

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	2049608.7016	2595235.4759	712.6293	IL251	566+20.76	274.2157' LT	PIN W/CAP (SEE TIE DIAGRAM)
2	2049728.0957	2595597.3724	713.5499	IL251	569+92.79	122.9714' LT	PIN W/CAP (SEE TIE DIAGRAM)
3	2049676.2591	2595901.8956	716.4650	IL251	571+28.45	154.3019' RT	PIN W/CAP (SEE TIE DIAGRAM)
4	2049692.7996	2596310.2195	720.7581	IL251	572+68.39	513.6076' RT	PIN W/CAP (SEE TIE DIAGRAM)
5	2048996.8460	2594878.0503	715.7221	IL251	558+91.64	59.3201' LT	PIN W/CAP (SEE TIE DIAGRAM)
6	2049214.3138	2595126.4504	723.5070	IL251	562+88.20	53.3023' LT	PIN W/CAP (SEE TIE DIAGRAM)
7	2049539.7133	2595480.9197	734.3487	IL251	567+63.10	62.6989' LT	PIN W/CAP (SEE TIE DIAGRAM)
8	2049540.7662	2595680.1185	736.4625	IL251	569+12.13	66.6834' RT	PIN W/CAP (SEE TIE DIAGRAM)
9	2049972.6934	2595757.0648	721.2995	IL251	573+33.21	101.4745 LT	PIN W/CAP (SEE TIE DIAGRAM)
10	2049879.3833	2595898.9439	725.2746	IL251	572+88.94	62.8089' RT	PIN W/CAP (SEE TIE DIAGRAM)
11	2050338.5081	2595941.2667	713.1343	IL251	577+32.26	51.5811' RT	PIN W/CAP (SEE TIE DIAGRAM)
12	2050462.4420	2595812.5673	717.1398	IL251	578+52.97	78.5846' LT	PIN W/CAP (SEE TIE DIAGRAM)
78720567	2049502.4800	2585478.1100	733.6900	N/A	N/A	N/A	DISK SET IN CONCRETE MONUMENT (D 222) NGS

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
400	2049611.0945	2594507.6706	716.3836	IL251	562+08.04	780.9141' LT	BRASS DISK ON CONCRETE BARRIER WALL
401	2049687.0310	2595191.8266	716.1282	IL251	566+38.22	362.1685' LT	CUT SQUARE ON CONCRETE BARRIER WALL
404	2049739.7797	2596201.5741	720.8317	IL251	572+70.88	395.3032' RT	RAILROAD SPIKE IN POWER POLE 1155 CUR 290 1156
405	2048845.6572	2594835.5049	717.8832	IL251	582+48.91	2294.7983' RT	CUT SQUARE ON CONCRETE SIGN FOUNDATION
408	2049562.2704	2595700.1431	738.3039	IL251	569+39.29	65.2718' RT	STAINLESS STEEL PLUG ON WALL
410	2049772.1902	2595851.1811	731.5478	IL251	571+79.91	62.7427' RT	CUT SQUARE ON WALL
411	2050270.4104	2596051.2135	714.2356	IL251	576+64.09	161.4824' RT	MCCURE DISK ON HEADWALL
412	2051077.5010	2595977.4597	722.5581	IL251	582+48.91	229.6431' LT	STAINLESS STEEL PLUG IN CONCRETE POST

REFERENCE TIES				
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	IL251	566+32.26	280.3758' LT	MANHOLE LID
501	IL251	565+88.22	314.5593' LT	RAILROAD FLASHING SIGNAL
502	IL251	565+72.78	250.0691' LT	END SPBGR
503	IL251	570+42.28	56.0682' LT	CORNER OF PIER
504	IL251	569+21.85	200.4937' LT	LIGHT POLE
505	IL251	570+48.74	171.2598' LT	15 INCH TREE
506	IL251	572+96.26	139.7751' LT	LIGHT POLE
507	IL251	572+92.01	90.5167' LT	MANHOLE LID
508	IL251	574+29.00	58.4156' LT	LIGHT POLE
509	IL251	571+85.33	167.5544' RT	LIGHT POLE
510	IL251	571+48.33	131.5896' RT	CORNER OF CATCH BASIN
511	IL251	570+73.11	62.9491' RT	CORNER PIER
512	IL251	572+32.63	492.6855' RT	CORNER TELEPHONE SPLICE BOX
513	IL251	572+59.87	549.8569' RT	MANHOLE LID
514	IL251	572+80.36	535.6259' RT	MANHOLE LID
515	IL251	569+38.65	65.803' RT	CORNER, WALL
516	IL251	568+43.38	63.106' RT	END SPBGR
517	IL251	568+44.46	76.2329' RT	LIGHT POLE
518	IL251	559+43.88	71.1418' LT	CORNER SIGN FOUNDATION
519	IL251	558+39.23	59.6050' LT	LIGHT POLE
520	IL251	558+89.49	1.1138' LT	END SPBGR
521	IL251	563+19.45	57.1514' LT	LIGHT POLE
522	IL251	562+89.07	3.2875' LT	CORNER DROP INLET
523	IL251	562+08.22	78.8533' LT	LIGHT POLE
524	IL251	567+23.37	72.6454' LT	CORNER SIGN FOUNDATION
525	IL251	567+92.17	74.3777' LT	LIGHT POLE
526	IL251	567+93.61	59.8664' LT	CORNER, WALL
527	IL251	572+65.23	74.1613' RT	LIGHT POLE
528	IL251	572+74.21	60.7204' RT	END SPBGR
529	IL251	573+13.19	95.166' RT	6 INCH TREE
530	IL251	577+20.26	58.1663' RT	MANHOLE GRATE
531	IL251	577+70.35	99.4615' RT	LIGHT POLE
532	IL251	576+97.90	159.7341' RT	CORNER HEADWALL
533	IL251	577+94.59	93.7469' LT	LIGHT POLE
534	IL251	578+31.64	52.2468' LT	MANHOLE LID
535	IL251	579+27.88	81.4677' LT	36 INCH TREE

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
IL251	200	200	201	202	203
IL251	210	210	211	212	213
IL251	220	220	221	222	223
IL251	230	230	231	232	233

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
SPRINGCRK	290	290	291	292	293

Chain IL251 contains:
CUR 200 CUR 210 CUR 220 CUR 230

Beginning chain IL251 description
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Curve Data

Curve 200
P.I. Station 562+84.89 N 2,049,181.2865 E 2,595,156.0023
Delta = 13° 52' 41.48" (RT)
Degree = 4° 36' 20.56"
Tangent = 151.4038'
Length = 301.3256'
Radius = 1,244.0158'
External = 9.1795'
Long Chord = 300.5895'
Mid. Ord. = 9.1122'
P.C. Station 561+33.48 N 2,049,058.4282 E 2,595,067.5210
P.T. Station 564+34.81 N 2,049,279.3353 E 2,595,271.3692
C.C. N 2,048,331.4176 E 2,596,076.9915

Course from PT 200 to PC 210 N 49° 38' 21.29" E Dist 435.1124'

Curve Data

Curve 210
P.I. Station 572+46.74 N 2,049,805.1366 E 2,595,890.0418
Delta = 49° 40' 39.03" (LT)
Degree = 7° 02' 18.06"
Tangent = 376.8129'
Length = 705.8118'
Radius = 814.0512'
External = 82.9813'
Long Chord = 683.9105'
Mid. Ord. = 75.3050'
P.C. Station 568+69.92 N 2,049,561.1133 E 2,595,602.9171
P.T. Station 575+75.73 N 2,050,181.9494 E 2,595,889.7901
C.C. N 2,050,181.4057 E 2,595,075.7391

Course from PT 210 to PC 220 N 0° 02' 17.75" W Dist 207.4643'

Curve Data

Curve 220
P.I. Station 580+17.62 N 2,050,623.8351 E 2,595,889.4950
Delta = 16° 12' 39.84" (RT)
Degree = 3° 28' 51.34"
Tangent = 234.4215'
Length = 465.7112'
Radius = 1,645.9920'
External = 16.6093'
Long Chord = 464.1593'
Mid. Ord. = 16.4434'
P.C. Station 577+83.20 N 2,050,389.4136 E 2,595,889.6516
P.T. Station 582+48.91 N 2,050,848.9796 E 2,595,954.7897
C.C. N 2,050,390.5128 E 2,597,535.6432

Course from PT 220 to PC 230 S 16° 10' 24.06" W Dist 0.0000'

Curve Data

Curve 230
P.I. Station 583+57.83 N 2,050,953.5864 E 2,595,985.1269
Delta = 4° 03' 52.30" (RT)
Degree = 1° 51' 59.99"
Tangent = 108.9171'
Length = 217.7428'
Radius = 3,069.4207'
External = 1.9318'
Long Chord = 217.6972'
Mid. Ord. = 1.9306'
P.C. Station 582+48.91 N 2,050,848.9796 E 2,595,954.7897
P.T. Station 584+66.65 N 2,051,055.7798 E 2,596,022.8024
C.C. N 2,049,994.0378 E 2,598,902.7412

Ending chain IL251 description
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Chain SPRINGCRK contains:

Beginning chain SPRINGCRK description
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Point 1155 N 2,049,646.0664 E 2,594,496.4224 Sta 7+85.91

Course from 1155 to PC 290 N 89° 08' 42.29" E Dist 717.2823'

Curve Data

Curve 290
P.I. Station 16+16.84 N 2,049,658.4643 E 2,595,327.2567
Delta = 1° 04' 34.41" (LT)
Degree = 0° 28' 24.67"
Tangent = 113.6446'
Length = 227.2825'
Radius = 12,100.0000'
External = 0.5337'
Long Chord = 227.2792'
Mid. Ord. = 0.5336'
P.C. Station 15+03.19 N 2,049,656.7687 E 2,595,213.6248
P.T. Station 17+30.48 N 2,049,662.2939 E 2,595,440.8368
C.C. N 2,061,755.4217 E 2,595,033.0857

Course from PT 290 to 1156 N 88° 04' 07.88" E Dist 980.3575'

Point 1156 N 2,049,695.3305 E 2,596,420.6375 Sta 27+10.83

Ending chain SPRINGCRK description
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- NOTES:
1. COORDINATES ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM WEST ZONE (202) NAD 83 (2007)
2. THE BENCHMARK DATUM IS REFERENCED TO NAVD 88.

FILE NAME = G:\proj\2082773_001\CADD\civil\shc\0264879-shc-HVC.dgn	USER NAME = zpiend	DESIGNED - DLP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 303 (IL ROUTE 251) OVER SPRING CREEK ROAD HORIZONTAL & VERTICAL CONTROL	F.A.*	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 100.00' / IN.	PLT 4879-shc-HVC.dgn	DRAWN - ENTRAN	REVISED -			*	1-HBR & 1-2HB-D	WINNEBAGO	216	25	
PLOT DATE = 8/30/2010		CHECKED - TMH	REVISED -			IL RTE 251 & FOREST HILLS RD CONTRACT NO. 64B79					
		DATE - 08/30/10	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

* F.A.P. 303 & F.A.U. 5146