

# EXISTING HORIZONTAL & VERTICAL CONTROL

I-80

Curve Data  
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Curve AMT260  
P.I. Station 657+27.38 N 1,738,592.9036 E 2,260,443.2001  
Delta = 0° 27' 50.45" (RT)  
Degree = 0° 02' 00.00"  
Tangent = 696.0233'  
Length = 1,392.0389'  
Radius = 171,887.3397'  
External = 1.4092'  
Long Chord = 1,392.0351'  
Mid. Ord. = 1.4092'  
P.C. Station 650+31.36 N 1,738,587.9741 E 2,259,747.1943  
P.T. Station 664+23.40 N 1,738,592.1962 E 2,261,139.2230  
C.C. N 1,566,704.9453 E 2,260,964.5485

Course from PT AMT260 to PC AMT270 90° 03' 29.61" Dist 9,319.4565'

Curve Data  
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Curve AMT270  
P.I. Station 762+73.02 N 1,738,582.1869 E 2,270,988.8378  
Delta = 0° 42' 24.75" (LT)  
Degree = 0° 04' 00.00"  
Tangent = 530.1634'  
Length = 1,060.3134'  
Radius = 85,943.6700'  
External = 1.6352'  
Long Chord = 1,060.3067'  
Mid. Ord. = 1.6352'  
P.C. Station 757+42.85 N 1,738,582.7257 E 2,270,458.6747  
P.T. Station 768+03.17 N 1,738,588.1888 E 2,271,518.9673  
C.C. N 1,824,526.3513 E 2,270,546.0119

Course from PT AMT270 to PC AMT280 89° 21' 04.86" Dist 4,266.6611'

Curve Data  
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Curve AMT280  
P.I. Station 815+44.83 N 1,738,641.8684 E 2,276,260.3245  
Delta = 0° 40' 11.87" (LT)  
Degree = 0° 04' 13.88"  
Tangent = 475.0000'  
Length = 949.9892'  
Radius = 81,243.7512'  
External = 1.3886'  
Long Chord = 949.9838'  
Mid. Ord. = 1.3885'  
P.C. Station 810+69.83 N 1,738,636.4910 E 2,275,785.3549  
P.T. Station 820+19.82 N 1,738,652.7992 E 2,276,735.1987  
C.C. N 1,819,875.0359 E 2,274,865.6067

Course from PT AMT280 to PC AMT290 88° 40' 52.99" Dist 4,477.5580'

Curve Data  
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Curve AMT290  
P.I. Station 870+30.46 N 1,738,768.1049 E 2,281,744.5198  
Delta = 1° 03' 58.14" (RT)  
Degree = 0° 06' 00.00"  
Tangent = 533.0900'  
Length = 1,066.1493'  
Radius = 57,295.7900'  
External = 2.4799'  
Long Chord = 1,066.1339'  
Mid. Ord. = 2.4798'  
P.C. Station 864+97.37 N 1,738,755.8374 E 2,281,211.5710  
P.T. Station 875+63.52 N 1,738,770.4539 E 2,282,277.6047  
C.C. N 1,681,475.2201 E 2,282,530.0693

Course from PT AMT290 to PC AMT380 89° 44' 51.12" Dist 3,679.5808'

Curve Data  
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Curve AMT380  
P.I. Station 921+83.37 N 1,738,790.8105 E 2,286,897.4031  
Delta = 0° 37' 36.61" (RT)  
Degree = 0° 02' 00.00"  
Tangent = 940.2624'  
Length = 1,880.5061'  
Radius = 171,887.3397'  
External = 2.5717'  
Long Chord = 1,880.4967'  
Mid. Ord. = 2.5717'  
P.C. Station 912+43.10 N 1,738,786.6674 E 2,285,957.1498  
P.T. Station 931+23.61 N 1,738,784.6669 E 2,287,837.6454  
C.C. N 1,566,900.9963 E 2,286,714.5436

Course from PT AMT380 to PC AMT300 90° 22' 27.73" Dist 4,406.6297'

Curve Data  
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Curve AMT300  
P.I. Station 994+51.02 N 1,738,743.3239 E 2,294,164.9179  
Delta = 37° 03' 57.18" (RT)  
Degree = 0° 59' 59.95"  
Tangent = 1,920.7778'  
Length = 3,706.6350'  
Radius = 5,729.6500'  
External = 313.3854'  
Long Chord = 3,642.3367'  
Mid. Ord. = 297.1335'  
P.C. Station 975+30.24 N 1,738,755.8742 E 2,292,244.1811  
P.T. Station 1012+36.87 N 1,737,575.6182 E 2,295,689.9919  
C.C. N 1,733,026.3465 E 2,292,206.7439

Course from PT AMT300 to PC AMT310 127° 26' 24.91" Dist 11,295.4400'

Curve Data  
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Curve AMT310  
P.I. Station 1143+83.28 N 1,729,583.4745 E 2,306,128.0752  
Delta = 35° 49' 57.56" (LT)  
Degree = 1° 00' 02.81"  
Tangent = 1,850.9642'  
Length = 3,580.4756'  
Radius = 5,725.1170'  
External = 291.7786'  
Long Chord = 3,522.4100'  
Mid. Ord. = 277.6294'  
P.C. Station 1125+32.31 N 1,730,708.7382 E 2,304,658.4323  
P.T. Station 1161+12.79 N 1,729,531.5471 E 2,307,978.3109  
C.C. N 1,735,254.4107 E 2,308,138.9246

Course from PT AMT310 to PC AMT320 91° 36' 27.36" Dist 23,043.6704'

Curve Data  
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Curve AMT320  
P.I. Station 1408+18.26 N 1,728,838.4543 E 2,332,674.0593  
Delta = 16° 29' 30.62" (RT)  
Degree = 0° 29' 58.77"  
Tangent = 1,661.8020'  
Length = 3,300.6256'  
Radius = 11,467.0000'  
External = 119.7888'  
Long Chord = 3,289.2433'  
Mid. Ord. = 118.5504'  
P.C. Station 1391+56.46 N 1,728,885.0748 E 2,331,012.9113  
P.T. Station 1424+57.09 N 1,728,322.1870 E 2,334,253.6333  
C.C. N 1,717,422.5882 E 2,330,691.2135

Course from PT AMT320 to PC AMT330 108° 05' 57.98" Dist 6,535.2909'

Curve Data  
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Curve AMT330  
P.I. Station 1510+88.58 N 1,725,640.6643 E 2,342,458.0350  
Delta = 20° 48' 25.14" (LT)  
Degree = 0° 30' 06.58"  
Tangent = 2,096.2079'  
Length = 4,146.2402'  
Radius = 11,417.4200'  
External = 190.8343'  
Long Chord = 4,123.4945'  
Mid. Ord. = 187.6970'  
P.C. Station 1489+92.38 N 1,726,291.8871 E 2,340,465.5500  
P.T. Station 1531+38.62 N 1,725,739.6849 E 2,344,551.9028  
C.C. N 1,737,144.3592 E 2,344,012.5669

Course from PT AMT330 to PC AMT340 87° 17' 32.84" Dist 3,363.8700'

Curve Data  
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Curve AMT340  
P.I. Station 1587+80.97 N 1,726,006.2181 E 2,350,187.9520  
Delta = 43° 27' 54.16" (LT)  
Degree = 1° 00' 08.48"  
Tangent = 2,278.4780'  
Length = 4,336.2919'  
Radius = 5,716.1159'  
External = 437.3744'  
Long Chord = 4,233.0592'  
Mid. Ord. = 406.2869'  
P.C. Station 1565+02.49 N 1,725,898.5874 E 2,347,912.0176  
P.T. Station 1608+38.78 N 1,727,649.9782 E 2,351,765.7716  
C.C. N 1,731,608.3221 E 2,347,641.9998

Course from PT AMT340 to PC AMT350 43° 49' 38.68" Dist 944.9065'

Curve Data  
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Curve AMT350  
P.I. Station 1642+71.31 N 1,730,126.3069 E 2,354,142.7607  
Delta = 46° 58' 51.17" (RT)  
Degree = 1° 00' 03.66"  
Tangent = 2,487.6262'  
Length = 4,693.3175'  
Radius = 5,723.7600'  
External = 517.2105'  
Long Chord = 4,562.9363'  
Mid. Ord. = 474.3475'  
P.C. Station 1617+83.69 N 1,728,331.6611 E 2,352,420.1084  
P.T. Station 1664+77.00 N 1,730,091.2142 E 2,356,630.1393  
C.C. N 1,724,368.0237 E 2,356,549.3949

Course from PT AMT350 to PC AMT360 90° 48' 29.85" Dist 2,043.7672'

Curve Data  
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Curve AMT360  
P.I. Station 1700+11.63 N 1,730,041.3516 E 2,360,164.4168  
Delta = 29° 09' 39.38" (RT)  
Degree = 0° 59' 58.78"  
Tangent = 1,490.8619'  
Length = 2,917.0802'  
Radius = 5,731.5160'  
External = 190.7256'  
Long Chord = 2,885.6976'  
Mid. Ord. = 184.5832'  
P.C. Station 1685+20.77 N 1,730,062.3830 E 2,358,673.7032  
P.T. Station 1714+37.85 N 1,729,296.6141 E 2,361,455.9413  
C.C. N 1,724,331.4373 E 2,358,592.8493

Course from PT AMT360 to PC AMT370 119° 58' 09.23" Dist 5,873.0935'

FILE NAME =	USER NAME = renkesr	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING HORIZONTAL &amp; VERTICAL CONTROL</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\renkesr\108292974\102-ht-ATB.dgn		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	**	151	25
		CHECKED -	REVISED -										
		DATE -	REVISED -										
	PLOT SCALE = 50.0000' / in.												
	PLOT DATE = Mon Apr 30 14:17:34 2012												
										ILLINOIS FED. AID PROJECT			