

RAMP C

Curve Data

Curve RAMPC-2  
 P. I. Station = 15+59.57 N 1,839,242.44 E 1,188,056.07  
 Delta = 17° 15' 51" (LT)  
 Degree = 6° 08' 28"  
 Tangent = 141.63  
 Length = 281.12  
 Radius = 932.97  
 External = 10.69  
 Long Chord = 280.06  
 Mid. Ord. = 10.57  
 P. C. Station = 14+17.93 N 1,839,194.17 E 1,187,922.92  
 P. T. Station = 16+99.05 N 1,839,328.06 E 1,188,168.90  
 C. C. = N 1,840,071.28 E 1,187,604.94  
 Back = N 70° 04' 21" E  
 Ahead = N 52° 48' 30" E  
 Chord Bear = N 61° 26' 25" E

Course from PT RAMPC-2 to PC RAMPC-3 N 51° 19' 39" E Dist 48.39

Curve Data

Curve RAMPC-3  
 P. I. Station = 18+16.15 N 1,839,402.61 E 1,188,259.19  
 Delta = 8° 25' 10" (LT)  
 Degree = 6° 08' 17"  
 Tangent = 68.71  
 Length = 137.17  
 Radius = 933.47  
 External = 2.53  
 Long Chord = 137.05  
 Mid. Ord. = 2.52  
 P. C. Station = 17+47.44 N 1,839,358.30 E 1,188,206.68  
 P. T. Station = 18+84.62 N 1,839,454.13 E 1,188,304.65  
 C. C. = N 1,840,071.72 E 1,187,604.70  
 Back = N 49° 50' 33" E  
 Ahead = N 41° 25' 22" E  
 Chord Bear = N 45° 37' 58" E

Curve Data

Curve RAMPC-4  
 P. I. Station = 21+36.54 N 1,839,643.67 E 1,188,470.60  
 Delta = 39° 49' 33" (LT)  
 Degree = 8° 14' 20"  
 Tangent = 251.92  
 Length = 483.39  
 Radius = 695.44  
 External = 44.22  
 Long Chord = 473.72  
 Mid. Ord. = 41.58  
 P. C. Station = 18+84.62 N 1,839,454.13 E 1,188,304.65  
 P. T. Station = 23+68.01 N 1,839,895.51 E 1,188,476.66  
 C. C. = N 1,839,912.24 E 1,187,781.43  
 Back = N 41° 12' 14" E  
 Ahead = N 1° 22' 41" E  
 Chord Bear = N 21° 17' 28" E

Course from PT RAMPC-4 to PC RAMPC-5 N 1° 05' 17" W Dist 296.47

Curve Data

Curve RAMPC-5  
 P. I. Station = 27+52.65 N 1,840,279.91 E 1,188,476.87  
 Delta = 7° 01' 44" (RT)  
 Degree = 3° 59' 27"  
 Tangent = 88.17  
 Length = 176.12  
 Radius = 1,435.69  
 External = 2.71  
 Long Chord = 176.01  
 Mid. Ord. = 2.70  
 P. C. Station = 26+64.47 N 1,840,191.93 E 1,188,471.03  
 P. T. Station = 28+40.60 N 1,840,366.51 E 1,188,493.43  
 C. C. = N 1,840,096.88 E 1,189,903.57  
 Back = N 3° 47' 46" E  
 Ahead = N 10° 49' 30" E  
 Chord Bear = N 7° 18' 38" E

Course from PT RAMPC-5 to PC RAMPC-6 N 11° 54' 55" E Dist 60.36

Curve Data

Curve RAMPC-6  
 P. I. Station = 30+00.44 N 1,840,522.91 E 1,188,526.43  
 Delta = 12° 57' 19" (LT)  
 Degree = 6° 32' 21"  
 Tangent = 99.48  
 Length = 198.11  
 Radius = 876.18  
 External = 5.63  
 Long Chord = 197.69  
 Mid. Ord. = 5.59  
 P. C. Station = 29+00.96 N 1,840,425.57 E 1,188,505.89  
 P. T. Station = 30+99.07 N 1,840,622.37 E 1,188,524.63  
 C. C. = N 1,840,606.47 E 1,187,648.59  
 Back = N 11° 54' 55" E  
 Ahead = N 1° 02' 24" W  
 Chord Bear = N 5° 26' 15" E

Curve Data

Curve RAMPC-7  
 P. I. Station = 33+65.48 N 1,840,888.68 E 1,188,517.32  
 Delta = 0° 55' 34" (LT)  
 Degree = 0° 10' 26"  
 Tangent = 266.41  
 Length = 532.81  
 Radius = 32,960.62  
 External = 1.08  
 Long Chord = 532.80  
 Mid. Ord. = 1.08  
 P. C. Station = 30+99.07 N 1,840,622.37 E 1,188,524.63  
 P. T. Station = 36+31.88 N 1,841,154.84 E 1,188,505.71  
 C. C. = N 1,839,718.73 E 1,155,576.39  
 Back = N 1° 34' 16" W  
 Ahead = N 2° 29' 50" W  
 Chord Bear = N 2° 02' 03" W

Course from PT RAMPC-7 to RC2 N 2° 21' 13" W Dist 455.33

Point RC2 N 1,841,609.78 E 1,188,487.02 Sta 40+87.21

RAMP D

Point RD1 N 1,839,055.13 E 1,187,200.87 Sta 10+00.00

Course from RD1 to RD2 S 88° 28' 41" E Dist 317.75

Point RD2 N 1,839,046.70 E 1,187,518.51 Sta 13+17.75

Course from RD2 to PC RAMPD-1 S 88° 52' 20" E Dist 340.94

Curve Data

Curve RAMPD-1  
 P. I. Station = 18+63.97 N 1,839,039.33 E 1,188,064.66  
 Delta = 39° 49' 37" (RT)  
 Degree = 10° 06' 42"  
 Tangent = 205.27  
 Length = 393.88  
 Radius = 566.64  
 External = 36.03  
 Long Chord = 385.99  
 Mid. Ord. = 33.88  
 P. C. Station = 16+58.70 N 1,839,039.98 E 1,187,859.39  
 P. T. Station = 20+52.57 N 1,838,907.36 E 1,188,221.88  
 C. C. = N 1,838,473.35 E 1,187,857.58  
 Back = S 89° 49' 01" E  
 Ahead = S 49° 59' 24" E  
 Chord Bear = S 69° 54' 12" E

FILE NAME = D16RC08-832-ATB.dgn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BISHOP FORD EXPRESSWAY (I-94) ALIGNMENT AND TIES		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - DW/ZR	REVISED -				94	10312-708W, ETC. & 1315RS-4	COOK	167	32
	CHECKED - ES	REVISED -				CONTRACT NO. 60C08				
	DATE - 01/29/2009	REVISED -				FED. ROAD DIST. NO.   ILLINOIS FED. AID PROJECT				
			SCALE: N/A	SHEET NO. 12 OF 18 SHEETS	STA.	TO STA.				