

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	34
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

HORIZONTAL AND VERTICAL CONTROL

Beginning chain 52-RAMP3 description

Point 330 X 398,535.6820 Y 1,746,862.6410 Sta 0+00.000
 Course from 330 to PC 52-RAMP3-1 N 3° 47' 27.317" E Dist 759.9967

Curve Data

Curve 52-RAMP3-1
 P.I. Station = 9+64.846 X 398,599.4730 Y 1,747,825.3760
 Delta = 59° 04' 43.563" (RT)
 Degree = 15° 50' 59.616"
 Tangent = 204.8493
 Length = 372.7392
 Radius = 361.4900
 External = 54.0076
 Long Chord = 356.4448
 Mid. Ord. = 46.9876
 P.C. Station = 7+59.997 X 398,585.9298 Y 1,747,620.9748
 P.T. Station = 11+32.736 X 398,781.7829 Y 1,747,918.7910
 C.C. = 398,946.6289 Y 1,747,597.0756
 Back = N 3° 47' 26.744" E
 Ahead = N 62° 52' 10.307" E
 Chord Bear = N 33° 19' 48.526" E

Course from PT 52-RAMP3-1 to PC 52-RAMP3-2 N 62° 52' 10.862" E Dist 248.5905

Curve Data

Curve 52-RAMP3-2
 P.I. Station = 14+52.627 X 399,066.4770 Y 1,748,064.6660
 Delta = 26° 44' 19.333" (LT)
 Degree = 19° 05' 54.935"
 Tangent = 71.3005
 Length = 140.0035
 Radius = 300.0000
 External = 8.3566
 Long Chord = 138.7365
 Mid. Ord. = 8.1301
 P.C. Station = 13+81.326 X 399,003.0213 Y 1,748,032.1523
 P.T. Station = 15+21.330 X 399,108.5185 Y 1,748,122.2531
 C.C. = 398,866.2183 Y 1,748,299.1446
 Back = N 62° 52' 12.225" E
 Ahead = N 36° 07' 52.892" E
 Chord Bear = N 49° 30' 02.558" E

Course from PT 52-RAMP3-2 to 337 N 36° 07' 53.538" E Dist 291.2492

Point 337 X 399,280.2510 Y 1,748,357.4850 Sta 18+12.579

Ending chain 52-RAMP3 description

Beginning chain 52-RAMP4 description

Point 290 X 399,231.0482 Y 1,748,391.8491 Sta 0+00.000
 Course from 290 to PC 52-RAMP4_1 S 36° 07' 53.703" W Dist 249.1517

Curve Data

Curve 52-RAMP4_1
 P.I. Station = 15+63.323 X 398,309.2541 Y 1,747,129.2035
 Delta = 158° 27' 29.485" (RT)
 Degree = 22° 55' 05.922"
 Tangent = 1,314.1712
 Length = 691.4043
 Radius = 250.0000
 External = 1,087.7391
 Long Chord = 491.1911
 Mid. Ord. = 203.2794
 P.C. Station = 2+49.152 X 399,084.1380 Y 1,748,190.6180
 P.T. Station = 9+40.556 X 398,640.2820 Y 1,748,401.0000
 C.C. = 398,882.2209 Y 1,748,338.0272
 Back = S 36° 07' 52.505" W
 Ahead = N 14° 35' 21.989" E
 Chord Bear = N 64° 38' 22.753" W

Course from PT 52-RAMP4_1 to PC 52-RAMP4_2 N 45° 00' 00.012" E Dist 0.0014

Curve Data

Curve 52-RAMP4_2
 P.I. Station = 11+85.207 X 398,701.7633 Y 1,748,637.7999
 Delta = 15° 01' 06.147" (RT)
 Degree = 3° 05' 13.406"
 Tangent = 244.6498
 Length = 486.4949
 Radius = 1,856.0000
 External = 16.0549
 Long Chord = 485.1033
 Mid. Ord. = 15.9172
 P.C. Station = 9+40.557 X 398,640.2830 Y 1,748,401.0010
 P.T. Station = 14+27.052 X 398,822.5050 Y 1,748,850.5790
 C.C. = 400,436.7229 Y 1,747,934.5897
 Back = N 14° 33' 15.859" E
 Ahead = N 29° 34' 22.005" E
 Chord Bear = N 22° 03' 48.932" E

Ending chain 52-RAMP4 description