EXISTING CONTROL

Curve Data

Curve 320
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 320 to PC 330 141° 45′ 19.4532″ Dist 247.8399′

Curve Data

Curve 330
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 330 to PC 340 98° 54′ 47.4063″ Dist 369.0697′

Curve Data

Curve 340
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 340 to PC 350 120° 10′ 43.8954″ Dist 293.0509′

Curve Data

Curve 350
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 350 to PC 360 91° 07′ 26.8690″ Dist 571.6450′

Curve Data

Curve 360
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 360 to PC 370 107° 16′ 08.6607″ Dist 521.5287′

Curve Data

Curve 370
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 370 to PC 380 78° 39′ 41.2466″ Dist 1,437.3120′

Curve Data

Curve 380
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 380 to PC 390 96° 01′ 30.1608″ Dist 343.4112′

Curve Data

Curve 390
P.I. Station 461+63.7083 N 1,971,845.3117 E 2,336,186.4045
Delta = 5° 22′ 36.3483″ (LT)
Degree = 0° 29′ 01.7900″
Tangent = 556.0534′
Length = 1,111.2906′
Radius = 11,842.1165′
External = 13.0477′
Long Chord = 1,110.8828′
Mid. Ord. = 13.0334′
P.C. Station 456+07.6549 N 1,971,903.6769 E 2,335,633.4227
P.T. Station 467+18.9455 N 1,971,839.0203 E 2,336,742.4223
C.C. N 1,983,680.3788 E 2,336,876.4088

Course from PT 390 to PC 1200 90° 38′ 53.8125″ Dist 963.0324′

Curve Data

Curve 1200
P.I. Station 478+57.9074 N 1,971,826.1336 E 2,337,881.3114
Delta = 0° 18′ 51.2929″ (LT)
Degree = 0° 05′ 21.5196″
Tangent = 175.9295′
Length = 351.8582′
Radius = 64,153.1126′
External = 0.2412′
Long Chord = 351.8578′
Mid. Ord. = 0.2412′
P.C. Station 476+81.9779 N 1,971,828.1242 E 2,337,705.3931
P.T. Station 480+33.8361 N 1,971,825.1080 E 2,338,057.2379
C.C. N 2,035,977.1304 E 2,338,431.2471

Course from PT 1200 to PC 1210 90° 20′ 02.5196″ Dist 4,834.6557′

Curve Data

Curve 1210
P.I. Station 542+38.1519 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+68.4918 N 1,971,796.9222 E 2,342,891.8115
P.T. Station 554+98.8038 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 1210 to PC 1220 50° 53′ 52.4918″ Dist 1,179.5551′

Curve Data

Curve 1220
P.I. Station 572+74.0915 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+78.3590 N 1,973,396.7375 E 2,346,239.6991
P.T. Station 578+41.1315 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 1220 to PC 1230 81° 37′ 27.4056″ Dist 1,295.8928′

Curve Data

Curve 1230
P.I. Station 599+52.4732 N 1,974,166.7912 E 2,349,380.2025
Delta = 31° 44′ 33.1009″ (LT)
Degree = 1° 59′ 51.6524″
Tangent = 815.4489′
Length = 1,588.9686′
Radius = 2,868.1143′
External = 113.6698′
Long Chord = 1,568.7256′
Mid. Ord. = 109.3366′
P.C. Station 591+37.0243 N 1,974,048.0098 E 2,348,573.4510
P.T. Station 607+25.9930 N 1,974,692.2397 E 2,350,003.7894
C.C. N 1,976,885.5332 E 2,348,155.6706

Course from PT 1230 to PC 1240 49° 52′ 54.3047″ Dist 2,885.4388′

Curve Data

Curve 1240
P.I. Station 646+71.6541 N 1,977,234.6944 E 2,353,021.1004
Delta = 40° 37′ 35.6064″ (RT)
Degree = 2° 00′ 01.6990″
Tangent = 1,060.2223′
Length = 2,030.8486′
Radius = 2,864.1131′
External = 189.9359′
Long Chord = 1,988.5709′
Mid. Ord. = 178.1235′
P.C. Station 636+11.4318 N 1,976,551.5219 E 2,352,210.3313
P.T. Station 656+42.2804 N 1,977,225.2886 E 2,354,081.2810
C.C. N 1,974,361.2882 E 2,354,055.8719

Course from PT 1240 to 147 90° 30′ 29.9110″ Dist 2,221.4404′

Point 147 N 1,977,205.5810 E 2,356,302.6340 Sta 678+63.7209

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Ending chain EXUS52 description

CONTRACT NO. 64560

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	66
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* ROUTE 17 (US 52 / IL 64)
** (1,2)RS & (3,1) RS-1

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PLOT DATE = Fri Mar 23 09:16:22 2007
FILE NAME = s:\projects\b2874800\d874800vc.dgn
PLOTTED BY = Hanscrke
USER NAME = Hanscrke

HORIZONTAL & VERTICAL CONTROL