CONTRACT NO. 64594

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129K	WINNEBAGO	585	59
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXISTING HORIZONTAL & VERTICAL CONTROL

EXISTING IL RTE 173
Chain D2_ILI73 contains:
D21250 CUR D2_260 CUR D2_270 CUR D2_280 D21043 CUR D2_350 D21060

Beginning chain D2_ILI73 description
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Point D21250 N 2,077,979.2446 E 2,602,322.3661 Sta 2+67.7000

Course from D21250 to PC D2260 106^ 27' 42.4748" Dist 451.2729'

Curve Data

Curve D2_260
P.I. Station 10+91.2740 N 2,077,745.8635 E 2,603,112.1809
Delta = 18^ 24' 34.9257" (LT)
Degree = 2^ 29' 38.0916"
Tangent = 372.3011'
Length = 738.1850'
Radius = 2,297.4237'
External = 29.9705'
Long Chord = 735.0137'
Mid. Ord. = 29.5846'
P.C. Station 7+18.9729 N 2,077,851.3647 E 2,602,755.1409
P.T. Station 14+57.1580 N 2,077,758.5183 E 2,603,484.2668
C.C. N 2,080,054.6145 E 2,603,406.1756

Course from PT D2260 to PC D2270 88^ 03' 07.5491" Dist 8,914.3593'

Curve Data

Curve D2_270
P.I. Station 112+77.6265 N 2,078,092.3237 E 2,613,299.0605
Delta = 34^ 56' 56.5504" (LT)
Degree = 1^ 59' 26.2683"
Tangent = 906.1092'
Length = 1,755.6774'
Radius = 2,878.2736'
External = 139.2573'
Long Chord = 1,728.5855'
Mid. Ord. = 132.8307'
P.C. Station 103+71.5173 N 2,078,061.5243 E 2,612,393.4750
P.T. Station 121+27.1947 N 2,078,636.3313 E 2,614,023.6911
C.C. N 2,080,938.1346 E 2,612,295.6402

Course from PT D2270 to PC D2280 53^ 06' 10.9987" Dist 984.6784'

Curve Data

Curve D2_280
P.I. Station 135+72.6268 N 2,079,504.1363 E 2,615,179.6273
Delta = 35^ 32' 38.4282" (RT)
Degree = 3^ 59' 08.9285"
Tangent = 460.7538'
Length = 891.7630'
Radius = 1,437.4927'
External = 72.0368'
Long Chord = 877.5319'
Mid. Ord. = 68.5991'
P.C. Station 131+11.8730 N 2,079,227.5101 E 2,614,811.1549
P.T. Station 140+03.6360 N 2,079,515.0152 E 2,615,640.2526
C.C. N 2,078,077.9232 E 2,615,674.1933

Course from PT D2280 to D21043 88^ 38' 49.4269" Dist 7,167.3471'

Point D21043 N 2,079,684.2435 E 2,622,805.6016 Sta 211+70.9831

Course from D21043 to PC D2350 88^ 38' 49.4269" Dist 1,220.7365'

Curve Data

Curve D2_350
P.I. Station 230+42.7654 N 2,079,728.4382 E 2,624,676.8622
Delta = 0^ 20' 14.8741" (LT)
Degree = 0^ 01' 33.3020"
Tangent = 651.0458'
Length = 1,302.0879'
Radius = 221,072.2180'
External = 0.9586'
Long Chord = 1,302.0860'
Mid. Ord. = 0.9586'
P.C. Station 223+91.7196 N 2,079,713.0663 E 2,624,025.9978
P.T. Station 236+93.8075 N 2,079,747.6432 E 2,625,327.6247
C.C. N 2,300,723.6541 E 2,618,806.2593

Course from PT D2350 to D21060 88^ 18' 34.5528" Dist 4,483.0011'

Point D21060 N 2,079,879.8864 E 2,629,808.6748 Sta 281+76.8086

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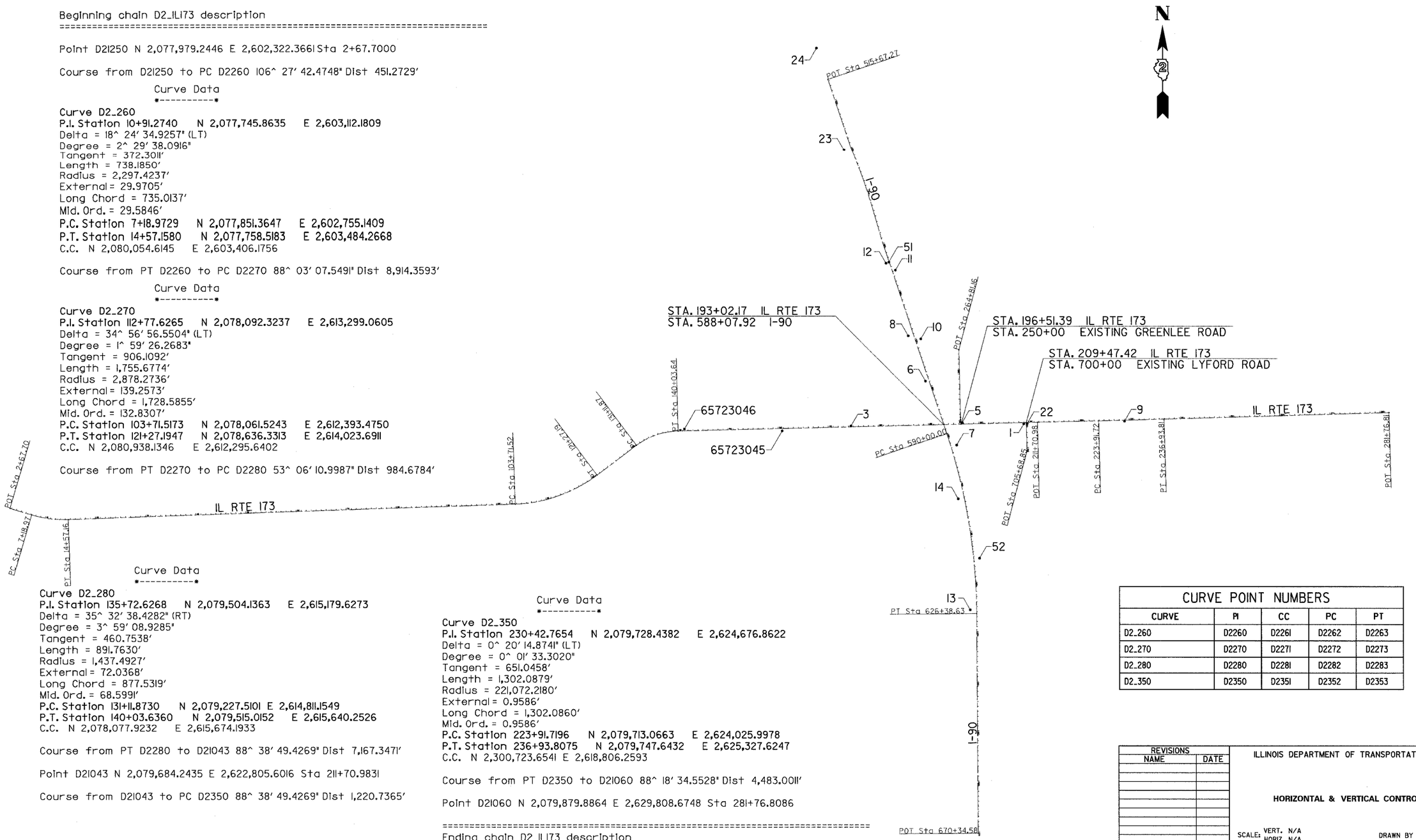
Ending chain D2_ILI73 description



CURVE POINT NUMBERS

CURVE	PI	CC	PC	PT
D2_260	D2260	D2261	D2262	D2263
D2_270	D2270	D2271	D2272	D2273
D2_280	D2280	D2281	D2282	D2283
D2_350	D2350	D2351	D2352	D2353

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORIZONTAL & VERTICAL CONTROL

SCALE: VERT. N/A
HORIZ. N/A
DATE SEPTEMBER 14, 2005

DRAWN BY
CHECKED BY

PLOT DATE = #DATE#
FILE NAME = #FILE1#
PLOT SCALE = #SCALE#
REFERENCE = #REF#

HORIZONTAL & VERTICAL CONTROL