

2209+01.83, 167.97' LT (IL 96 / 36TH ST)  
 18+13.75, 423.66' LT (CH 36 / PAYSON RD)  
 $\Delta = 16^\circ 57' 25''$   
 RADIUS = 400'

|     | FAU 7830<br>(IL 96/36TH ST) |            | FAU 7817<br>(CH 36/PAYSON RD) |            | ELEVATION |
|-----|-----------------------------|------------|-------------------------------|------------|-----------|
| B1  | 2204+96.70                  | 167.57' RT | 2205+04.37                    | 30.00' RT  | 670.65    |
| B2  | 2204+96.89                  | 161.94' RT | 2205+10.00                    | 30.00' RT  | 670.68    |
| B3  | 2204+97.24                  | 151.95' RT | 2205+20.00                    | 30.00' RT  | 670.73    |
| B4  | 2204+97.59                  | 141.95' RT | 2205+30.00                    | 30.00' RT  | 670.79    |
| B5  | 2204+97.94                  | 131.96' RT | 2205+40.00                    | 30.00' RT  | 670.84    |
| B6  | 2204+98.29                  | 121.96' RT | 2205+50.00                    | 30.00' RT  | 670.90    |
| B7  | 2204+98.64                  | 111.97' RT | 2205+60.00                    | 30.00' RT  | 670.95    |
| B8  | 2204+98.99                  | 101.98' RT | 2205+70.00                    | 30.00' RT  | 671.00    |
| B9  | 2204+99.34                  | 91.98' RT  | 2205+80.00                    | 30.00' RT  | 671.06    |
| B10 | 2204+99.69                  | 81.99' RT  | 2205+90.00                    | 30.00' RT  | 671.11    |
| B11 | 2205+00.03                  | 72.00' RT  | 2206+00.00                    | 30.00' RT  | 671.16    |
| B12 | 2205+00.38                  | 62.00' RT  | 2206+10.00                    | 30.00' RT  | 671.22    |
| B13 | 2205+00.73                  | 52.01' RT  | 2206+20.00                    | 30.00' RT  | 671.27    |
| B14 | 2205+01.08                  | 42.01' RT  | 2206+30.00                    | 30.00' RT  | 671.33    |
| B15 | 2205+01.43                  | 32.02' RT  | 2206+40.00                    | 30.00' RT  | 671.38    |
| B16 | 2205+01.50                  | 30.00' RT  | 2206+42.02                    | 30.00' RT  | 671.39    |
| B17 | 2205+10.00                  | 30.00' RT  | 2206+42.32                    | 38.49' RT  | 671.36    |
| B18 | 2205+20.00                  | 30.00' RT  | 2206+42.67                    | 48.49' RT  | 671.32    |
| B19 | 2205+30.00                  | 30.00' RT  | 2206+43.02                    | 58.48' RT  | 671.29    |
| B20 | 2205+40.00                  | 30.00' RT  | 2206+43.36                    | 68.48' RT  | 671.25    |
| B21 | 2205+50.00                  | 30.00' RT  | 2206+43.71                    | 78.47' RT  | 671.21    |
| B22 | 2205+60.00                  | 30.00' RT  | 2206+44.06                    | 88.46' RT  | 671.18    |
| B23 | 2205+70.00                  | 30.00' RT  | 2206+44.41                    | 98.46' RT  | 671.14    |
| B24 | 2205+80.00                  | 30.00' RT  | 2206+44.76                    | 108.45' RT | 671.10    |
| B25 | 2205+90.00                  | 30.00' RT  | 2206+45.11                    | 118.45' RT | 671.07    |
| B26 | 2206+00.00                  | 30.00' RT  | 2206+45.46                    | 128.44' RT | 671.03    |
| B27 | 2206+10.00                  | 30.00' RT  | 2206+45.81                    | 138.43' RT | 670.99    |
| B28 | 2206+20.00                  | 30.00' RT  | 2206+46.16                    | 148.43' RT | 670.96    |
| B29 | 2206+30.00                  | 30.00' RT  | 2206+46.50                    | 158.42' RT | 670.92    |
| B30 | 2206+37.93                  | 30.00' RT  | 2206+46.78                    | 166.35' RT | 670.89    |

2207+48.93, 280.00' RT (IL 96 / 36TH ST)  
 2204+00.81, 286.00' RT (CH 36 / PAYSON RD)  
 $\Delta = 88^\circ 00' 02''$   
 RADIUS = 250'

2207+46.36, 282.56' RT (IL 96 / 36TH ST)  
 2203+98.16, 283.53' RT (CH 3 / PAYSON RD)  
 $\Delta = 41^\circ 12' 16''$   
 RADIUS = 270.27'

|     | FAU 7830<br>(IL 96/36TH ST) |            | FAU 7817<br>(CH 36/PAYSON RD) |           | ELEVATION |
|-----|-----------------------------|------------|-------------------------------|-----------|-----------|
| A1  | 2205+72.20                  | 18.00' LT  | 19+77.53                      | 98.76' LT | 671.17    |
| A2  | 2205+62.25                  | 18.91' LT  | 19+77.07                      | 88.78' LT | 671.20    |
| A3  | 2205+52.63                  | 21.60' LT  | 19+74.82                      | 79.05' LT | 671.23    |
| A4  | 2205+43.66                  | 25.98' LT  | 19+70.84                      | 69.89' LT | 671.25    |
| A5  | 2205+35.63                  | 31.92' LT  | 19+65.28                      | 61.60' LT | 671.28    |
| A6  | 2205+28.80                  | 39.21' LT  | 19+58.30                      | 54.45' LT | 671.31    |
| A7  | 2205+23.41                  | 47.61' LT  | 19+50.15                      | 48.69' LT | 671.32    |
| A8  | 2205+19.62                  | 56.85' LT  | 19+41.09                      | 44.49' LT | 671.30    |
| A9  | 2205+16.98                  | 66.49' LT  | 19+31.57                      | 41.41' LT | 671.27    |
| A10 | 2205+14.59                  | 76.20' LT  | 19+21.98                      | 38.59' LT | 671.24    |
| A11 | 2205+12.44                  | 85.97' LT  | 19+12.32                      | 36.00' LT | 671.20    |
| A12 | 2205+10.54                  | 95.79' LT  | 19+02.60                      | 33.66' LT | 671.17    |
| A13 | 2205+08.88                  | 105.65' LT | 18+92.82                      | 31.56' LT | 671.14    |
| A14 | 2205+07.47                  | 115.55' LT | 18+83.00                      | 29.70' LT | 671.10    |
| A15 | 2205+06.31                  | 125.48' LT | 18+73.13                      | 28.10' LT | 671.06    |
| A16 | 2205+05.39                  | 135.44' LT | 18+63.22                      | 26.74' LT | 671.01    |
| A17 | 2205+04.73                  | 145.41' LT | 18+53.28                      | 25.62' LT | 670.95    |
| A18 | 2205+04.31                  | 155.41' LT | 18+43.32                      | 24.76' LT | 670.88    |
| A19 | 2205+04.15                  | 165.40' LT | 18+33.34                      | 24.14' LT | 670.79    |
| A20 | 2205+04.22                  | 175.00' LT | 18+23.75                      | 23.79' LT | 670.71    |

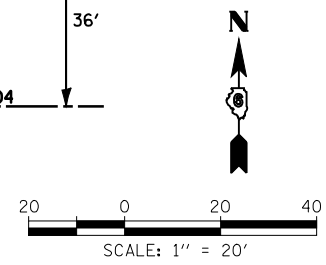
|     | FAU 7830<br>(IL 96/36TH ST) |            | FAU 7817<br>(CH 36/PAYSON RD) |            | RIGHT TURN LANE    | ELEVATION |
|-----|-----------------------------|------------|-------------------------------|------------|--------------------|-----------|
| C1  | 2205+01.70                  | 167.74' RT | 2205+04.37                    | 35.00' RT  | 10+97.83 21.53' LT | 670.58    |
| C2  | 2205+10.58                  | 150.46' RT | 2205+21.95                    | 43.27' RT  | 11+15.73 21.28' LT | 670.42    |
| C3  | 2205+20.68                  | 133.86' RT | 2205+38.90                    | 52.79' RT  | 11+33.65 21.03' LT | 670.29    |
| C4  | 2205+31.95                  | 118.02' RT | 2205+55.11                    | 63.50' RT  | 11+51.59 20.77' LT | 670.21    |
| C5  | 2205+44.32                  | 103.04' RT | 2205+70.52                    | 75.35' RT  | 11+69.54 20.51' LT | 670.17    |
| C6  | 2205+57.75                  | 88.99' RT  | 2205+85.03                    | 88.27' RT  | 11+87.51 20.25' LT | 670.18    |
| C7  | 2205+72.14                  | 75.94' RT  | 2205+98.58                    | 102.20' RT | 12+05.50 19.99' LT | 670.23    |
| C8  | 2205+87.44                  | 63.95' RT  | 2206+11.09                    | 117.07' RT | 12+23.50 19.73' LT | 670.32    |
| C9  | 2206+03.56                  | 53.10' RT  | 2206+22.50                    | 132.80' RT | 12+41.53 19.47' LT | 670.45    |
| C10 | 2206+20.41                  | 43.43' RT  | 2206+32.75                    | 149.31' RT | 12+59.56 19.22' LT | 670.63    |
| C11 | 2206+37.92                  | 35.00' RT  | 2206+41.78                    | 166.51' RT | 12+77.62 18.97' LT | 670.81    |

2205+72.20, 73.00' LT (IL 96 / 36TH ST)  
 19+22.59, 96.28' LT (CH 36 / PAYSON RD)  
 $\Delta = 74^\circ 11' 16''$   
 RADIUS = 55'

2-CENTERED CURVE  
 R1=55', R2=400', OS=15'

10' SPACINGS FROM A1 TO A20

POT STA 2206+70.99 (PR FAS 1597) =  
 PI STA 40+00.00 (36TH STREET/TR 64) =  
 PI STA 20+00.00 (PAYSON RD/FAU 7817) =  
 POT STA 2204+72.53 (PR FAU 7830)



|  |                                    |            |           |
|--|------------------------------------|------------|-----------|
| FILE NAME =                            | USER NAME = laughlinr1             | DESIGNED - | REVISED - |
| et:\pwork\pwork\LAUGHLINR1\02114681\02 | 2geometric01.dgn                   | DRAWN -    | REVISED - |
|  | PLOT SCALE = 40.0000' / IN.        | CHECKED -  | REVISED - |
|  | PLOT DATE = Dec-12-2008 02:53:39PM | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GEOMETRIC DETAIL  
 IL 96 & PAYSON ROAD**

SCALE: 1"=20' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

|                         |                           |                    |              |           |
|-------------------------|---------------------------|--------------------|--------------|-----------|
| F.A. RTE.               | SECTION                   | COUNTY             | TOTAL SHEETS | SHEET NO. |
| • - FAS 1597 & FAU 7830 | (11N)                     | ADAMS              | 117          | 52        |
| FED. ROAD DIST. NO.     | ILLINOIS FED. AID PROJECT | CONTRACT NO. 72817 |              |           |