

PROPOSED IL 2

Chain PIL2 contains:
 CUR 70200 70210 70212 CUR G_RT2-2 CUR G_RT2-3 CUR G_RT2-4 CUR G_RT2-5 CUR -
 70260 CUR 70270 CUR G_RT2-8 CUR G_RT2-9 CUR G_RT2-10

Beginning chain PIL2 description

Curve Data

Curve 70200

P.I. Station 999+71.5949 N 2,020,095.9287 E 2,583,255.7370
 Delta = 1° 08' 32" (RT)
 Degree = 2° 00' 37"
 Tangent = 28.4070'
 Length = 56.8121'
 Radius = 2,850.0000'
 External = 0.1416'
 Long Chord = 56.8111'
 Mid. Ord. = 0.1416'
 P.C. Station 999+43.1879 N 2,020,068.2901 E 2,583,262.2992
 P.T. Station 1000+00.0000 N 2,020,123.6926 E 2,583,249.7269
 C.C. N 2,020,726.6612 E 2,586,035.2123

Point 70212 N 2,020,123.6926 E 2,583,249.7269 Sta 1000+00.0000

Equation: Sta 1000+00.0000 (BK) = Sta 207+94.9480 (AH) -----
 End Region 1
 Begin Region 2

Curve Data

Curve 70210

P.I. Station 210+71.2330 N 2,020,393.7235 E 2,583,191.2739
 Delta = 11° 04' 27" (RT)
 Degree = 2° 00' 37"
 Tangent = 276.2850'
 Length = 550.8488'
 Radius = 2,850.0000'
 External = 13.3605'
 Long Chord = 549.9918'
 Mid. Ord. = 13.2982'
 P.C. Station 207+94.9480 N 2,020,123.6926 E 2,583,249.7269
 P.T. Station 213+45.7968 N 2,020,669.9538 E 2,583,185.7766
 C.C. N 2,020,726.6612 E 2,586,035.2123

Course from PT 70210 to PC G_RT2-2 N 1° 08' 24" W Dist 10,134.4207'

Curve Data

Curve G_RT2-2

P.I. Station 317+05.4292 N 2,031,027.5353 E 2,582,979.6475
 Delta = 13° 17' 18" (LT)
 Degree = 2° 57' 49"
 Tangent = 225.2117'
 Length = 448.4026'
 Radius = 1,933.3885'
 External = 13.0728'
 Long Chord = 447.3983'
 Mid. Ord. = 12.9850'
 P.C. Station 314+80.2175 N 2,030,802.3682 E 2,582,984.1286
 P.T. Station 319+28.6201 N 2,031,245.6437 E 2,582,923.5312
 C.C. N 2,030,763.8989 E 2,581,051.1229

Course from PT G_RT2-2 to PC G_RT2-3 N 14° 25' 43" W Dist 790.1732'

Curve Data

Curve G_RT2-3

P.I. Station 329+53.1738 N 2,032,237.8825 E 2,582,668.2419
 Delta = 14° 16' 58" (RT)
 Degree = 3° 03' 46"
 Tangent = 234.3805'
 Length = 466.3311'
 Radius = 1,870.6885'
 External = 14.6257'
 Long Chord = 465.1246'
 Mid. Ord. = 14.5123'
 P.C. Station 327+18.7933 N 2,032,010.8944 E 2,582,726.6428
 P.T. Station 331+85.1244 N 2,032,472.2623 E 2,582,667.6463
 C.C. N 2,032,477.0162 E 2,584,538.3288

Course from PT G_RT2-3 to PC G_RT2-4 N 0° 08' 44" W Dist 547.3892'

Curve Data

Curve G_RT2-4

P.I. Station 341+57.5894 N 2,033,444.7241 E 2,582,665.1750
 Delta = 36° 55' 10" (RT)
 Degree = 4° 29' 58"
 Tangent = 425.0758'
 Length = 820.5304'
 Radius = 1,273.3964'
 External = 69.0744'
 Long Chord = 806.4086'
 Mid. Ord. = 65.5203'
 P.C. Station 337+32.5136 N 2,033,019.6497 E 2,582,666.2552
 P.T. Station 345+53.0440 N 2,033,785.2124 E 2,582,919.6493
 C.C. N 2,033,022.8858 E 2,583,939.6475

Course from PT G_RT2-4 to PC G_RT2-5 N 36° 46' 25" E Dist 1,535.7396'

Curve Data

Curve G_RT2-5

P.I. Station 363+19.1603 N 2,035,199.8823 E 2,583,976.9458
 Delta = 23° 19' 28" (LT)
 Degree = 5° 08' 00"
 Tangent = 230.3767'
 Length = 454.3728'
 Radius = 1,116.1559'
 External = 23.5271'
 Long Chord = 451.2418'
 Mid. Ord. = 23.0414'
 P.C. Station 360+88.7836 N 2,035,015.3492 E 2,583,839.0293
 P.T. Station 365+43.1564 N 2,035,423.9411 E 2,584,030.5281
 C.C. N 2,035,683.5428 E 2,582,944.9817

Course from PT G_RT2-5 to PC 70260 N 13° 26' 58" E Dist 665.0433'

Curve Data

Curve 70260

P.I. Station 373+04.8179 N 2,036,164.7149 E 2,584,207.6795
 Delta = 16° 39' 25" (RT)
 Degree = 8° 40' 52"
 Tangent = 96.6183'
 Length = 191.8736'
 Radius = 660.0000'
 External = 7.0345'
 Long Chord = 191.1986'
 Mid. Ord. = 6.9604'
 P.C. Station 372+08.1997 N 2,036,070.7463 E 2,584,185.2075
 P.T. Station 374+00.0733 N 2,036,248.2990 E 2,584,256.1437
 C.C. N 2,035,917.2398 E 2,584,827.1076

Course from PT 70260 to PC 70270 N 30° 06' 22" E Dist 659.6550'

Curve Data

Curve 70270

P.I. Station 384+47.8612 N 2,037,154.7371 E 2,584,781.7192
 Delta = 19° 09' 26" (LT)
 Degree = 2° 29' 28"
 Tangent = 388.1329'
 Length = 769.0204'
 Radius = 2,300.0000'
 External = 32.5195'
 Long Chord = 765.4432'
 Mid. Ord. = 32.0661'
 P.C. Station 380+59.7283 N 2,036,818.9645 E 2,584,587.0299
 P.T. Station 388+28.7487 N 2,037,535.8046 E 2,584,855.4393
 C.C. N 2,037,972.6556 E 2,582,597.3070

Course from PT 70270 to PC G_RT2-8 N 10° 56' 56" E Dist 1,347.0953'

Curve Data

Curve G_RT2-8

P.I. Station 402+25.4785 N 2,038,907.1092 E 2,585,120.7275
 Delta = 4° 52' 50" (LT)
 Degree = 4° 55' 10"
 Tangent = 49.6344'
 Length = 99.2088'
 Radius = 1,164.6958'
 External = 1.0571'
 Long Chord = 99.1788'
 Mid. Ord. = 1.0562'
 P.C. Station 401+75.8441 N 2,038,858.3783 E 2,585,111.3001
 P.T. Station 402+75.0529 N 2,038,956.4654 E 2,585,125.9747
 C.C. N 2,039,079.5950 E 2,583,967.8057

Course from PT G_RT2-8 to PC G_RT2-9 N 6° 04' 07" E Dist 1,402.4826'

Curve Data

Curve G_RT2-9

P.I. Station 417+44.4111 N 2,040,417.5896 E 2,585,281.3127
 Delta = 21° 58' 21" (RT)
 Degree = 16° 37' 56"
 Tangent = 66.8756'
 Length = 132.1080'
 Radius = 344.4875'
 External = 6.4313'
 Long Chord = 131.3000'
 Mid. Ord. = 6.3134'
 P.C. Station 416+77.5355 N 2,040,351.0887 E 2,585,274.2427
 P.T. Station 418+09.6435 N 2,040,476.6148 E 2,585,312.7511
 C.C. N 2,040,314.6701 E 2,585,616.7998

Course from PT G_RT2-9 to PC G_RT2-10 N 28° 02' 28" E Dist 1,681.4382'

Curve Data

Curve G_RT2-10

P.I. Station 435+53.4204 N 2,042,015.6922 E 2,586,132.5062
 Delta = 23° 40' 42" (RT)
 Degree = 19° 16' 00"
 Tangent = 62.3386'
 Length = 122.8977'
 Radius = 297.3813'
 External = 6.4636'
 Long Chord = 122.0250'
 Mid. Ord. = 6.3261'
 P.C. Station 434+91.0817 N 2,041,960.6714 E 2,586,103.2006
 P.T. Station 436+13.9794 N 2,042,054.3118 E 2,586,181.4412
 C.C. N 2,041,820.8715 E 2,586,365.6728

Ending chain PIL2 description

EXISTING PELLEY ROAD

Chain PELLEY contains:
 25 200 210

Beginning chain PELLEY description

Point 25 N 2,021,675.3990 E 2,582,407.3404 Sta 100+00.0000

Course from 25 to 200 N 89° 16' 10" E Dist 758.2958'

Point 200 N 2,021,685.0659 E 2,583,165.5745 Sta 107+58.2958

Course from 200 to 210 N 89° 16' 10" E Dist 142.2303'

Point 210 N 2,021,686.8791 E 2,583,307.7933 Sta 109+00.5260

Ending chain PELLEY description

FILE NAME = G:\2010\TRANS\B10T001\DCN\HYC\001500-HY	USER NAME = petp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP 742 (IL 2) HORIZONTAL AND VERTICAL CONTROL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			742	34R	WINNEBAGO	491	54	
		CHECKED -	REVISED -			CONTRACT NO. 64515					
		DATE -	REVISED -			[ILLINOIS] FED. AID PROJECT					
				SCALE: 1" = 200'	SHEET NO. OF SHEETS	STA.	TO STA.				