

| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-------------|-----------|--------------|
|                     | OKLA. |           |             |           |              |

| DESCRIPTION | REVISIONS | DATE |
|-------------|-----------|------|
|             |           |      |

**Alignment Report**

Project Name: SWO 4707(2) J/P 21899(04)  
 Description: I-44, Pavement Reconstruction from Approx. Mayo Road East to Approx. 161st East Ave. and Bridge over 145th East Ave. 1.78 Miles (Tulsa and Rogers County)  
 Horizontal Alignment Name: A001  
 Description: Centerline of I-44  
 Style: Centerline

| Element: Circular | Station   | Easting      | Northing    |
|-------------------|-----------|--------------|-------------|
| PC/POB (300)      | 725+88.02 | 2608222.7224 | 428919.8269 |
| PI (342)          | 747+36.87 | 2609811.0468 | 430367.1699 |
| CC (338)          |           | 2612081.8330 | 424684.8119 |
| PT (308)          | 766+99.69 | 2611959.4108 | 430413.0838 |

Radius: 5729.579'  
 Delta: 41° 07' 00.06" Right  
 Degree of Curvature: 01° 00' 00.00"  
 Length: 4111.669'  
 Tangent: 2148.854'  
 Chord: 4024.010'  
 Middle Ordinate: 364.888'  
 External: 389.706'  
 Tangent Direction: N 47° 39' 32.40" E  
 Radial Direction: N 42° 20' 27.60" W  
 Chord Direction: N 68° 13' 02.43" E  
 Radial Direction: N 01° 13' 27.60" W  
 Tangent Direction: N 88° 46' 32.40" E

| Element: Linear | Station   | Easting      | Northing    |
|-----------------|-----------|--------------|-------------|
| PT (308)        | 766+99.69 | 2611959.4108 | 430413.0838 |
| PC/POE (316)    | 825+00.00 | 2617758.4001 | 430537.0194 |

Tangent Direction: N 88° 46' 32.40" E  
 Tangent Length: 5800.310'

Horizontal Alignment Name: A002  
 Description: Centerline of I-244  
 Style: Centerline

| Element: Linear | Station   | Easting      | Northing    |
|-----------------|-----------|--------------|-------------|
| PI/POB (317)    | 526+07.84 | 2608270.5674 | 431250.6097 |
| PT/POE (318)    | 535+31.50 | 2609031.2951 | 430726.7383 |

Tangent Direction: S 55° 26' 49.00" E  
 Tangent Length: 923.660'

Horizontal Alignment Name: A003  
 Description: Centerline of I-244 W-E Ramp  
 Style: Centerline

| Element: Linear | Station   | Easting      | Northing    |
|-----------------|-----------|--------------|-------------|
| POT/POB (319)   | 535+31.50 | 2609019.9517 | 430710.2663 |
| PC (321)        | 545+02.95 | 2609820.0392 | 430159.2898 |

Tangent Direction: S 55° 26' 49.00" E  
 Tangent Length: 971.450'

| Element: Circular | Station   | Easting      | Northing    |
|-------------------|-----------|--------------|-------------|
| PC (321)          | 545+02.95 | 2609820.0392 | 430159.2898 |
| PI (344)          | 552+91.65 | 2610469.6157 | 429711.9621 |
| CC (340)          |           | 2610632.4523 | 431339.0164 |
| PT (323)          | 559+44.85 | 2611194.9584 | 430021.6871 |

Radius: 1432.400'  
 Delta: 57° 40' 32.80" Left  
 Degree of Curvature: 03° 59' 59.94"  
 Length: 1441.900'  
 Tangent: 788.702'  
 Chord: 1381.788'  
 Middle Ordinate: 177.635'  
 External: 202.782'  
 Tangent Direction: S 55° 26' 49.00" E  
 Radial Direction: N 34° 33' 11.00" E  
 Chord Direction: S 84° 17' 05.40" E  
 Radial Direction: S 23° 07' 22.00" E  
 Tangent Direction: N 66° 52' 38.00" E

| Element: Linear | Station   | Easting      | Northing    |
|-----------------|-----------|--------------|-------------|
| PT (323)        | 559+44.85 | 2611194.9584 | 430021.6871 |
| PC (324)        | 564+62.04 | 2611670.6002 | 430224.7890 |

Tangent Direction: N 66° 52' 38.00" E  
 Tangent Length: 517.190'

| Element: Circular | Station   | Easting      | Northing    |
|-------------------|-----------|--------------|-------------|
| PC (324)          | 564+62.04 | 2611670.6002 | 430224.7890 |
| PI (345)          | 568+31.64 | 2612010.5066 | 430369.9311 |
| CC (341)          |           | 2612420.6075 | 428468.3567 |
| PT (326)          | 571+92.21 | 2612380.0210 | 430377.7854 |

Radius: 1909.860'  
 Delta: 21° 54' 18.33" Right  
 Degree of Curvature: 03° 00' 00.00"  
 Length: 730.169'  
 Tangent: 369.597'

Chord: 725.731'  
 Middle Ordinate: 34.788'  
 External: 35.433'  
 Tangent Direction: N 66° 52' 38.00" E  
 Radial Direction: N 23° 07' 22.00" W  
 Chord Direction: N 77° 49' 47.17" E  
 Radial Direction: N 01° 13' 04.00" W  
 Tangent Direction: N 88° 46' 56.00" E

| Element: Linear | Station   | Easting      | Northing    |
|-----------------|-----------|--------------|-------------|
| PT (326)        | 571+92.21 | 2612380.0210 | 430377.7854 |
| POT/POE (327)   | 580+00.00 | 2613187.6286 | 430394.9531 |

Tangent Direction: N 88° 46' 56.00" E  
 Tangent Length: 807.790'

Horizontal Alignment Name: A004  
 Description: Centerline of I-244 E-W Ramp  
 Style: Centerline

| Element: Circular | Station   | Easting      | Northing    |
|-------------------|-----------|--------------|-------------|
| PC/POB (328)      | 535+31.50 | 2609042.6413 | 430743.2084 |
| PI (343)          | 541+47.83 | 2609550.2518 | 430393.6448 |
| CC (339)          |           | 2610125.8549 | 432316.1716 |
| PT (330)          | 547+23.86 | 2610166.4429 | 430406.7430 |

Radius: 1909.859'  
 Delta: 35° 46' 14.83" Left  
 Degree of Curvature: 03° 00' 00.00"  
 Length: 1192.360'  
 Tangent: 616.330'  
 Chord: 1173.090'  
 Middle Ordinate: 92.298'  
 External: 96.985'  
 Tangent Direction: S 55° 26' 49.00" E  
 Radial Direction: N 34° 33' 11.00" E  
 Chord Direction: S 73° 19' 56.42" E  
 Radial Direction: S 01° 13' 04.00" E  
 Tangent Direction: N 88° 46' 56.00" E

| Element: Linear | Station   | Easting      | Northing    |
|-----------------|-----------|--------------|-------------|
| PT (330)        | 547+23.86 | 2610166.4429 | 430406.7430 |
| POT/POE (333)   | 570+00.00 | 2612442.0688 | 430455.1169 |

Tangent Direction: N 88° 46' 56.00" E  
 Tangent Length: 2276.140'

|          |          |  |
|----------|----------|--|
| PLS      | RWA      | OKLAHOMA DEPARTMENT OF TRANSPORTATION<br>SURVEY DIVISION |
| DRAWN    | GAA      |  |
| CHECKED  | AKB      |  |
| APPROVED | BAP      |  |
| CREW     | CHOUTEAU | SWO 4707 (2) PROJECT NO. 21899(04) SHEET NO. S-4         |

**SURVEY DATA SHEET**