

HORIZONTAL & VERTICAL CONTROL

Chain 08609US30 contains:
383 CUR 390 CUR 1200 CUR 1210 CUR 1220 CUR 1230 CUR 1240 1252

Beginning chain 08609US30 description
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Point 383 N 1,869,006.8369 E 2,367,005.2084 Sta 1246+55.7191

Course from 383 to PC 390 106° 34' 43.4700" Dist 2,167.7319'

Curve Data

Curve 390
P.I. Station 1273+65.2953 N 1,868,233.7060 E 2,369,602.1435
Delta = 3° 11' 12.9247" (LT)
Degree = 0° 17' 38.9651"
Tangent = 541.8443'
Length = 1,083.4091'
Radius = 19,477.9604'
External = 7.5351'
Long Chord = 1,083.2695'
Mid. Ord. = 7.5322'
P.C. Station 1268+23.4510 N 1,868,388.3119 E 2,369,082.8245
P.T. Station 1279+06.8601 N 1,868,108.2100 E 2,370,129.2544
C.C. N 1,887,056.5444 E 2,374,640.5251

Course from PT 390 to PC 1200 103° 23' 30.5453" Dist 1,004.6242'

Curve Data

Curve 1200
P.I. Station 1296+57.7845 N 1,867,702.6802 E 2,371,832.5694
Delta = 2° 30' 40.9990" (RT)
Degree = 0° 10' 05.8183"
Tangent = 746.3002'
Length = 1,492.3614'
Radius = 34,047.3042'
External = 8.1783'
Long Chord = 1,492.2420'
Mid. Ord. = 8.1763'
P.C. Station 1289+11.4843 N 1,867,875.5300 E 2,371,106.5618
P.T. Station 1304+03.8458 N 1,867,498.1842 E 2,372,550.3057
C.C. N 1,834,754.0073 E 2,363,220.9002

Course from PT 1200 to PC 1210 105° 54' 11.5443" Dist 1,685.9537'

Curve Data

Curve 1210
P.I. Station 1325+59.1148 N 1,866,907.6123 E 2,374,623.0839
Delta = 0° 44' 30.2175" (LT)
Degree = 0° 04' 44.4841"
Tangent = 469.3153'
Length = 938.6175'
Radius = 72,504.8673'
External = 1.5189'
Long Chord = 938.6110'
Mid. Ord. = 1.5189'
P.C. Station 1320+89.7995 N 1,867,036.2109 E 2,374,171.7311
P.T. Station 1330+28.4170 N 1,866,784.8675 E 2,375,076.0635
C.C. N 1,936,766.0251 E 2,394,039.0106

Course from PT 1210 to PC 1220 105° 09' 41.3269" Dist 1,124.5723'

Curve Data

Curve 1220
P.I. Station 1350+92.4006 N 1,866,245.0525 E 2,377,068.2051
Delta = 9° 17' 40.7578" (LT)
Degree = 0° 29' 44.8587"
Tangent = 939.4114'
Length = 1,874.7007'
Radius = 11,556.3661'
External = 38.1193'
Long Chord = 1,872.6457'
Mid. Ord. = 37.9940'
P.C. Station 1341+52.9893 N 1,866,490.7464 E 2,376,161.4923
P.T. Station 1360+27.6899 N 1,866,149.0291 E 2,378,002.6960
C.C. N 1,877,644.8649 E 2,379,183.9481

Course from PT 1220 to PC 1230 95° 52' 00.5691" Dist 3,304.1083'

Curve Data

Curve 1230
P.I. Station 1405+52.3850 N 1,865,686.5303 E 2,382,503.6915
Delta = 12° 12' 25.9655" (LT)
Degree = 0° 30' 07.0391"
Tangent = 1,220.5867'
Length = 2,431.9321'
Radius = 11,414.5179'
External = 65.0749'
Long Chord = 2,427.3351'
Mid. Ord. = 64.7060'
P.C. Station 1393+31.7982 N 1,865,811.2945 E 2,381,289.4980
P.T. Station 1417+63.7304 N 1,865,821.3257 E 2,383,716.8123
C.C. N 1,877,166.0250 E 2,382,456.2508

Course from PT 1230 to PC 1240 83° 39' 34.6035" Dist 5,723.4277'

Curve Data

Curve 1240
P.I. Station 1483+63.1704 N 1,866,550.1344 E 2,390,275.8860
Delta = 5° 46' 04.4054" (RT)
Degree = 0° 19' 46.1681"
Tangent = 876.0124'
Length = 1,750.5449'
Radius = 17,389.1709'
External = 22.0514'
Long Chord = 1,749.8058'
Mid. Ord. = 22.0235'
P.C. Station 1474+87.1581 N 1,866,453.3920 E 2,389,405.2318
P.T. Station 1492+37.7029 N 1,866,558.8873 E 2,391,151.8546
C.C. N 1,849,170.5844 E 2,391,325.6037

Course from PT 1240 to 1252 89° 25' 39.0090" Dist 3,989.6068'

Point 1252 N 1,866,598.7507 E 2,395,141.2622 Sta 1532+27.3097

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Ending chain 08609US30 description

FILE NAME =	USER NAME = hensonke	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORIZONTAL & VERTICAL CONTROL SHEETS				F.A.P. RTE. 309	SECTION 29T	COUNTY WHITESIDE	TOTAL SHEETS 74	SHEET NO. 18
at:\pw\work\p\sidot\hensonke\d\133232\1220	08609-sht-ATB.dgn	DRAWN -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT				
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -										
	PLOT DATE = Fri Jun 24 07:43:57 2011	DATE -	REVISED -		CONTRACT NO. 64F23								