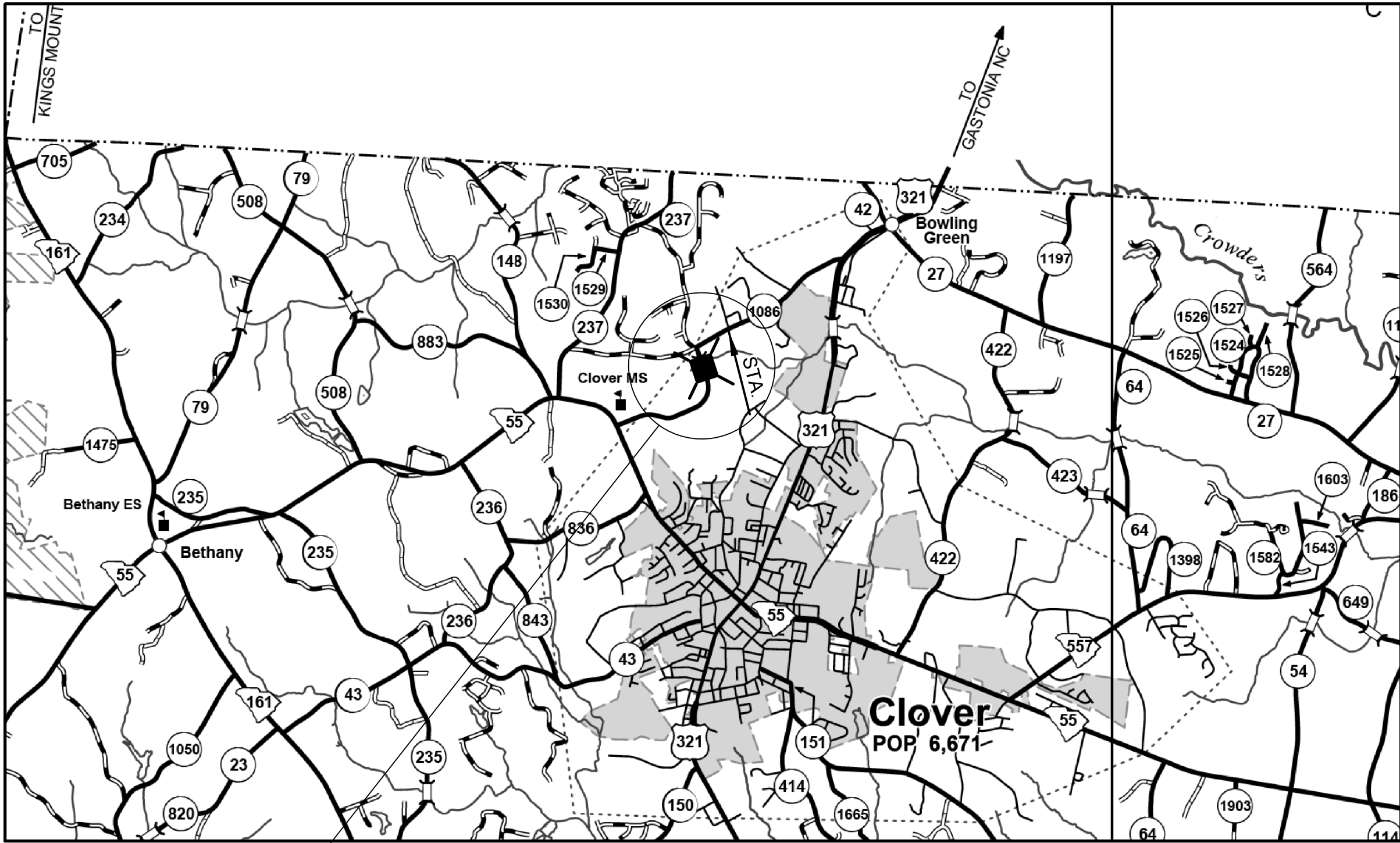


- INDEX OF SHEETS
- 1. TITLE SHEET
  - 2. BRIDGE PLAN AND PROFILE
  - 3. BRIDGE TYPICAL SECTION



PROPOSED PLANS  
FOR  
YORK COUNTY  
PROJECT ID P041173  
STATE ROUTE S-46-1086 (BARRETT RD)  
REPLACE BRIDGE OVER BEAVERDAM CREEK



SITE LOCATION

LAYOUT

Approximate Location of Bridge is  
Latitude 35°-08'-18" N  
Longitude 81°-13'-56" W

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

2025	ADT	1,650	V.P.D.
2045*	ADT	2,300*	V.P.D.

TRUCKS 5 %

\*DESIGN TRAFFIC DATA

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.019	MILES
NET LENGTH OF PROJECT	0.019	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.019	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

**HNTB**

HNTB CORPORATION  
SC License No. 265  
343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609

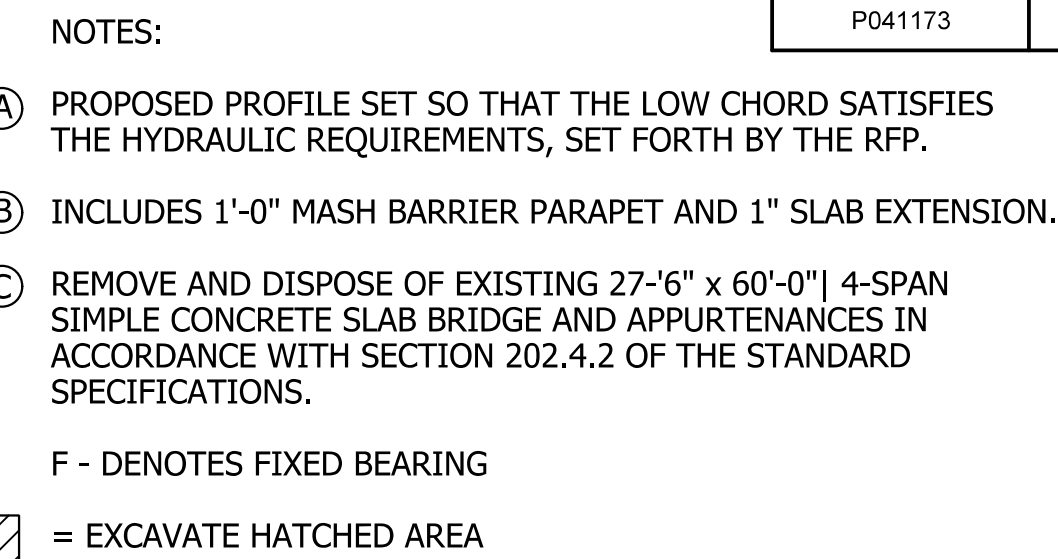
ENGINEER OF RECORD

**CONCEPTUAL  
PLANS  
NOT FOR  
CONSTRUCTION**

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

REVIEWED	DR.	NEW	BY	CHK	DATE
					6/23

CADD FILE INFORMATION 4:05:05 PM  
PLOTTED DATE: 7/5/2023  
FILE NAME: ...Prp\_001\_S\_46\_1086\_P041173\_1.s.dgn

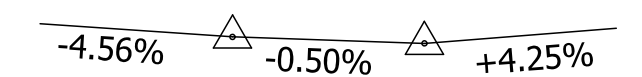


PSC1  
ELEVATION = 803.63'  
N 1200789.02 E 1930360.61  
#5 RBR

PSC2  
ELEVATION = 796.12'  
N 1201228.34 E 1930784.37  
#5 RBR



PVI = 33+00.00	PVI = 37+30.00
ELEV. 756.49	ELEV. 754.34
V.C. = 270'	V.C. = 305'

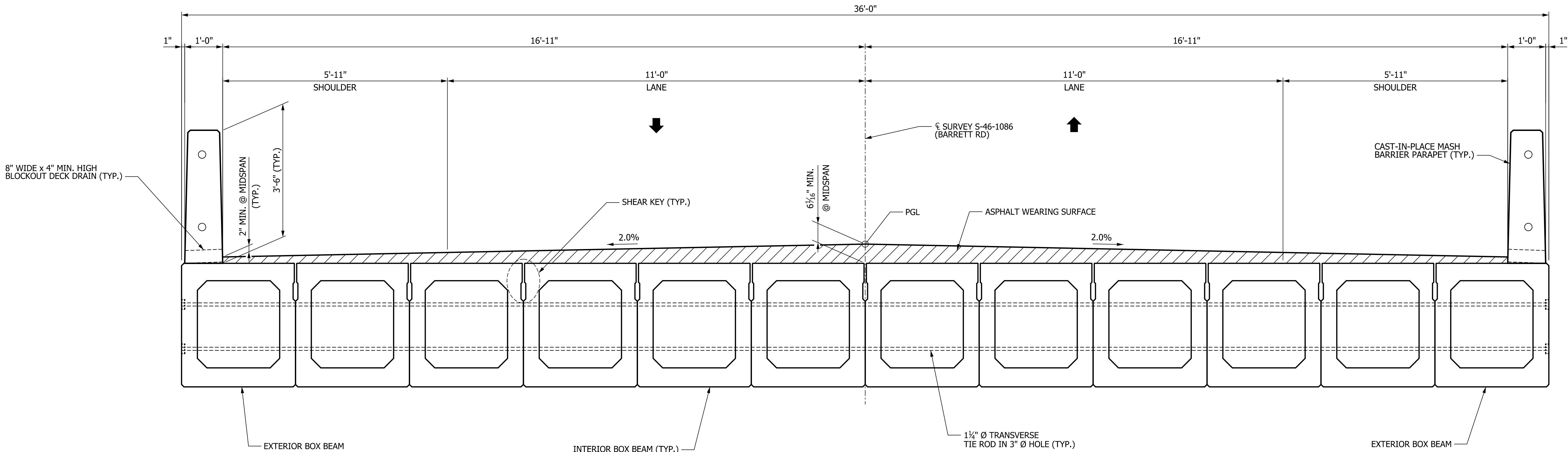


D.A. = 0.6 SQ. MILES  
Q\_25 = 346 CFS  
VELOCITY\_25 = 4.9 FPS  
AREA FURNISHED UNDER\_25 = 103.8 SQ. FT.  
Q\_100 = 490 CFS  
VELOCITY\_100 = 6.0 FPS  
AREA FURNISHED UNDER\_100 = 148.9 SQ. FT.

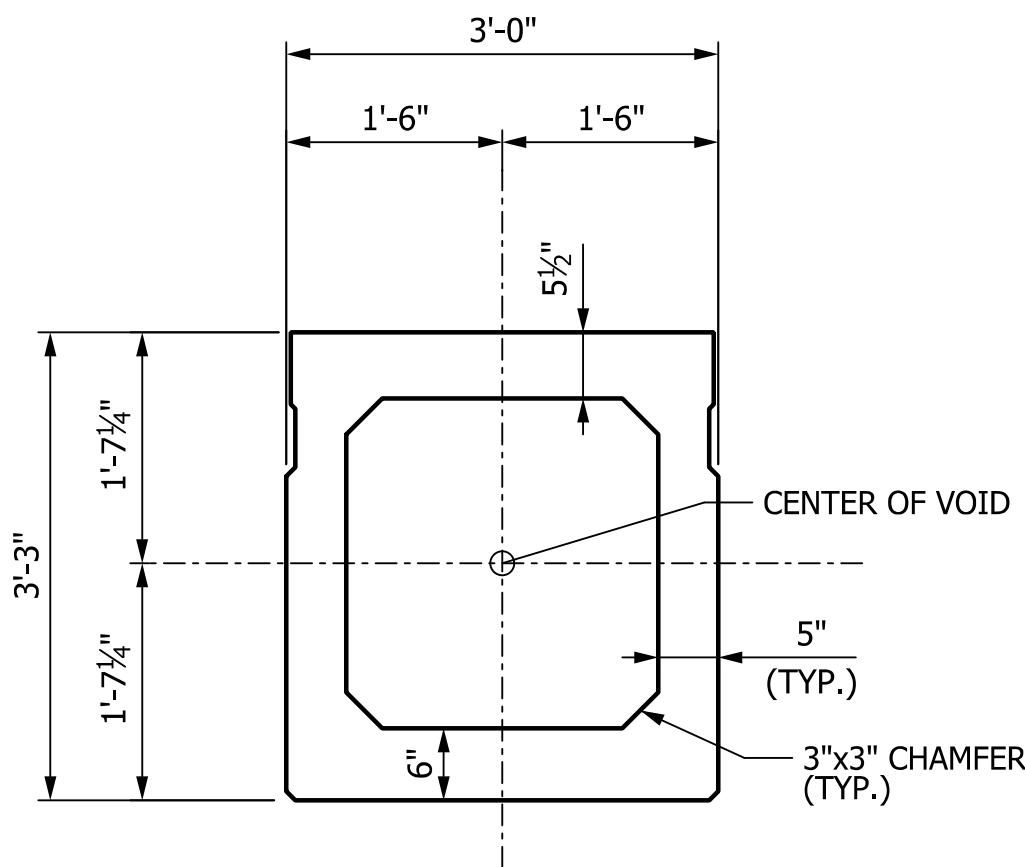
Q = 7,200 CFS  
PROBABILITY < 0.2%



<div>CONCEPTUAL PLANS</div>				<div><div><div>HNTB</div><div>HNTB CORPORATION SC License No. 265 343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609</div></div></div>			
REV.				<div>SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION</div>			
REV.							
REV.							
REVIEWED				<div>BRIDGE PLAN AND PROFILE</div> <div>S-46-1086 (BARRETT RD) BRIDGE REPLACEMENT OVER BEAVERDAM CREEK</div>			
QUAN.							
DR.	MEW	BJA	6/23				
DES.							
	BY	CHK.	DATE				
				COUNTY YORK		ROUTE S-46-1086	



TYPICAL SECTION  
(LOOKING IN DIRECTION OF STATIONING)



INTERIOR BOX BEAM SECTION

NOT FOR CONSTRUCTION	CONCEPTUAL PLANS				HNTB HNTB CORPORATION SC License No. 265 343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609			
	REV.				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION			
	REV.							
	REV.							
	REVIEWED				BRIDGE TYPICAL SECTION S-46-1086 (BARRETT RD) BRIDGE REPLACEMENT OVER BEAVERDAM CREEK			
	QUAN.							
					DR.	MEW	BJA	6/23
					DES.			
					BY	CHK.	DATE	COUNTY YORK
					ROUTE S-46-1086			