

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	73
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 S1230
 P.I. Station 599+52.9390 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+37.4901 N 1,974,048.0098 E 2,348,573.4510
 P.T. Station 607+26.4588 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 S1230 to PC S1240 49° 52' 54.3047" Dist 2,885.4388'

Curve Data

Curve S1240
 P.I. Station 646+72.1199 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+11.8976 N 1,976,551.5219 E 2,352,210.3313
 P.T. Station 656+42.7462 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 S1240 to S147 90° 30' 29.9110" Dist 2,221.4404'

Point S147 N 1,977,205.5810 E 2,356,302.6340 Sta 678+64.1867

Ending chain PRUS52 description

Chain PQUARRYRD contains:
 70280 CUR 70290 CUR 70300 G191
 Beginning chain PQUARRYRD description

Point 70280 N 1,971,956.7728 E 2,334,998.2684 Sta 1001+05.0246
 Course from 70280 to PC 70290 350° 37' 16.7702" Dist 244.3716'

Curve Data

Curve 70290
 P.I. Station 1005+10.9567 N 1,972,357.2787 E 2,334,932.1182
 Delta = 31° 54' 55.8347" (LT)
 Degree = 10° 08' 27.0454"
 Tangent = 161.5604'
 Length = 314.7224'
 Radius = 565.0000'
 External = 22.6451'
 Long Chord = 310.6692'
 Mid. Ord. = 21.7725'
 P.C. Station 1003+49.3963 N 1,972,197.8779 E 2,334,958.4459
 P.T. Station 1006+64.1186 N 1,972,478.6640 E 2,334,825.5004
 C.C. N 1,972,105.8062 E 2,334,400.9983

Course from PT 70290 to PC 70300 318° 42' 20.9355" Dist 112.0000'

Curve Data

Curve 70300
 P.I. Station 1009+89.1804 N 1,972,722.8931 E 2,334,610.9839
 Delta = 41° 19' 22.6832" (RT)
 Degree = 10° 08' 27.0454"
 Tangent = 213.0618'
 Length = 407.4903'
 Radius = 565.0000'
 External = 38.8380'
 Long Chord = 398.7159'
 Mid. Ord. = 36.3400'
 P.C. Station 1007+76.1186 N 1,972,562.8131 E 2,334,751.5888
 P.T. Station 1011+83.6089 N 1,972,935.9548 E 2,334,611.0909
 C.C. N 1,972,935.6710 E 2,335,176.0908

Course from PT 70300 to G191 0° 01' 43.6187" Dist 513.7423'

Point G191 N 1,973,449.6970 E 2,334,611.3490 Sta 1016+97.3512

Ending chain PQUARRYRD description

Chain QUARRYCE1 contains:
 70004 CUR 70340 70350

Beginning chain QUARRYCE1 description

Point 70004 N 1,972,225.1960 E 2,334,355.8020 Sta 33+81.7854

Course from 70004 to PC 70340 109° 05' 07.6761" Dist 173.8313'

Curve Data

Curve 70340
 P.I. Station 36+44.3888 N 1,972,139.3304 E 2,334,603.9706
 Delta = 28° 27' 50.9060" (LT)
 Degree = 16° 22' 12.8018"
 Tangent = 88.7721'
 Length = 173.8775'
 Radius = 350.0000'
 External = 11.0824'
 Long Chord = 172.0950'
 Mid. Ord. = 10.7422'
 P.C. Station 35+55.6167 N 1,972,168.3570 E 2,334,520.0781
 P.T. Station 37+29.4943 N 1,972,153.7966 E 2,334,691.5561
 C.C. N 1,972,499.1181 E 2,334,634.5205

Course from PT 70340 to 70350 80° 37' 16.7701" Dist 270.5057'

Point 70350 N 1,972,197.8779 E 2,334,958.4459 Sta 40+00.0000

Ending chain QUARRYCE1 description

Chain PRPRESTON contains:
 60000 60001

Beginning chain PRPRESTON description

Point 60000 N 1,971,631.0360 E 2,337,446.9010 Sta 87+99.92

Course from 60000 to 60001 359° 02' 18.0219" Dist 192.0852'

Point 60001 N 1,971,823.0941 E 2,337,443.6772 Sta 89+92.01

Ending chain PRPRESTON description

Chain PROLD52_W contains:
 52250 CUR 52260

Beginning chain PROLD52_W description

Point 52250 N 1,971,931.0598 E 2,343,917.9353 Sta 1200+28.4400

Course from 52250 to PC 52260 N 0° 13' 45.3978" W Dist 104.7623'

Curve Data

Curve 52260
 P.I. Station 1202+01.6953 N 1,972,104.3137 E 2,343,917.2420
 Delta = 25° 18' 48.8751" (RT)
 Degree = 18° 47' 07.8053"
 Tangent = 68.4930'
 Length = 134.7506'
 Radius = 305.0000'
 External = 7.5961'
 Long Chord = 133.6573'
 Mid. Ord. = 7.4115'
 P.C. Station 1201+33.2023 N 1,972,035.8212 E 2,343,917.5161
 P.T. Station 1202+67.9529 N 1,972,166.3468 E 2,343,946.2797
 C.C. N 1,972,037.0417 E 2,344,222.5136

Ending chain PROLD52_W description

Chain PRMILLST contains:
 G163 CUR G1340 CUR 70250 CUR 70260 G142

Beginning chain PRMILLST description

Point G163 N 1,971,724.3690 E 2,345,388.0710 Sta 1700+00.0000

Course from G163 to PC G1340 359° 41' 41.2383" Dist 368.2640'

Curve Data

Curve G1340
 P.I. Station 1704+72.7347 N 1,972,197.0970 E 2,345,385.5528
 Delta = 14° 14' 48.8060" (RT)
 Degree = 6° 51' 14.2331"
 Tangent = 104.4708'
 Length = 207.8638'
 Radius = 835.9522'
 External = 6.5027'
 Long Chord = 207.3287'
 Mid. Ord. = 6.4525'
 P.C. Station 1703+68.2640 N 1,972,092.6278 E 2,345,386.1093
 P.T. Station 1705+76.1278 N 1,972,298.4902 E 2,345,410.7233
 C.C. N 1,972,097.0808 E 2,346,222.0497

Course from PT G1340 to PC 70250 13° 56' 30.0443" Dist 65.6683'

Curve Data

Curve 70250
 P.I. Station 1707+67.1379 N 1,972,483.8735 E 2,345,456.7442
 Delta = 23° 36' 28.8275" (LT)
 Degree = 9° 33' 10.7506"
 Tangent = 125.3419'
 Length = 247.1270'
 Radius = 599.7683'
 External = 12.9572'
 Long Chord = 245.3825'
 Mid. Ord. = 12.6832'
 P.C. Station 1706+41.7961 N 1,972,362.2240 E 2,345,426.5451
 P.T. Station 1708+88.9231 N 1,972,607.4358 E 2,345,435.6980
 C.C. N 1,972,506.7286 E 2,344,844.4451

Course from PT 70250 to PC 70260 350° 20' 01.2168" Dist 277.4934'

Curve Data

Curve 70260
 P.I. Station 1712+58.4645 N 1,972,971.7306 E 2,345,373.6483
 Delta = 8° 11' 08.3536" (RT)
 Degree = 4° 27' 14.3296"
 Tangent = 92.0481'
 Length = 183.7829'
 Radius = 1,286.3950'
 External = 3.2890'
 Long Chord = 183.6266'
 Mid. Ord. = 3.2807'
 P.C. Station 1711+66.4165 N 1,972,880.9894 E 2,345,389.1041
 P.T. Station 1713+50.1993 N 1,973,063.7479 E 2,345,371.2698
 C.C. N 1,973,096.9881 E 2,346,657.2352

Course from PT 70260 to G142 358° 31' 09.5703" Dist 201.2713'

Point G142 N 1,973,264.9520 E 2,345,366.0690 Sta 1715+51.4706

Ending chain PRMILLST description

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

HORIZONTAL & VERTICAL CONTROL

PLOT DATE = Fri, Mar 23, 06:05:33, 2007
 FILE NAME = c:\nrc\mets\2074680\d074280\wcdgn
 PLOT SCALE = 50.0000' / IN.
 USER NAME = hmsnrc