

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	72
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* ROUTE 17 (US 52 / IL 64)				
** (1,2)RS & (3,1) RS-1				

PROPOSED CONTROL

Curve Data

Curve S320

P.I. Station 346+26.1131 N 1,974,261.5889 E 2,325,451.4264
 Delta = 29° 29' 45.8165" (RT)
 Degree = 2° 29' 00.1683"
 Tangent = 607.3421'
 Length = 1,187.7385'
 Radius = 2,307.1692'
 External = 78.5999'
 Long Chord = 1,174.6661'
 Mid. Ord. = 76.0104'
 P.C. Station 340+18.7709 N 1,974,491.6499 E 2,324,889.3442
 P.T. Station 352+06.5094 N 1,973,784.5974 E 2,325,827.3832
 C.C. N 1,972,356.4138 E 2,324,015.3895

Course from PT S320 to PC S330 141° 45' 19.4532" Dist 247.8399'

Curve Data

Curve S330

P.I. Station 363+54.8384 N 1,972,882.7282 E 2,326,538.2217
 Delta = 42° 50' 32.0469" (LT)
 Degree = 2° 29' 46.4502"
 Tangent = 900.4891'
 Length = 1,716.2733'
 Radius = 2,295.2868'
 External = 170.3211'
 Long Chord = 1,676.5689'
 Mid. Ord. = 158.5555'
 P.C. Station 354+54.3493 N 1,973,589.9501 E 2,325,980.8011
 P.T. Station 371+70.6226 N 1,972,743.2087 E 2,327,427.8368
 C.C. N 1,975,010.7783 E 2,327,783.4627

Course from PT S330 to PC S340 98° 54' 47.4063" Dist 369.0697'

Curve Data

Curve S340

P.I. Station 379+71.1129 N 1,972,619.1828 E 2,328,218.6606
 Delta = 21° 15' 56.4891" (RT)
 Degree = 2° 29' 35.8827"
 Tangent = 431.4206'
 Length = 852.9132'
 Radius = 2,297.9891'
 External = 40.1464'
 Long Chord = 848.0260'
 Mid. Ord. = 39.4571'
 P.C. Station 375+39.6923 N 1,972,686.0260 E 2,327,792.4497
 P.T. Station 383+92.6055 N 1,972,402.3072 E 2,328,591.6066
 C.C. N 1,970,415.7867 E 2,327,436.4051

Course from PT S340 to PC S350 120° 10' 43.8954" Dist 293.0509'

Curve Data

Curve S350

P.I. Station 391+82.4200 N 1,972,005.2666 E 2,329,274.3699
 Delta = 29° 03' 17.0264" (LT)
 Degree = 2° 59' 19.4084"
 Tangent = 496.7636'
 Length = 972.1448'
 Radius = 1,917.0646'
 External = 63.3169'
 Long Chord = 961.7620'
 Mid. Ord. = 61.2925'
 P.C. Station 386+85.6564 N 1,972,254.9902 E 2,328,844.9375
 P.T. Station 396+57.8012 N 1,971,995.5209 E 2,329,771.0379
 C.C. N 1,973,912.2165 E 2,329,808.6478

Course from PT S350 to PC S360 91° 07' 26.8690" Dist 571.6450'

Curve Data

Curve S360

P.I. Station 407+27.3603 N 1,971,974.5377 E 2,330,840.3912
 Delta = 16° 08' 41.7917" (RT)
 Degree = 1° 37' 55.4559"
 Tangent = 497.9141'
 Length = 989.2303'
 Radius = 3,510.6179'
 External = 35.1340'
 Long Chord = 985.9608'
 Mid. Ord. = 34.7859'
 P.C. Station 402+29.4462 N 1,971,984.3060 E 2,330,342.5729
 P.T. Station 412+18.6766 N 1,971,826.7272 E 2,331,315.8599
 C.C. N 1,968,474.3638 E 2,330,273.6998

Course from PT S360 to PC S370 107° 16' 08.6607" Dist 521.5287'

Curve Data

Curve S370

P.I. Station 423+22.9846 N 1,971,498.9029 E 2,332,370.3870
 Delta = 28° 36' 27.4140" (LT)
 Degree = 2° 30' 24.1425"
 Tangent = 582.7793'
 Length = 1,141.2432'
 Radius = 2,285.6998'
 External = 73.1252'
 Long Chord = 1,129.4256'
 Mid. Ord. = 70.8583'
 P.C. Station 417+40.2052 N 1,971,671.9065 E 2,331,813.8787
 P.T. Station 428+81.4484 N 1,971,613.4807 E 2,332,941.7920
 C.C. N 1,973,854.5696 E 2,332,492.4103

Course from PT S370 to PC S380 78° 39' 41.2466" Dist 1,437.3120'

Curve Data

Curve S380

P.I. Station 447+95.1537 N 1,971,989.7261 E 2,334,818.1468
 Delta = 17° 21' 48.9142" (RT)
 Degree = 1° 50' 11.3184"
 Tangent = 476.3933'
 Length = 945.4833'
 Radius = 3,119.8740'
 External = 36.1622'
 Long Chord = 941.8694'
 Mid. Ord. = 35.7478'
 P.C. Station 443+18.7604 N 1,971,896.0645 E 2,334,351.0514
 P.T. Station 452+64.2437 N 1,971,939.7224 E 2,335,291.9085
 C.C. N 1,968,837.0822 E 2,334,964.4366

Course from PT S380 to PC 50390 96° 01' 30.1608" Dist 421.1405'

Curve Data

Curve 50390

P.I. Station 462+48.7263 N 1,971,836.3880 E 2,336,270.9529
 Delta = 5° 22' 32.0667" (LT)
 Degree = 0° 28' 38.8734"
 Tangent = 563.3421'
 Length = 1,125.8576'
 Radius = 12,000.0000'
 External = 13.2158'
 Long Chord = 1,125.4447'
 Mid. Ord. = 13.2013'
 P.C. Station 456+85.3842 N 1,971,895.5181 E 2,335,710.7226
 P.T. Station 468+11.2418 N 1,971,830.0024 E 2,336,834.2588
 C.C. N 1,983,829.2315 E 2,336,970.2807

Course from PT 50390 to PC 52200 90° 38' 58.0942" Dist 988.7581'

Curve Data

Curve 52200

P.I. Station 480+00.0125 N 1,971,816.5275 E 2,338,022.9531
 Delta = 1° 34' 22.7286" (LT)
 Degree = 0° 23' 35.6822"
 Tangent = 200.0126'
 Length = 400.0000'
 Radius = 14,569.9941'
 External = 1.3728'
 Long Chord = 399.9874'
 Mid. Ord. = 1.3727'
 P.C. Station 477+99.9999 N 1,971,818.7947 E 2,337,822.9534
 P.T. Station 481+99.9999 N 1,971,819.7512 E 2,338,222.9397
 C.C. N 1,986,387.8528 E 2,337,988.1066

Curve Data

Curve 52210

P.I. Station 484+00.0613 N 1,971,822.9757 E 2,338,422.9751
 Delta = 1° 15' 27.1540" (RT)
 Degree = 0° 18' 51.4867"
 Tangent = 200.0614'
 Length = 400.1067'
 Radius = 18,229.5382'
 External = 1.0978'
 Long Chord = 400.0986'
 Mid. Ord. = 1.0977'
 P.C. Station 481+99.9999 N 1,971,819.7512 E 2,338,222.9397
 P.T. Station 486+00.1066 N 1,971,821.8094 E 2,338,623.0330
 C.C. N 1,953,592.5810 E 2,338,516.7558

Course from PT 52210 to PC S1210 90° 20' 02.5196" Dist 4,268.8510'

Curve Data

Curve S1210

P.I. Station 542+38.6177 N 1,971,788.9372 E 2,344,261.4483
 Delta = 39° 26' 10.0278" (LT)
 Degree = 1° 29' 57.4596"
 Tangent = 1,369.6601'
 Length = 2,630.3120'
 Radius = 3,821.5165'
 External = 238.0348'
 Long Chord = 2,578.6981'
 Mid. Ord. = 224.0775'
 P.C. Station 528+68.9576 N 1,971,796.9222 E 2,342,891.8115
 P.T. Station 554+99.2696 N 1,972,652.7873 E 2,345,324.3367
 C.C. N 1,975,618.3737 E 2,342,914.0907

Course from PT S1210 to PC S1220 50° 53' 52.4918" Dist 1,179.5551'

Curve Data

Curve S1220

P.I. Station 572+74.5573 N 1,973,772.4685 E 2,346,702.0015
 Delta = 30° 43' 34.9138" (RT)
 Degree = 2° 38' 33.0307"
 Tangent = 595.7325'
 Length = 1,162.7726'
 Radius = 2,168.2344'
 External = 80.3513'
 Long Chord = 1,148.8891'
 Mid. Ord. = 77.4800'
 P.C. Station 566+78.8248 N 1,973,396.7375 E 2,346,239.6991
 P.T. Station 578+41.5974 N 1,973,859.2451 E 2,347,291.3801
 C.C. N 1,971,714.1368 E 2,347,607.2134

Course from PT S1220 to PC S1230 81° 37' 27.4056" Dist 1,295.8928'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. / HORIZ.
 DATE

DRAWN BY / CHECKED BY

PLOT DATE = Fri Mar 23 06:51:53 2007
 FILE NAME = c:\p\projects\207489\489\489.vdgn
 PLOT SCALE = 50.0000 / IN.
 USER NAME = hamsokde