## RAMP E\_STCHARLES\_A

DAAAD	<b>C</b>	ст	сu	
RAMP	E .	31	υп	АП

KAMP E_SICHARLES_A			KAMP E_SICHARLES_B
Curve Data			curve Data
Curve E STCHRLS A-1 P.I. Station 0+50.68 N 1,903,504,4155 E Delta = 13 ° 36' 09,36'' (LT) Degree = 13° 28' 55,96'' Tangent = 50,6848 Length = 100,8930 Radius = 424,9732 External = 3,0118 Long Chord = 100.6562 Mid. Ord. = 2,9906 P.C. Station 0+00.00 N 1,903,555,0774 E P.T. Station 1+00.89 N 1,903,455,5329 E C.C. N 1,903,455,5329 E C.C. N 1,903,567,8479 E	1,096,719.2568 1,096,717.7337 1,096,732.6522 1,097,142,5150		Curve E STCHRLS B-1 P.I. Station 0+65.86 N 1,902,865.3633 E 1,096,708.8790 Delta = 20° 40' 48.20" (RT) Degree = 15° 52' 21.89" Tangent = 65.8598 Length = 130.2865 Radius = 360.9695 External = 5.9590 Long Chord = 129.5805 Mid. Ord. = 5.8622 P.C. Station 0+00.00 N 1,902,799.5610 E 1,096,711.6303 P.T. Station 1+30.29 N 1,902,927.8974 E 1,096,729.5430 C.C. N 1,902,814.6405 E 1,097,072.2847
Ahead = S 15° 19' 28.60" E Chord Bear = S 8° 31' 23.92" E			Back = N 2°23'39.22" W Ahead = N 18°17'08.98" E Chord Bear = N 7°56'44.88" E
Curve Data			Curve Data
Curve E STCHRLS A-2 P.I. Station 2+50.01 N 1,903,310.6878 E Delta = 38° 37' 59.22'' (LT) Degree = 13° 28' 04.16'' Tangent = 149.1205 Length = 286.8550 Radius = 425.4272 External = 25.3779 Long Chord = 281.4517	1,096,768.1039		Curve E STCHRLS B-2   P.I. Station 1+93.20 N 1,902,987.9259 E 1,096,748.3903   Delta = 31° 58' 07.84" (RT)   Degree = 26° 05' 08.02"   Tangent = 62.9177   Length = 122.5538   Radius = 219.6456   External = 8.8338   Long Chord = 120.9702
Mid. Ord. = 23.9493 P.C. Station 1+00.89 N 1,903,455.5329 E P.T. Station 3+87.75 N 1,903,219.6742 E C.C. N 1,903,556.6734 E Back = S 13° 45' 11.20" E Ahead = S 52° 23' 10.42" E Chord Bear = S 33° 04' 10.81" E	1,096,732.6522 1,096,886.2286 1,097,145.8820		Mid. Ord. = 8.4922   P.C. Station 1+30.29 N 1,902,927.8974 E 1,096,729.5430   P.T. Station 2+52.84 N 1,903,028.8715 E 1,096,796.1617   C.C. N 1,902,862.1018 E 1,096,939.1024   Back = N 17° 25' 50.87" E 1,092,862.1018 E 1,096,939.1024   Chord Bear = N 33° 24' 54.79" E 1,092,862.1018 E 1,096,939.1024
Course from PT E STCHRLS A-2 to PC E STCHRLS A-3 S 52° 37'	31.45" E Dist 194.0972		Curve Data
Curve Data Curve E STCHRLS A-3 P.I. Station 6+48.37 N 1,903,061.4684 E Delta = 26° 22′ 05.22′′ (RT) Degree = 20° 10′ 28.45′′ Tangent = 66.5282 Length = 130.6998 Radius = 284.0000	1,097,093.3435		Curve E STCHRLS B-3 P.I. Station 22+76.63 N 1,904,222,9660 E 1,098,430.1327 Delta = 170° 39′ 42.81″ (RT) Degree = 34° 39′ 53.15″ Tangent = 2,023.7894 Length = 492.3209 Radius = 165.2854 External = 1,865.2423 Long Chord = 329.4737
External = 7.6882 Long Chord = 129.5494 Mid. Ord. = 7.4856 P.C. Station 5+81.85 N 1,903,101.8526 E P.T. Station 7+12.54 N 1,903,001.8048 E C.C. N 1,903,001.8048 E C.C. N 1,903,001.8048 E Back = S 52° 37' 31.45″ E Ahead = S 26° 15′ 26.24″ E Chord Bear = S 39° 26′ 28.84″ E	1,097,040.4746 1,097,122.7758 1,096,868.0799		Mid. Ord. = 151.8311   P.C. Station 2+52.84 N 1,903,028.8715 E 1,096,796.1617   P.T. Station 7+45.16 N 1,902,779.5672 E 1,097,011.5690   C.C. N 1,902,895.4230 E 1,096,893.6848   Back = N 53° 50' 27.34" E   Ahead = S 44° 30' 10.15" W   Chord Bear = S 40° 49' 41.25" E
Course from PT E STCHRLS A-3 to PC E STCHRLS A-4 S 26° 15' Curve Data	26.24" E Dist 211.8152		Curve E STCHRLS B-4 P.I. Station 8+18.50 N 1,902,727.2643 E 1,096,960.1660 Delta = 44° 19' 57.74'' (RT) Degree = 31° 49' 50.66''
Curve E STCHRLS A-4 P.I. Station 10+44.52 N 1,902,704.0825 E Delta = 61° 59′ 44.17″ (LT) Degree = 28° 38′ 52.40″ Tangent = 120.1617 Length = 216.4055 Radius = 200.0000 External = 33.3213 Long Chord = 206.0021 Mid. Ord. = 28.5626 P.C. Station 9+24.36 N 1,902,811.8454 E	1,097,269.6432		Tangent = 73.3339 Length = 139.2764 Radius = 180.0014 External = 14.3652 Long Chord = 135.8280 Mid. Ord. = 13.3035 P.C. Station 7445.16 N 1,902,779.5672 E 1,097,011.5690 P.T. Station 8+84.44 N 1,902,725.7739 E 1,096,886.8472 C.C. N 1,902,905.7382 E 1,096,886.8472 Back = \$ 44° 30′ 10.15″ W
P.C. Station 9+24.36 N 1,902,811.8454 E P.T. Station 11+40.77 N 1,902,700.4190 E C.C. N 1,902,900.3260 E Back = S 26° 15′ 26.24″ E Ahead = S 88° 15′ 10.41″ E Chord Bear = S 57° 15′ 18.32″ E	1,097,216.4834 1,097,389.7491 1,097,395.8467		Ahead = S 88° 50' 07.89" W Chord Bear = S 66° 40' 09.02" W Course from PT E STCHRLS B-4 to 761 S 88° 50' 07.89" W Dist 100.8826 Point 761 N 1,902,723.7237 E 1,096,785.9854 Sta 9+85.32
FILE NAME =   DESIGNED -   AJP   REVISED -    \replin_ABC_C4_2%.R_Data_exalign_6dgm   DRAWN -   TMB   REVISED -     USER NAME = tblank   CHECKED -   JMM   REVISED -     PLOT DATE = 11/13/2809   DATE -   10/16/09   REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT PLAN   F.A.I. RTE.   SECTION   COUNTY   TOTAL SHEETS   SHEET NO.     I-290   CURVE   DATA   230   2009-099BR   COOK/DUPAGE   309   33     SCALE:   N.T.S.   SHEET NO. 19 OF 26 SHEETS   STA.   TO STA.   FED. ROAD DIST. NO.   ILLINOIS FED. AID PROJECT

## ARLES\_B