

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	D3-00520-00-WR	WINNEBAGO	254	24
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

HORIZONTAL & VERTICAL CONTROL

Beginning chain MULFORD description

Point 30 N 2,030,439.5270 E 2,612,809.7110 Sta 4+50.00

Course from 30 to PC MULCRV1 N 1° 22' 07.65" W Dist 37.8438

Curve Data

Curve MULCRV1

P.I. Station 6+99.64 N 2,030,689.0914 E 2,612,803.7445
 Delta = 8° 28' 33.64" (LT)
 Degree = 2° 00' 16.85"
 Tangent = 211.7919
 Length = 422.8110
 Radius = 2,858.1000
 External = 7.8364
 Long Chord = 422.4256
 Mid. Ord. = 7.8150
 P.C. Station 4+87.84 N 2,030,477.3600 E 2,612,808.8070
 P.T. Station 9+10.65 N 2,030,897.7640 E 2,612,767.5290
 C.C. N 2,030,409.0418 E 2,609,951.5236
 Back = N 1° 22' 10.89" W
 Ahead = N 9° 50' 44.53" W
 Chord Bear = N 5° 36' 27.71" W

Course from PT MULCRV1 to PC MULCRV2 N 9° 50' 44.13" W Dist 843.2482

Curve Data

Curve MULCRV2

P.I. Station 19+77.65 N 2,031,949.0426 E 2,612,585.0797
 Delta = 8° 55' 51.64" (RT)
 Degree = 1° 59' 59.47"
 Tangent = 223.7449
 Length = 446.5834
 Radius = 2,865.0000
 External = 8.7235
 Long Chord = 446.1314
 Mid. Ord. = 8.6970
 P.C. Station 17+53.90 N 2,031,728.5930 E 2,612,623.3390
 P.T. Station 22+00.49 N 2,032,172.7590 E 2,612,581.5080
 C.C. N 2,032,218.4940 E 2,615,446.1429
 Back = N 9° 50' 44.45" W
 Ahead = N 0° 54' 52.81" W
 Chord Bear = N 5° 22' 48.63" W

Course from PT MULCRV2 to 37 N 0° 54' 52.72" W Dist 357.5166

Point 37 N 2,032,530.2300 E 2,612,575.8010 Sta 25+58.00

Ending chain MULFORD description

Beginning chain STOW description

Point 65 N 2,031,239.6170 E 2,610,886.3330 Sta 1000+00.00

Course from 65 to 66 N 1° 23' 56.92" W Dist 668.0932

Point 66 N 2,031,907.5110 E 2,610,870.0200 Sta 1006+68.09

Ending chain STOW description

Beginning chain UPLAND description

Point 21 N 2,031,426.2970 E 2,605,732.6640 Sta 210+82.09

Course from 21 to PC 50 N 0° 55' 02.86" W Dist 50.9399

Equation: Sta 211+33.03 (BK) = Sta 10+50.94 (AH)

End Region 1

 Begin Region 2

Curve Data

Curve 50

P.I. Station 11+09.61 N 2,031,535.8880 E 2,605,730.9090
 Delta = 32° 41' 44.02" (RT)
 Degree = 28° 38' 52.40"
 Tangent = 58.6652
 Length = 114.1290
 Radius = 200.0000
 External = 8.4265
 Long Chord = 112.5868
 Mid. Ord. = 8.0858
 P.C. Station 10+50.94 N 2,031,477.2303 E 2,605,731.8483
 P.T. Station 11+65.07 N 2,031,585.7589 E 2,605,761.8039
 C.C. N 2,031,480.4327 E 2,605,931.8227
 Back = N 0° 55' 02.86" W
 Ahead = N 31° 46' 41.16" E
 Chord Bear = N 15° 25' 49.15" E

Course from PT 50 to 51 N 31° 46' 41.16" E Dist 152.6479

Point 51 N 2,031,715.5240 E 2,605,842.1930 Sta 13+17.72

Ending chain UPLAND description