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Project : **Penndot Project SR309-103**

Section Generated By : **Bernie Mares**

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Welded Girder Geometry

Overall section depth "out to out of flanges",	Depth : 50.75"
Top Flange width,	A : 16.5"
Top Flange thickness,	T1 : 2.75"
Bottom Flange width,	B : 16.5"
Bottom Flange thickness,	T2 : 2.75"
Web thickness,	T3 : 0.5625"

Plate Make-up

Top Flange	Bottom Flange	Web	Area	Weight per foot
2.75 x 16.5	2.75 x 16.5	0.5625 x 45.25	116.2 in²	395.41 lbs/ft

Welded Girder Section Properties

Section				Top Flange			Bottom Flange	
Ix (in ⁴)	Iy (in ⁴)	rx (in)	ry (in)	Sx (in ³)	Sy (in ³)	rt (in)	Sx (in ³)	Sy (in ³)
56672.26	2059.56	22.08	4.21	2233.39	124.78	4.56	2233.39	124.78

Cross Sectional Graphic

