



EXIST. CURVE EX-LINE_C1
 PI STA. = 28+41.36
 $\Delta = 7^\circ 14' 29''$ (RT)
 $D = 0^\circ 46' 27''$
 $R = 7,400.00'$
 $T = 468.26'$
 $L = 935.26'$
 $E = 14.80'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 23+73.10$
 $P.T. STA. = 33+08.36$
 $DS = 55 \text{ MPH}$

EXIST. CURVE EX-LINE_A1
 PI STA. = 57+39.08
 $\Delta = 117^\circ 00' 14''$ (LT)
 $D = 1^\circ 53' 53''$
 $R = 3,018.50'$
 $T = 4,926.13'$
 $L = 6,164.09'$
 $E = 2,758.88'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 8+12.95$
 $P.T. STA. = 69+77.04$
 $DS = 55 \text{ MPH}$

EXIST. CURVE C36
 PI STA. = 1049+07.94
 $\Delta = 113^\circ 05' 28''$ (LT)
 $D = 2^\circ 00' 02''$
 $R = 2,864.00'$
 $T = 4,334.52'$
 $L = 5,653.00'$
 $E = 2,331.24'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 1005+73.42$
 $P.T. STA. = 1062+26.42$
 $DS = 55 \text{ MPH}$

EXIST. CURVE EX-LINE_D1
 PI STA. = 33+36.38
 $\Delta = 26^\circ 13' 25''$ (RT)
 $D = 4^\circ 20' 26''$
 $R = 1,320.00'$
 $T = 307.46'$
 $L = 604.15'$
 $E = 35.33'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 30+28.92$
 $P.T. STA. = 36+33.07$
 $DS = 55 \text{ MPH}$

PROP. CURVE PR-LINE_DS-1
 PI STA. = 133+64.12
 $N = 1,853,125.7984$
 $E = 1,186,514.0276$
 $\Delta = 25^\circ 31' 59''$ (RT)
 $D = 4^\circ 18' 05''$
 $R = 1,332.00'$
 $T = 301.80'$
 $L = 593.59'$
 $E = 33.76'$
 $e = N/A$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 130+62.31$
 $N = 1,834,846.2847$
 $E = 1,186,400.1956$
 $P.T. STA. = 136+55.90$
 $N = 1,835,328.9489$
 $E = 1,186,737.2214$
 $DS = 55 \text{ MPH}$

NOTES:
 T.R. = TANGENT RUNOUT
 S.E. RUN = SUPERELEVATION RUNOFF
 S.A. (SUPERELEVATION OBTAINED) IS THE SUM OF T.R. AND S.E. RUN
 S.R. (SUPERELEVATION REMOVED) IS THE SUM OF T.R. AND S.E. RUN

MATCHLINE "A"
 SEE SHEET 2 OF 5
 FOR CONTINUATION

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

FILE NAME =	USER NAME = default	DESIGNED - JG	REVISED -
*FILEL\$		DRAWN - JG	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - OC	REVISED -
	PLOT DATE = 12/7/2012	DATE - 11/08/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES, AND BENCHMARKS			
SCALE: 1"=100'	SHEET NO. 1 OF 6 SHEETS	STA. N/A	TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-060-BR	COOK	285	27
CONTRACT NO. 60V61				
ILLINOIS FED. AID PROJECT				

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