

HORIZONTAL & VERTICAL CONTROL

Chain FORSBPGL contains:
1145 CUR 270 1022

Beginning chain FORSBPGL description
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Point 1145 N 2,051,056.2987 E 2,596,021.3950 Sta 584+66.6526

Course from 1145 to PC 270 21° 35' 01.8681" Dist 958.7639'

Curve Data

Curve 270

P.I. Station 596+36.6292 N 2,052,144.2368 E 2,596,451.7855

Delta = 16° 31' 28.5267" (RT)

Degree = 3° 56' 21.0432"

Tangent = 211.2127'

Length = 419.4933'

Radius = 1,454.5108'

External = 15.2553'

Long Chord = 418.0409'

Mid. Ord. = 15.0970'

P.C. Station 594+25.4165 N 2,051,947.8343 E 2,596,374.0883

P.T. Station 598+44.9098 N 2,052,310.4283 E 2,596,582.1359

C.C. N 2,051,412.7743 E 2,597,726.6091

Course from PT 270 to 1022 38° 06' 30.3948" Dist 1,733.0305'

Point 1022 N 2,053,674.0531 E 2,597,651.6788 Sta 615+77.9403

Ending chain FORSBPGL description
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Chain FORNBPGL contains:
1152 CUR 280

Beginning chain FORNBPGL description
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Point 1152 N 2,051,703.8024 E 2,596,374.5103 Sta 592+03.8178

Course from 1152 to PC 280 29° 05' 56.6712" Dist 957.9450'

Curve Data

Curve 280

P.I. Station 605+12.9917 N 2,052,847.7325 E 2,597,011.1894

Delta = 9° 00' 33.7236" (RT)

Degree = 1° 17' 06.7140"

Tangent = 351.2289'

Length = 701.0099'

Radius = 4,458.1274'

External = 13.8142'

Long Chord = 700.2879'

Mid. Ord. = 13.7715'

P.C. Station 601+61.7628 N 2,052,540.8356 E 2,596,840.3793

P.T. Station 608+62.7727 N 2,053,124.0949 E 2,597,227.9510

C.C. N 2,050,372.7534 E 2,600,735.8022

Ending chain FORNBPGL description
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REFERENCE TIES

POINT	NORTH	EAST	CHAIN	STATION	OFFSET	DESCRIPTION
535	2050541.0135	2595814.7520	251NBPGL	OUT OF CHAIN	-----	TREE DECIDUOUS
536	2051614.4725	2596169.9669	251NBPGL	590+31.1157	105.4807' LT	LIGHT POLE
537	2051693.5450	2596175.4118	251NBPGL	591+03.9873	136.6551' LT	MANHOLE GRATE
538	2051633.9051	2596196.9061	251NBPGL	590+60.6870	90.3517' LT	PAVEMENT STATION NUMBER
539	2052191.0674	2596667.0000	251NBPGL	597+58.3790	89.0831' RT	CATCH BASIN, CORNER
540	2052235.2564	2596650.0722	251NBPGL	597+93.2133	59.433' RT	LIGHT POLE
541	2052101.4749	2596624.5158	251NBPGL	596+65.7664	81.0473' RT	RETAINING WALL, END
542	2052687.2134	2596910.7487	251NBPGL	602+28.0052	263.0321' RT	LIGHT POLE
543	2052728.0857	2596938.1776	251NBPGL	602+68.3198	291.2742' RT	BACK OF CURB RIGHT, END
544	2052797.7305	2596929.0621	251NBPGL	603+38.1332	283.5556' RT	LIGHT POLE
545	2052715.6294	2596538.9531	251NBPGL	602+63.8632	108.1197' LT	POWER POLE
546	2052778.0463	2596700.5770	251NBPGL	603+23.0299	54.7221' RT	LIGHT POLE
547	2052716.8434	2596707.6487	251NBPGL	602+61.6977	60.5663' RT	MANHOLE GRATE
548	2052213.2601	2596472.0006	251NBPGL	597+13.5008	102.0599' LT	LIGHT POLE
549	2052221.7782	2596523.0419	251NBPGL	597+40.7103	57.0264' LT	WALL, CORNER
550	2052282.2621	2596535.1086	251NBPGL	598+05.0629	64.2061' LT	WALL, CORNER

BENCH MARKS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
412	2051077.5010	2595977.4597	722.5581	251NBPGL	584+71.0131	54.3718' LT	PERM. SURVEY MARKER, PLUG
413	2051698.9352	2596313.2380	725.3958	251NBPGL	591+71.5724	16.4163' LT	SIGN FOUNDATION, CHISELED SQUARE
414	2052223.3612	2596524.8427	744.1470	251NBPGL	597+42.8989	55.8528' LT	WALL, PLUG
415	2052334.8334	2596604.7118	724.6581	251NBPGL	598+75.8646	10.4387' LT	PIER, CHISELED SQUARE
416	2052434.3569	2596682.7146	726.6745	251NBPGL	599+86.6260	47.629' RT	PIER, CHISELED SQUARE
417	2052689.0673	2596548.0794	725.2089	251NBPGL	602+37.1236	99.5273' LT	POLE FOUNDATION, CHISELED SQUARE

FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FOREST HILLS RD OVER IL 251 HORIZONTAL & VERTICAL CONTROL				F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
oz:\pwork\pwork\goffjl\dms41657\0214405-shr-HVC.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	WINNEBAGO	216	27
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 64B79								
PLOT DATE = Tue Aug 31 10:25:01 2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								