F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	27	8
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62990

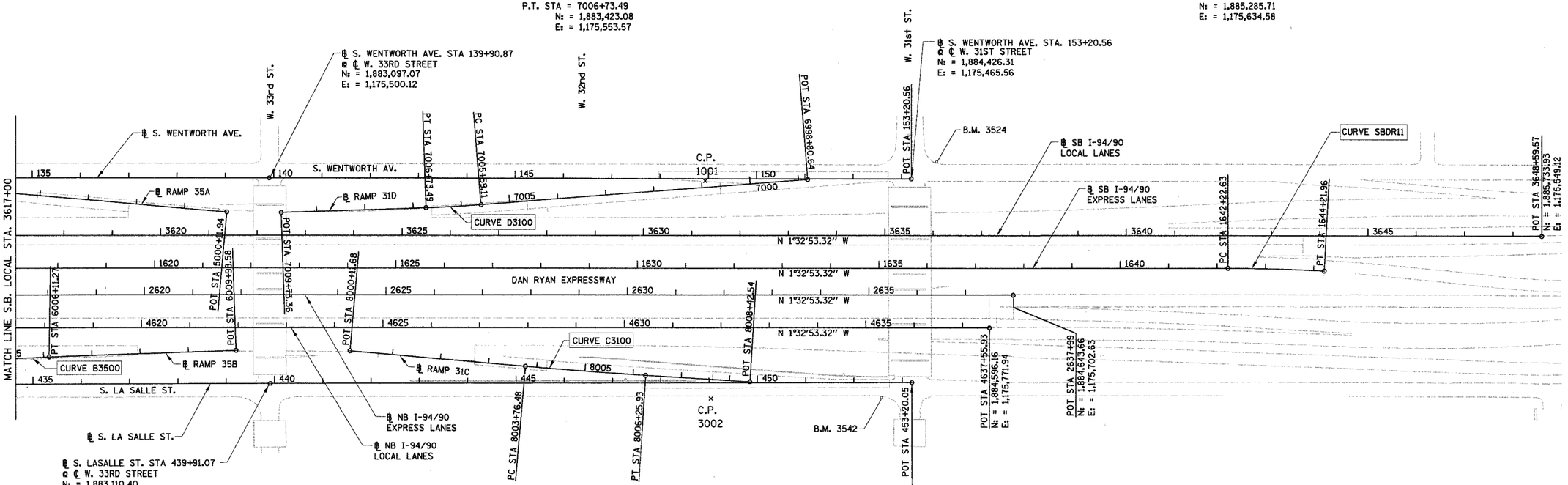
n:\BDD\cad\civil\3d\sheets\650_3tcad10.dgn

PROP. CURVE D3100

P.I. STA = 7006+16.31
N: = 1,883,480.18
E = 1,175,550.12
Δ = 2° 35′ 11″ (RT)
D = 2° 15′ 40″
R = 2,534.00′
T = 57.20′
L = 114.38′
E = 0.65′
e = 2.6%
S.A. = STA 7005+43.11
TO 7005+63.11
S.R. = STA 7006+69.49
TO 7006+89.49
P.C. STA = 7005+59.11
N: = 1,883,537.06
E: = 1,175,544.09
P.T. STA = 7006+73.49
N: = 1,883,423.08
E: = 1,175,553.57

PROP. CURVE SBDR11

P.I. STA = 1643+22.32
N: = 1,885,186.06
E: = 1,175,631.95
Δ = 3° 03′ 18″ (RT)
D = 1° 31′ 57″
R = 3,738.57′
T = 99.69′
L = 199.33′
E = 1.33′
e = ±2.5% (MATCH EXISTING)
S.A. = STA 1641+95.99
TO 1642+35.95
S.R. = N/A
P.C. STA = 1642+22.63
N: = 1,885,086.40
E: = 1,175,634.65
P.T. STA = 1644+21.96
N: = 1,885,285.71
E: = 1,175,634.58



PROP. CURVE B3500

P.I. STA = 6005+40.21
N: = 1,882,580.23
E: = 1,175,889.72
Δ = 3° 25′ 00″ (RT)
D = 2° 24′ 12″
R = 2,384.00′
T = 71.10′
L = 142.16′
E = 1.06′
e = 2.7%
S.A. = STA 6004+53.11
TO 6004+73.11
S.R.= STA 6006+07.27
TO 6006+27.27
P.C. STA = 6004+69.11
N: = 1,882,509.63
E: = 1,175,898.23
P.T. STA = 6006+11.27
N: = 1,882,651.20
E: = 1,175,885.43

PROP. CURVE C3100

P.I. STA = 8005+01.21
N: = 1,883,762.40
E = 1,175,886.19
Δ = 1° 25′ 45″ (LT)
D = 0° 34′ 23″
R = 10,000.00′
T = 124.73′
L = 249.45′
E = 0.78′
P.C. STA = 8003+76.48
N: = 1,883,637.89
E: = 1,175,878.68
P.T. STA = 8006+25.93
N: = 1,883,887.05
E: = 1,175,890.60

NOTES:
1. AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360
2. FOR BENCH MARK INFORMATION, SEE SHEET ALT-16 OF ALIGNMENT PLAN SHEETS.
3. FOR RAMP P.O.T. INFORMATION, SEE SHEET ALT-16 OF ALIGNMENT PLAN SHEETS.

ALT-04

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
NORTHBOUND KNEE WALLS (43RD ST TO ROOT ST)

ALIGNMENT PLAN

SCALE: 1"=100′ DRAWN BY: JDC
DATE: 04/25/08 CHECKED BY: RS

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbandainc.com

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