

EXISTING HORIZONTAL & VERTICAL CONTROL

I-280

Chain D2_I280 contains:
A08403393 CUR 08403270 CUR 08403280 CUR 084031290

Beginning chain D2_I280 description

Point A08403393 N 1,744,639.0825 E 2,194,769.6648 Sta 346+73.48

Course from A08403393 to PC 08403270 89° 57' 51.16" Dist 3,641.9909'

Curve Data

Curve 08403270
P.I. Station 389+66.73 N 1,744,641.7643 E 2,199,062.9189
Delta = 13° 09' 56.24" (LT)
Degree = 1° 00' 54.88"
Tangent = 651.2641'
Length = 1,296.7919'
Radius = 5,643.5394'
External = 37.4536'
Long Chord = 1,293.9408'
Mid. Ord. = 37.2067'
P.C. Station 383+15.47 N 1,744,641.3575 E 2,198,411.6549
P.T. Station 396+12.26 N 1,744,790.4966 E 2,199,696.9721
C.C. N 1,750,284.8958 E 2,198,408.1297

Course from PT 08403270 to PC 08403280 76° 47' 54.92" Dist 934.8358'

Curve Data

Curve 08403280
P.I. Station 414+32.55 N 1,745,206.2049 E 2,201,469.1570
Delta = 13° 06' 43.13" (RT)
Degree = 0° 44' 37.17"
Tangent = 885.4533'
Length = 1,763.1712'
Radius = 7,704.5778'
External = 50.7137'
Long Chord = 1,759.3262'
Mid. Ord. = 50.3821'
P.C. Station 405+47.10 N 1,745,003.9896 E 2,200,607.1033
P.T. Station 423+10.27 N 1,745,207.5869 E 2,202,354.6092
C.C. N 1,737,503.0185 E 2,202,366.6351

Course from PT 08403280 to PC 084031290 89° 54' 38.05" Dist 3,955.7445'

Curve Data

Curve 084031290
P.I. Station 463+80.99 N 1,745,213.9408 E 2,206,425.3247
Delta = 2° 18' 16.21" (RT)
Degree = 1° 00' 08.29"
Tangent = 114.9760'
Length = 229.9211'
Radius = 5,716.4179'
External = 1.1562'
Long Chord = 229.9056'
Mid. Ord. = 1.1559'
P.C. Station 462+66.01 N 1,745,213.7614 E 2,206,310.3489
P.T. Station 464+95.93 N 1,745,209.4969 E 2,206,540.2149
C.C. N 1,739,497.3504 E 2,206,319.2715

Ending chain D2_I280 description

SURVEY WORK POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
141	1773298.4020	2247046.7890	587.4067	IL5	815+67.7152	82.591' RT	PIN
142	1773278.8491	2247333.4008	585.6801	IL5	818+54.6935	95.7096' RT	PIN

HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
72	1761016.6634	2203025.3243	672.2256	D2_I74	69+76.8978	14.3113' RT	SURVEY WORK POINT, PIN
73	1760727.9743	2203125.8754	677.9575	D2_I74	72+81.3982	8.3665' LT	SURVEY WORK POINT, NAIL
74	1759986.6066	2203323.1993	688.6332	D2_I74	80+49.5706	17.0826' RT	SURVEY WORK POINT, NAIL
75	1759657.6549	2203379.1789	684.0326	D2_I74	83+85.3387	9.8507' RT	SURVEY WORK POINT, NAIL
76	1755619.9127	2205020.9119	674.9838	D2_I74	128+14.2297	70.9592' RT	SURVEY WORK POINT, NAIL
77	1755399.4755	2205209.1896	673.5621	D2_I74	131+03.1264	63.0559' RT	SURVEY WORK POINT, NAIL
78	1752502.5235	2206909.7421	639.4034	D2_I74	165+12.2591	59.5929' LT	SURVEY WORK POINT, NAIL
79	1752783.4258	2206871.1087	645.0646	D2_I74	162+33.0496	60.7888' LT	SURVEY WORK POINT, NAIL
80	1747593.3140	2206486.9379	575.7112	D2_I74	214+29.4755	72.02' RT	SURVEY WORK POINT, NAIL
81	1747887.6248	2206486.6869	573.8002	D2_I74	211+35.6167	74.9725' RT	SURVEY WORK POINT, NAIL
86	1748494.0395	2206656.5781	570.5910	D2_I74	205+24.6985	78.2037' LT	SURVEY WORK POINT, NAIL
87	1748267.9047	2206646.4681	571.8978	D2_I74	207+51.8405	76.2645' LT	SURVEY WORK POINT, NAIL
94	1738625.7312	2252092.3274	693.1603	D2_I74	735+03.5067	245.8695' LT	SURVEY WORK POINT, PIN
95	1738665.3418	2251667.2863	688.2727	D2_I74	732+62.6156	19.1712' LT	SURVEY WORK POINT, PIN
96	1738666.5623	2251519.2530	686.1809	D2_I74	731+14.5948	16.8964' LT	SURVEY WORK POINT, PIN
97	1738677.6564	2249493.1255	679.5665	D2_I74	710+88.7701	19.8488' RT	SURVEY WORK POINT, PIN

SURVEY WORK POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
105	1745222.1662	2206682.6034	568.8095	D2_I74	239+54.1145	19.9159' LT	PIN
106	1745045.6448	2207623.4726	568.7718	D2_I74	249+11.5628	16.8994' RT	SURVEY WORK POINT, PIN
107	1744744.5911	2208403.8317	570.6077	D2_I74	257+53.4586	70.2753' RT	SURVEY WORK POINT, PIN
108	1744330.7671	2209304.3364	571.0319	D2_I74	267+48.8756	73.2518' RT	PIN
109	1743711.9856	2213128.1254	570.0998	D2_I74	306+48.3250	69.1217' RT	SURVEY WORK POINT, PIN
110	1743720.9067	2213701.5766	569.4904	D2_I74	312+21.8367	72.3134' RT	SURVEY WORK POINT, PIN
111	1744712.6790	2229592.7182	570.4958	D2_I74	472+98.9333	77.7025' LT	SURVEY WORK POINT, PIN
112	1744570.1277	2229170.7395	570.3405	D2_I74	468+51.0868	77.4241' LT	SURVEY WORK POINT, PIN
113	1743792.2754	2224243.1706	574.8419	D2_I74	418+30.6910	70.5954' LT	SURVEY WORK POINT, PIN
114	1745194.0964	2206382.5096	568.9821	D2_I74	238+12.8000	158.4554' RT	PIN
130	1739140.8110	2251693.9678	712.8771	D2_I74	732+78.0640	495.1378' LT	SURVEY WORK POINT, PIN
131	1738214.5017	2251902.9969	710.8265	D2_I74	738+65.2338	21.6333' RT	SURVEY WORK POINT, PIN
132	1736510.2364	2252088.5923	684.4258	D2_I74	755+84.5830	23.4266' RT	SURVEY WORK POINT, PIN
133	1735349.9023	2252093.0274	666.4154	D2_I74	767+45.8385	24.4189' RT	SURVEY WORK POINT, PIN
134	1733511.3938	2252092.9191	696.7714	D2_I74	785+84.3446	21.4557' RT	SURVEY WORK POINT, PIN

FILE NAME =	USER NAME = renkesw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING HORIZONTAL & VERTICAL CONTROL			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\renkesw\d0292974\02-shr-ATB.dgn	DRAWN -	REVISED -	*					D2 SAFETY 2012-2	**	151	28	
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 64H77									
PLOT DATE = Mon Apr 30 14:17:37 2012	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									
				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

* 74, 80, 88 & 280
** HENRY / ROCK ISLAND / WHITESIDE