



### EXPANSION BEARING ORIENTATION DIAGRAM

EXPANSION CHORD SETTING ANGLES					
LOCATION	END BENT 1		BENT 1	END BENT 2	
	T	C	T	T	C
GIRDERS 1-4	37°08'18"	35°55'17"	28°13'58"	31°09'09"	32°55'42"

**NOTES**  
 C = ANGLE FROM  $\phi$  BRG TO EXPANSION CHORD  
 T = ANGLE FROM  $\phi$  BRG TO LOCAL TANGENT TO CURVE

PROJECT NO. B-3186/B-5898  
HAYWOOD COUNTY  
 STATION: 27+54.43 -Y1RT-

SHEET 3 OF 3



W. Brian Watson 1/24/2022

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

## SUPERSTRUCTURE DISC BEARING DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	502-22
1	--	--	3	--	--	TOTAL SHEETS
2	--	--	4	--	--	48

**HDR** HDR Engineering, Inc. of the Carolinas  
 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601  
 N.C.B.E.L.S. License Number: F-0116

**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

PLOT DRIVER: NCDOT\_STRUCTURE\_DEFAULT\_PLOTTER.plt PENTABLE: NCDOT\_STRUCTURE\_DEFAULT\_PEN.tbl  
 USER: PPEITERSO DATE: 1/24/2022 TIME: 1:30:02 PM  
 FILE: ... \402.105.B3186-B5898.SMUL.BG.022.430168.dgn

DES BY: <u>S. NIFONG</u>	DATE: <u>05/21</u>	DWG BY: <u>M. SELLS</u>	DATE: <u>05/21</u>
DES CHK: <u>N. DAVIS</u>	DATE: <u>05/21</u>	CHK BY: <u>S. NIFONG</u>	DATE: <u>06/21</u>