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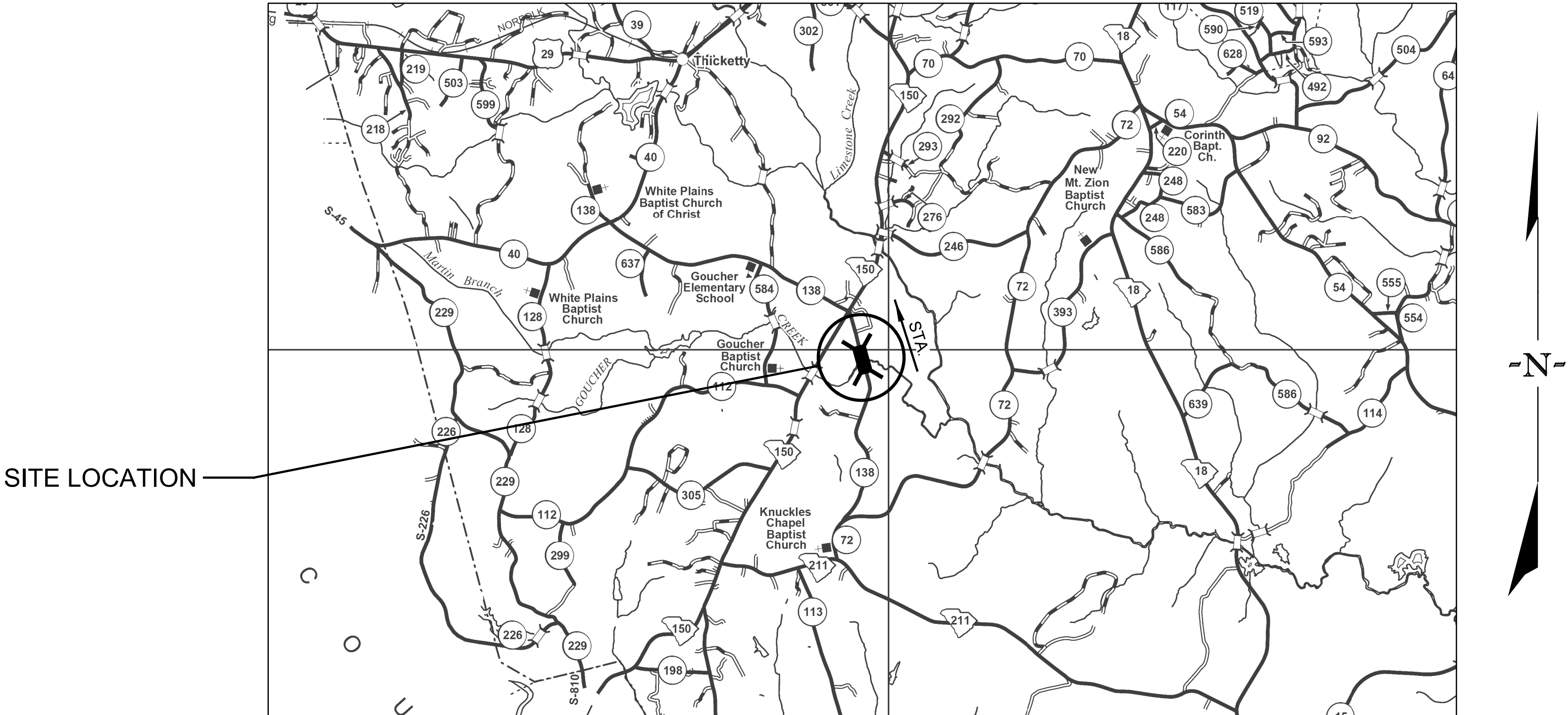


PROPOSED PLANS
FOR
CHEROKEE COUNTY
PROJECT ID P041151
STATE ROUTE S-11-138 (GOUCHER SCHOOL ROAD)
REPLACE BRIDGE OVER GOUCHER CREEK

Design Reference for these plans is the:

LVB

Supplemental Design Criteria For
Low Volume Bridge Replacement Projects



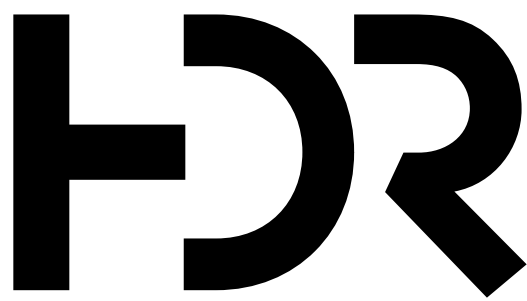
Approximate Location of Bridge is
Latitude 34°-58'-30" N
Longitude 81°-41'-39" W

LAYOUT

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.024	MILES
NET LENGTH OF PROJECT	0.024	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.024	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

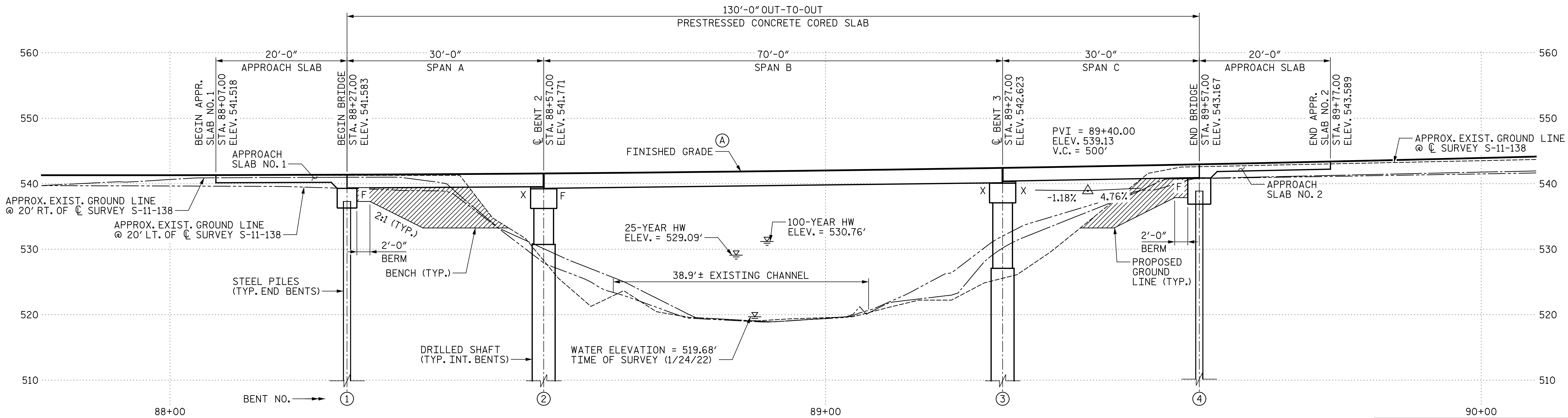
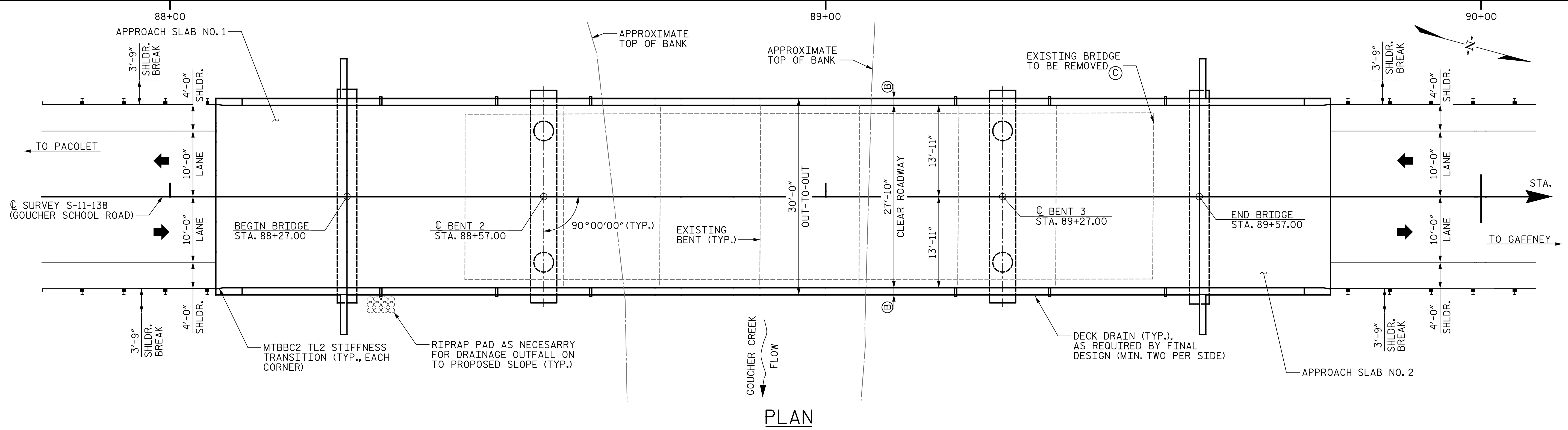
ASSET ID NOT ASSIGNED

TRAFFIC DATA

2020 ADT 750 V.P.D.
2040 ADT 1,095 V.P.D.
TRUCKS 8 %
*DESIGN TRAFFIC DATA

REVIEWED	DR.	RAM	JTE	06-22	DATE

AZEJFOUNI
06-17-22
BP041151-B01_ls.dgn



SECTION ALONG CL SURVEY S-11-138

NOTES:

- (A) PROPOSED PROFILE SET SO THAT THE LOW CHORD SATISFIES THE HYDRAULIC REQUIREMENTS, SET FORTH BY THE RFP.
- (B) INCLUDES 1'-0" MASH BARRIER PARAPET AND 1" SLAB EXTENSION
- (C) REMOVE AND DISPOSE OF EXISTING 105'-0" \times 27'-6" \pm SIMPLE 7-SPAN PRECAST CONCRETE BRIDGE AND APPURTENANCES IN ACCORDANCE WITH SECTION 202.4.2 OF THE STANDARD SPECIFICATIONS.

F - DENOTES FIXED BEARING

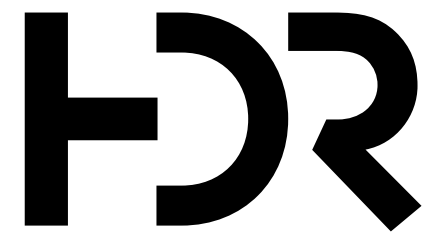
X - DENOTES EXPANSION BEARING

= EXCAVATE HATCHED AREA

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

CONCEPTUAL PLANS

NOT FOR CONSTRUCTION



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

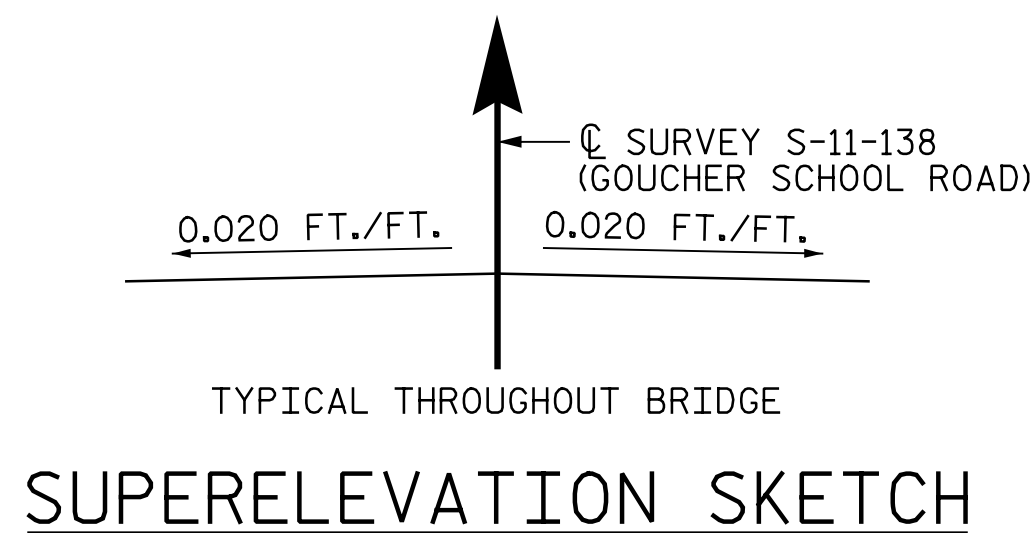
SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN AND PROFILE

S-11-138 (GOUCHER SCHOOL ROAD)
BRIDGE REPLACEMENT OVER GOUCHER CREEK

COUNTY
CHEROKEE

ROUTE
S-11-138



CONTROL POINTS

PSC2
ELEVATION = 549.87'
N 1143042.20 E 1792205.82
#5 REBAR

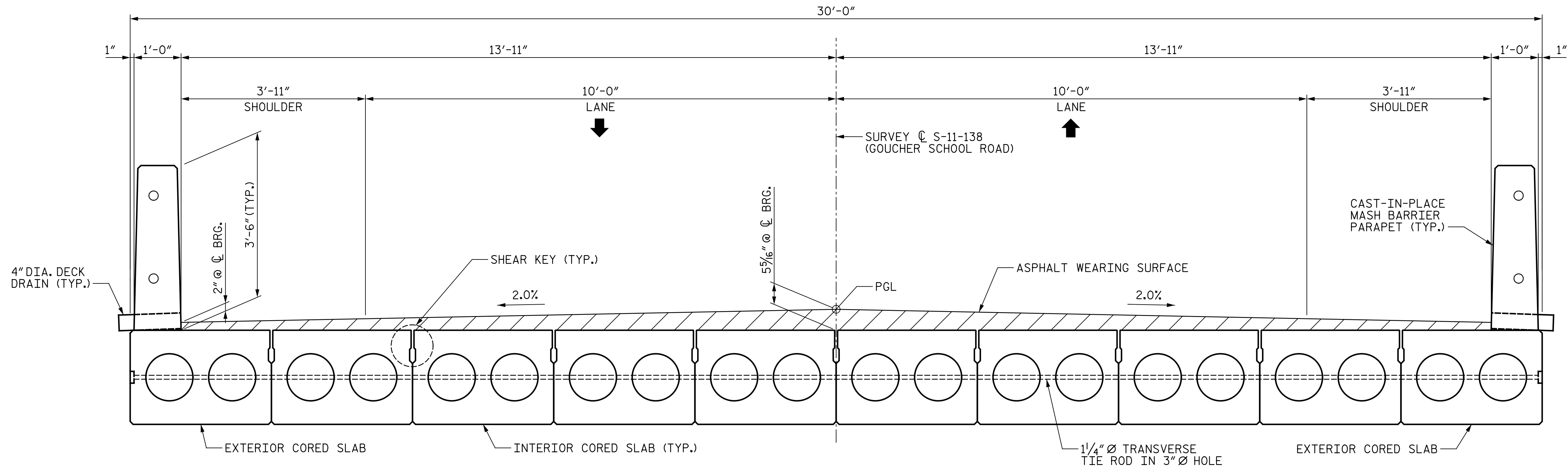
CP3
ELEVATION = 541.99'
N 1143867.57 E 1791988.53
8" NAIL

HYDROLOGY DATA

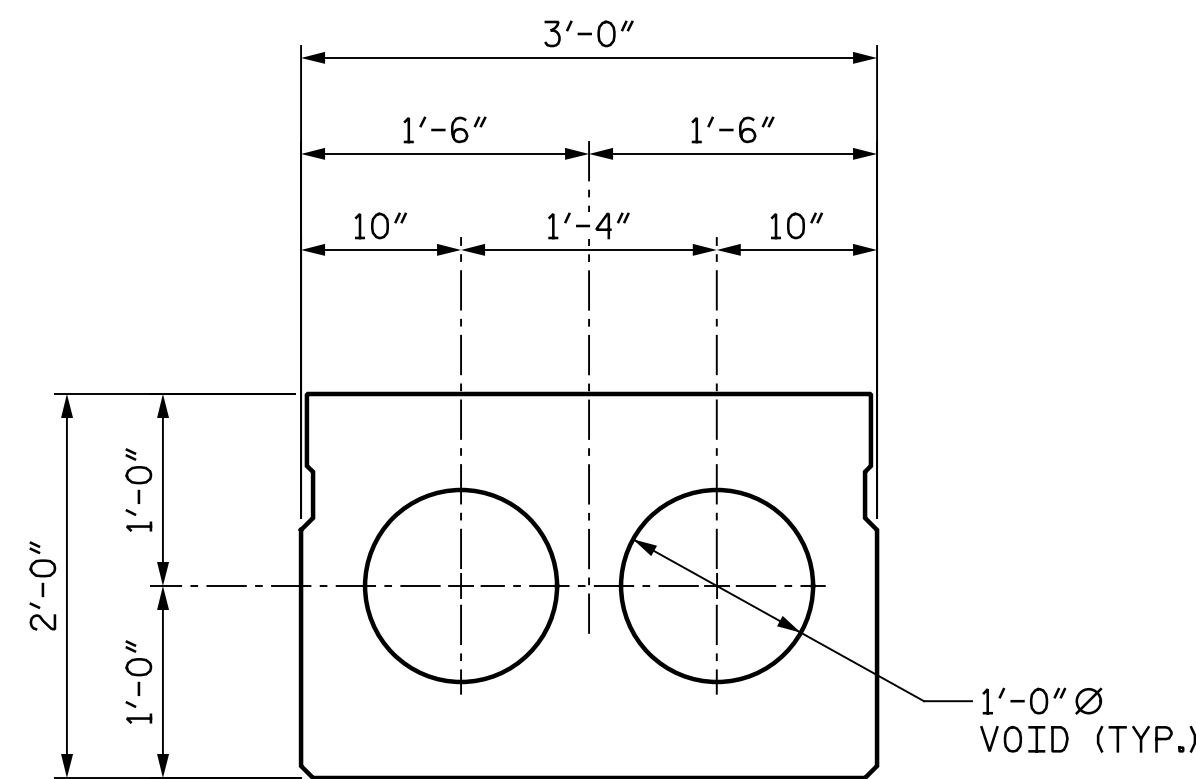
D.A. = 10.1 SQ. MILES
Q₂₅ = 2,350 CFS
VELOCITY₂₅ = 5.5 FPS
AREA FURNISHED UNDER = 1,598 SQ. FT.

OVERTOPPING FLOOD

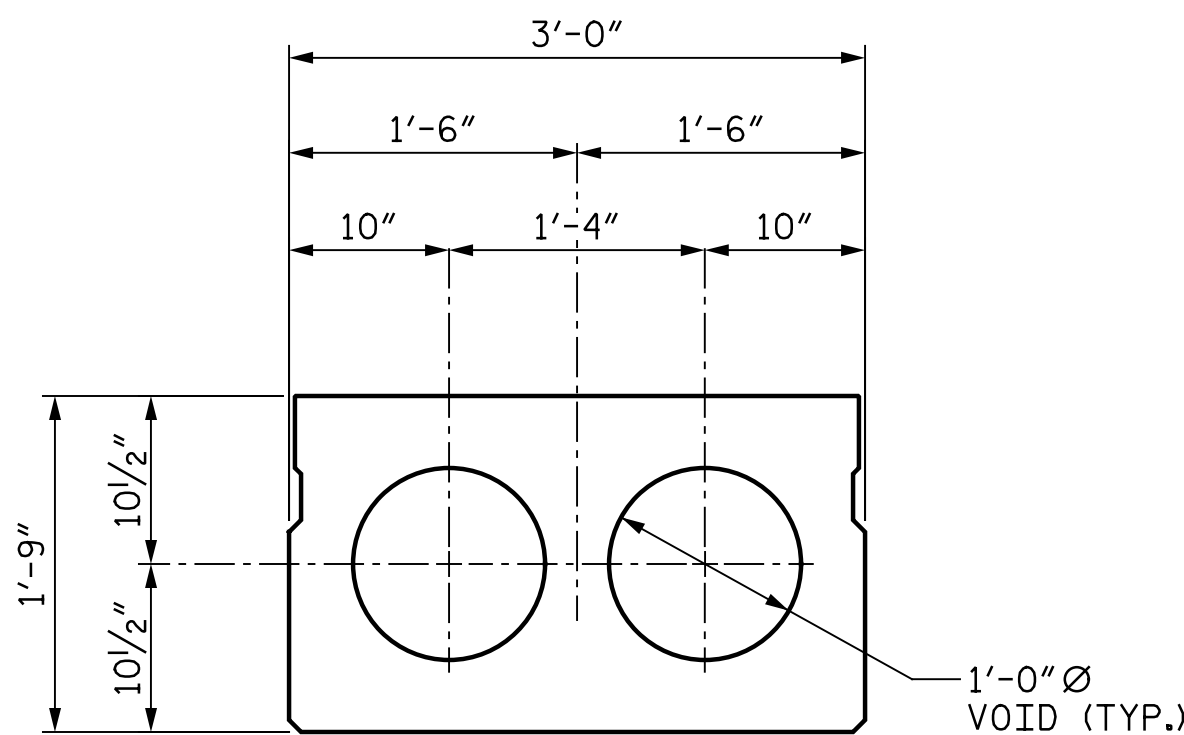
Q = 15,000 CFS
PROBABILITY < 0.2%



TYPICAL SECTION
(LOOKING IN DIRECTION OF STATIONING)

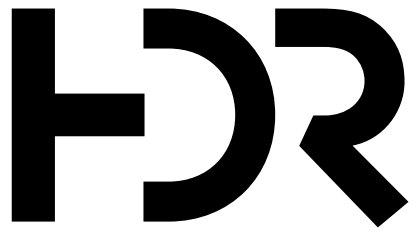


INTERIOR SLAB SECTION - 70' SPAN



INTERIOR SLAB SECTION - 30' SPAN

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

CONCEPTUAL PLANS	 <div>HDR ENGINEERING INC. OF THE CAROLINAS 1201 MAIN STREET SUITE 800 COLUMBIA, SC, 29201 803-509-6600</div>
	SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
NOT FOR CONSTRUCTION	BRIDGE TYPICAL SECTION S-11-138 (GOUCHER SCHOOL ROAD) BRIDGE REPLACEMENT OVER GOUCHER CREEK
	COUNTY CHEROKEE