

Exhibit XX - SVRy Curve Data

Preliminary Data from:

	SVRy R/W Deed Map Sta1651+ <u>-Sta1639+95.8</u> 1104.2±	SVRy R/W Map Sta1651+86.7 <u>-Sta1640+01</u> 1185.7	By Plats None Given
Length of Curves			
Curve Deflection Angles	$\Delta_1 = 20^\circ 13'$	$= 20^\circ 38'$	$= 20^\circ 43'$
	$\Delta_2 = 120^\circ$	$= 117^\circ 43'$	$= 119^\circ 52'$
	$\Delta_3 = \text{Not Shown}$	$= \underline{37^\circ 34}'$	$= \underline{34^\circ 54}'$
	$\Sigma \Delta =$	$175^\circ 55'$	$175^\circ 29'$
Degree of Curve	$D_1 = 10^\circ$	$= 10^\circ 32'$	Not Given
	$D_2 = 16^\circ 36'$	$= 16^\circ$	
	$D_3 = 20^\circ$	$= 20^\circ$	

Computed Tangent Distances from Plats

$$T_1 + T_2 = 698.924' \qquad T_2 + T_3 = 684.767'$$

Balanced Tangent Distances

$$T_1 = 103.796' \qquad T_2 = 595.128' \qquad T_3 = 89.639'$$

Centerline Curve Data using Balanced Tangent Distances and Curve Deflection Angles by the Plats as Known Quantities

	Curve No. 1	Curve No. 2	Curve No. 3
PC	= 1639+95.8	= 1642+01.125	= 1649+21.887
D	= $10^\circ 05' 23''$	= $16^\circ 37' 50''$	= $20^\circ 05' 31''$
R	= 567.866'	= 344.521'	= 285.166'
Δ	= $20^\circ 43'$	= $119^\circ 52'$	= $34^\circ 54'$
C	= 204.209'	= 596.327'	= 171.027'
T	= 103.796'	= 595.128'	= 89.639'
PI	= 1640+99.596	= 1647+96.253	= 1650+11.526
L	= 205.325'	= 720.762'	= 173.700'
PT	= 1642+01.125	= 1649+21.887	= 1650+95.587

Right-of-Way Curve Data

R	= 517.866'	= 294.521'	= 235.166'
Δ	= $20^\circ 43'$	= $119^\circ 52'$	= $34^\circ 54'$
C	= 186.229'	= 509.782'	= 141.040'
T	= 94.657'	= 508.757'	= 73.922'
L	= 187.247'	= 616.158'	= 143.244'