

EXIST. CURVE EX_RAMP_R2
 PI STA. = 619+66.20
 $\Delta = 89^\circ 54' 07''$ (RT)
 $D = 6^\circ 59' 14''$
 $R = 820.00'$
 $T = 818.60'$
 $L = 1,286.65'$
 $E = 338.66'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 611+47.60$
 $P.T. STA. = 624+34.25$
 $DS = 45$ MPH

EXIST. CURVE EX_RAMP_D11
 PI STA. = 318+66.47
 $\Delta = 47^\circ 57' 10''$ (LT)
 $D = 13^\circ 19' 29''$
 $R = 430.00'$
 $T = 191.24'$
 $L = 359.88'$
 $E = 40.61'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 316+75.23$
 $P.T. STA. = 320+35.11$
 $DS = 20$ 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

EXIST. CURVE EX_RAMP_R3
 PI STA. = 628+27.29
 $\Delta = 26^\circ 59' 51''$ (LT)
 $D = 13^\circ 01' 18''$
 $R = 440.00'$
 $T = 105.62'$
 $L = 207.32'$
 $E = 12.50'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 627+21.67$
 $P.T. STA. = 629+28.99$
 $DS = 25$ MPH

EXIST. CURVE EX_RAMP_D1
 PI STA. = 310+75.70
 $\Delta = 44^\circ 55' 02''$ (RT)
 $D = 5^\circ 40' 22''$
 $R = 1,010.00'$
 $T = 417.50'$
 $L = 791.80'$
 $E = 82.89'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 306+58.20$
 $P.T. STA. = 314+50.00$
 $DS = 45$ MPH

PROP. DBSW
 P.O.T. STA = 0+00.00
 $N = 1,836,679.0931$
 $E = 1,188,011.6396$
 P.O.T. STA = 2+61.34
 $N = 1,836,936.3158$
 $E = 1,188,057.8362$

PROP. DBSE
 P.C. STA = 0+00.00
 $N = 1,836,954.7483$
 $E = 1,188,738.9109$
 P.T. STA = 9+51.37
 $N = 1,836,312.6343$
 $E = 1,188,036.9241$

PROP. DB4
 P.C. STA = 0+00.00
 $N = 1,836,969.5385$
 $E = 1,189,026.0087$
 P.T. STA = 2+81.40
 $N = 1,836,870.7042$
 $E = 1,188,762.5408$

EXIST. CURVE EX_RAMP_F21
 PI STA. = 208+79.34
 $\Delta = 84^\circ 57' 31''$ (RT)
 $D = 24^\circ 54' 40''$
 $R = 230.00'$
 $T = 210.60'$
 $L = 341.05'$
 $E = 81.86'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 206+68.74$
 $P.T. STA. = 210+09.79$
 $DS = 25$ MPH

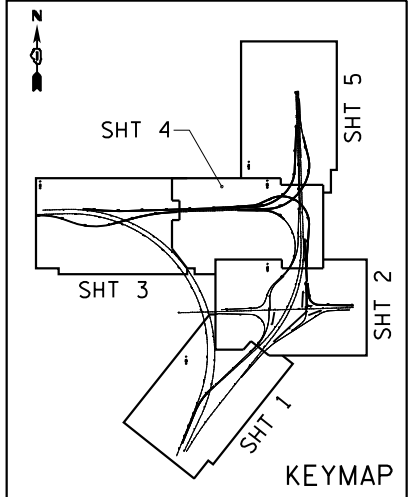
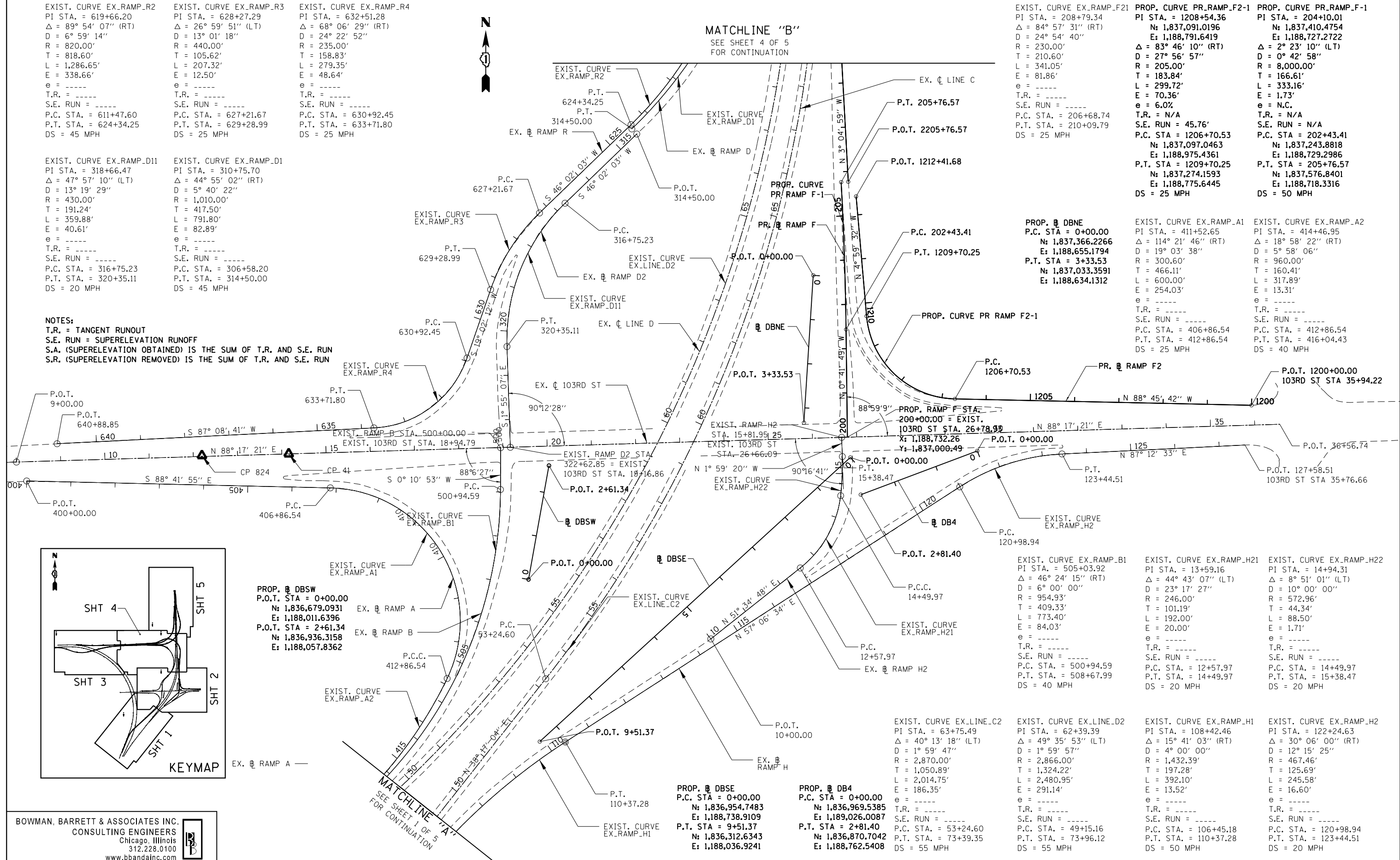
PROP. CURVE PR_RAMP_F2-1
 PI STA. = 1208+54.36
 $N = 1,837,091.0196$
 $E = 1,188,791.6419$
 $\Delta = 83^\circ 46' 10''$ (RT)
 $D = 27^\circ 56' 57''$
 $R = 205.00'$
 $T = 183.84'$
 $L = 299.72'$
 $E = 70.36'$
 $e = 6.0\%$
 $T.R. = N/A$
 $S.E. RUN = 45.76'$
 $P.C. STA = 1206+70.53$
 $N = 1,837,097.0463$
 $E = 1,188,975.4361$
 P.T. STA = 1209+70.25
 $N = 1,837,274.1593$
 $E = 1,188,775.6445$
 $DS = 25$ MPH

PROP. CURVE PR_RAMP_F-1
 PI STA. = 204+10.01
 $N = 1,837,410.4754$
 $E = 1,188,727.2722$
 $\Delta = 2^\circ 23' 10''$ (LT)
 $D = 0^\circ 42' 58''$
 $R = 8,000.00'$
 $T = 166.61'$
 $L = 333.16'$
 $E = 1.73'$
 $e = N.C.$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA = 202+43.41$
 $N = 1,837,243.8818$
 $E = 1,188,729.2986$
 P.T. STA = 205+76.57
 $N = 1,837,576.8401$
 $E = 1,188,718.3316$
 $DS = 50$ MPH

EXIST. CURVE EX_RAMP_A1
 PI STA. = 411+52.65
 $\Delta = 114^\circ 21' 46''$ (RT)
 $D = 19^\circ 03' 38''$
 $R = 300.60'$
 $T = 466.11'$
 $L = 600.00'$
 $E = 254.03'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 406+86.54$
 $P.T. STA. = 412+86.54$
 $DS = 25$ MPH

EXIST. CURVE EX_RAMP_A2
 PI STA. = 414+46.95
 $\Delta = 18^\circ 58' 22''$ (RT)
 $D = 5^\circ 58' 06''$
 $R = 960.00'$
 $T = 160.41'$
 $L = 317.89'$
 $E = 13.31'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 $P.C. STA. = 412+86.54$
 $P.T. STA. = 416+04.43$
 $DS = 40$ MPH

PROP. DBNE
 P.C. STA = 0+00.00
 $N = 1,837,366.2266$
 $E = 1,188,655.1794$
 P.T. STA = 3+33.53
 $N = 1,837,033.3591$
 $E = 1,188,634.1312$



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

FILE NAME =	USER NAME = default	DESIGNED - JG	REVISED -
#FILE#		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. 2 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	28
CONTRACT NO. 60V61				
ILLINOIS FED. AID PROJECT				

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