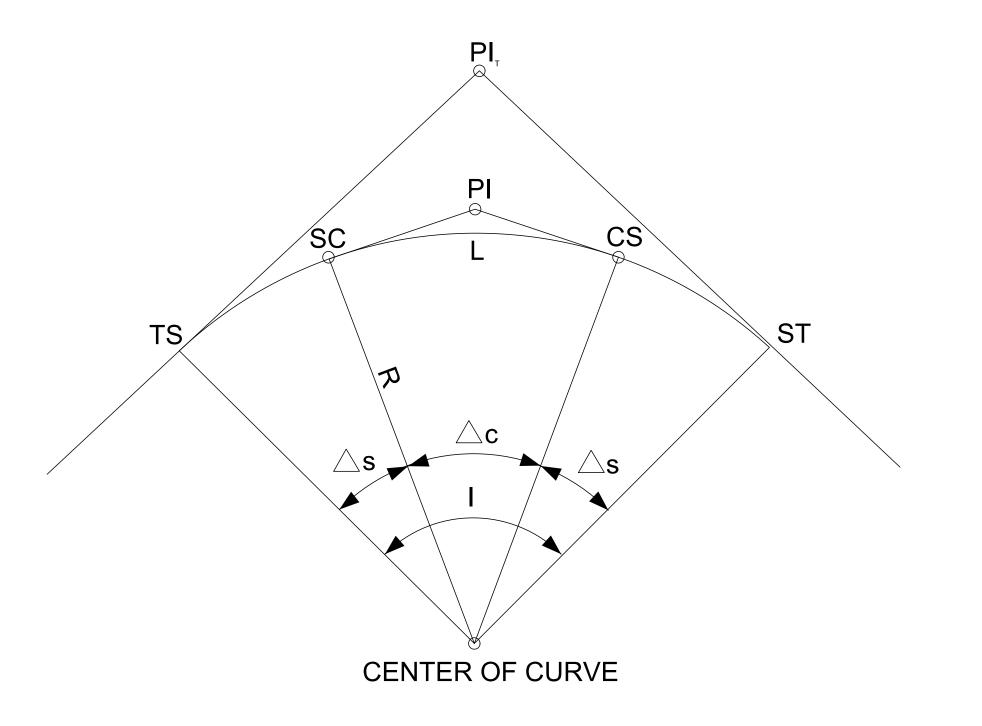
HORIZONTAL CURVE GEOMETRY SHEET

DATE: OCTOBER 13, 2022

PROJECT REFERENCE NO. RR-2B U-5724 R/W SHEET NO.





PI=PI₋ PT CENTER OF CURVE

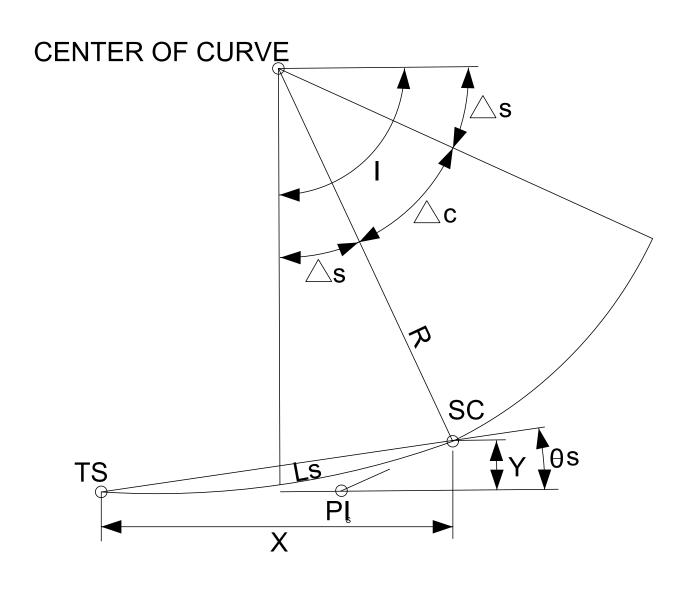


FIGURE A CIRCULAR CURVE WITH SPIRAL TRANSITION CURVES

FIGURE B SIMPLE CIRCULAR CURVE

FIGURE C SPIRAL TRANSITION CURVE

POL PINC POL **BEARING 1 BEARING 2**

FIGURE D DEFLECTION BETWEEN TANGENTS

R	RADIUS OF CURVATURE	$Pl_{\scriptscriptstyle \mathrm{c}}$	POINT OF INTERSECTION (CIRCULAR CURVE)
Dc	DEGREE OF CURVATURE (CHORD DEFINED)	ΡĮ	POINT OF INTERSECTION (TANGENT)
L	LENGTH OF CURVE (CHORD DEFINED)	PĮ	POINT OF INTERSECTION (SPIRAL)
I	TOTAL INTERSECTION ANGLE	PC	TANGENT TO CIRCULAR CURVE
\triangle C	CURVE ANGLE	PT	CIRCULAR CURVE TO TANGENT
riangle s	SPIRAL ANGLE	TS	TANGENT TO SPIRAL
θs	SPIRAL DEFLECTION	SC	SPIRAL TO CIRCULAR CURVE
Ls	LENGTH OF SPIRAL	CS	CIRCULAR CURVE TO SPIRAL
Χ	SPIRAL TANGENT LENGTH TO OFFSET	ST	SPIRAL TO TANGENT
Y	SPIRAL TANGENT OFFSET	PINC	POINT OF INTERSECTION NO CURVE