

Project Name: 000-K-AP01-(PropHorizAlign)

Description:

Horizontal Alignment Name: PropNB

Description:

Style: Standard [Copy 1]

STATION	NORTHING	EASTING
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Element: Linear

POT () 1+27.23 2928736.0550 774350.9831

PI () 2+12.15 2928672.1459 774406.9153

Tangent Direction: S 41^11'30.8137" E

Tangent Length: 84.9281

Element: Linear

PI () 3+11.05 2928589.8750 774460.9514

PI () 5+45.08 2928378.4677 774561.3463

Tangent Direction: S 25^24'9.0285" E

Tangent Length: 234.0345

Element: Linear

PI () 7+15.51 2928225.2979 774636.0568

PC () 9+6.08 2928054.8947 774721.3891

Tangent Direction: S 26^36'0.7713" E

Tangent Length: 190.5751

Element: Circular

SC () 2+42.15 2928649.1837 774426.2143

PI () 2+61.60 2928633.3606 774437.5115

CC () 2928770.6061 774646.4701

CS () 2+81.05 2928616.7074 774447.5450

Radius: 250.0000

Design Speed(mph): 50.0000

Cant(inches): 2.000

Delta: 8^54'50.0416" Right

Degree of Curvature(Chord): 22^55'5.9520"

Length: 38.8942

Length(Chorded): 38.8942

Tangent: 19.4864

Chord: 38.8550

Middle Ordinate: 0.7560

External: 0.7583

Element: Clothoid

Unable to read spiral data for this alignment element.

Element: Clothoid

Unable to read spiral data for this alignment element.

Element: Circular

SC () 5+90.08 2928337.8427 774580.7010

PI () 6+30.29 2928301.6422 774598.2083

CC () 2925671.2872 769205.5065

CS () 6+70.51 2928265.5599 774615.9578

Radius: 6000.0000

Design Speed(mph): 50.0000

Cant(inches): 2.000

Delta: 0^46'4.7562" Left

Degree of Curvature(Chord): 0^57'17.7480"

Length: 80.4235

Length(Chorded): 80.4235

Tangent: 40.2124

Chord: 80.4229

Middle Ordinate: 0.1347

External: 0.1348

Element: Clothoid

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Element: Clothoid

Unable to read spiral data for this alignment element.

Element: Linear

PI () 10+8.40 2927963.4990 774767.3913

PC () 18+2.26 2927255.1311 775125.7525

Tangent Direction: S 26^50'4.9717" E

Tangent Length: 793.8563

Element: Circular

SC () 9+6.08 2928054.8947 774721.3891

PI () 9+57.24 2928009.1733 774744.3434

CC () 2916769.3912 752413.4838

CS () 10+8.40 2927963.4990 774767.3913

Radius: 24999.9999

Design Speed(mph): 50.0000

Cant(inches): 2.000

Delta: 0^14'4.2004" Left

Degree of Curvature(Chord): 0^13'45.0595"

Length: 102.3200

Length(Chorded): 102.3200

Tangent: 51.1601

Chord: 102.3199

Middle Ordinate: 0.0523

External: 0.0523

Element: Circular

SC () 18+82.26 2927183.5831 775161.5405

PI () 21+35.36 2926951.6802 775262.7494

CC () 2928006.6182 777996.2464

CS () 23+88.47 2926711.9102 775343.5731

Radius: 2930.0000

Design Speed(mph): 50.0000

Cant(inches): 2.000

Delta: 9^53'55.9033" Right

Degree of Curvature(Chord): 1^57'19.7570"

Length: 506.2095

Length(Chorded): 506.2095

Tangent: 253.7362

Chord: 505.5801

Middle Ordinate: 10.9253

External: 10.9662

Element: Clothoid

Unable to read spiral data for this alignment element.

Element: Linear

PI () 24+68.47 2926634.8699 775365.1298

TS () 30+46.85 2926077.1758 775518.4456

Tangent Direction: S 15^22'17.2652" E

Tangent Length: 578.3844

Element: Clothoid

Unable to read spiral data for this alignment element.

Element: Circular

SC () 32+1.85 2925926.4056 775554.0540

PI () 35+6.74 2925624.3118 775537.3140

CC () 2925434.8557 776222.0889

CS () 38+11.63 2925356.5736 775396.3990

Radius: 710.5000

Design Speed(mph): 50.0000

Cant(inches): 2.000

Delta: 49^10'25.5193" Right

Degree of Curvature(Chord): 8^03'50.9472"

Length: 609.7823

Length(Chorded): 609.7823

Tangent: 325.0955

Chord: 591.2391

Middle Ordinate: 64.4200

External: 70.8433

Element: Circular

SC () 56+7.88 2924144.5233 774071.3410

PI () 56+70.00 2924108.2508 774020.9348

CC () 2923368.1532 774515.2583

CS () 57+32.11 2924075.5816 773968.1220

Radius: 890.0000

Design Speed(mph): 50.0000

Cant(inches): 2.000

Delta: 7^59'50.4536" Right

Degree of Curvature(Chord): 6^26'15.8292"

Length: 124.2263

Length(Chorded): 124.2263

Tangent: 62.2142

Chord: 124.1254

Middle Ordinate: 2.1666

External: 2.1718

Element: Circular

SC () 61+66.79 2923895.3994 773572.8140

PI () 63+18.83 2923852.4083 773427.0834

CC () 2922691.8704 773690.2406

CS () 64+70.87 2923828.3365 773277.0628

Radius: 1190.0000

Design Speed(mph): 50.0000

Cant(inches): 2.000

Delta: 14^38'27.7534" Right

Degree of Curvature(Chord): 4^48'53.1832"

Length: 304.0859

Length(Chorded): 304.0859

Tangent: 152.8757

Chord: 303.2593

Middle Ordinate: 9.6998

External: 9.7796

Element: Circular

SC () 74+18.17 2923809.9785 772330.1774

PI () 74+65.53 2923805.7947 772283.0096

CC () 2925626.3932 772097.7508

CS () 75+12.88 2923800.3918 772235.9659

Radius: 1830.0000

Design Speed(mph): 50.0000

Cant(inches): 2.000

Delta: 2^57'54.8933" Left

Degree of Curvature(Chord): 3^07'51.3049"

Length: 94.7086

Length(Chorded): 94.7086

Tangent: 47.3649

Chord: 94.6980
Middle Ordinate: 0.6127
External: 0.6129

Element: Circular

SC () 87+5.30 2923613.1389 771058.3871
PI () 87+97.15 2923592.6880 770968.8450
CC () 2925448.8513 770497.8008
CS () 88+89.01 2923567.9672 770880.3864

Radius: 1915.0000

Design Speed(mph): 50.0000

Cant(inches): 2.000

Delta: 5^29'47.7760" Left

Degree of Curvature(Chord): 2^59'31.0120"

Length: 183.7133

Length(Chorded): 183.7133

Tangent: 91.9272

Chord: 183.6429

Middle Ordinate: 2.2026

External: 2.2052

Element: Circular

SC () 114+23.43 2922763.2869 768477.2193
PI () 116+50.23 2922733.7604 768252.8397
CC () 2921738.9019 768269.6224
CS () 118+77.04 2922755.7019 768027.5919

Radius: 995.0000

Design Speed(mph): 50.0000

Cant(inches): 2.000

Delta: 26^07'13.8134" Right

Degree of Curvature(Chord): 5^45'30.1387"

Length: 453.6093

Length(Chorded): 453.6093

Tangent: 230.8162

Chord: 449.6914

Middle Ordinate: 25.7377

External: 26.4211

Element: Circular

SC () 124+40.58 2922908.7777 767485.4670

PI () 125+4.72 2922918.6448 767422.1093

CC () 2923841.9552 767533.4556

CS () 125+68.85 2922924.1227 767358.2222

Radius: 930.0000

Design Speed(mph): 50.0000

Cant(inches): 2.000

Delta: 7^54'8.6503" Left

Degree of Curvature(Chord): 6^09'39.0194"

Length: 128.2683

Length(Chorded): 128.2683

Tangent: 64.2360

Chord: 128.1667

Middle Ordinate: 2.2105

External: 2.2158

Element: Linear

PI () 40+1.63 2925222.7047 775261.7818

PI () 44+29.56 2924934.7791 774945.2120

Tangent Direction: S 47^42'46.6202" W

Tangent Length: 427.9224

Element: Linear

PI () 45+77.53 2924834.4082 774836.4829

PI () 46+93.02 2924755.4463 774752.2052

Tangent Direction: S 46^51'54.4083" W

Tangent Length: 115.4890

Element: Linear

PI () 48+34.66 2924659.3421 774648.1643

PI () 49+87.78 2924556.2405 774534.9499

Tangent Direction: S 47^40'35.8680" W

Tangent Length: 153.1256

Element: Linear

PI () 51+21.57 2924466.8214 774435.4309

PI () 52+28.76 2924395.7164 774355.2217

Tangent Direction: S 48^26'35.5068" W

Tangent Length: 107.1889

Element: Linear

PI () 53+20.73 2924334.3918 774286.6826

PI () 54+72.88 2924232.4183 774173.7620

Tangent Direction: S 47^54'58.5017" W

Tangent Length: 152.1501

Element: Linear

PI () 58+97.11 2924002.7610 773820.1315

PI () 59+86.79 2923965.6710 773738.4802

Tangent Direction: S 65^34'12.5927" W

Tangent Length: 89.6805

Element: Linear

PI () 66+45.87 2923820.2571 773102.2919

PI () 66+84.49 2923819.4196 773063.6834

Tangent Direction: S 88^45'26.6719" W

Tangent Length: 38.6175

Element: Linear

PI () 68+97.41 2923817.0688 772850.7766

PI () 71+43.17 2923816.9718 772605.0189

Tangent Direction: S 89^58'38.5406" W

Tangent Length: 245.7577

Element: Linear

PI () 76+17.88 2923785.0741 772132.0931

PI () 82+37.60 2923688.8063 771519.8990

Tangent Direction: S 81^03'48.2099" W

Tangent Length: 619.7170

Element: Linear

PI () 82+89.90 2923680.5465 771468.2529

PI () 83+28.79 2923674.3042 771429.8661

Tangent Direction: S 80^45'49.3939" W

Tangent Length: 38.8910

Element: Linear

PI () 83+79.09 2923666.3553 771380.1956

PI () 85+35.30 2923642.0596 771225.8937

Tangent Direction: S 81^03'6.9591" W

Tangent Length: 156.2029

Element: Linear

PI () 89+99.01 2923533.8216 770775.8246

PI () 112+63.43 2922810.3142 768630.1036

Tangent Direction: S 71^21'59.7802" W

Tangent Length: 2264.4164

Element: Linear

PI () 120+47.03 2922800.7086 767863.7154

PI () 122+40.58 2922857.2596 767678.6115

Tangent Direction: N 73^00'41.7770" W

Tangent Length: 193.5496

Element: Linear

PI () 128+18.85 2922914.4931 767108.6086

TS () 128+22.57 2922914.1838 767104.9068

Tangent Direction: S 85^13'26.7970" W

Tangent Length: 3.7147

Element: Clothoid

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Element: Clothoid

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Element: Circular

SC () 44+29.56 2924934.7791 774945.2120

PI () 45+3.54 2924884.7948 774890.6618

CC () 2932232.6424 768107.6584

CS () 45+77.53 2924834.4082 774836.4829

Radius: 10000.0000

Design Speed(mph): 50.0000

Cant(inches): 2.000

Delta: 0^50'52.2119" Left

Degree of Curvature(Chord): 0^34'22.6488"

Length: 147.9754

Length(Chorded): 147.9754

Tangent: 73.9891

Chord: 147.9741

Middle Ordinate: 0.2737

External: 0.2737

Element: Circular

SC () 46+93.02 2924755.4463 774752.2052

PI () 47+63.84 2924707.2100 774700.3549

CC () 2917361.5126 781485.6869

CS () 48+34.66 2924659.3421 774648.1643

Radius: 10000.0000

Design Speed(mph): 50.0000

Cant(inches): 2.000

Delta: 0^48'41.4597" Right

Degree of Curvature(Chord): 0^34'22.6488"

Length: 141.6364

Length(Chorded): 141.6364

Tangent: 70.8194

Chord: 141.6352

Middle Ordinate: 0.2508

External: 0.2508

Element: Circular

SC () 49+87.78 2924556.2405 774534.9499

PI () 50+54.68 2924511.3645 774485.3400

CC () 2917072.9233 781168.8714

CS () 51+21.57 2924466.8214 774435.4309

Radius: 10000.0000

Design Speed(mph): 50.0000

Cant(inches): 2.000

Delta: 0^45'59.6388" Right

Degree of Curvature(Chord): 0^34'22.6488"

Length: 133.7911

Length(Chorded): 133.7911

Tangent: 66.8965

Chord: 133.7901

Middle Ordinate: 0.2237

External: 0.2238

Element: Circular

SC () 52+28.76 2924395.7164 774355.2217

PI () 52+74.75 2924365.1329 774320.8817

CC () 2931817.5336 767652.9192

CS () 53+20.73 2924334.3918 774286.6826

Radius: 10000.0000

Design Speed(mph): 50.0000

Cant(inches): 2.000

Delta: 0^31'37.0051" Left

Degree of Curvature(Chord): 0^34'22.6488"

Length: 91.9694

Length(Chorded): 91.9694

Tangent: 45.9850

Chord: 91.9691

Middle Ordinate: 0.1057

External: 0.1057

Element: Clothoid

Unable to read spiral data for this alignment element.

Element: Circular

SC () 66+84.49 2923819.4196 773063.6834

PI () 67+90.95 2923817.6776 772957.2363

CC () 2913818.2871 773067.6452

CS () 68+97.41 2923817.0688 772850.7766

Radius: 10000.0000

Design Speed(mph): 50.0000

Cant(inches): 2.000

Delta: 1^13'11.8688" Right

Degree of Curvature(Chord): 0^34'22.6488"

Length: 212.9238

Length(Chorded): 212.9238

Tangent: 106.4659

Chord: 212.9198

Middle Ordinate: 0.5667

External: 0.5667

Element: Circular

SC () 82+37.60 2923688.8063 771519.8990

PI () 82+63.75 2923684.7102 771494.0705

CC () 2933559.2221 769914.8261

CS () 82+89.90 2923680.5465 771468.2529

Radius: 10000.0000

Design Speed(mph): 50.0000

Cant(inches): 2.000

Delta: 0^17'58.8161" Left

Degree of Curvature(Chord): 0^34'22.6488"

Length: 52.3025

Length(Chorded): 52.3025

Tangent: 26.1513

Chord: 52.3024

Middle Ordinate: 0.0342

External: 0.0342

Element: Circular

SC () 83+28.79 2923674.3042 771429.8661

PI () 83+53.94 2923670.2985 771405.0358

CC () 2913795.9445 772985.2676

CS () 83+79.09 2923666.3553 771380.1956

Radius: 10000.0000

Design Speed(mph): 50.0000

Cant(inches): 2.000

Delta: 0^17'17.5652" Right

Degree of Curvature(Chord): 0^34'22.6488"

Length: 50.3026

Length(Chorded): 50.3026

Tangent: 25.1513

Chord: 50.3025

Middle Ordinate: 0.0316

External: 0.0316

Element: Clothoid

Unable to read spiral data for this alignment element.

Element: Clothoid

Unable to read spiral data for this alignment element.

Element: Circular

SC () 0+0.00 2928734.9878 774242.6170

PI () 0+55.80 2928763.5125 774288.5954

CC () 2928828.0310 774280.4059

CS () 1+11.61 2928747.3795 774340.2422

Radius: 65.0363

Design Speed(mph): 50.0000

Cant(inches): 2.000

Delta: 98^19'29.7539" Right

Degree of Curvature(Chord): 88^05'53.6680"

Length: 111.6083

Length(Chorded): 111.6083

Tangent: 75.2455

Chord: 98.4086

Middle Ordinate: 22.5080

External: 34.4203

Element: Clothoid

Unable to read spiral data for this alignment element.