

RAMP A

Curve Data

Curve RAMPA-8  
 P.I. Station = 60+26.44 N 1,839,088.48 E 1,188,052.45  
 Delta = 19° 11' 43" (LT)  
 Degree = 5° 17' 35"  
 Tangent = 183.04  
 Length = 362.65  
 Radius = 1,082.46  
 External = 15.37  
 Long Chord = 360.95  
 Mid. Ord. = 15.15  
 P.C. Station = 58+43.40 N 1,839,076.76 E 1,187,869.79  
 P.T. Station = 62+06.05 N 1,839,159.60 E 1,188,221.10  
 C.C. = N 1,840,157.00 E 1,187,800.51  
 Back = N 86° 19' 50" E  
 Ahead = N 67° 08' 07" E  
 Chord Bear = N 76° 43' 58" E

Curve Data

Curve RAMPA-9  
 P.I. Station = 63+30.76 N 1,839,211.46 E 1,188,334.52  
 Delta = 12° 49' 04" (LT)  
 Degree = 5° 09' 38"  
 Tangent = 124.71  
 Length = 248.39  
 Radius = 1,110.29  
 External = 6.98  
 Long Chord = 247.87  
 Mid. Ord. = 6.94  
 P.C. Station = 62+06.05 N 1,839,159.60 E 1,188,221.10  
 P.T. Station = 64+54.43 N 1,839,287.19 E 1,188,433.61  
 C.C. = N 1,840,169.34 E 1,187,759.42  
 Back = N 65° 25' 43" E  
 Ahead = N 52° 36' 39" E  
 Chord Bear = N 59° 01' 11" E

Course from PT RAMPA-9 to PC RAMPA-10 N 47° 53' 52" E Dist 30.63

Curve Data

Curve RAMPA-10  
 P.I. Station = 67+16.00 N 1,839,455.75 E 1,188,633.59  
 Delta = 27° 14' 13" (LT)  
 Degree = 6° 00' 39"  
 Tangent = 230.93  
 Length = 453.13  
 Radius = 953.21  
 External = 27.57  
 Long Chord = 448.88  
 Mid. Ord. = 26.80  
 P.C. Station = 64+85.06 N 1,839,307.72 E 1,188,456.34  
 P.T. Station = 69+38.20 N 1,839,668.49 E 1,188,723.43  
 C.C. = N 1,840,039.34 E 1,187,845.32  
 Back = N 50° 07' 58" E  
 Ahead = N 22° 53' 45" E  
 Chord Bear = N 36° 30' 52" E

Curve Data

Curve RAMPA-11  
 P.I. Station = 71+09.40 N 1,839,826.51 E 1,188,789.33  
 Delta = 22° 54' 04" (LT)  
 Degree = 6° 46' 43"  
 Tangent = 171.21  
 Length = 337.85  
 Radius = 845.25  
 External = 17.17  
 Long Chord = 335.60  
 Mid. Ord. = 16.82  
 P.C. Station = 69+38.20 N 1,839,668.49 E 1,188,723.43  
 P.T. Station = 72+76.04 N 1,839,997.72 E 1,188,788.54  
 C.C. = N 1,839,993.81 E 1,187,943.30  
 Back = N 22° 38' 11" E  
 Ahead = N 0° 15' 53" W  
 Chord Bear = N 11° 11' 09" E

Curve Data

Curve RAMPA-12  
 P.I. Station = 74+08.02 N 1,840,129.53 E 1,188,781.90  
 Delta = 12° 21' 30" (LT)  
 Degree = 4° 42' 00"  
 Tangent = 131.98  
 Length = 262.94  
 Radius = 1,219.03  
 External = 7.12  
 Long Chord = 262.43  
 Mid. Ord. = 7.08  
 P.C. Station = 72+76.04 N 1,839,997.72 E 1,188,788.54  
 P.T. Station = 75+38.98 N 1,840,256.87 E 1,188,747.21  
 C.C. = N 1,839,936.45 E 1,187,571.05  
 Back = N 2° 52' 50" W  
 Ahead = N 15° 14' 20" W  
 Chord Bear = N 9° 03' 35" W

Course from PT RAMPA-12 to RA4 S 74° 45' 40" W Dist 8.00

Point RA4 N 1,840,254.76 E 1,188,739.50 Sta 75+46.98

Course from RA4 to PC RAMPA-13 N 13° 05' 34" W Dist 436.22

Curve Data

Curve RAMPA-13  
 P.I. Station = 81+42.90 N 1,840,835.73 E 1,188,606.89  
 Delta = 8° 52' 20" (RT)  
 Degree = 2° 47' 00"  
 Tangent = 159.70  
 Length = 318.76  
 Radius = 2,058.49  
 External = 6.19  
 Long Chord = 318.44  
 Mid. Ord. = 6.17  
 P.C. Station = 79+83.20 N 1,840,679.65 E 1,188,640.68  
 P.T. Station = 83+01.96 N 1,840,995.16 E 1,188,597.57  
 C.C. = N 1,841,115.20 E 1,190,652.56  
 Back = N 12° 12' 56" W  
 Ahead = N 3° 20' 36" W  
 Chord Bear = N 7° 46' 46" W

Course from PT RAMPA-13 to RA5 N 2° 07' 25" W Dist 163.16

Point RA5 N 1,841,158.20 E 1,188,591.53 Sta 84+65.12

Course from RA5 to RA6 N 2° 07' 25" W Dist 314.92

Point RA6 N 1,841,472.91 E 1,188,579.86 Sta 87+80.04

RAMP B

Point RB1 N 1,839,079.51 E 1,183,110.97 Sta 10+00.00

Course from RB1 to PC RAMPB-1 N 88° 18' 45" E Dist 619.58

Curve Data

Curve RAMPB-1  
 P.I. Station = 17+59.56 N 1,839,101.59 E 1,183,870.21  
 Delta = 5° 44' 57" (RT)  
 Degree = 2° 03' 19"  
 Tangent = 139.98  
 Length = 279.73  
 Radius = 2,787.76  
 External = 3.51  
 Long Chord = 279.61  
 Mid. Ord. = 3.51  
 P.C. Station = 16+19.58 N 1,839,097.75 E 1,183,730.28  
 P.T. Station = 18+99.31 N 1,839,091.38 E 1,184,009.82  
 C.C. = N 1,836,311.04 E 1,183,806.59  
 Back = N 88° 25' 53" E  
 Ahead = S 85° 49' 10" E  
 Chord Bear = S 88° 41' 38" E

Course from PT RAMPB-1 to RB2 S 86° 17' 39" E Dist 55.06

Point RB2 N 1,839,087.82 E 1,184,064.77 Sta 19+54.37

Course from RB2 to RB3 S 85° 58' 29" E Dist 147.95

Point RB3 N 1,839,077.44 E 1,184,212.35 Sta 21+02.32

Course from RB3 to PC RAMPB-2 S 86° 13' 45" E Dist 120.51

|                                     |                   |           |   |   |                          |                |                              |                    |                 |              |
|-------------------------------------|-------------------|-----------|---|---|--------------------------|----------------|------------------------------|--------------------|-----------------|--------------|
| FILE NAME =<br>D:\BCC08-028-ATB.dgn | DESIGNED -        | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | BISHOP FORD EXPRESSWAY (I-94)                 |                          | F.A.I.<br>RTE. | SECTION                      | COUNTY             | TOTAL<br>SHEETS | SHEET<br>NO. |
|                                     | DRAWN - DW/ZR     | REVISED - |   | ALIGNMENTS                                    |                          | 94             | (0312-708W, ETC. & 1315RS-4) | COOK               | 167             | 28           |
|                                     | CHECKED - ES      | REVISED - |   | SCALE: N/A                                    | SHEET NO. 9 OF 18 SHEETS | STA.           | TO STA.                      | CONTRACT NO. 60C08 |                 |              |
|                                     | DATE - 01/29/2009 | REVISED - |   | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |                          |                |                              |                    |                 |              |