TOTAL ARC LENGTH = 304'-6⅝" END OF DECK TO END OF DECK (MEASURED ALONG OUTSIDE EDGE OF SUPERSTRUCTURE)

ARC LENGTH = 125'-5 1/16" (MEASURED ALONG OUTSIDE EDGE OF SUPERSTRUCTURE)

ARC LENGTH = 126'-3" (ALONG ARC) (W.P. #1 TO W.P. #2)

℄ JOINT @ END BENT 1

496 - #5A1 @ 7"CTS (TOP OF SLAB)
496 - #5A2 @ 7"CTS (BOTTOM OF SLAB)

7"

6½"

44-#4J1 @ 1'-0"CTS.

2-#8K1 (OVER EXT. GDR.)

#6K4 THRU #6K6 (TYP. EA. BAY)

10" END BENT DIAPHRAGM

2'-8 15/16"

2-#8K2 (TYP. OVER EA. INT. GDR.)

SEE DETAIL A

47'-7⅝"

W.P. #1

67°58'-47" TO SHORT CHORD

FILL FACE @ END BENT 1

6-#4S1 AND #5S2 @ 1'-0"CTS. (TYP. EA. BAY)

TRANSVERSE CONST. JT.

19'-10 1/16"

2-#8K3 (OVER EXT. GDR.)

4'-0"

2-#5G1 @ 6"CTS. (PARALLEL TO JOINT)

#4B1 (3 BAR RUN) (TOP OF SLAB) (TYP. EA. SIDE)

✱✱ 3"

✱✱ 7½" (TYP.)

2'-0" MIN. SPLICE (TYP.)

1-#7B3 AND #7B4 (2 BAR RUN) (TOP OF SLAB) (TYP. EA. SIDE)

42'-0"

41'-0"

20'-0"

20'-0"

BENT 1 CONTROL LINE

℄ GDR. A1

℄ GDR. A2

℄ GDR. A3

SHORT CHORD

℄ GDR. A4

-Y4RPBD-

℄ GDR. A5

29-#4B1 @ ✱✱ 1'-6"CTS. (3 BAR RUN) (TOP OF SLAB)

29-#7B3 AND #7B4 @ ✱✱ 1'-6"CTS. (2 BAR RUN) (TOP OF SLAB) ALTERNATE BARS TO STAGGER LAP ABOUT BENT 1 CONTROL LINE

56-#7B5 IN PAIRS @ ✱✱ 6"CTS. BETWEEN #7B3 AND #7B4 (TOP OF SLAB) SEE DETAIL B, SHEET 2 OF 3

1'-11"

7-#5B2 @ 10"CTS. (6 BAR RUN) (BOTTOM OF SLAB) (TYP. EA. BAY)

1'-11"

1'-9½"

4-#5B2 @ EQ. SPA. (6 BAR RUN) (BOTTOM OF SLAB) (TYP. EA. OVERHANG)

✱✱ 3"

GUTTERLINE (TYP.)

℄ GDR. B1

7-#4K9 (TYP. EA. EXT. GDR.)

7-#4K10 (TYP. EA. INT. GDR.)

2'-4" BENT DIAPHRAGM (TYP.)

℄ GDR. B2

TRANSVERSE CONST. JT.

8-#4 "U" @ 1'-0"CTS. AND 44-#4S3 (TYP. EA. BAY)

℄ GDR. B3

W.P. #2

SHORT CHORD

67°-58'-47" TO SHORT CHORD

72°-34'-23" TO SHORT CHORD

℄ GDR. B4

#4 "K" BARS (TYP. EA. FACE TYP. EA. BAY)

℄ GDR. B5

✱✱ 1½"

✱✱ 1'-6"

✱✱ 1'-7½"

✱✱ 24'-0"

✱✱ 40'-0" (CLEAR ROADWAY)

✱✱ 43'-3" (OUT-TO-OUT)

✱✱ 16'-0"

✱✱ 1½"

✱✱ 1'-6"

✱✱ 1'-7½"

7'-0"

BARRIER RAIL (TYP.)

ARC LENGTH = 124'-8 15/16" (MEASURED ALONG OUTSIDE OF SUPERSTRUCTURE)

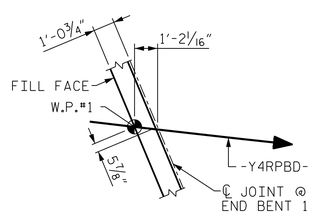
TOTAL ARC LENGTH = 303'-5" END OF DECK TO END OF DECK (MEASURED ALONG OUTSIDE OF SUPERSTRUCTURE)

(1) #5A101 THRU #5A112 @ 7"CTS. (TOP OF SLAB) (2 BARS PER MARK)
#5A201 THRU #5A212 @ 7"CTS. (BOTTOM OF SLAB) (2 BARS PER MARK)

(2) 7'-4⅝" TO FIRST A1 OR A2

PLAN OF SPAN A

✱✱ RADIAL DIMENSIONS



DETAIL A

NOTES

FOR LAP LENGTHS NOT SHOWN, REFER TO TABLE ON SUPERSTRUCTURE BILL OF MATERIAL.

STEEL INTERMEDIATE DIAPHRAGMS NOT SHOWN FOR CLARITY. FOR LOCATIONS, SEE FRAMING PLAN SPAN A THRU FRAMING PLAN SPAN C

FOR TRANSVERSE CONSTRUCTION JOINT DETAIL, SEE POURING SEQUENCE.

PROJECT NO. U-2579B
FORSYTH COUNTY
STATION: 52+94.28 -Y4RPBD-

SHEET 1 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

PLAN OF SPAN A

DESIGNED BY:	J. SMITH	DATE :	MAR 2014
DRAWN BY:	K. WHITE	DATE :	MAR 2014
CHECKED BY:	J. SHERMAN	DATE :	APR 2014
DESIGN ENGINEER OF RECORD:	J. DOUGHTY	DATE :	MAY 2014

PARSONS BRINCKERHOFF
434 FAYETTEVILLE STREET
SUITE 1500
RALEIGH, NC 27601
LICENSE NO. F-0165

NORTH CAROLINA PROFESSIONAL SEAL 032967 ENGINEER JASON R. DOUGHTY
6/2/2014
DocuSigned by: Jason R Doughty
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REVISIONS							SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:		S-593
1			3				TOTAL SHEETS
2			4				707

STR. #16

6/2/2014
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