

**EXISTING CURVE DATA**

**EXISTING SB I-90/94**

EX CURVE KDR-ESB-00-1 PI STA = 186+12.11 Δ = 0° 55' 38" (LT) D = 0° 45' 00" R = 7,640.04' T = 61.81' L = 123.62' E = 0.25' PC STA = 185+50.30 PT STA = 186+73.92	EX CURVE KDR-ESB-00-2 PI STA = 194+46.34 Δ = 4° 37' 53" (LT) D = 0° 18' 00" R = 19,100.00' T = 772.39' L = 1,543.93' E = 15.61' PC STA = 186+73.95 PT STA = 202+17.88	EX CURVE KDR-ESB-00-3 PI STA = 8+34.32 Δ = 6° 40' 44" (RT) D = 3° 10' 59" R = 1,800.01' T = 105.03' L = 209.82' E = 3.06' SC STA = 7+29.29 CS STA = 9+39.11	EX CURVE KDR-ESB-00-4 PI STA = 13+66.51 Δ = 4° 16' 36" (LT) D = 2° 59' 59" R = 1,910.09' T = 71.32' L = 142.57' E = 1.33' SC STA = 12+95.19 CS STA = 14+37.76	EX CURVE KDR-ESB-00-5 PI STA = 19+84.85 Δ = 3° 04' 48" (RT) D = 0° 30' 00" R = 11,459.27' T = 308.08' L = 616.01' E = 4.14' PC STA = 16+76.77 PT STA = 22+92.78	EX CURVE KDR-ESB-00-6 PI STA = 28+07.67 Δ = 1° 23' 18" (RT) D = 0° 15' 00" R = 22,918.30' T = 277.67' L = 555.31' E = 1.68' PC STA = 25+30.01 PT STA = 30+85.31
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**EXISTING NB I-90/94**

EX CURVE KDR-ENB-00-1 PI STA = 192+81.92 Δ = 3° 17' 58" (LT) D = 0° 48' 25" R = 7,100.63' T = 204.51' L = 408.90' E = 2.94' PC STA = 190+77.41 PT STA = 194+86.31	EX CURVE KDR-ENB-00-2 PI STA = 199+68.51 Δ = 3° 11' 12" (RT) D = 0° 30' 00" R = 11,460.32' T = 318.77' L = 637.38' E = 4.43' PC STA = 196+49.74 PT STA = 202+87.12	EX CURVE KDR-ENB-00-3 PI STA = 7+04.34 Δ = 7° 10' 07" (LT) D = 2° 00' 00" R = 2,864.80' T = 179.45' L = 358.43' E = 5.61' PC STA = 5+24.89 PT STA = 8+83.32	EX CURVE KDR-ENB-00-4 PI STA = 20+43.63 Δ = 11° 24' 28" (RT) D = 2° 00' 00" R = 3,819.89' T = 381.54' L = 760.55' E = 19.01' PC STA = 16+62.09 PT STA = 24+22.65	EX CURVE KDR-ENB-00-5 PI STA = 27+72.52 Δ = 4° 08' 39" (LT) D = 0° 40' 00" R = 8,594.42' T = 310.95' L = 621.63' E = 5.62' PC STA = 24+61.57 PT STA = 30+83.20
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**EXISTING WB I-290**

EX CURVE IKE-EWB-00-1 PI STA = 325+38.06 Δ = 6° 49' 10" (RT) D = 3° 00' 00" R = 1,909.89' T = 113.80' L = 227.32' E = 3.39' SC STA = 324+24.26 CS STA = 326+51.59	EX SPIRAL IKE-EWB-00-1B PI STA 323+57.62 Δs = 2° 59' 59.83" Ds = 2° 59' 59.83" T1 = 133.35' T2 = 66.68' Rs = 1,909.89' Ls = 200.00' TS STA = 322+24.26 SC STA = 324+24.26	EX SPIRAL IKE-EWB-00-1A PI STA 327+18.26 Δs = 2° 59' 58.21" Ds = 2° 59' 59.83" T1 = 133.33' T2 = 66.67' Rs = 1,909.89' Ls = 199.97' CS STA = 326+51.59 ST STA = 328+51.56	EX CURVE IKE-EWB-00-2 PI STA = 332+11.06 Δ = 1° 57' 51" (LT) D = 3° 00' 00" R = 1,909.89' T = 32.74' L = 65.47' E = 0.28' SC STA = 331+78.32 CS STA = 332+43.79	EX SPIRAL IKE-EWB-00-2B PI STA 331+11.67 Δs = 2° 59' 59.83" Ds = 2° 59' 59.83" T1 = 133.35' T2 = 66.68' Rs = 1,909.89' Ls = 200.00' TS STA = 329+78.32 SC STA = 331+78.32	EX SPIRAL IKE-EWB-00-2A PI STA 333+10.47 Δs = 2° 59' 58.21" Ds = 2° 59' 59.83" T1 = 133.33' T2 = 66.67' Rs = 1,909.89' Ls = 199.97' CS STA = 332+43.79 ST STA = 334+43.76	EX CURVE IKE-EWB-00-3 PI STA = 340+66.38 Δ = 5° 05' 52" (LT) D = 1° 00' 00" R = 5,729.58' T = 255.06' L = 509.78' E = 5.67' PC STA = 338+11.32 PT STA = 343+21.10	EX CURVE IKE-EWB-00-4 PI STA = 354+73.38 Δ = 3° 48' 20" (RT) D = 2° 29' 59" R = 2,292.01' T = 76.14' L = 152.23' E = 1.26' PC STA = 353+97.24 PT STA = 355+49.47	EX SPIRAL IKE-EWB-00-4B PI STA 353+47.25 Δs = 1° 52' 29.47" Ds = 2° 29' 59.30" T1 = 100.01' T2 = 50.01' Rs = 2,292.01' Ls = 150.00' TS STA = 352+47.24 SC STA = 353+97.24	EX SPIRAL IKE-EWB-00-4A PI STA 355+99.47 Δs = 1° 52' 28.12" Ds = 2° 29' 59.30" T1 = 99.99' T2 = 50.00' Rs = 2,292.01' Ls = 149.97' CS STA = 355+49.47 ST STA = 356+99.44
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**EXISTING WB I-290 CONTINUED**

EX CURVE IKE-EWB-00-5 PI STA = 361+31.77 Δ = 3° 15' 02" (LT) D = 2° 29' 59" R = 2,292.01' T = 65.04' L = 130.04' E = 0.92' PC STA = 360+66.74 PT STA = 361+96.78	EX SPIRAL IKE-EWB-00-5B PI STA 360+16.74 Δs = 1° 52' 29.47" Ds = 2° 29' 59.30" T1 = 100.01' T2 = 50.01' Rs = 2,292.01' Ls = 150.00' TS STA = 359+16.74 SC STA = 360+66.74	EX SPIRAL IKE-EWB-00-5A PI STA 362+46.77 Δs = 1° 52' 28.12" Ds = 2° 29' 59.30" T1 = 99.99' T2 = 50.00' Rs = 2,292.01' Ls = 149.97' CS STA = 361+96.78 ST STA = 363+46.75
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**EXISTING EB I-290**

EX CURVE IKE-EEB-00-1 PI STA = 321+86.75 Δ = 4° 45' 41" (RT) D = 0° 20' 00" R = 17,188.74' T = 714.62' L = 1,428.42' E = 14.85' PC STA = 314+72.13 PT STA = 329+00.55	EX CURVE IKE-EEB-00-2 PI STA = 341+00.95 Δ = 4° 29' 17" (LT) D = 1° 50' 00" R = 3,125.22' T = 122.46' L = 244.80' E = 2.40' PC STA = 339+78.49 PT STA = 342+23.29	EX CURVE IKE-EEB-00-3 PI STA = 354+82.42 Δ = 2° 27' 30" (LT) D = 1° 00' 00" R = 5,729.65' T = 122.93' L = 245.82' E = 1.32' PC STA = 353+59.49 PT STA = 356+05.32	EX CURVE IKE-EEB-00-4 PI STA = 357+76.88 Δ = 2° 30' 00" (RT) D = 1° 00' 00" R = 5,729.65' T = 125.02' L = 250.00' E = 1.36' PC STA = 356+51.86 PT STA = 359+01.86
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**EXISTING RAMP SW**

EX CURVE CIR-ESW-00-1 PI STA = 16+45.46 Δ = 45° 09' 26" (RT) D = 9° 19' 39" R = 614.27' T = 255.43' L = 484.13' E = 50.99' PC STA = 13+90.03 PT STA = 18+74.16	EX CURVE CIR-ENW-00-2 PI STA = 23+51.29 Δ = 147° 31' 02" (LT) D = 17° 41' 01" R = 324.00' T = 1,112.23' L = 834.20' E = 834.46' PC STA = 12+39.06 PT STA = 20+73.26	EX CURVE CIR-ENW-00-3 PI STA = 22+66.58 Δ = 37° 04' 01" (RT) D = 19° 53' 40" R = 288.00' T = 96.55' L = 186.32' E = 15.75' PC STA = 21+70.03 PT STA = 23+56.35
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**EXISTING RAMP NW**

EX CURVE CIR-ENW-00-1 PI STA = 10+35.96 Δ = 23° 06' 09" (RT) D = 23° 00' 00" R = 249.11' T = 50.91' L = 100.45' E = 5.15' PC STA = 9+85.04 PT STA = 10+85.49	EX CURVE CIR-ENW-00-2 PI STA = 23+51.29 Δ = 147° 31' 02" (LT) D = 17° 41' 01" R = 324.00' T = 1,112.23' L = 834.20' E = 834.46' PC STA = 12+39.06 PT STA = 20+73.26	EX CURVE CIR-ENW-00-3 PI STA = 22+66.58 Δ = 37° 04' 01" (RT) D = 19° 53' 40" R = 288.00' T = 96.55' L = 186.32' E = 15.75' PC STA = 21+70.03 PT STA = 23+56.35
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EX CURVE CIR-ESW-00-1 PI STA = 16+45.46 Δ = 45° 09' 26" (RT) D = 9° 19' 39" R = 614.27' T = 255.43' L = 484.13' E = 50.99' PC STA = 13+90.03 PCC STA = 18+74.16	EX CURVE CIR-ESW-00-2 PI STA = 20+08.60 Δ = 16° 01' 34" (RT) D = 5° 59' 58" R = 955.00' T = 134.44' L = 267.12' E = 9.42' PCC STA = 18+74.16 PCC STA = 21+41.29	EX CURVE CIR-ESW-00-3 PI STA = 22+38.85 Δ = 26° 01' 11" (RT) D = 13° 34' 06" R = 422.28' T = 97.57' L = 191.77' E = 11.12' PCC STA = 21+41.29 PT STA = 23+33.05
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FILE PATH = C:\Users\pmsarno\Desktop\Drawings\26-14-01\2614-Sht-ATB-09.dgn



D160W28-Sht-ATB-09.dgn  
USER NAME = pmsarno  
PLOT SCALE = 200.0000' / in.  
PLOT DATE = 4/26/2014

DESIGNED - KAM	REVISED -
DRAWN - NSA/OPS	REVISED -
CHECKED - KCF	REVISED -
DATE - 04/28/14	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARKS**

SCALE: NONE SHEET 9 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	55
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	