

RAMP E_U.S. 20_C

Curve Data

Curve E US20 C-1
P.I. Station 0+88.39 N 1,924,866.6451 E 1,065,422.3108
Delta = 0° 15' 24.54" (LT)
Degree = 0° 08' 43.00"
Tangent = 88.3878
Length = 176.7754
Radius = 39,438.6052
External = 0.0990
Long Chord = 176.7753
Mid. Ord. = 0.0990
P.C. Station 0+00.00 N 1,924,938.2634 E 1,065,474.1108
P.T. Station 1+76.78 N 1,924,794.7954 E 1,065,370.8325
C.C. N 1,901,825.1705 E 1,097,430.1511
Back = S 35° 52' 38.56" W
Ahead = S 35° 37' 14.02" W
Chord Bear = S 35° 44' 56.29" W

Curve Data

Curve E US20 C-2
P.I. Station 2+29.50 N 1,924,751.9379 E 1,065,340.1263
Delta = 14° 04' 39.02" (LT)
Degree = 13° 25' 05.58"
Tangent = 52.7222
Length = 104.9134
Radius = 427.0000
External = 3.2425
Long Chord = 104.6497
Mid. Ord. = 3.2181
P.C. Station 1+76.78 N 1,924,794.7954 E 1,065,370.8325
P.T. Station 2+81.69 N 1,924,702.8988 E 1,065,320.7667
C.C. N 1,924,546.1043 E 1,065,717.9373
Back = S 35° 37' 14.02" W
Ahead = S 21° 32' 35.00" W
Chord Bear = S 28° 34' 54.51" W

Curve Data

Curve E US20 C-3
P.I. Station 3+37.51 N 1,924,648.9211 E 1,065,306.5225
Delta = 53° 39' 40.63" (LT)
Degree = 51° 54' 46.33"
Tangent = 55.8256
Length = 103.3680
Radius = 110.3691
External = 13.3153
Long Chord = 99.6313
Mid. Ord. = 11.8818
P.C. Station 2+81.69 N 1,924,702.8988 E 1,065,320.7667
P.T. Station 3+85.06 N 1,924,605.4620 E 1,065,341.5625
C.C. N 1,924,674.7375 E 1,065,427.4826
Back = S 14° 46' 58.12" W
Ahead = S 38° 52' 42.51" E
Chord Bear = S 12° 02' 52.19" E

Curve Data

Curve E US20 C-4
P.I. Station 4+92.60 N 1,924,522.5828 E 1,065,410.0952
Delta = 90° 23' 18.97" (LT)
Degree = 53° 38' 21.12"
Tangent = 107.5439
Length = 168.5122
Radius = 106.8170
External = 44.7599
Long Chord = 151.5735
Mid. Ord. = 31.5425
P.C. Station 3+85.06 N 1,924,605.4620 E 1,065,341.5625
P.T. Station 5+53.57 N 1,924,591.6760 E 1,065,492.5077
C.C. N 1,924,673.5315 E 1,065,423.8816
Back = S 39° 35' 14.20" E
Ahead = N 50° 01' 26.82" E
Chord Bear = S 84° 46' 53.69" E

Course from PT E US20 C-4 to 1046 N 47° 22' 41.44" E Dist 194.1697

Point 1046 N 1,924,723.1592 E 1,065,635.3854 Sta 7+47.74

Course from 1046 to 1047 N 36 33/64 21' 55.55" E Dist 56.7518

Point 1047 N 1,924,768.8587 E 1,065,669.0355 Sta 8+04.49

RAMP E_U.S. 20_D

Point 1050 N 1,925,770.2815 E 1,066,354.6130 Sta 0+00.00

Course from 1050 to 1051 S 45° 32' 43.98" W Dist 127.9725

Point 1051 N 1,925,680.6570 E 1,066,263.2653 Sta 1+27.97

Course from 1051 to PC E US20 D-1 S 44° 32' 02.49" W Dist 149.8733

Curve Data

Curve E US20 D-1
P.I. Station 3+69.69 N 1,925,508.3540 E 1,066,093.7424
Delta = 8° 32' 00.99" (LT)
Degree = 4° 39' 15.87"
Tangent = 91.8421
Length = 183.3446
Radius = 1,231.0000
External = 3.4213
Long Chord = 183.1752
Mid. Ord. = 3.4118
P.C. Station 2+77.85 N 1,925,573.8222 E 1,066,158.1543
P.T. Station 4+61.19 N 1,925,434.0525 E 1,066,039.7584
C.C. N 1,924,710.4816 E 1,067,035.6531
Back = S 44° 32' 02.49" W
Ahead = S 36° 00' 01.50" W
Chord Bear = S 40° 16' 02.00" W

Curve Data

Curve E US20 D-2
P.I. Station 5+11.64 N 1,925,393.2380 E 1,066,010.1045
Delta = 13° 21' 09.03" (LT)
Degree = 13° 17' 37.26"
Tangent = 50.4498
Length = 100.4425
Radius = 431.0000
External = 2.9426
Long Chord = 100.2154
Mid. Ord. = 2.9226
P.C. Station 4+61.19 N 1,925,434.0525 E 1,066,039.7584
P.T. Station 5+61.63 N 1,925,346.6785 E 1,065,990.6779
C.C. N 1,925,180.7146 E 1,066,388.4429
Back = S 36° 00' 01.50" W
Ahead = S 22° 38' 52.47" W
Chord Bear = S 29° 19' 26.99" W

Course from PT E US20 D-2 to 1052 S 22° 38' 52.47" W Dist 141.0952

Point 1052 N 1,925,216.4634 E 1,065,936.3468 Sta 7+02.73

Course from 1052 to PC E US20 D-3 S 20° 08' 05.32" W Dist 229.6951

Curve Data

Curve E US20 D-3
P.I. Station 9+79.50 N 1,924,958.2971 E 1,065,837.0410
Delta = 58° 29' 19.29" (LT)
Degree = 68° 08' 17.14"
Tangent = 47.0805
Length = 85.8385
Radius = 84.0877
External = 12.2830
Long Chord = 82.1596
Mid. Ord. = 10.7175
P.C. Station 9+32.42 N 1,925,000.8060 E 1,065,857.2788
P.T. Station 10+18.26 N 1,924,918.8257 E 1,065,862.7038
C.C. N 1,924,964.6605 E 1,065,933.2014
Back = S 25° 27' 30.13" W
Ahead = S 33° 01' 49.16" E
Chord Bear = S 3° 47' 09.52" E

RAMP E_U.S. 20_E

Point 1060 N 1,922,901.5068 E 1,064,807.9074 Sta 0+00.00

Course from 1060 to PC E US20 E-1 N 2° 34' 09.08" E Dist 326.0832

Curve Data

Curve E US20 E-1
P.I. Station 6+05.10 N 1,923,506.2257 E 1,064,828.1238
Delta = 15° 14' 15.28" (RT)
Degree = 2° 44' 48.35"
Tangent = 279.0197
Length = 554.7465
Radius = 2,085.9374
External = 18.5784
Long Chord = 553.1131
Mid. Ord. = 18.4144
P.C. Station 3+26.08 N 1,923,227.2622 E 1,064,822.5243
P.T. Station 8+80.83 N 1,923,773.9104 E 1,064,906.8443
C.C. N 1,923,185.4003 E 1,066,908.0416
Back = N 1° 08' 59.72" E
Ahead = N 16° 23' 15.00" E
Chord Bear = N 8° 46' 07.36" E

Curve Data

Curve E US20 E-2
P.I. Station 9+84.86 N 1,923,874.9659 E 1,064,931.5373
Delta = 14° 41' 53.37" (RT)
Degree = 7° 06' 12.50"
Tangent = 104.0287
Length = 206.9151
Radius = 806.5885
External = 6.6808
Long Chord = 206.3482
Mid. Ord. = 6.6259
P.C. Station 8+80.83 N 1,923,773.9104 E 1,064,906.8443
P.T. Station 10+87.74 N 1,923,966.4493 E 1,064,981.0627
C.C. N 1,923,582.4528 E 1,065,690.3805
Back = N 13° 43' 52.31" E
Ahead = N 28° 25' 45.67" E
Chord Bear = N 21° 04' 48.99" E

Curve Data

Curve E US20 E-3
P.I. Station 12+51.58 N 1,924,112.8214 E 1,065,054.6572
Delta = 21° 49' 27.86" (RT)
Degree = 6° 44' 32.34"
Tangent = 163.8321
Length = 323.6929
Radius = 849.7935
External = 15.6486
Long Chord = 321.7396
Mid. Ord. = 15.3656
P.C. Station 10+87.74 N 1,923,966.4493 E 1,064,981.0627
P.T. Station 14+11.44 N 1,924,221.3430 E 1,065,177.3928
C.C. N 1,923,584.7162 E 1,065,740.2918
Back = N 26° 41' 34.10" E
Ahead = N 48° 31' 01.96" E
Chord Bear = N 37° 36' 18.03" E

Course from PT E US20 E-3 to 1061 N 47° 37' 32.27" E Dist 213.1913

Point 1061 N 1,924,365.0280 E 1,065,334.8894 Sta 16+24.63

Course from 1061 to 1062 N 47° 43' 34.72" E Dist 377.5309

Point 1062 N 1,924,618.9828 E 1,065,614.2396 Sta 20+02.16

Course from 1062 to 1063 N 47° 26' 40.91" E Dist 262.1949

Point 1063 N 1,924,796.3056 E 1,065,807.3789 Sta 22+64.35

Table with 3 columns: FILE NAME, DESIGNED, REVISIONS. Includes details like '...\\exp\in_ABC.C1.355_R_Data.excalign_36.dgn' and 'USER NAME = jmajowski'.



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ALIGNMENT PLAN I-355 CURVE DATA
SCALE: N.T.S. SHEET NO. 28 OF 44 SHEETS STA. TO STA.

Table with 5 columns: F.A.I. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO. Includes values like '2241, I-1, 2&3RS-7' and 'CONTRACT NO. 60C51'.