

OFFSET	ANGLES
D1 = 1.865'	① 73°18'02"
	② 74°24'11"
	③ 72°29'17"
	④ 73°35'26" TANGENT TO CURVE
	⑤ 14°47'05"

### LONG CHORD LAYOUT

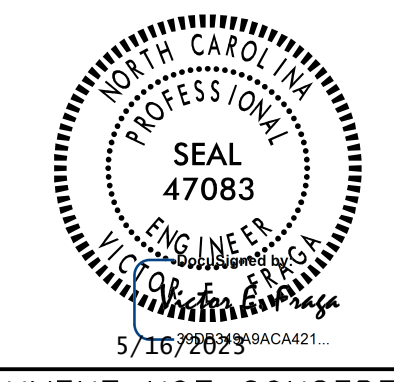
NOTES:  
 ALL BENTS ARE PARALLEL.  
 BRIDGE DECK AND APPROACH SLABS ARE SET CONCENTRIC WITH -Y3-.  
 GIRDERS ARE SET PARALLEL TO SHORT CHORDS.  
 \* WORK POINT PROJECTED ON LONG CHORD.

PROJECT NO. R-2707D  
CLEVELAND COUNTY  
 STATION: 23+21.80 -Y3-

SHEET 4 OF 6

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

GENERAL DRAWING  
 FOR BRIDGE OVER US 74 BYPASS  
 ON SR 2047 BORDERS RD.  
 BETWEEN SR 2052 (ELIZABETH AVE.) AND  
 US 74 BUS. (E MARION ST.)



DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S3-04
1			3			TOTAL SHEETS
2			4			36

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DRAWN BY : V. E. FRAGA DATE : 05/29/18  
 CHECKED BY : T. N. ENNIS DATE : 08/14/18  
 DESIGN ENGINEER OF RECORD: V. E. FRAGA DATE : 05/16/23

5/16/2023 11:32:30 AM jHagenbush c:\pvt\work\king\dms55403\2707D\_SMLL\COI\_220490.dgn