525'-0" TOTAL LENGTH OF BRIDGE (FILL FACE TO FILL FACE)

315'-0" UNIT 1 (FILL FACE TO ℄ JOINT @ BENT 1)

105'-0" (SPAN A)

315'-0" UNIT 2 (℄ JOINT @ BENT 1 TO ℄ JOINT @ BENT 4)

21'-0"

6'-10"

#5B2 (TYP. EA. SIDE)

1'-11" SPLICE (TYP.)

#4B3 (TYP. EA. SIDE) (3 BAR RUNS)

℄ JOINT @ BENT NO. 1

1'-6"

1½"

6½" (TYP.)

3"

10" BLOCKOUT

97-#5B2 @ 4½" CTS. (TOP OF SLAB)

25-#4B3 @ 1'-6" CTS. (TOP OF SLAB)

1'-3¾" (TYP.)

℄ GDR. A1

GUTTERLINE

10" BENT DIAPHRAGM (TYP. EA. BAY)

#5G1

6-#4S1, #4S3, & #4S4 @ 11½" CTS. TO MATCH #4V1 IN CAP (TYP. EACH BAY)

℄ GDR. A2

6-#4S6 @ 1'-0" CTS. (TYP. EA. BAY)

37'-1" OUT TO OUT

33'-10" CLEAR ROADWAY

16'-11"

35'-2" (APPROACH SLAB BLOCKOUT)

-L-

10½" (TYP.)

W.P. #1

W.P. #2

℄ GDR. A3

90°00'00" (TYP.)

9-#5B1 @ 8½" CTS. (BOTT. OF SLAB) (TYP. EA. BAY) (2 BAR RUNS)

6-#5S5 @ 1'-0" CTS. (TYP. EA. BAY)

TRANSVERSE CONST. JT.

5-#4K1

FILL FACE @ END BENT NO. 1

#4K2 THRU K5 (TYP. EA. BAY)

℄ GDR. A4

2-#8K16 (TYP. OVER EA. INT. GDR.)

GUTTERLINE

℄ GDR. A5

2-#8K15 (TYP. OVER EA. EXT. GDR.)

SEE DETAIL "A"

3½" (TYP.)

4-#5B1 @ 3 EQ. SPA. (BOTT. OF SLAB) (TYP. EA. OVERHANG) (2 BAR RUNS)

PERMITTED TRANSVERSE CONST. JT.

2'-6"

#4K6 THRU K9 (TYP. EA. END)

1'-2"

208-#5A1 BARS @ 6" CTS. (TOP OF SLAB) (UNIT 1)

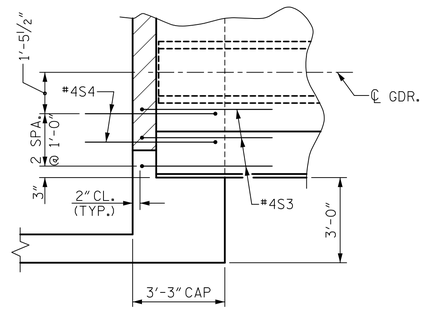
208-#5A2 BARS @ 6" CTS. (BOTT. OF SLAB) (UNIT 1)

4"

4'-0"

9- 6" Ø PIPE DRAINS @ 12'-0" CTS. (IN SPAN A) (TYP. EACH SIDE)

PLAN OF SPAN A



DETAIL "A"

(TYPICAL FOR EACH DECK CORNER)
(S1 BARS NOT SHOWN FOR CLARITY)

PROJECT NO. B-4407

ANSON/STANLY COUNTY

STATION: 32+31.61 -L-

SHEET 1 OF 5

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE
PLAN OF SPAN A

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 042890 PATRICK R. GALLAGHER
3/18/2021

Vaughn & Melton
Consulting Engineers
Asheville, North Carolina 828-253-2796
Boone, NC 828-355-9933
Tri-Cities, TN 423-467-8401
Knoxville, TN 865-546-5800
Spartanburg, SC 864-574-4775
Charleston, SC 843-974-5650
Middlesboro, KY 606-248-6600
Raleigh, NC 919-977-9455
Charlotte, NC 704-357-0488
Atlanta, GA 770-627-3590

Copyright © 2006 Vaughn & Melton, Inc. All Rights Reserved

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DWN. BY: WDC DATE: 10/2020
CHKD. BY: PRG DATE: 10/2020
DES. EGR. OF RECORD: PRG DATE: 10/2020

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-9
1			3			TOTAL SHEETS
2			4			45

w/crutcher
DGN: V:\NCT\transportation\3170-09 B4407\Structures\Final Plans\400_DIT_B-4407_SMU_PS01_SD9.dgn
TIME: 10:04 PM on Wednesday, February 03, 2021