

RAMP E_20-355_A

Point 1070 N 1,926,578.1598 E 1,069,967.1679 Sta 0+00.00

Course from 1070 to PC E 20-355 A-1 N 56° 45' 29.60" W Dist 642.8618

Curve Data

Curve E 20-355 A-1
 P.I. Station 8+13.94 N 1,927,024.3423 E 1,069,286.4134
 Delta = 11°34' 28.53" (RT)
 Degree = 3° 23' 39.48"
 Tangent = 171.0826
 Length = 341.0008
 Radius = 1,688.0000
 External = 8.6477
 Long Chord = 340.4213
 Mid. Ord. = 8.6036
 P.C. Station 6+42.86 N 1,926,930.5594 E 1,069,429.5009
 P.T. Station 9+83.86 N 1,927,144.9277 E 1,069,165.0526
 C.C. N 1,928,342.3432 E 1,070,354.8173
 Back = N 56° 45' 29.60" W
 Ahead = N 45° 11' 01.07" W
 Chord Bear = N 50° 58' 15.33" W

Course from PT E 20-355 A-1 to PC E 20-355 A-2 N 45° 11' 01.07" W Dist 257.3859

Curve Data

Curve E 20-355 A-2
 P.I. Station 17+04.50 N 1,927,652.8630 E 1,068,653.8510
 Delta = 43° 08' 05.27" (LT)
 Degree = 4° 53' 19.39"
 Tangent = 463.2564
 Length = 882.3334
 Radius = 1,172.0000
 External = 88.2343
 Long Chord = 861.6437
 Mid. Ord. = 82.0566
 P.C. Station 12+41.25 N 1,927,326.3428 E 1,068,982.4709
 P.T. Station 21+23.58 N 1,927,666.4571 E 1,068,190.7941
 C.C. N 1,926,494.9619 E 1,068,156.4020
 Back = N 45° 11' 01.07" W
 Ahead = N 88° 19' 06.34" W
 Chord Bear = N 66° 45' 03.71" W

Curve Data

Curve E 20-355 A-3
 P.I. Station 24+62.78 N 1,927,676.4107 E 1,067,851.7456
 Delta = 33° 55' 36.02" (LT)
 Degree = 5° 09' 08.99"
 Tangent = 339.1946
 Length = 658.4509
 Radius = 1,112.0000
 External = 50.5820
 Long Chord = 648.8736
 Mid. Ord. = 48.3813
 P.C. Station 21+23.58 N 1,927,666.4571 E 1,068,190.7941
 P.T. Station 27+82.03 N 1,927,495.4361 E 1,067,564.8638
 C.C. N 1,926,554.9360 E 1,068,158.1627
 Back = N 88° 19' 06.34" W
 Ahead = S 57° 45' 17.64" W
 Chord Bear = S 74° 43' 05.65" W

Curve Data

Curve E 20-355 A-4
 P.I. Station 28+95.26 N 1,927,436.5414 E 1,067,468.1619
 Delta = 10° 40' 01.81" (LT)
 Degree = 4° 43' 27.37"
 Tangent = 113.2248
 Length = 225.7951
 Radius = 1,212.7963
 External = 5.2738
 Long Chord = 225.4691
 Mid. Ord. = 5.2509
 P.C. Station 27+82.03 N 1,927,495.4361 E 1,067,564.8638
 P.T. Station 30+07.83 N 1,927,360.7645 E 1,067,384.0327
 C.C. N 1,926,459.6229 E 1,068,195.7091
 Back = S 58° 39' 25.82" W
 Ahead = S 47° 59' 24.01" W
 Chord Bear = S 53° 19' 24.91" W

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Curve Data

Curve E 20-355 A-5
 P.I. Station 31+03.06 N 1,927,294.0949 E 1,067,316.0259
 Delta = 5°26' 39.52" (LT)
 Degree = 2° 51' 37.79"
 Tangent = 95.2353
 Length = 190.3274
 Radius = 2,003.0000
 External = 2.2628
 Long Chord = 190.2558
 Mid. Ord. = 2.2602
 P.C. Station 30+07.83 N 1,927,360.7645 E 1,067,384.0327
 P.T. Station 31+98.16 N 1,927,221.2736 E 1,067,254.6514
 C.C. N 1,925,930.4378 E 1,068,786.2362
 Back = S 45° 34' 07.87" W
 Ahead = S 40° 07' 28.35" W
 Chord Bear = S 42° 50' 48.11" W

Curve Data

Curve E 20-355 A-6
 P.I. Station 32+56.00 N 1,927,177.0404 E 1,067,217.3712
 Delta = 6° 10' 18.94" (LT)
 Degree = 5° 20' 23.19"
 Tangent = 57.8480
 Length = 115.5841
 Radius = 1,073.0000
 External = 1.5582
 Long Chord = 115.5282
 Mid. Ord. = 1.5560
 P.C. Station 31+98.16 N 1,927,221.2736 E 1,067,254.6514
 P.T. Station 33+13.74 N 1,927,129.0555 E 1,067,185.0627
 C.C. N 1,926,529.7774 E 1,068,075.1159
 Back = S 40° 07' 28.35" W
 Ahead = S 33° 57' 09.41" W
 Chord Bear = S 37° 02' 18.88" W

Curve Data

Curve E 20-355 A-7
 P.I. Station 33+77.01 N 1,927,076.5766 E 1,067,149.7283
 Delta = 4° 31' 23.42" (LT)
 Degree = 3° 34' 35.76"
 Tangent = 63.2657
 Length = 126.4657
 Radius = 1,601.9617
 External = 1.2488
 Long Chord = 126.4328
 Mid. Ord. = 1.2478
 P.C. Station 33+13.74 N 1,927,129.0555 E 1,067,185.0627
 P.T. Station 34+40.21 N 1,927,021.4746 E 1,067,118.6426
 C.C. N 1,926,234.3486 E 1,068,513.8895
 Back = S 33° 57' 09.41" W
 Ahead = S 29° 25' 45.99" W
 Chord Bear = S 31° 41' 27.70" W

FILE NAME =	DESIGNED - AJP	REVISED -
...\\exp\h_ABC_C1-355_R_Data_exal\ign_37.dgn	DRAWN - TMB	REVISED -
USER NAME = jmajewski	CHECKED - JMM	REVISED -
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -

benesch

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT PLAN
I-355 CURVE DATA**

SCALE: N.T.S. SHEET NO. 29 OF 44 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	22(1, 1-1, 2&3)RS-7	DUPAGE	546	54
*290.355	CONTRACT NO. 60C51			
FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT				