

HORIZONTAL & VERTICAL CONTROL

Chain US_6 contains:
A01765 CUR A017200 CUR A017210 CUR 200 CUR 210 CUR 220 CUR 230 CUR 240 CUR 250-
CUR 260 CUR 270 CUR 280 105

Beginning chain US_6 description
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Point A01765 N 1,744,871.6634 E 2,239,475.4060 Sta 157+41.34

Course from A01765 to PC A017200 96° 10' 13.56" Dist 1,886.6955'

Curve Data

Curve A017200

P.I. Station 182+80.10 N 1,744,598.7811 E 2,241,999.4606
Delta = 6° 31' 31.34" (RT)
Degree = 0° 30' 03.25"
Tangent = 652.0672'
Length = 1,302.7245'
Radius = 11,438.5205'
External = 18.5709'
Long Chord = 1,302.0206'
Mid. Ord. = 18.5408'
P.C. Station 176+28.03 N 1,744,668.8694 E 2,241,351.1710
P.T. Station 189+30.76 N 1,744,455.4731 E 2,242,635.5852
C.C. N 1,733,296.6173 E 2,240,121.6863

Course from PT A017200 to PC A017210 102° 41' 44.91" Dist 1,132.5706'

Curve Data

Curve A017210

P.I. Station 205+91.27 N 1,744,090.5332 E 2,244,255.5040
Delta = 10° 33' 05.13" (LT)
Degree = 1° 00' 07.64"
Tangent = 527.9469'
Length = 1,052.9080'
Radius = 5,717.4436'
External = 24.3235'
Long Chord = 1,051.4208'
Mid. Ord. = 24.2204'
P.C. Station 200+63.33 N 1,744,206.5626 E 2,243,740.4651
P.T. Station 211+16.23 N 1,744,070.7786 E 2,244,783.0812
C.C. N 1,749,784.2183 E 2,244,997.0152

Course from PT A017210 to PC 200 92° 08' 39.77" Dist 2,617.1285'

Curve Data

Curve 200

P.I. Station 242+61.59 N 1,743,953.0864 E 2,247,926.2335
Delta = 1° 09' 28.55" (LT)
Degree = 0° 06' 34.59"
Tangent = 528.2265'
Length = 1,056.4170'
Radius = 52,272.7718'
External = 2.6688'
Long Chord = 1,056.3990'
Mid. Ord. = 2.6687'
P.C. Station 237+33.36 N 1,743,972.8514 E 2,247,398.3769
P.T. Station 247+89.78 N 1,743,943.9924 E 2,248,454.3817
C.C. N 1,796,209.0171 E 2,249,354.3082

Course from PT 200 to PC 210 90° 59' 11.22" Dist 2,323.7985'

Curve Data

Curve 210

P.I. Station 275+76.61 N 1,743,896.0144 E 2,251,240.8002
Delta = 0° 33' 16.65" (LT)
Degree = 0° 03' 35.61"
Tangent = 463.0332'
Length = 926.0591'
Radius = 95,666.8302'
External = 1.1205'
Long Chord = 926.0555'
Mid. Ord. = 1.1205'
P.C. Station 271+13.58 N 1,743,903.9860 E 2,250,777.8357
P.T. Station 280+39.64 N 1,743,892.5247 E 2,251,703.8203
C.C. N 1,839,556.6378 E 2,252,424.8332

Course from PT 210 to PC 220 90° 25' 54.57" Dist 4,703.3189'

Curve Data

Curve 220

P.I. Station 331+99.94 N 1,743,853.6330 E 2,256,863.9786
Delta = 0° 36' 47.93" (LT)
Degree = 0° 04' 01.58"
Tangent = 456.9860'
Length = 913.9633'
Radius = 85,382.5609'
External = 1.2229'
Long Chord = 913.9590'
Mid. Ord. = 1.2229'
P.C. Station 327+42.96 N 1,743,857.0771 E 2,256,407.0055
P.T. Station 336+56.92 N 1,743,855.0805 E 2,257,320.9623
C.C. N 1,829,237.2131 E 2,257,050.5089

Course from PT 220 to PC 230 89° 49' 06.65" Dist 2,405.9941'

Curve Data

Curve 230

P.I. Station 365+62.91 N 1,743,864.2854 E 2,260,226.9418
Delta = 0° 43' 59.48" (RT)
Degree = 0° 04' 23.95"
Tangent = 500.0000'
Length = 999.9864'
Radius = 78,145.0030'
External = 1.5996'
Long Chord = 999.9795'
Mid. Ord. = 1.5995'
P.C. Station 360+62.91 N 1,743,862.7016 E 2,259,726.9443
P.T. Station 370+62.90 N 1,743,859.4709 E 2,260,726.9186
C.C. N 1,665,718.0906 E 2,259,974.4723

Course from PT 230 to PC 240 90° 33' 06.12" Dist 2,923.1046'

Curve Data

Curve 240

P.I. Station 404+42.83 N 1,743,826.9261 E 2,264,106.6923
Delta = 0° 41' 56.20" (LT)
Degree = 0° 04' 35.40"
Tangent = 456.8257'
Length = 913.6402'
Radius = 74,895.4760'
External = 1.3932'
Long Chord = 913.6345'
Mid. Ord. = 1.3932'
P.C. Station 399+86.00 N 1,743,831.3248 E 2,263,649.8877
P.T. Station 408+99.64 N 1,743,828.1001 E 2,264,563.5165
C.C. N 1,818,723.3288 E 2,264,371.0448

Course from PT 240 to PC 250 89° 51' 09.93" Dist 4,210.5391'

Curve Data

Curve 250

P.I. Station 456+23.96 N 1,743,840.2410 E 2,269,287.8137
Delta = 0° 53' 43.95" (LT)
Degree = 0° 05' 13.76"
Tangent = 513.7738'
Length = 1,027.5266'
Radius = 65,740.0257'
External = 2.0076'
Long Chord = 1,027.5161'
Mid. Ord. = 2.0075'
P.C. Station 451+10.18 N 1,743,838.9206 E 2,268,774.0417
P.T. Station 461+37.71 N 1,743,849.5912 E 2,269,801.5024
C.C. N 1,809,578.7292 E 2,268,605.0983

Course from PT 250 to PC 260 88° 57' 25.98" Dist 189.5057'

Curve Data

Curve 260

P.I. Station 473+62.87 N 1,743,871.8879 E 2,271,026.4588
Delta = 91° 17' 26.58" (RT)
Degree = 5° 39' 30.18"
Tangent = 1,035.6537'
Length = 1,613.3710'
Radius = 1,012.5821'
External = 435.8312'
Long Chord = 1,448.0458'
Mid. Ord. = 304.6885'
P.C. Station 463+27.22 N 1,743,853.0400 E 2,269,990.9767
P.T. Station 479+40.59 N 1,742,836.2439 E 2,271,021.9773
C.C. N 1,742,840.6255 E 2,270,009.4047

Course from PT 260 to PC 270 180° 14' 52.55" Dist 757.4550'

Curve Data

Curve 270

P.I. Station 494+25.33 N 1,741,351.5162 E 2,271,015.5525
Delta = 82° 56' 53.01" (LT)
Degree = 6° 57' 48.67"
Tangent = 727.2866'
Length = 1,191.1801'
Radius = 822.7991'
External = 275.3558'
Long Chord = 1,089.8476'
Mid. Ord. = 206.3119'
P.C. Station 486+98.04 N 1,742,078.7959 E 2,271,018.6997
P.T. Station 498+89.22 N 1,741,259.1054 E 2,271,736.9442
C.C. N 1,742,075.2355 E 2,271,841.4911

Curve Data

Curve 280

P.I. Station 502+38.48 N 1,741,214.7274 E 2,272,083.3750
Delta = 7° 20' 16.78" (LT)
Degree = 1° 03' 06.98"
Tangent = 349.2617'
Length = 697.5683'
Radius = 5,446.6818'
External = 11.1865'
Long Chord = 697.0916'
Mid. Ord. = 11.1636'
P.C. Station 498+89.22 N 1,741,259.1054 E 2,271,736.9442
P.T. Station 505+86.79 N 1,741,214.9597 E 2,272,432.6366
C.C. N 1,746,661.6403 E 2,272,429.0128

Course from PT 280 to 105 89° 57' 42.77" Dist 3,040.6005'

Point 105 N 1,741,216.9827 E 2,275,473.2364 Sta 536+27.39

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Ending chain US_6 description

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORIZONTAL & VERTICAL CONTROL SHEETS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\cushmenbw\d0169166\0208009-sh-t-ATB.dgn		DRAWN -	REVISED -					226	3T & 3BR-1	HENRY	210	23
PLOT SCALE = 100.0000' / 1in.		CHECKED -	REVISED -					CONTRACT NO. 64F25				
PLOT DATE = Fri Oct 19 12:01:05 2012		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		