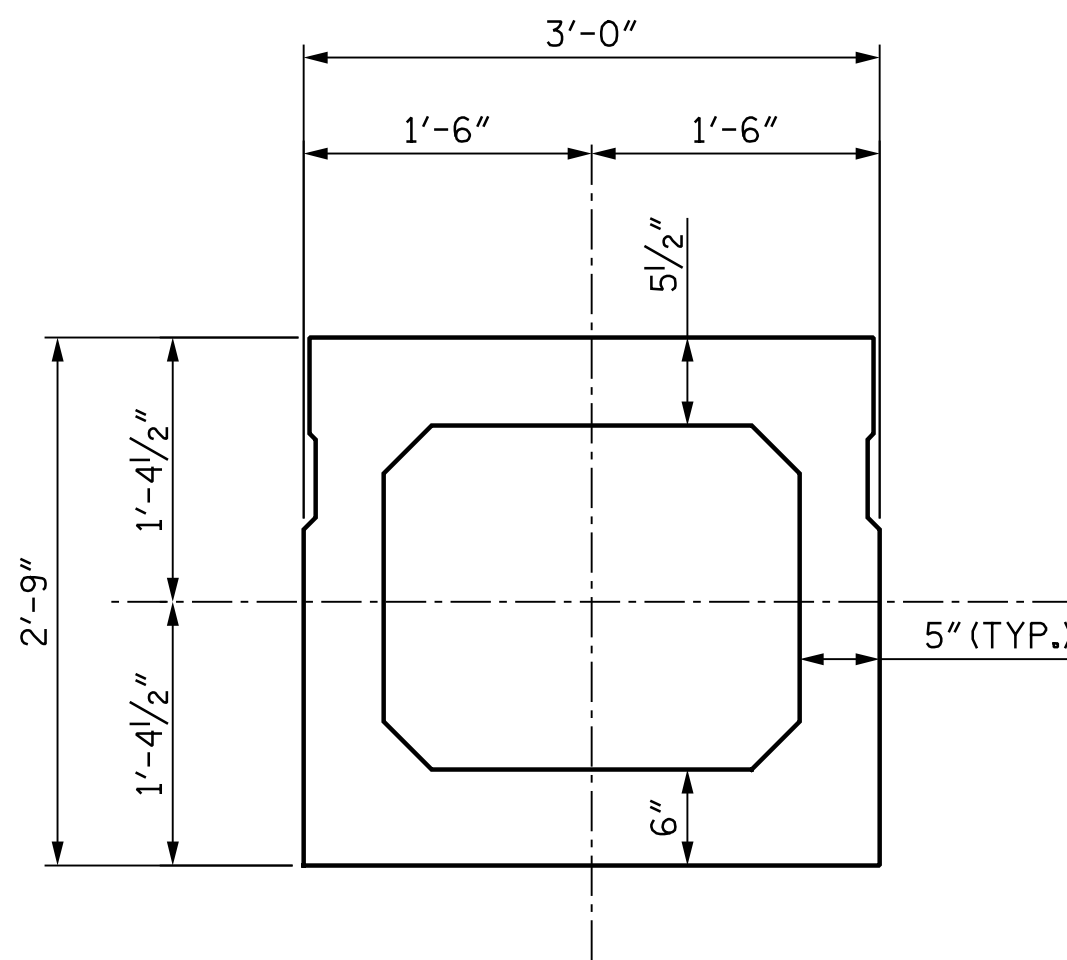
CP5  
ELEVATION = 581.34'  
N 1130293.46 E 1776034.46  
8" NAIL

REV.			
REV.			
REV.			
REVIEWED			
QUAN.			
DR.	DMC	AIZ	06-22
DES.			
BY	CHK.	DATE	

CONCEPTUAL PLANS		HDR ENGINEERING INC. OF THE CAROLINAS 1201 MAIN STREET SUITE 800 COLUMBIA, SC 29201 803-509-6600	
		SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
NOT FOR CONSTRUCTION	BRIDGE PLAN AND PROFILE		
	S-11-226 (HAMMETT GROVE ROAD) BRIDGE REPLACEMENT OVER UNNAMED CREEK		
	COUNTY CHEROKEE	ROUTE S-11-226	



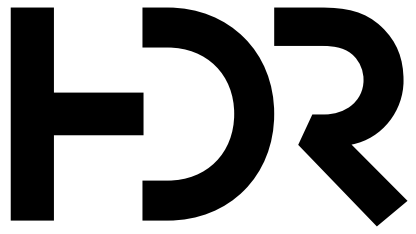
TYPICAL SECTION  
(LOOKING IN DIRECTION OF STATIONING)



INTERIOR BOX BEAM SECTION

REV.			
REV.			
REV.			
REVIEWED			
QUAN.			
DR.	RAM	JTE	06-22
DES.			
	BY	CHK.	DATE

CONCEPTUAL PLANS



HDR ENGINEERING INC.  
OF THE CAROLINAS  
1201 MAIN STREET  
SUITE 800  
COLUMBIA, SC, 29201  
803-509-6600

NOT FOR CONSTRUCTION

SOUTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

BRIDGE TYPICAL SECTION  
S-11-226 (HAMMETT GROVE ROAD) BRIDGE REPLACEMENT  
OVER UNNAMED CREEK

COUNTY  
CHEROKEE

ROUTE  
S-11-226