

SWO 4488(1) - U.S. 62 & Rogers Lane - Comanche County  
 Cogo List  
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Horizontal Alignment Name: C011 (Cont.)

PT ( 11223) 47+21.15 1851654.2442 474433.4217  
 PC ( 11231) 47+66.57 1851679.4091 474471.2323  
 Tangent Direction: N 33°38'44.72" E  
 Tangent Length: 45.42

Element: Circular

PC ( 11231) 47+66.57 1851679.4091 474471.2323  
 PI ( ) 49+71.30 1851792.8411 474641.6658  
 CC ( 11232) 1851083.1833 474868.0505  
 PT ( 11233) 51+65.39 1851799.0582 474846.3013  
 Radius: 716.21

Delta: 31°54'20.08" Left  
 Degree of Curvature(Arc): 7°59'59.68"  
 Length: 398.82  
 Tangent: 204.73  
 Chord: 393.69  
 Middle Ordinate: 27.58  
 External: 28.69  
 Tangent Direction: N 33°38'44.72" E  
 Radial Direction: S 56°21'15.28" E  
 Chord Direction: N 17°41'34.68" E  
 Radial Direction: S 88°15'35.36" E  
 Tangent Direction: N 1°44'24.64" E

Project Name: SWO4488\_1  
 Description:  
 Horizontal Alignment Name: C012  
 Description: RAMP "C"  
 Style: Centerline

	STATION	EASTING	NORTHING
Element: Linear			
POB ( 380)	53+35.59	1852189.2329	474975.4973
PC ( 11241)	56+23.06	1852225.9401	475260.6105
Tangent Direction:	N 7°20'10.46" E		
Tangent Length:	287.47		

Element: Circular

PC ( 11241) 56+23.06 1852225.9401 475260.6105  
 PI ( ) 57+26.07 1852239.0943 475362.7826  
 CC ( 11242) 1850333.1030 475504.3055  
 PT ( 11243) 58+28.89 1852241.1740 475465.7770  
 Radius: 1908.46

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Horizontal Alignment Name: C012 (Cont.)

Delta: 6°10'46.04" Left  
 Degree of Curvature(Arc): 3°00'07.92"  
 Length: 205.83  
 Tangent: 103.02  
 Chord: 205.73  
 Middle Ordinate: 2.77  
 External: 2.78  
 Tangent Direction: N 7°20'10.46" E  
 Radial Direction: S 82°39'49.54" E  
 Chord Direction: N 4°14'47.43" E  
 Radial Direction: S 88°50'35.59" E  
 Tangent Direction: N 1°09'24.41" E

Element: Linear

PT ( 11243) 58+28.89 1852241.1740 475465.7770  
 PC ( 11251) 70+00.83 1852264.8335 476637.4786  
 Tangent Direction: N 1°09'24.41" E  
 Tangent Length: 1171.94

Element: Circular

PC ( 11251) 70+00.83 1852264.8335 476637.4786  
 PI ( ) 71+01.99 1852266.8757 476738.6180  
 CC ( 11252) 1850992.7274 476663.1655  
 PT ( 11253) 72+02.72 1852252.9110 476838.8095  
 Radius: 1272.37  
 Delta: 9°05'29.51" Left

Degree of Curvature(Arc): 4°30'11.13"  
 Length: 201.90  
 Tangent: 101.16  
 Chord: 201.68  
 Middle Ordinate: 4.00  
 External: 4.02  
 Tangent Direction: N 1°09'24.41" E  
 Radial Direction: S 88°50'35.59" E  
 Chord Direction: N 3°23'20.34" W  
 Radial Direction: N 82°03'54.90" E  
 Tangent Direction: N 7°56'05.10" W

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Horizontal Alignment Name: C012 (Cont.)

Element: Linear

PT ( 11253) 72+02.72 1852252.9110 476838.8095  
 PC ( 11261) 74+78.86 1852214.7918 477112.3016  
 Tangent Direction: N 7°56'05.10" W  
 Tangent Length: 276.14

Element: Circular

PC ( 11261) 74+78.86 1852214.7918 477112.3016  
 PI ( ) 76+56.12 1852190.3217 477287.8658  
 CC ( 11262) 1853348.1165 477270.2641  
 PCC ( 11263) 78+30.59 1852220.1174 477462.6050  
 Radius: 1144.28  
 Delta: 17°36'41.33" Right

Degree of Curvature(Arc): 5°00'25.73"  
 Length: 351.73  
 Tangent: 177.26  
 Chord: 350.34  
 Middle Ordinate: 13.49  
 External: 13.65

Tangent Direction: N 7°56'05.10" W  
 Radial Direction: N 82°03'54.90" E  
 Chord Direction: N 0°52'15.56" E  
 Radial Direction: S 80°19'23.77" E  
 Tangent Direction: N 9°40'36.23" E

Element: Circular

PCC ( 11263) 78+30.59 1852220.1174 477462.6050  
 PI ( ) 79+14.56 1852234.2331 477545.3878  
 CC ( 11272) 1855039.7444 476981.8158  
 PT ( 11273) 79+98.49 1852253.1812 477627.1999  
 Radius: 2860.32  
 Delta: 3°21'48.18" Right

Degree of Curvature(Arc): 2°00'11.24"  
 Length: 167.91  
 Tangent: 83.98  
 Chord: 167.88  
 Middle Ordinate: 1.23  
 External: 1.23  
 Tangent Direction: N 9°40'36.23" E  
 Radial Direction: S 80°19'23.77" E  
 Chord Direction: N 11°21'30.32" E  
 Radial Direction: S 76°57'35.59" E  
 Tangent Direction: N 13°02'24.41" E