

Given:

Curve Left

$\Delta = 27^{\circ}54'27''$

$R = 1384.96'$

$ROW = 600'$  ( 300' | 300' )

$PC = 5+87.89$

$PC\ to\ PI = N12^{\circ}59'46''E$

Find:

- 1) The central angle (alpha) between stations 8+50 and 9+50 on the outside the ROW.
- 2) Calculate the outside ROW actual arc distance between 8+79.40 and 10+69.91.
- 3) Calculate for the inside ROW the sub-chord (SC) between stations 6+11.42 and 11+02.47.
- 4) Calculate the sub-chord bearing between 7+50 and 10+50 on the outside ROW.

5) Calculate the station of the POC for which the sub-chord bearing is North from the PC on the inside ROW.

6) For the outside ROW,  $TO = 170.43'$ . What is the POC station?

7) Calculate for the inside ROW:

	STA	H angle RT	HD
Instr.	9+25		
BS	8+00	_____	_____
FS	10+75	_____	_____