

SWO 4488(1) - U.S. 62 & Rogers Lane - Comanche County
 Cogo List
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Project Name: SWO4488_1
 Description:
 Horizontal Alignment Name: D021
 Description: RT LANE
 Style: Centerline

STATION	EASTING	NORTHING
Element: Linear		
POB (2007)	20+38.69	1852029.8283 471728.7184
PC (11701)	30+25.41	1852050.1524 472715.2239
Tangent Direction:	N 1°10'48.90" E	
Tangent Length:	986.71	

Element: Circular
 PC (11701) 30+25.41 1852050.1524 472715.2239
 PI () 33+86.22 1852057.3843 473075.9574
 CC (11702) 1848233.3415 472793.8585
 PT (11703) 37+44.89 1851997.3012 473431.6957
 Radius: 3817.62

Delta: 10°47'53.42" Left
 Degree of Curvature(Arc): 1°30'02.97"
 Length: 719.48
 Tangent: 360.81
 Chord: 718.42
 Middle Ordinate: 16.94
 External: 17.01
 Tangent Direction: N 1°10'48.90" E
 Radial Direction: S 88°49'11.10" E
 Chord Direction: N 4°13'07.81" W
 Radial Direction: N 80°22'55.48" E
 Tangent Direction: N 9°37'04.52" W

Element: Linear
 PT (11703) 37+44.89 1851997.3012 473431.6957
 PC (11711) 41+42.29 1851930.9049 473823.5087
 Tangent Direction: N 9°37'04.52" W
 Tangent Length: 397.40

Element: Circular
 PC (11711) 41+42.29 1851930.9049 473823.5087
 PI () 45+22.33 1851867.4089 474198.2068
 CC (11712) 1855698.8356 474462.0189
 PT (11713) 48+99.88 1851878.9496 474578.0716
 Radius: 3821.65
 Delta: 11°21'29.16" Right

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Horizontal Alignment Name: D021 (Cont.)

Degree of Curvature(Arc): 1°29'57.27"
 Length: 757.59
 Tangent: 380.04
 Chord: 756.35
 Middle Ordinate: 18.76
 External: 18.85
 Tangent Direction: N 9°37'04.52" W
 Radial Direction: N 80°22'55.48" E
 Chord Direction: N 3°56'19.94" W
 Radial Direction: S 88°15'35.36" E
 Tangent Direction: N 1°44'24.64" E

Element: Linear
 PT (11713) 48+99.88 1851878.9496 474578.0716
 PI (2022) 49+43.04 1851880.2603 474621.2116
 Tangent Direction: N 1°44'24.64" E
 Tangent Length: 43.16

Element: Linear
 PI (2022) 49+43.04 1851880.2603 474621.2116
 PI (2016) 53+01.08 1851891.1330 474979.0881
 Tangent Direction: N 1°44'24.64" E
 Tangent Length: 358.04

Element: Linear
 PI (2016) 53+01.08 1851891.1330 474979.0881
 PC (11961) 65+15.66 1851928.0164 476193.1099
 Tangent Direction: N 1°44'24.64" E
 Tangent Length: 1214.58

Element: Circular
 PC (11961) 65+15.66 1851928.0164 476193.1099
 PI () 68+23.20 1851937.3556 476500.5107
 CC (11962) 1854746.3348 476107.4860
 PT (11963) 71+28.32 1852012.7447 476798.6699
 Radius: 2819.62
 Delta: 12°26'58.43" Right
 Degree of Curvature(Arc): 2°01'55.34"
 Length: 612.66
 Tangent: 307.54
 Chord: 611.46
 Middle Ordinate: 16.62
 External: 16.72

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Horizontal Alignment Name: D021 (Cont.)

Tangent Direction: N 1°44'24.64" E
 Radial Direction: S 88°15'35.36" E
 Chord Direction: N 7°57'53.85" E
 Radial Direction: S 75°48'36.93" E
 Tangent Direction: N 14°11'23.07" E

Element: Linear
 PT (11963) 71+28.32 1852012.7447 476798.6699
 POE (11981) 93+52.95 1852558.0757 478955.4211
 Tangent Direction: N 14°11'23.07" E
 Tangent Length: 2224.63

Project Name: SWO4488_1
 Description:
 Horizontal Alignment Name: R001

Description:
 Style: Rail Road

STATION	EASTING	NORTHING
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Element: Linear
 POB (383) 2647+93.92 1853055.5106 480325.5419
 PC (11381) 2669+76.01 1852509.7477 478212.8094
 Tangent Direction: S 14°29'02.63" W
 Tangent Length: 2182.09

Element: Circular
 PC (11381) 2669+76.01 1852509.7477 478212.8094
 PI () 2676+44.10 1852342.6501 477565.9488
 CC (11382) 1858057.2943 476779.7623
 PT (11383) 2683+06.19 1852328.8636 476897.9965
 Radius: 5729.65
 Delta: 13°18'05.95" Left
 Degree of Curvature(Chord): 1°00'00.00"
 Length: 1330.18
 Tangent: 668.09
 Chord: 1327.20
 Middle Ordinate: 38.56
 External: 38.82
 Tangent Direction: S 14°29'02.63" W
 Radial Direction: N 75°30'57.37" W
 Chord Direction: S 7°49'59.66" W
 Radial Direction: N 88°49'03.32" W
 Tangent Direction: S 1°10'56.68" W