

RAMP B
 Point EXRAMPB01 N 1,903,468.1520 E 1,170,331.0608 Sta 5+71.88

Curve EXRAMPB-1
 P.I. Station 7+88.40 N 1,903,618.3687 E 1,170,175.4517
 Delta = 1°09' 01.77" (RT)
 Degree = 0°36' 01.60"
 Tangent = 95.8064
 Length = 191.6064
 Radius = 9,542.2100
 External = 0.4809
 Long Chord = 191.6032
 Mid. Ord. = 0.4809
 P.C. Station 6+92.59 N 1,903,555.5039 E 1,170,247.7490
 P.T. Station 8+84.20 N 1,903,682.6724 E 1,170,104.4312
 Back = N 48°59' 31.26" W
 Ahead = N 47°50' 29.48" W
 Chord Bear = N 48°25' 00.37" W

Curve EXRAMPB-2
 P.I. Station 9+99.65 N 1,903,760.1643 E 1,170,018.8449
 Delta = 43°58' 01.21" (RT)
 Degree = 20°02' 00.56"
 Tangent = 115.4557
 Length = 219.4675
 Radius = 286.0000
 External = 22.4251
 Long Chord = 214.1222
 Mid. Ord. = 20.7946
 P.C. Station 8+84.20 N 1,903,682.6724 E 1,170,104.4312
 P.T. Station 11+03.66 N 1,903,875.3562 E 1,170,011.0434
 Back = N 47°50' 29.48" W
 Ahead = N 3°52' 28.28" W
 Chord Bear = N 25°51' 28.88" W

Curve EXRAMPB-3
 P.I. Station 11+78.69 N 1,903,950.2086 E 1,170,005.9739
 Delta = 40°12' 08.07" (RT)
 Degree = 27°56' 56.98"
 Tangent = 75.0239
 Length = 143.8406
 Radius = 205.0000
 External = 13.2970
 Long Chord = 140.9080
 Mid. Ord. = 12.4871
 P.C. Station 11+03.66 N 1,903,875.3562 E 1,170,011.0434
 P.T. Station 12+47.50 N 1,904,010.6510 E 1,170,050.4183
 Back = N 3°52' 28.28" W
 Ahead = N 36°19' 39.79" E
 Chord Bear = N 16°13' 35.76" E

Curve EXRAMPB-4
 P.I. Station 14+12.90 N 1,904,143.8966 E 1,170,148.3962
 Delta = 60°04' 50.35" (RT)
 Degree = 20°02' 00.56"
 Tangent = 165.3907
 Length = 299.9011
 Radius = 286.0000
 External = 44.3787
 Long Chord = 286.3486
 Mid. Ord. = 38.4174
 P.C. Station 12+47.50 N 1,904,010.6510 E 1,170,050.4183
 P.T. Station 15+47.41 N 1,904,125.4367 E 1,170,312.7535
 Back = N 36°19' 39.79" E
 Ahead = S 83°35' 29.86" E
 Chord Bear = N 66°22' 04.96" E

Point EXRAMPB02 N 1,904,098.4267 E 1,170,553.2353 Sta 17+89.40

RAMP A
 Point 51 N 1,904,853.8190 E 1,168,854.7664 Sta 12+55.91

Course from 51 to 46 S 58°15' 16.47" E Dist 744.8796

Point 46 N 1,904,461.9036 E 1,169,488.2077 Sta 20+00.79

Curve C34
 P.I. Station 23+01.33 N 1,904,303.7716 E 1,169,743.7918
 Delta = 23°42' 00.31" (LT)
 Degree = 4°00' 00.05"
 Tangent = 300.5478
 Length = 592.5003
 Radius = 1,432.3900
 External = 31.1913
 Long Chord = 588.2853
 Mid. Ord. = 30.5265
 P.C. Station 20+00.79 N 1,904,461.9036 E 1,169,488.2077
 P.T. Station 25+93.29 N 1,904,261.7079 E 1,170,041.3815
 C.C. N 1,905,679.9998 E 1,170,241.8540
 Back = S 58°15' 16.47" E
 Ahead = S 81°57' 16.78" E
 Chord Bear = S 70°06' 16.63" E

RAMP C
 Point RAMPC200 N 1,904,349.9717 E 1,169,895.5222 Sta 100+00.00

Curve RAMPC2-1
 P.I. Station 109+48.55 N 1,904,658.7814 E 1,168,998.6527
 Delta = 76°21' 26.62" (LT)
 Degree = 14°32' 31.47"
 Tangent = 309.8103
 Length = 525.0790
 Radius = 394.0000
 External = 107.2169
 Long Chord = 487.0755
 Mid. Ord. = 84.2818
 P.C. Station 106+38.74 N 1,904,557.9191 E 1,169,291.5848
 P.T. Station 111+63.81 N 1,904,397.9039 E 1,168,831.5438
 Back = N 71°00' 01.49" W
 Ahead = S 32°38' 31.89" W
 Chord Bear = S 70°49' 15.20" W

Curve RAMPC2-2
 P.I. Station 118+82.33 N 1,903,792.8734 E 1,168,443.9826
 Delta = 128°03' 25.89" (LT)
 Degree = 16°22' 12.80"
 Tangent = 718.5163
 Length = 782.2569
 Radius = 350.0000
 External = 449.2282
 Long Chord = 629.3089
 Mid. Ord. = 196.7271
 P.C. Station 111+63.81 N 1,904,397.9039 E 1,168,831.5438
 P.T. Station 119+46.07 N 1,903,860.6790 E 1,169,159.2923
 Back = S 32°38' 31.89" W
 Ahead = N 84°35' 06.00" E
 Chord Bear = S 31°23' 11.05" E

Curve RAMPC2-3
 P.I. Station 123+98.85 N 1,903,903.4069 E 1,169,610.0462
 Delta = 45°11' 34.75" (RT)
 Degree = 11°48' 48.83"
 Tangent = 201.8512
 Length = 382.5517
 Radius = 485.0000
 External = 40.3274
 Long Chord = 372.7116
 Mid. Ord. = 37.2316
 P.C. Station 121+96.99 N 1,903,884.3584 E 1,169,409.0958
 P.T. Station 125+79.55 N 1,903,774.2596 E 1,169,765.1748
 Back = N 84°35' 06.00" E
 Ahead = S 50°13' 19.25" E
 Chord Bear = S 72°49' 06.63" E

Point RAMPC204 N 1,903,499.9697 E 1,170,094.6450 Sta 130+08.25

RAMP D
 Curve EXRAMPD-1
 P.I. Station 7+84.71 N 1,904,657.4188 E 1,168,764.0847
 Delta = 31°20' 21.10" (RT)
 Degree = 6°59' 44.96"
 Tangent = 229.7417
 Length = 447.9702
 Radius = 819.0000
 External = 31.6129
 Long Chord = 442.4067
 Mid. Ord. = 30.4380
 P.C. Station 5+54.97 N 1,904,810.6014 E 1,168,592.8646
 P.T. Station 10+02.94 N 1,904,437.5328 E 1,168,830.6534
 Back = S 48°10' 56.90" E
 Ahead = S 16°50' 35.80" E
 Chord Bear = S 32°30' 46.35" E

Curve EXRAMPD-2
 P.I. Station 16+60.86 N 1,903,807.8345 E 1,169,021.2897
 Delta = 95°15' 04.15" (LT)
 Degree = 15°00' 00.26"
 Tangent = 418.6857
 Length = 635.0046
 Radius = 381.9700
 External = 184.7740
 Long Chord = 564.3655
 Mid. Ord. = 124.5327
 P.C. Station 12+42.18 N 1,904,208.5590 E 1,168,899.9735
 P.T. Station 18+77.18 N 1,903,965.3165 E 1,169,409.2293
 Back = S 16°50' 35.80" E
 Ahead = N 67°54' 20.05" E
 Chord Bear = S 64°28' 07.88" E

Curve EXRAMPD-3
 P.I. Station 24+72.23 N 1,904,189.1339 E 1,169,960.5787
 Delta = 28°30' 02.82" (RT)
 Degree = 6°12' 45.87"
 Tangent = 234.2233
 Length = 458.7472
 Radius = 922.2300
 External = 29.2787
 Long Chord = 454.0321
 Mid. Ord. = 28.3777
 P.C. Station 22+38.00 N 1,904,101.0345 E 1,169,743.5556
 P.T. Station 26+96.75 N 1,904,162.9995 E 1,170,193.3394
 Back = N 67°54' 20.05" E
 Ahead = S 83°35' 37.13" E
 Chord Bear = N 82°09' 21.46" E

Curve EXRAMPD-4
 P.I. Station 32+38.95 N 1,904,102.5016 E 1,170,732.1514
 Delta = 8°00' 06.19" (LT)
 Degree = 2°15' 32.99"
 Tangent = 177.3831
 Length = 354.1894
 Radius = 2,536.1500
 External = 6.1957
 Long Chord = 353.9017
 Mid. Ord. = 6.1806
 P.C. Station 30+61.57 N 1,904,122.2938 E 1,170,555.8759
 P.T. Station 34+15.76 N 1,904,107.4401 E 1,170,909.4657
 Back = S 83°35' 37.13" E
 Ahead = N 88°24' 16.68" E
 Chord Bear = S 87°35' 40.23" E

Point EXRAMPD02 N 1,904,112.6416 E 1,171,096.2260 Sta 36+02.59

EB I-90/94
 Point 14 N 1,903,525.4085 E 1,170,115.9159 Sta 204+87.33

Curve C9
 P.I. Station 206+42.50 N 1,903,625.5588 E 1,169,997.3871
 Delta = 2°04' 07.58" (RT)
 Degree = 0°40' 00.00"
 Tangent = 155.1747
 Length = 310.3156
 Radius = 8,594.3600
 External = 1.4008
 Long Chord = 310.2988
 Mid. Ord. = 1.4005
 P.C. Station 204+87.33 N 1,903,525.4085 E 1,170,115.9159
 P.T. Station 207+97.65 N 1,903,729.9227 E 1,169,882.5509
 Back = N 49°48' 14.44" W
 Ahead = N 47°44' 06.86" W
 Chord Bear = N 48°46' 10.65" W

Point 15 N 1,903,729.9227 E 1,169,882.5509 Sta 207+97.65

Course from 15 to 16 N 47°44' 06.86" W Dist 63.7749

Point 16 N 1,903,772.8150 E 1,169,835.3546 Sta 208+61.42

Curve C10
 P.I. Station 210+56.93 N 1,903,904.3071 E 1,169,690.6680
 Delta = 4°26' 26.41" (LT)
 Degree = 1°08' 10.42"
 Tangent = 195.5106
 Length = 390.8254
 Radius = 5,042.6300
 External = 3.7887
 Long Chord = 390.7276
 Mid. Ord. = 3.7859
 P.C. Station 208+61.42 N 1,903,772.8150 E 1,169,835.3546
 P.T. Station 212+52.25 N 1,904,024.2019 E 1,169,536.2348
 Back = N 47°44' 06.86" W
 Ahead = N 52°10' 33.26" W
 Chord Bear = N 49°57' 20.06" W

Curve Data

Curve C11
 P.I. Station 215+97.83 N 1,904,236.1261 E 1,169,263.2607
 Delta = 5°10' 48.69" (RT)
 Degree = 0°45' 00.00"
 Tangent = 345.5817
 Length = 690.6925
 Radius = 7,639.4400
 External = 7.8125
 Long Chord = 690.4573
 Mid. Ord. = 7.8045
 P.C. Station 212+52.25 N 1,904,024.2019 E 1,169,536.2348
 P.T. Station 219+42.94 N 1,904,471.8312 E 1,169,010.5359
 Back = N 52°10' 33.26" W
 Ahead = N 46°59' 44.57" W
 Chord Bear = N 49°35' 08.92" W

Point 18 N 1,904,692.5726 E 1,168,773.8552 Sta 222+66.58

Curve C12
 P.I. Station 223+43.17 N 1,904,744.8088 E 1,168,717.8471
 Delta = 1°09' 06.24" (LT)
 Degree = 0°45' 06.98"
 Tangent = 76.5868
 Length = 153.1684
 Radius = 7,619.7300
 External = 0.3849
 Long Chord = 153.1658
 Mid. Ord. = 0.3849
 P.C. Station 222+66.58 N 1,904,692.5726 E 1,168,773.8552
 P.T. Station 224+19.75 N 1,904,795.9088 E 1,168,660.8004
 Back = N 46°59' 44.57" W
 Ahead = N 48°08' 50.82" W
 Chord Bear = N 47°34' 17.69" W

WB I-90/94
 Point 22 N 1,903,444.9917 E 1,170,322.9009 Sta 103+34.31

Curve C22
 P.I. Station 106+68.10 N 1,903,660.8258 E 1,170,068.1275
 Delta = 3°59' 38.42" (RT)
 Degree = 0°35' 53.93"
 Tangent = 333.9070
 Length = 667.5435
 Radius = 9,576.2100
 External = 5.8196
 Long Chord = 667.4084
 Mid. Ord. = 5.8161
 P.C. Station 103+34.19 N 1,903,444.9917 E 1,170,322.9009
 P.T. Station 110+01.74 N 1,903,893.8813 E 1,169,829.0061
 Back = N 49°43' 48.08" W
 Ahead = N 45°44' 09.66" W
 Chord Bear = N 47°43' 58.87" W

Point 23 N 1,903,893.8813 E 1,169,829.0061 Sta 110+01.74

Course from 23 to 24 N 45°44' 09.66" W Dist 497.3372

Point 24 N 1,904,241.0054 E 1,169,472.8472 Sta 114+99.07

Curve C23
 P.I. Station 117+62.01 N 1,904,424.5288 E 1,169,284.5471
 Delta = 4°55' 56.47" (LT)
 Degree = 0°56' 18.60"
 Tangent = 262.9406
 Length = 525.5565
 Radius = 6,105.0300
 External = 5.6597
 Long Chord = 525.3942
 Mid. Ord. = 5.6545
 P.C. Station 114+99.07 N 1,904,241.0054 E 1,169,472.8472
 P.T. Station 120+24.63 N 1,904,591.1827 E 1,169,081.1651
 Back = N 45°44' 09.66" W
 Ahead = N 50°40' 06.14" W
 Chord Bear = N 48°12' 07.90" W

Point 25 N 1,904,591.1827 E 1,169,081.1651 Sta 120+24.63

Course from 25 to 26 N 50°40' 06.14" W Dist 200.6878

Point 26 N 1,904,718.3803 E 1,168,925.9349 Sta 122+25.32

Curve C24
 P.I. Station 124+26.24 N 1,904,845.7266 E 1,168,770.5232
 Delta = 2°00' 32.48" (RT)
 Degree = 0°30' 00.00"
 Tangent = 200.9226
 Length = 401.8041
 Radius = 11,459.1500
 External = 1.7613
 Long Chord = 401.7835
 Mid. Ord. = 1.7611
 P.C. Station 122+25.44 N 1,904,718.3803 E 1,168,925.9349
 P.T. Station 126+27.24 N 1,904,978.4429 E 1,168,619.6714
 Back = N 50°40' 06.14" W
 Ahead = N 48°39' 33.66" W
 Chord Bear = N 49°39' 49.90" W



USER NAME = r9e11
PLOT SCALE = 200.0000' / in.
PLOT DATE = 3/25/2013

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-90/94 AT OHIO STREET ALIGNMENT, TIES, AND BENCHMARKS			
SCALE:	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	0303-474HB-R	COOK	368	39
CONTRACT NO. 60F63				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				