

Chain EXIL75 contains:
45 CUR 230 CUR 270 CUR 280 CUR 290 CUR 300 CUR 310 CUR 320 CUR 200 CUR 210 CUR-
220 36

Beginning chain EXIL75 description
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Point 45 N 2,099,641.3065 E 2,560,391.2081 Sta 582+74.06

Course from 45 to PC 230 98° 27' 10.58" Dist 4,041.2025'

Curve Data

Curve 230
P.I. Station 626+94.92 N 2,098,991.4525 E 2,564,764.0493
Delta = 1° 46' 14.89" (RT)
Degree = 0° 13' 59.61"
Tangent = 379.6628'
Length = 759.2652'
Radius = 24,566.6608'
External = 2.9336'
Long Chord = 759.2350'
Mid. Ord. = 2.9332'
P.C. Station 623+15.26 N 2,099,047.2618 E 2,564,388.5107
P.T. Station 630+74.52 N 2,098,924.0651 E 2,565,137.6839
C.C. N 2,074,747.4702 E 2,560,777.2847

Course from PT 230 to PC 270 100° 13' 25.47" Dist 2,266.0854'

Curve Data

Curve 270
P.I. Station 657+77.04 N 2,098,444.3881 E 2,567,797.2929
Delta = 1° 10' 55.13" (RT)
Degree = 0° 08' 07.51"
Tangent = 436.4338'
Length = 872.8367'
Radius = 42,310.2697'
External = 2.2509'
Long Chord = 872.8212'
Mid. Ord. = 2.2507'
P.C. Station 653+40.61 N 2,098,521.8519 E 2,567,367.7887
P.T. Station 662+13.45 N 2,098,358.0810 E 2,568,225.1078
C.C. N 2,056,883.3785 E 2,559,858.0312

Course from PT 270 to PC 280 101° 24' 20.60" Dist 1,991.6302'

Curve Data

Curve 280
P.I. Station 688+31.67 N 2,097,840.3130 E 2,570,791.6287
Delta = 12° 35' 57.38" (LT)
Degree = 1° 00' 34.00"
Tangent = 626.5969'
Length = 1,248.1399'
Radius = 5,675.9751'
External = 34.4817'
Long Chord = 1,245.6266'
Mid. Ord. = 34.2735'
P.C. Station 682+05.08 N 2,097,964.2258 E 2,570,177.4061
P.T. Station 694+53.22 N 2,097,853.3649 E 2,571,418.0896
C.C. N 2,103,528.1085 E 2,571,299.8598

Curve Data

Curve 290
P.I. Station 698+42.43 N 2,097,861.4722 E 2,571,807.2207
Delta = 15° 28' 21.93" (LT)
Degree = 1° 59' 59.47"
Tangent = 389.2155'
Length = 773.6945'
Radius = 2,864.9985'
External = 26.3170'
Long Chord = 771.3457'
Mid. Ord. = 26.0774'
P.C. Station 694+53.22 N 2,097,853.3649 E 2,571,418.0896
P.T. Station 702+26.91 N 2,097,973.0982 E 2,572,180.0858
C.C. N 2,100,717.7418 E 2,571,358.4121

Course from PT 290 to PC 300 73° 20' 01.29" Dist 2,297.2034'

Curve Data

Curve 300
P.I. Station 728+63.23 N 2,098,729.1878 E 2,574,705.6585
Delta = 13° 12' 56.05" (LT)
Degree = 1° 57' 25.95"
Tangent = 339.1177'
Length = 675.2258'
Radius = 2,927.4252'
External = 19.5765'
Long Chord = 673.7300'
Mid. Ord. = 19.4465'
P.C. Station 725+24.11 N 2,098,631.9298 E 2,574,380.7866
P.T. Station 731+99.34 N 2,098,898.1408 E 2,574,999.6920
C.C. N 2,101,436.3777 E 2,573,541.2091

Course from PT 300 to PC 310 60° 07' 05.24" Dist 1,596.9781'

Curve Data

Curve 310
P.I. Station 751+17.21 N 2,099,853.6510 E 2,576,662.5919
Delta = 16° 11' 56.10" (LT)
Degree = 2° 32' 27.50"
Tangent = 320.8947'
Length = 637.5086'
Radius = 2,254.8760'
External = 22.7190'
Long Chord = 635.3875'
Mid. Ord. = 22.4924'
P.C. Station 747+96.32 N 2,099,693.7769 E 2,576,384.3588
P.T. Station 754+33.83 N 2,100,084.7974 E 2,576,885.1783
C.C. N 2,101,648.8770 E 2,575,260.9490

Course from PT 310 to PC 320 43° 55' 09.13" Dist 913.0533'

Curve Data

Curve 320
P.I. Station 766+25.50 N 2,100,943.1803 E 2,577,711.7730
Delta = 16° 28' 24.39" (RT)
Degree = 2° 58' 36.53"
Tangent = 278.6177'
Length = 553.3915'
Radius = 1,924.7344'
External = 20.0613'
Long Chord = 551.4874'
Mid. Ord. = 19.8544'
P.C. Station 763+46.88 N 2,100,742.4868 E 2,577,518.5116
P.T. Station 769+00.27 N 2,101,080.8324 E 2,577,954.0120
C.C. N 2,099,407.4077 E 2,578,904.9337

Course from PT 320 to PC 200 60° 23' 33.52" Dist 2,887.7402'

Curve Data

Curve 200
P.I. Station 806+78.58 N 2,102,947.5190 E 2,581,238.9927
Delta = 11° 47' 49.86" (LT)
Degree = 0° 39' 52.88"
Tangent = 890.5686'
Length = 1,774.8402'
Radius = 8,619.9257'
External = 45.8825'
Long Chord = 1,771.7067'
Mid. Ord. = 45.6396'
P.C. Station 797+88.01 N 2,102,507.5305 E 2,580,464.7043
P.T. Station 815+62.85 N 2,103,536.5155 E 2,581,906.9714
C.C. N 2,110,001.9655 E 2,576,206.0000

Course from PT 200 to PC 210 48° 35' 43.66" Dist 1,728.2991'

Curve Data

Curve 210
P.I. Station 836+64.77 N 2,104,926.6652 E 2,583,483.5349
Delta = 40° 37' 16.59" (RT)
Degree = 5° 40' 33.32"
Tangent = 373.6211'
Length = 715.6770'
Radius = 1,009.4531'
External = 66.9243'
Long Chord = 700.7821'
Mid. Ord. = 62.7632'
P.C. Station 832+91.15 N 2,104,679.5629 E 2,583,203.2972
P.T. Station 840+06.83 N 2,104,931.7727 E 2,583,857.1211
C.C. N 2,103,922.4139 E 2,583,870.9205

Course from PT 210 to PC 220 89° 13' 00.24" Dist 189.9553'

Curve Data

Curve 220
P.I. Station 845+05.71 N 2,104,938.5925 E 2,584,355.9593
Delta = 21° 29' 44.95" (LT)
Degree = 3° 31' 13.70"
Tangent = 308.9295'
Length = 610.5948'
Radius = 1,627.5027'
External = 29.0608'
Long Chord = 607.0201'
Mid. Ord. = 28.5510'
P.C. Station 841+96.78 N 2,104,934.3694 E 2,584,047.0586
P.T. Station 848+07.38 N 2,105,055.7134 E 2,584,641.8267
C.C. N 2,106,561.7200 E 2,584,024.8104

Course from PT 220 to 36 67° 43' 15.29" Dist 1,361.8586'

Point 36 N 2,105,572.0190 E 2,585,902.0200 Sta 861+69.24

Ending chain EXIL75 description
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CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
EXIL75	230	230	231	232	233
EXIL75	270	270	271	272	273
EXIL75	280	280	281	282	283
EXIL75	290	290	291	292	293
EXIL75	300	300	301	302	303
EXIL75	310	310	311	312	313
EXIL75	320	320	321	322	323
EXIL75	200	200	201	202	203
EXIL75	210	210	211	212	213
EXIL75	220	220	221	222	223

FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORIZONTAL & VERTICAL CONTROL IL 75			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\goffjl\d8142282\d80438\hvo.dgn	DRAWN -	REVISED -	505					115RS-2	WINNEBAGO	120	18	
PLOT SCALE = 500.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 64E89									
PLOT DATE = Fri Oct 09 12:00:52 2009	DATE -	REVISED -	SCALE:		SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		