

Chain IL84 contains:
 1 CUR 330 CUR 340 CUR 350 CUR 360 CUR 200 CUR 210 CUR 220 CUR 230 CUR 240 CUR -
 250 CUR 260 CUR 1200

HORIZONTAL & VERTICAL CONTROL

Beginning chain IL84 description
 =====

Point 1 X 2,251,141.9175 Y 2,077,620.6169 Sta 853+01.9341

Course from 1 to PC 330 264° 49' 44.4364" Dist 401.1434'

Curve Data

Curve 330
 P.I. Station 859+85.4317 X 2,250,461.2016 Y 2,077,559.0144
 Delta = 27° 40' 02.8535" (RT)
 Degree = 4° 59' 48.8447"
 Tangent = 282.3542'
 Length = 553.6923'
 Radius = 1,146.6262'
 External = 34.2529'
 Long Chord = 548.3284'
 Mid. Ord. = 33.2594'
 P.C. Station 857+03.0775 X 2,250,742.4067 Y 2,077,584.4625
 P.T. Station 862+56.7698 X 2,250,200.3336 Y 2,077,667.0506
 C.C. X 2,250,639.0632 Y 2,078,726.4221

Course from PT 330 to PC 340 292° 29' 47.2898" Dist 1,235.4708'

Curve Data

Curve 340
 P.I. Station 880+36.4753 X 2,248,556.0582 Y 2,078,348.0131
 Delta = 10° 48' 57.6676" (LT)
 Degree = 0° 59' 47.9480"
 Tangent = 544.2347'
 Length = 1,085.2350'
 Radius = 5,748.8238'
 External = 25.7036'
 Long Chord = 1,083.6243'
 Mid. Ord. = 25.5892'
 P.C. Station 874+92.2406 X 2,249,058.8783 Y 2,078,139.7745
 P.T. Station 885+77.4756 X 2,248,023.0936 Y 2,078,458.1951
 C.C. X 2,246,859.2260 Y 2,072,828.4183

Course from PT 340 to PC 350 281° 40' 49.6223" Dist 992.6036'

Curve Data

Curve 350
 P.I. Station 899+46.6049 X 2,246,682.3163 Y 2,078,735.3797
 Delta = 18° 18' 42.1041" (RT)
 Degree = 2° 27' 09.2817"
 Tangent = 376.5257'
 Length = 746.6304'
 Radius = 2,336.1448'
 External = 30.1485'
 Long Chord = 743.4568'
 Mid. Ord. = 29.7644'
 P.C. Station 895+70.0793 X 2,247,051.0448 Y 2,078,659.1509
 P.T. Station 903+16.7097 X 2,246,356.2097 Y 2,078,923.5978
 C.C. X 2,247,524.0048 Y 2,080,946.9187

Course from PT 350 to PC 360 299° 59' 31.7264" Dist 409.1154'

Curve Data

Curve 360
 P.I. Station 912+03.1320 X 2,245,588.4847 Y 2,079,366.7038
 Delta = 1° 56' 48.0056" (RT)
 Degree = 0° 12' 14.1900"
 Tangent = 477.3069'
 Length = 954.5220'
 Radius = 28,094.1986'
 External = 4.0543'
 Long Chord = 954.4761'
 Mid. Ord. = 4.0537'
 P.C. Station 907+25.8251 X 2,246,001.8773 Y 2,079,128.1070
 P.T. Station 916+80.3471 X 2,245,183.4356 Y 2,079,619.2055
 C.C. X 2,260,045.6415 Y 2,103,460.3219

Course from PT 360 to PC 200 301° 56' 19.7319" Dist 702.9698'

Curve Data

Curve 200
 P.I. Station 925+18.4839 X 2,244,472.1814 Y 2,080,062.5910
 Delta = 3° 06' 49.8722" (LT)
 Degree = 1° 09' 07.6975"
 Tangent = 135.1669'
 Length = 270.2674'
 Radius = 4,972.9955'
 External = 1.8366'
 Long Chord = 270.2341'
 Mid. Ord. = 1.8359'
 P.C. Station 923+83.3169 X 2,244,586.8859 Y 2,079,991.0859
 P.T. Station 926+53.5843 X 2,244,353.7621 Y 2,080,127.7598
 C.C. X 2,241,956.1050 Y 2,075,770.9348

Course from PT 200 to PC 210 298° 49' 29.8597" Dist 331.3072'

Curve Data

Curve 210
 P.I. Station 932+63.7130 X 2,243,819.2304 Y 2,080,421.9244
 Delta = 10° 09' 35.2263" (RT)
 Degree = 1° 49' 36.1359"
 Tangent = 278.8215'
 Length = 556.1811'
 Radius = 3,136.5654'
 External = 12.3684'
 Long Chord = 555.4527'
 Mid. Ord. = 12.3198'
 P.C. Station 929+84.8914 X 2,244,063.5050 Y 2,080,287.4947
 P.T. Station 935+41.0726 X 2,243,602.4986 Y 2,080,597.3348
 C.C. X 2,245,575.7542 Y 2,083,035.4294

Course from PT 210 to PC 220 308° 59' 05.0860" Dist 421.2489'

Curve Data

Curve 220
 P.I. Station 946+27.2858 X 2,242,758.1704 Y 2,081,280.6862
 Delta = 15° 28' 27.6605" (LT)
 Degree = 1° 10' 14.4189"
 Tangent = 664.9644'
 Length = 1,321.8349'
 Radius = 4,894.2644'
 External = 44.9665'
 Long Chord = 1,317.8212'
 Mid. Ord. = 44.5571'
 P.C. Station 939+62.3214 X 2,243,275.0562 Y 2,080,862.3482
 P.T. Station 952+84.1563 X 2,242,148.4063 Y 2,081,545.9508
 C.C. X 2,240,196.0085 Y 2,077,057.9705

Course from PT 220 to PC 230 293° 30' 37.4255" Dist 630.8947'

Curve Data

Curve 230
 P.I. Station 962+84.6556 X 2,241,230.9608 Y 2,081,945.0654
 Delta = 35° 55' 06.4996" (RT)
 Degree = 5° 01' 28.8708"
 Tangent = 369.6046'
 Length = 714.8401'
 Radius = 1,140.2857'
 External = 58.4048'
 Long Chord = 703.1920'
 Mid. Ord. = 55.5591'
 P.C. Station 959+15.0510 X 2,241,569.8836 Y 2,081,797.6244
 P.T. Station 966+29.8911 X 2,241,042.9770 Y 2,082,263.2943
 C.C. X 2,242,024.7612 Y 2,082,843.2524

Course from PT 230 to PC 240 329° 25' 43.9251" Dist 625.5539'

Curve Data

Curve 240
 P.I. Station 974+87.3094 X 2,240,606.8875 Y 2,083,001.5301
 Delta = 12° 29' 59.7511" (LT)
 Degree = 2° 42' 22.5673"
 Tangent = 231.8644'
 Length = 461.8880'
 Radius = 2,117.1504'
 External = 12.6587'
 Long Chord = 460.9726'
 Mid. Ord. = 12.5835'
 P.C. Station 972+55.4450 X 2,240,724.8155 Y 2,082,801.8952
 P.T. Station 977+17.3330 X 2,240,448.5462 Y 2,083,170.9087
 C.C. X 2,238,901.9524 Y 2,081,725.0963

Course from PT 240 to PC 250 316° 55' 44.1740" Dist 166.6479'

Curve Data

Curve 250
 P.I. Station 981+12.7898 X 2,240,178.4868 Y 2,083,459.7928
 Delta = 16° 20' 37.1297" (RT)
 Degree = 3° 35' 45.1574"
 Tangent = 228.8089'
 Length = 454.5107'
 Radius = 1,593.3743'
 External = 16.3447'
 Long Chord = 452.9714'
 Mid. Ord. = 16.1787'
 P.C. Station 978+83.9809 X 2,240,334.7415 Y 2,083,292.6462
 P.T. Station 983+38.4916 X 2,240,075.5808 Y 2,083,664.1549
 C.C. X 2,241,498.7130 Y 2,084,380.7693

Course from PT 250 to PC 260 333° 16' 21.3036" Dist 1,002.1328'

Curve Data

Curve 260
 P.I. Station 997+51.4175 X 2,239,440.1224 Y 2,084,926.1186
 Delta = 23° 57' 24.9855" (RT)
 Degree = 2° 57' 33.0376"
 Tangent = 410.7930'
 Length = 809.5812'
 Radius = 1,936.2065'
 External = 43.0981'
 Long Chord = 803.6966'
 Mid. Ord. = 42.1596'
 P.C. Station 993+40.6245 X 2,239,624.8751 Y 2,084,559.2162
 P.T. Station 1001+50.2056 X 2,239,420.2667 Y 2,085,336.4314
 C.C. X 2,241,354.2101 Y 2,085,430.0181

Course from PT 260 to PC 1200 357° 13' 46.2892" Dist 2,010.2991'

Curve Data

Curve 1200
 P.I. Station 1025+22.2867 X 2,239,305.6120 Y 2,087,705.7400
 Delta = 22° 01' 53.9411" (LT)
 Degree = 3° 04' 58.6570"
 Tangent = 361.7820'
 Length = 714.6265'
 Radius = 1,858.4664'
 External = 34.8861'
 Long Chord = 710.2319'
 Mid. Ord. = 34.2433'
 P.C. Station 1021+60.5047 X 2,239,323.0988 Y 2,087,344.3809
 P.T. Station 1028+75.1312 X 2,239,153.8496 Y 2,088,034.1519
 C.C. X 2,237,466.8046 Y 2,087,254.5517

Ending chain IL84 description

FILE NAME =	USER NAME = hardnettr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 / IL 84 HORIZONTAL & VERTICAL CONTROL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pvidot\hardnettr\d827791\10	00711-ah-hvc.dgn	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	52	15
		CHECKED -	REVISED -										
		DATE -	REVISED -										

PLOT SCALE = 60.0000" / in.
 PLOT DATE = Mon Dec 18 13:58:09 2012

CONTRACT NO. 64H17