

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	37
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

HORIZONTAL AND VERTICAL CONTROL

Beginning chain VAL-VIEW description

Point 360 X 398,188.9437 Y 1,749,278.0279 Sta 151+15.000

Course from 360 to PC V.V.NO.1 N 39° 21' 33.795" E Dist 124.7947

Curve Data

Curve V.V.NO.1
 P.I. Station 153+18.730 X 398,318.1457 Y 1,749,435.5485
 Delta = 35° 02' 45.966" (RT)
 Degree = 22° 55' 05.922"
 Tangent = 78.9353
 Length = 152.9175
 Radius = 250.0000
 External = 12.1656
 Long Chord = 150.5447
 Mid. Ord. = 11.6010
 P.C. Station 152+39.795 X 398,268.0863 Y 1,749,374.5171
 P.T. Station 153+92.712 X 398,394.1752 Y 1,749,456.7685
 C.C. X 398,461.3621 Y 1,749,215.9714
 Back = N 39° 21' 33.795" E
 Ahead = N 74° 24' 19.761" E
 Chord Bear = N 56° 52' 56.778" E

Course from PT V.V.NO.1 to PC V.V.NO.2 N 74° 24' 19.761" E Dist 7.3438

Curve Data

Curve V.V.NO.2
 P.I. Station 156+47.777 X 398,639.8506 Y 1,749,525.3369
 Delta = 4° 56' 09.044" (RT)
 Degree = 0° 59' 48.724"
 Tangent = 247.7209
 Length = 495.1354
 Radius = 5,747.5800
 External = 5.3359
 Long Chord = 494.9823
 Mid. Ord. = 5.3310
 P.C. Station 154+00.056 X 398,401.2487 Y 1,749,458.7427
 P.T. Station 158+95.191 X 398,883.2975 Y 1,749,571.1548
 C.C. X 399,946.3565 Y 1,743,922.7407
 Back = N 74° 24' 19.761" E
 Ahead = N 79° 20' 28.805" E
 Chord Bear = N 76° 52' 24.283" E

Course from PT V.V.NO.2 to PC V.V.NO.3 N 79° 20' 28.805" E Dist 324.1915

Curve Data

Curve V.V.NO.3
 P.I. Station 165+20.734 X 399,498.0478 Y 1,749,686.8538
 Delta = 33° 32' 25.944" (LT)
 Degree = 5° 43' 46.481"
 Tangent = 301.3517
 Length = 585.3929
 Radius = 1,000.0000
 External = 44.4199
 Long Chord = 577.0700
 Mid. Ord. = 42.5307
 P.C. Station 162+19.383 X 399,201.8955 Y 1,749,631.1165
 P.T. Station 168+04.776 X 399,714.0929 Y 1,749,896.9427
 C.C. X 399,016.9378 Y 1,750,613.8630
 Back = N 79° 20' 28.805" E
 Ahead = N 45° 48' 02.861" E
 Chord Bear = N 62° 34' 15.833" E

Course from PT V.V.NO.3 to 365 N 45° 48' 02.861" E Dist 775.1407

Point 365 X 400,269.8070 Y 1,750,437.3360 Sta 175+79.916

Ending chain VAL-VIEW description