| RAMP E_STCHARLES_C | RAMP E_STCHARLES_C | RAMP E_STCHARLES_D | | |
|---|--|--|--|--|
| | Curve Data | Curve Data | | |
| int 770 N 1,901,782,5102 E 1,096,726.9750 Sta 0+00.00 | Curve E STCHRLS C-4 | Curve E STCHRLS D-1 | | |
| curve from 770 to PC E STCHRLS C-1 N 1° 27' 44.45" E Dist 18.3533 Curve Data urve E STCHRLS C-1 I. Station 0+47.76 N 1,901,830.2281 E 1,096,728.8425 sita = 6 ° 24' 16.47" (RT) egree = 10° 54' 07.36" ungent = 29,4039 ongth = 58.7466 viternal = 0.8219 | P.I. Station 10+32.00 N 1,902,624,1053 E 1,097,267,7033 Delta = 65° 01' 18.54'' (RT) Degree = 28° 38' 52.40'' Tangent = 127,4676 Length = 226.9690 Radius = 200,0000 External = 37,1666 Long Chord = 214,9841 Mid. Ord. = 31.3422 P.C. Station 9+04.53 N 1,902,510.2545 E 1,097,210.3798 P.T. Station 11+31.50 N 1,902,620.2195 E 1,097,395,1116 C.C. N 1,902,420,3125 E 1,097,389,0147 | P.I. Station 1+22.07 N 1,902,409.0970 E 1,096,726.2207 Delta = 44° 01' 13.35" (LT) Degree = 18° 58' 26.57" Tangent = 122.0659 Length = 232.0031 Radius = 301.9692 External = 226.3389 Mid. Ord. = 226.3389 Mid. Ord. = 22.0083 P.C. Station 0+00.00 N 1,902,531.0369 E 1,096,720.6755 P.T. Station 2+32.00 N 1,902,525.2644 E 1,096,814.9460 C.C. N 1,902,544.7548 E 1,097,022.3329 | | |
| ng Chord = 58.7160 d. Ord. = 0.8206 C. Station 0+18.35 N 1,901,800.8575 E 1,096,727,4434 | Back = N 26° 43′ 30.34′′ E Ahead = S 88° 15′ 11.11′′ E Chord Bear = N 59° 14′ 09.61′′ E | Back = S 2° 36′ 13.45″ E Ahead = S 46° 37′ 26.80″ E Chord Bear = S 24° 36′ 50.12″ E | | |
| T. Station 0+77.10 N 1,901,859.2593 E 1,096,733.5091 C. N 1,901,775,8507 E 1,097,252.3989 | Course from PT E STCHRLS C-4 to 771 S 88° 15′ 11.11′′ E Dist 78.2074 | Curve Data | | |
| uck = N 2° 43′ 38.22″ E nead = N 9° 07′ 54.69″ E nord Bear = N 5° 55′ 46.46″ E | Point 771 N 1,902,617.8354 E 1,097,473.2826 Sta 12+09.70 | ** Curve E STCHRLS D-2 P.I. Station 4+12.72 N 1,902,211.2513 E 1,096,955.1649 Delta = .95° 48′ 20.68″ (LT) | | |
| Curve Data | | Degree = 35° 05′ 27.30″ Tangent = 180.7216 Length = 273.0215 Radius = 163.2781 External = 80.2790 Long Chord = 242.3078 Mid. Ord. = 53.8182 | | |
| sngth = 329.9079 vdlus = 440.0000 iternal = 32.8407 ong Chord = 322.2341 d. Ord. = 30.5598 C. Station 0+77.10 N 1,902,136.5860 E 1,096,733.5091 T. Station 4+07.01 N | | P.C. Station 2+32.00 N 1,902,325.2644 E 1,096,814.9460 P.T. Station 5+05.02 N 1,902,362.2841 E 1,097,054.4091 C.C. N 1,902,451.9491 E 1,096,917.9543 Back = S 50° 53′ 06.65″ E Ahead = N 33° 18′ 32.67″ E Chord Bear = N 81° 12′ 43.01″ E | | |
| C. N 1,901,789,4282 E 1,097,167.9324 ick = N 9° 07' 54.69" E iead = N 52° 05' 30.11" E iord Bear = N 30° 36' 42.40" E iurse from PT E STCHRLS C-2 to PC E STCHRLS C-3 N 52° 05' 30.11" E Dist 200.4486 | | Curve Data •• Curve E STCHRLS D-3 P.I. Station 6+85.75 N 1,902,513.3169 E 1,097,153.6534 Delta = 95° 48′ 20.68″ (LT) Degree = 35° 05′ 27.30″ | | |
| | | Tangen† = 180.7216 | | |
| Curve Data | | Length = 273.0215 Radius = 163.2781 External = 80.2790 Long Chord = 242.3078 Mid. Ord. = 53.8182 P.C. Station 5+05.02 N 1,902,362.2841 E 1,097,054.4091 P.T. Station 7+78.05 N 1,902,596.7742 E 1,096,993.3562 C.C. N 1,902,451.9491 E 1,096,917.9543 Back = N 33° 18' 32.67" E Ahead = N 62° 29' 48.01" W Chord Bear = N 14° 35' 37.67" W | | |
| T. Station 6+07.46 N 1,902,259.7416 E 1,097,055.7496 T. Station 7+24.34 N 1,902,349.3128 E 1,097,129.3462 | | Curve Data | | |
| N 1,902,493,5128 L 1,091,121,342 N 1,902,468.0363 E 1,096,893.5481 ick = N 52°05′30.11″ E head = N 26°43′30.34″ E hord Bear = N 39°24′30.23″ E burse from PT E STCHRLS C-3 to PC E STCHRLS C-4 N 26°43′30.34″ E Dist 180.1907 | | Curve E STCHRLS D-4 P.I. Station 8+61.75 N 1,902,634.4953 E 1,096,918.6296 Delta = 24° 51′ 42.78″ (LT) Degree = 15° 05′ 16.58″ Tangent = 83.7075 Length = 164.7799 Radius = 379.7456 External = 9.1164 Long Chord = 163.4901 | | |
| | | Mid. Ord. = 8.9027 P.C. Station 7+78.05 N 1,902,596.7742 E 1,096,993.3562 P.T. Station 9+42.83 N 1,902,637.3032 E 1,096,834.9692 C.C. N 1,902,257.7713 E 1,096,822.2311 Back = N 63° 12′ 57.04″ W Ahead = N 88° 04′ 39.82″ W | | |
| | | Chord Bear = N 75° 38′ 48.43′′ W | | |
| DESIGNED - AJP REVISED - C.C4.290.R_Data_exelsgn_62.dgn DRAWN - TMB REVISED - = tblank CHECKED - JMM REVISED - benn | esch state of illinois department of transportation | ALIGNMENT PLAN I-290 CURVE DATA | | |

| FILE NAME = | DESIGNED - AJP | REVISED - | | | | ALIGNMENT PLAN |
|---|-----------------|-----------|---------|-------------------|------------------------------|--------------------------------|
| \expln_ABC_C4_290_R_Data_exalign_62.dgn | DRAWN - TMB | REVISED - | benesch | STATE OF ILLINOIS | | |
| USER NAME = tblank | CHECKED - JMM | REVISED - | | Oenesch | DEPARTMENT OF TRANSPORTATION | |
| PLOT DATE = 11/13/2009 | DATE - 10/16/09 | REVISED - | | | SCALE: N.T.S. | SHEET NO. 20 OF 26 SHEETS STA. |