

- INDEX OF SHEETS
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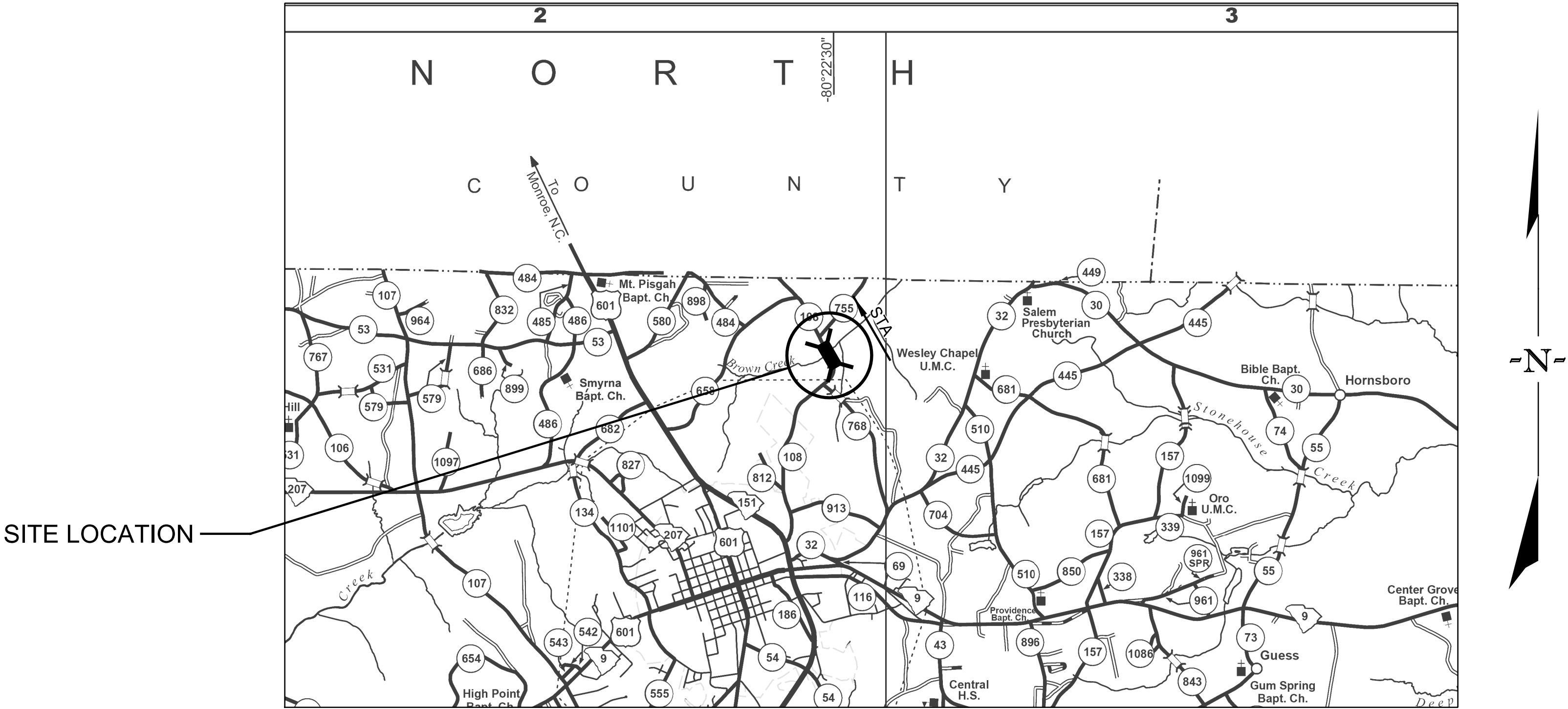


PROPOSED PLANS
FOR
CHESTERFIELD COUNTY
PROJECT ID P041181
STATE ROUTE S-13-108 (OUTEN ROAD)
REPLACE BRIDGE OVER BROWN CREEK

Design Reference for these plans is the:

LVB

Supplemental Design Criteria For
Low Volume Bridge Replacement Projects



SITE LOCATION

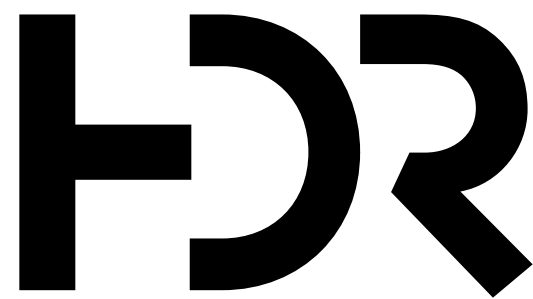
Approximate Location of Bridge is
Latitude 34°~48'~14" N
Longitude 80°~22'~32" W

LAYOUT

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.034	MILES
NET LENGTH OF PROJECT	0.034	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.034	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 _____

3 DAYS BEFORE DIGGING IN
SOUTH CAROLINA
CALL 811
SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

ASSET ID NOT ASSIGNED

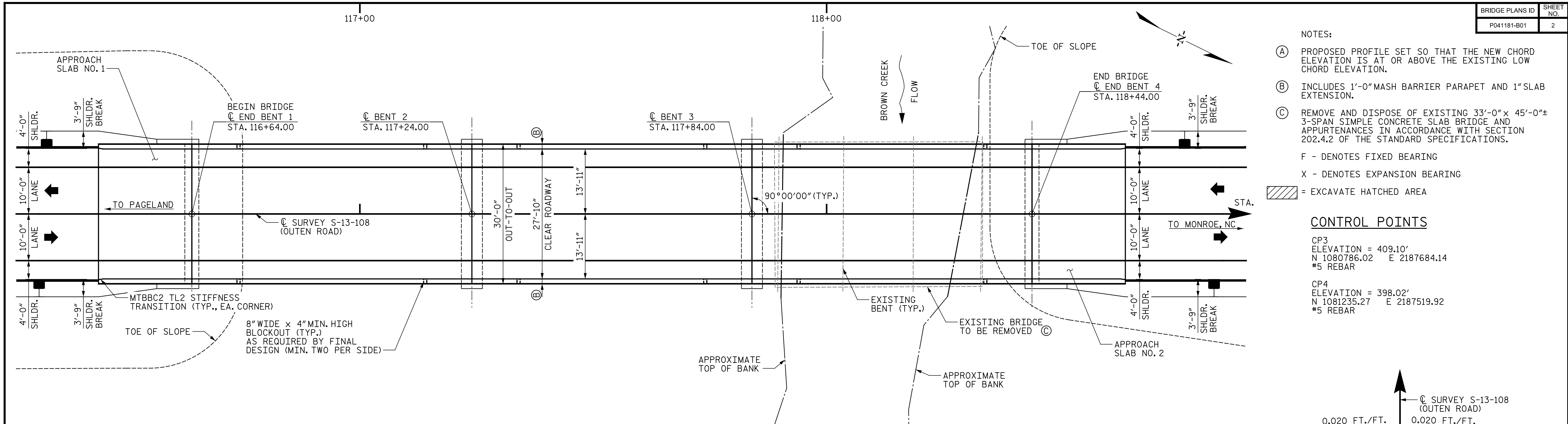
TRAFFIC DATA

2020 ADT 390 V.P.D.
2040* ADT 480* V.P.D.
TRUCKS 5 %
*DESIGN TRAFFIC DATA

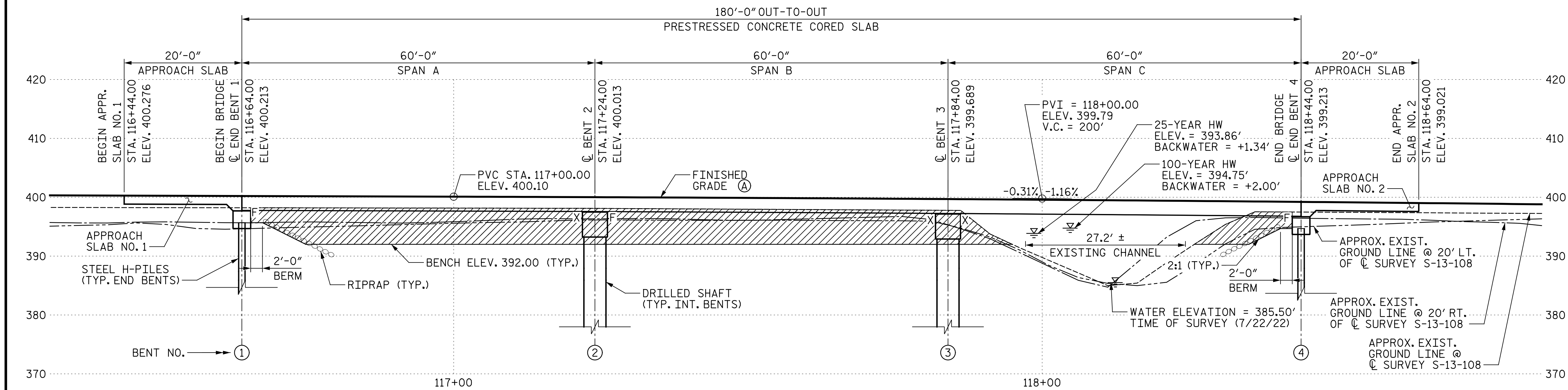
REVIEWED	DR.	RAM	DJS	CHK	DATE

RMCKENNA
11-14-22
bP041181-B01_is.dgn

CADD FILE INFORMATION 4:34:53 PM
PLOTTED DATE: 11-14-22
FILE NAME: bpo41181-b01.bp.dgn



PLAN



SECTION ALONG $\text{\textcircled{C}}$ SURVEY S-13-108

HYDROLOGY DATA

D.A. = 6.4 SQ. MILES
0.25 = 1,610 CFS
VELOCITY 25 = 5.95 FPS
AREA FURNISHED UNDER 25 = 410.4 SQ. FT.
0.100 = 2,280 CFS
VELOCITY 100 = 6.21 FPS
AREA FURNISHED UNDER 100 = 546.3 SQ. FT.
OVERTOPPING FLOOD
Q = 3,080 CFS
PROBABILITY < 0.2%

REV.			
REV.			
REV.			
REVIEWED			
QUAN.			
DR.	RAM	DJS	11-22
DES.			

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 33'-0" x 45'-0" \pm 3-SPAN SIMPLE CONCRETE SLAB BRIDGE AND APPURTENANCES IN ACCORDANCE WITH SECTION 202.4.2 OF THE STANDARD SPECIFICATIONS.

F - DENOTES FIXED BEARING

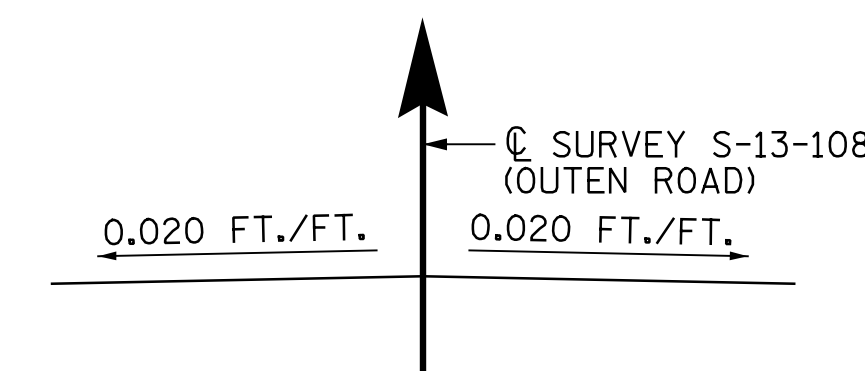
X - DENOTES EXPANSION BEARING

= EXCAVATE HATCHED AREA

CONTROL POINTS

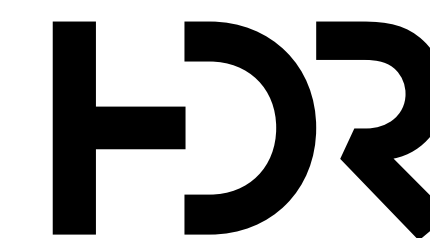
CP3
ELEVATION = 409.10'
N 1080786.02 E 2187684.14
#5 REBAR

CP4
ELEVATION = 398.02'
N 1081235.27 E 2187519.92
#5 REBAR



SUPERELEVATION SKETCH

CONCEPTUAL
PLANS



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

NOT FOR
CONSTRUCTION

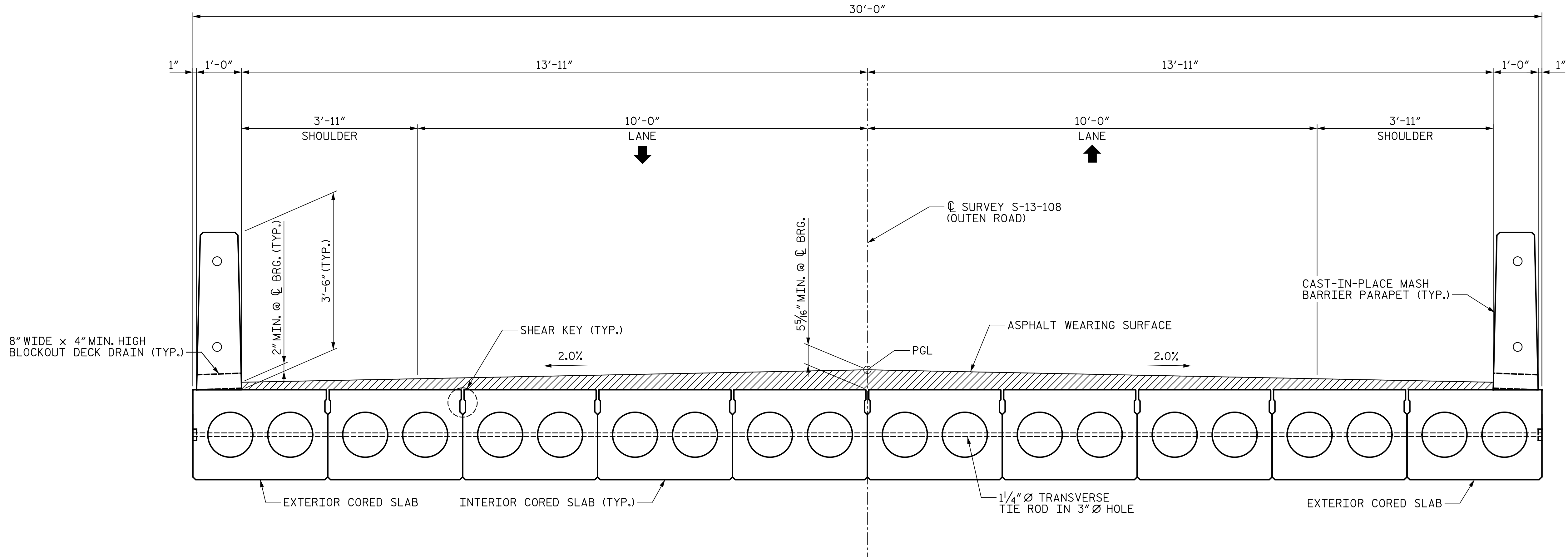
SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN AND PROFILE

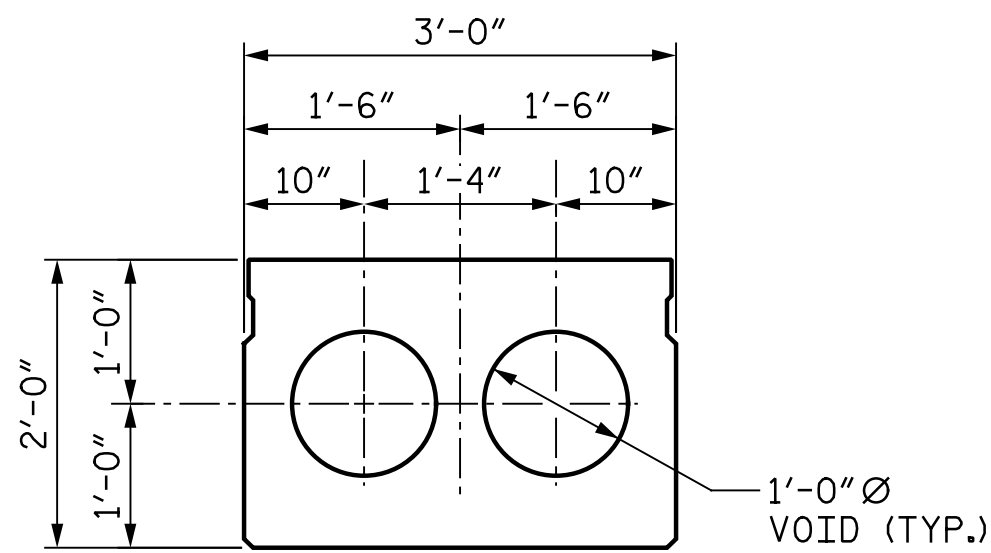
S-13-108 (OUTEN ROAD) BRIDGE REPLACEMENT
OVER BROWN CREEK

COUNTY
CHESTERFIELD

ROUTE
S-13-108

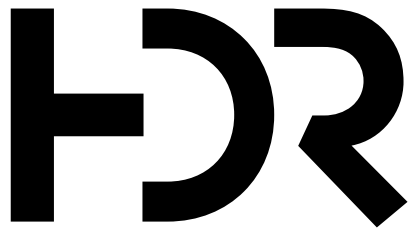


TYPICAL SECTION
(LOOKING IN DIRECTION OF STATIONING)



INTERIOR SLAB SECTION

REV.			
REV.			
REV.			
REVIEWED			
QUAN.			
DR.	RAM	DJS	11-22
DES.			

CONCEPTUAL PLANS	 <div>HDR ENGINEERING INC. OF THE CAROLINAS 1201 MAIN STREET SUITE 800 COLUMBIA, SC, 29201 803-509-6600</div>
NOT FOR CONSTRUCTION	BRIDGE TYPICAL SECTION S-13-108 (OUTEN ROAD) BRIDGE REPLACEMENT OVER BROWN CREEK
	COUNTY CHESTERFIELD