TEXAS STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION COMMON V 7.1.9

ROADWAY DESIGN SYSTEM *** BRIDGE GEOMETRICS ***

EXAMPLE PROBLEM MARCH 18, 1999

CONTROL 1234 SECTION 56A COUNTY + HIGHWAY - EXAMPLE PROBLEM

SLAB 2 3 1 2 3 4 8.0000 8.0000 B B

SLAB REPORT

SPAN 2

		SEG. NO.	SEGMENT LENGTH	SEGMENT OR CHORD BEARING	CHORD LENGTH	RADIUS	ACCUMULATED SEGMENT LENGTHS	DISTANCE TO RADIAL INTERSECT
LEFT EDGE	(PSLB 1)	1	13.5314	N 72 20 49.96 E	13.5314	0.0000	13.5314	
		2	66.2786	N 73 39 19.15 E	66.2729	-1451.5195	79.8100	18.7854
RIGHT EDGE	(PSLB 2)	1	80.2104	N 74 10 49.88 E	80.1997	-1413.2695	80.2104	59.4165

		SEG. NO.	SEGMENT LENGTH	SEGMENT BEARING	SKEW ANGLE	DISTANCE TO STATION LINE	RADIAL DISTANCE
		1	2.0000	N 17 39 10.04 W			
BACK EDGE	(BENT 2)	2	39.0087	N 46 13 15.82 W	28 34 5.79	19.4990	36.2500
		3	2.0000	N 17 26 43.43 W			
		1	2.0000	N 15 2 11.66 W			
FORWARD EDGE	(BENT 3)	2	40.2139	N 46 13 15.82 W	31 36 0.00	20.0615	36.2500
		3	2.0000	N 14 11 36.82 W			

SLAB DEPTH = 8.0000 IN., OVERHANG DEPTH = 8.0000 IN.
SLAB AREA = 3060.3195 SQ. FT. = 340.0355 SQ. YDS.

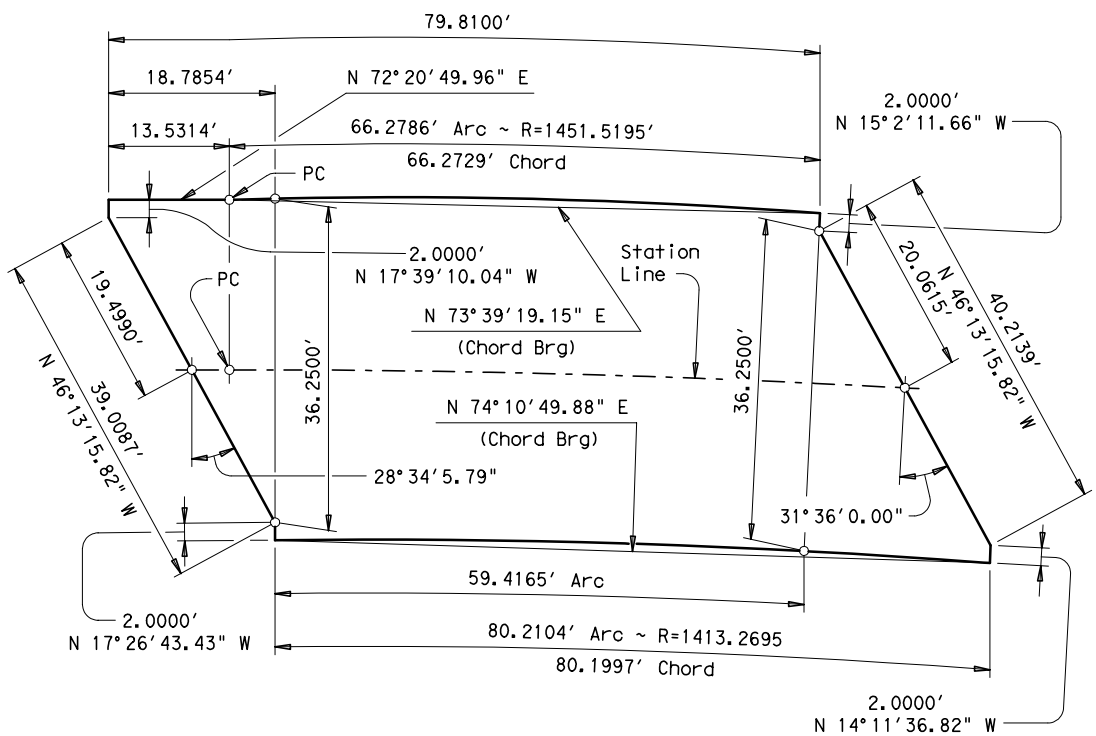

Fig. 5-11