

HORIZONTAL & VERTICAL CONTROL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	37R-2	OGLE	389	31
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT #64157				

Beginning chain EXIL2 description
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Point 1373 N 605,864.0470 E 772,662.7630 Sta 31+586.3670
 Course from 1373 to PC 210 37° 30' 17.2983" Dist 553.4700'

Curve Data

Curve 210
 P.I. Station 32+352.8515 N 606,472.1027 E 773,129.4177
 Delta = 57° 30' 27.8425" (RT)
 Tangent = 213.0145'
 Length = 389.6481'
 Radius = 388.2120'
 External = 54.6014'
 Long Chord = 373.4972'
 Mid. Ord. = 47.8688'
 P.C. Station 32+139.8370 N 606,303.1160 E 772,999.7310
 P.T. Station 32+529.4851 N 606,453.4939 E 773,341.6178
 C.C. N 606,066.7661 E 773,307.7039

Course from PT 210 to PC 220 95° 00' 42.1164" Dist 773.3468'

Curve Data

Curve 220
 P.I. Station 33+422.7596 N 606,375.4582 E 774,231.4773
 Delta = 7° 21' 48.9693" (LT)
 Tangent = 119.9278'
 Length = 239.5253'
 Radius = 1,863.7330'
 External = 3.8546'
 Long Chord = 239.3605'
 Mid. Ord. = 3.8466'
 P.C. Station 33+302.8318 N 606,385.9350 E 774,112.0080
 P.T. Station 33+542.3572 N 606,380.3797 E 774,351.3040
 C.C. N 608,242.5427 E 774,274.8220

Course from PT 220 to PC 230 87° 38' 53.0344" Dist 1,316.8523'

Curve Data

Curve 230
 P.I. Station 35+028.7026 N 606,441.3754 E 775,836.3974
 Delta = 57° 44' 01.1412" (LT)
 Tangent = 169.4932'
 Length = 309.8067'
 Radius = 307.4570'
 External = 43.6238'
 Long Chord = 296.8654'
 Mid. Ord. = 38.2033'
 P.C. Station 34+859.2094 N 606,434.4200 E 775,667.0470
 P.T. Station 35+169.0161 N 606,588.2872 E 775,920.9248
 C.C. N 606,741.6180 E 775,654.4300

Course from PT 230 to PC 240 29° 54' 53.4822" Dist 244.6744'

Curve Data

Curve 240
 P.I. Station 35+489.5085 N 606,866.0797 E 776,080.7579
 Delta = 12° 13' 39.1115" (LT)
 Tangent = 75.8179'
 Length = 151.0599'
 Radius = 707.8365'
 External = 4.0489'
 Long Chord = 150.7734'
 Mid. Ord. = 4.0259'
 P.C. Station 35+413.6906 N 606,800.3630 E 776,042.9470
 P.T. Station 35+564.7504 N 606,938.3138 E 776,103.7926
 C.C. N 607,153.3660 E 775,429.4151

Course from PT 240 to PC 250 17° 41' 12.1779" Dist 384.4756'

Curve Data

Curve 250
 P.I. Station 36+020.4479 N 607,372.4713 E 776,242.2392
 Delta = 24° 56' 19.0177" (LT)
 Tangent = 71.2219'
 Length = 140.1878'
 Radius = 322.0775'
 External = 7.7808'
 Long Chord = 139.0838'
 Mid. Ord. = 7.5972'
 P.C. Station 35+949.2261 N 607,304.6160 E 776,220.6010
 P.T. Station 36+089.4138 N 607,443.1235 E 776,233.2488
 C.C. N 607,402.4676 E 775,913.7476

Course from PT 250 to PC 260 352° 44' 55.1622" Dist 237.5242'

Ending chain EXIL2 description
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CURVE POINT NUMBERS				
CURVE	PI	CC	PC	PT
NA	1373	NA	NA	NA
210	210	211	212	213
220	220	221	222	223
230	230	231	232	233
240	240	241	242	243
250	250	251	252	253

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCALE: VERT. HORIZ. DATE DRAWN BY CHECKED BY

File: Aug 27 13:17:46 2004
 C:\p0\meta\200806\080906\080906\080906.dgn
 REFERENCE = 080906.DGN MASTER LV = 1-6363
 REFERENCE = C:\PROJECTS\200806\080906\080906.DGN PLM
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