

RAMP E_STCHARLES_G

Point 810 N 1,903,594.7734 E 1,096,587.0707 Sta 0+00.00

Course from 810 to PC E STCHRLS G-1 S 2° 03' 15.10" W Dist 31.9749

Curve Data

Curve E STCHRLS G-1

P.I. Station 1+27.72 N 1,903,467.1342 E 1,096,582.4926
 Delta = 24° 08' 27.94" (RT)
 Degree = 12° 47' 47.99"
 Tangent = 95.7464
 Length = 188.6515
 Radius = 447.7400
 External = 10.1230
 Long Chord = 187.2591
 Mid. Ord. = 9.8991
 P.C. Station 0+31.97 N 1,903,562.8191 E 1,096,585.9246
 P.T. Station 2+20.63 N 1,903,381.2214 E 1,096,540.2271
 C.C. N 1,903,578.8682 E 1,096,138.4723
 Back = S 2° 03' 15.10" W
 Ahead = S 26° 11' 43.04" W
 Chord Bear = S 14° 07' 29.07" W

Course from PT E STCHRLS G-1 to PC E STCHRLS G-2 S 26° 11' 43.04" W Dist 11.9701

Curve Data

Curve E STCHRLS G-2

P.I. Station 3+30.74 N 1,903,282.4162 E 1,096,491.6190
 Delta = 25° 59' 30.33" (RT)
 Degree = 13° 28' 24.36"
 Tangent = 98.1445
 Length = 192.9112
 Radius = 425.2500
 External = 11.1786
 Long Chord = 191.2613
 Mid. Ord. = 10.8923
 P.C. Station 2+32.60 N 1,903,370.4807 E 1,096,534.9431
 P.T. Station 4+25.51 N 1,903,222.2452 E 1,096,414.0832
 C.C. N 1,903,558.1997 E 1,096,153.3685
 Back = S 26° 11' 43.04" W
 Ahead = S 52° 11' 13.37" W
 Chord Bear = S 39° 11' 28.21" W

Course from PT E STCHRLS G-2 to PC E STCHRLS G-3 S 52° 11' 13.37" W Dist 191.3890

Curve Data

Curve E STCHRLS G-3

P.I. Station 6+84.25 N 1,903,063.6133 E 1,096,209.6715
 Delta = 26° 41' 02.40" (LT)
 Degree = 20° 10' 28.45"
 Tangent = 67.3546
 Length = 132.2655
 Radius = 284.0000
 External = 7.8778
 Long Chord = 131.0734
 Mid. Ord. = 7.6652
 P.C. Station 6+16.90 N 1,903,104.9074 E 1,096,262.8828
 P.T. Station 7+49.16 N 1,903,002.8215 E 1,096,180.6714
 C.C. N 1,902,880.5427 E 1,096,436.9991
 Back = S 52° 11' 13.37" W
 Ahead = S 25° 30' 10.97" W
 Chord Bear = S 38° 50' 42.17" W

Course from PT E STCHRLS G-3 to PC E STCHRLS G-4 S 25° 30' 10.97" W Dist 169.0662

RAMP E_STCHARLES_G

Curve Data

Curve E STCHRLS G-4

P.I. Station 10+27.29 N 1,902,751.7972 E 1,096,060.9225
 Delta = 63° 34' 07.07" (RT)
 Degree = 32° 33' 15.91"
 Tangent = 109.0579
 Length = 195.2688
 Radius = 176.0000
 External = 31.0498
 Long Chord = 185.4065
 Mid. Ord. = 26.3935
 P.C. Station 9+18.23 N 1,902,850.2288 E 1,096,107.8784
 P.T. Station 11+13.50 N 1,902,750.0303 E 1,095,951.8789
 C.C. N 1,902,926.0072 E 1,095,949.0274
 Back = S 25° 30' 10.97" W
 Ahead = S 89° 04' 18.04" W
 Chord Bear = S 57° 17' 14.50" W

Course from PT E STCHRLS G-4 to 811 S 89° 04' 18.04" W Dist 123.2782

Point 811 N 1,902,748.0330 E 1,095,828.6169 Sta 12+36.78

FILE NAME =	DESIGNED - AJP	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN I-290 CURVE DATA		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\expln_ABC_C4_290_R_Data_exalign_84.dgn	DRAWN - TMB	REVISED -			290	2009-0998R	COOK/DUPAGE	309	36		
USER NAME = colank	CHECKED - JMM	REVISED -			CONTRACT NO. 60157						
PLOT DATE = 11/13/2009	DATE - 10/16/09	REVISED -			SCALE: N.T.S.	SHEET NO. 22 OF 26 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		