4.5 Annual Average Daily Traffic (AADT) and Level of Service (LOS)

Average Annual Daily Traffic (AADT)

The Annual Average Daily Traffic (AADT) is the total volume of vehicular traffic on a roadway throughout the entire year divided by 365 days (Annual Volume / 365 = AADT). The AADT provides a snapshot of how many vehicles utilize a roadway at a given time and provides a general description of the flow of traffic along a roadway. The AADT for the Oklahoma Route 66 is broken up by percentages and summarized in Table 5 and also displayed on Figures 35-42

Table 5 - Annual Average Daily Traffic (AADT)

2007 AADT (Vehicles)	Percentage on The Oklahoma Route 66 Scenic
	Byway
> 25,000 vehicles	4.2%
10,001 – 25,000 vehicles	13.1%
2,501 – 10,000 vehicles	39.9%
< or $= 2,500$ vehicles	33.0%
Data Unavailable	15.8%

(Source: Oklahoma Department of Transportation, 2007/2008)

The percentage break-up and subsequent maps show that approximately 72.9% of The Oklahoma Route 66 Scenic Byway is traveled by less than 10,000 vehicles on a day to day basis. This is because most of the corridor is comprised of small towns and rural areas.

Level of Service (LOS)

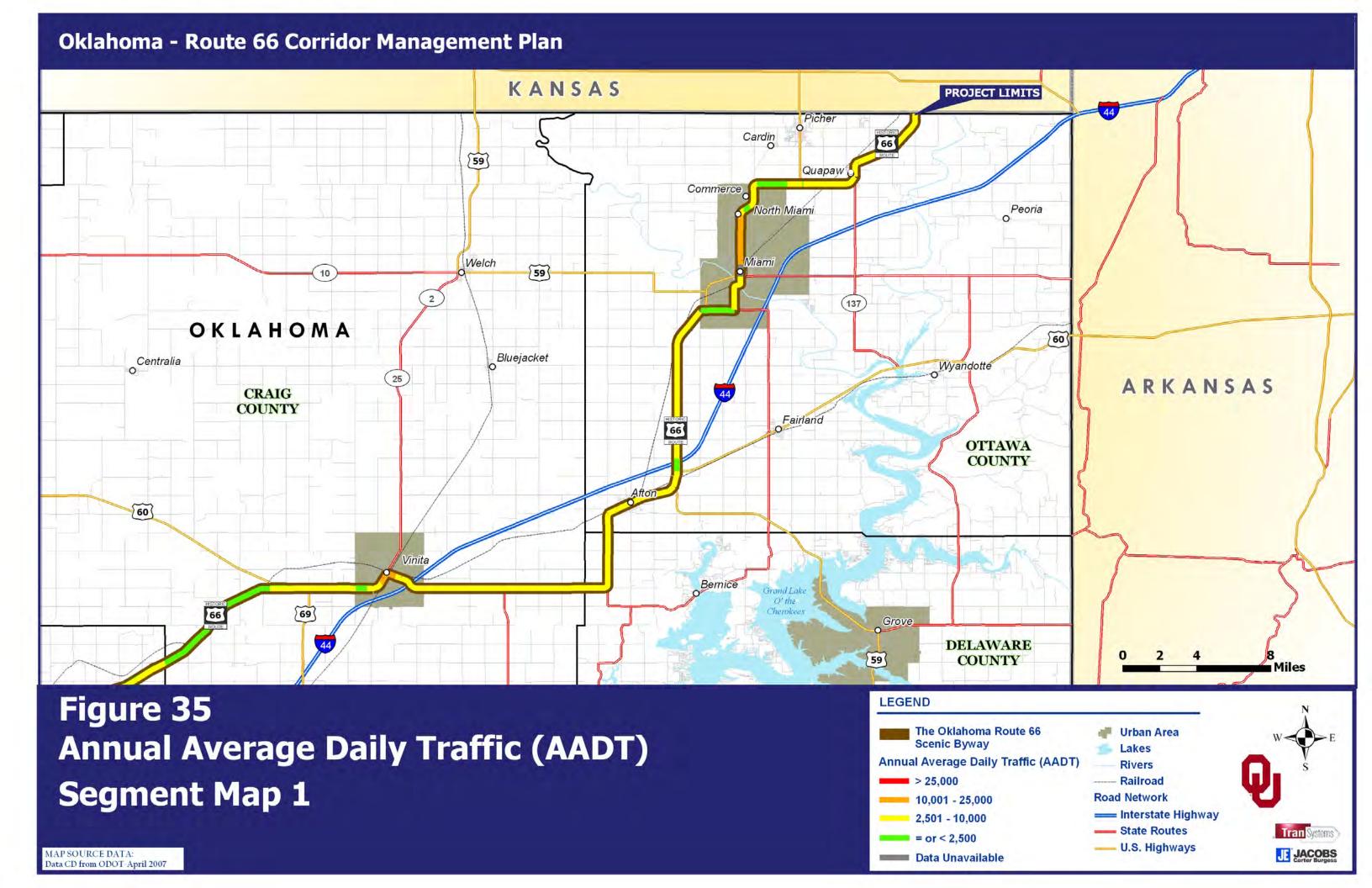
Level of Service (LOS) is classified as a measure-of-effectiveness by which traffic engineers determine the quality of service of transportation infrastructure. The transportation LOS system is classified using the letters A through F, with A being the best and F being the worst. LOS A is where traffic flows at or above the posted speed limit and there is complete mobility between lanes. LOS F is classified by flow that is forced, i.e., stop and go traffic that is almost always at a traffic jam. The LOS for Oklahoma Route 66 is generally A through C, with only a few outlying segments at LOS D, LOS E, or LOS F. The LOS for Oklahoma Route 66 is broken up by percentages and summarized in Table 6 and displayed in Figures 43-50.

Table 6 - Level of Service (LOS)

2007 Level of Service (LOS)	Percentage on The Oklahoma Route 66 Scenic Byway
	Dyway
LOS A to C	54.3%
LOS D	11.1%
LOS E	4.3%
LOS F	10.0%
Data Unavailable	20.3%

(Source: Oklahoma Department of Transportation, 2007/2008)

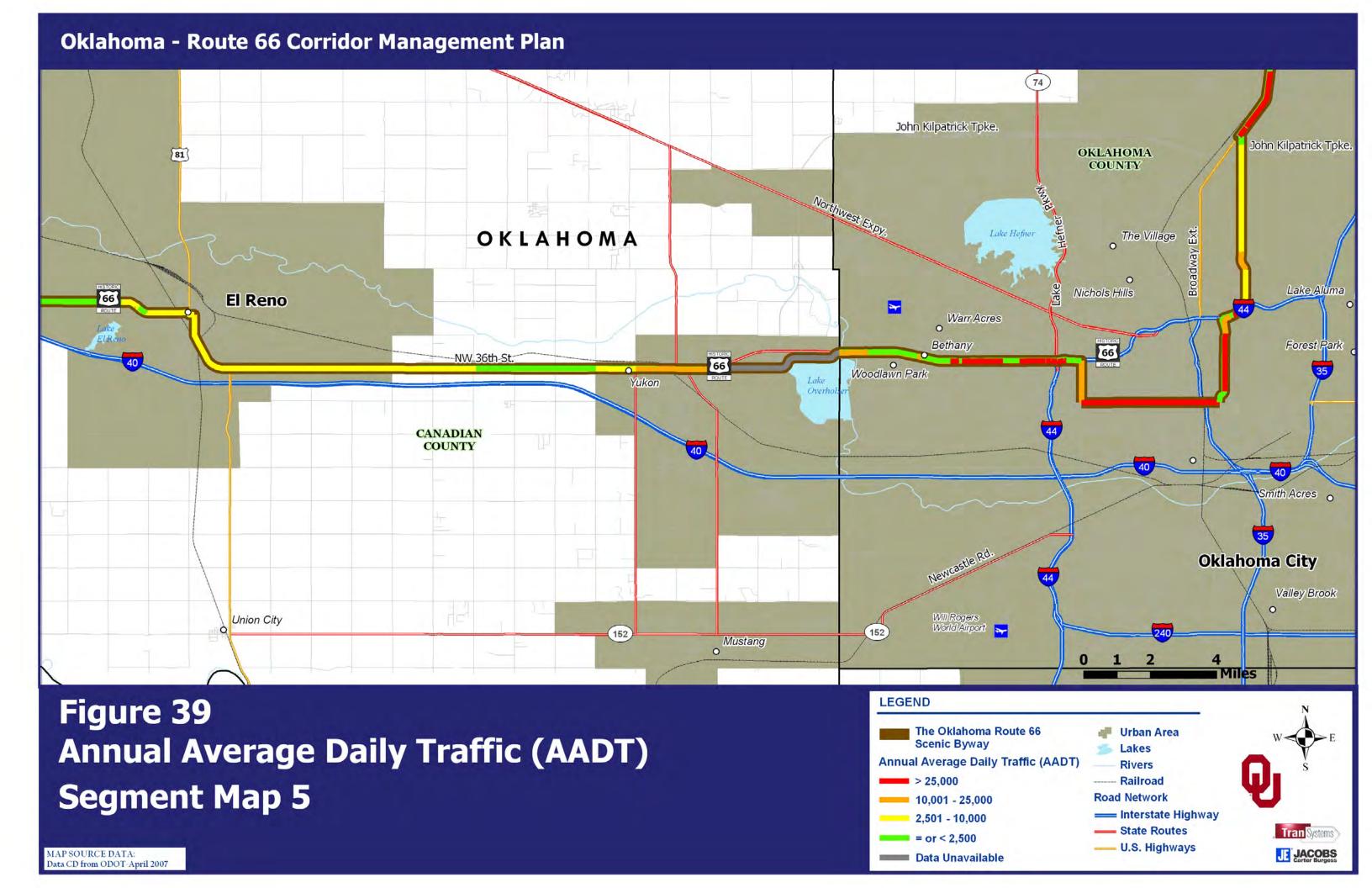
The Oklahoma Route 66 Scenic Byway has very few locations of LOS D or worse (25.4%) and generally, the entire corridor operates at an optimal LOS (54.3%). Much of the data in the western communities along the corridor is unavailable, but conclusions can be drawn from the data available (and shown), that those areas operate at an optimal LOS. During large community or regional events the road network tends to get congested near the larger communities, however, the congestion is generally for a short period of time. The current LOS along the corridor concludes that the corridor is capable of adequately accommodating the existing, and even an increase in traffic safely and with minimal, if any, impacts to the communities, resources, and their associated roadways.

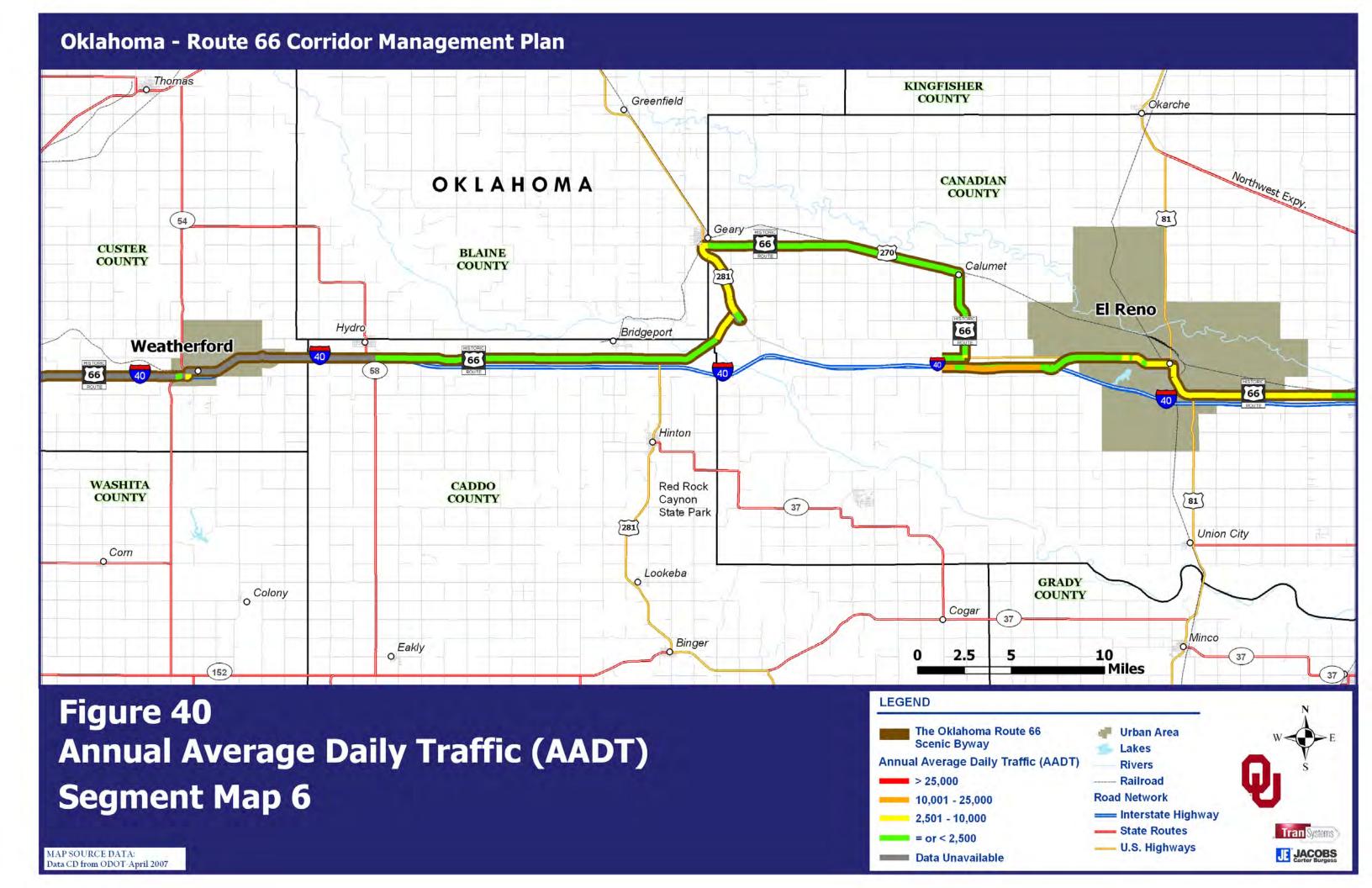


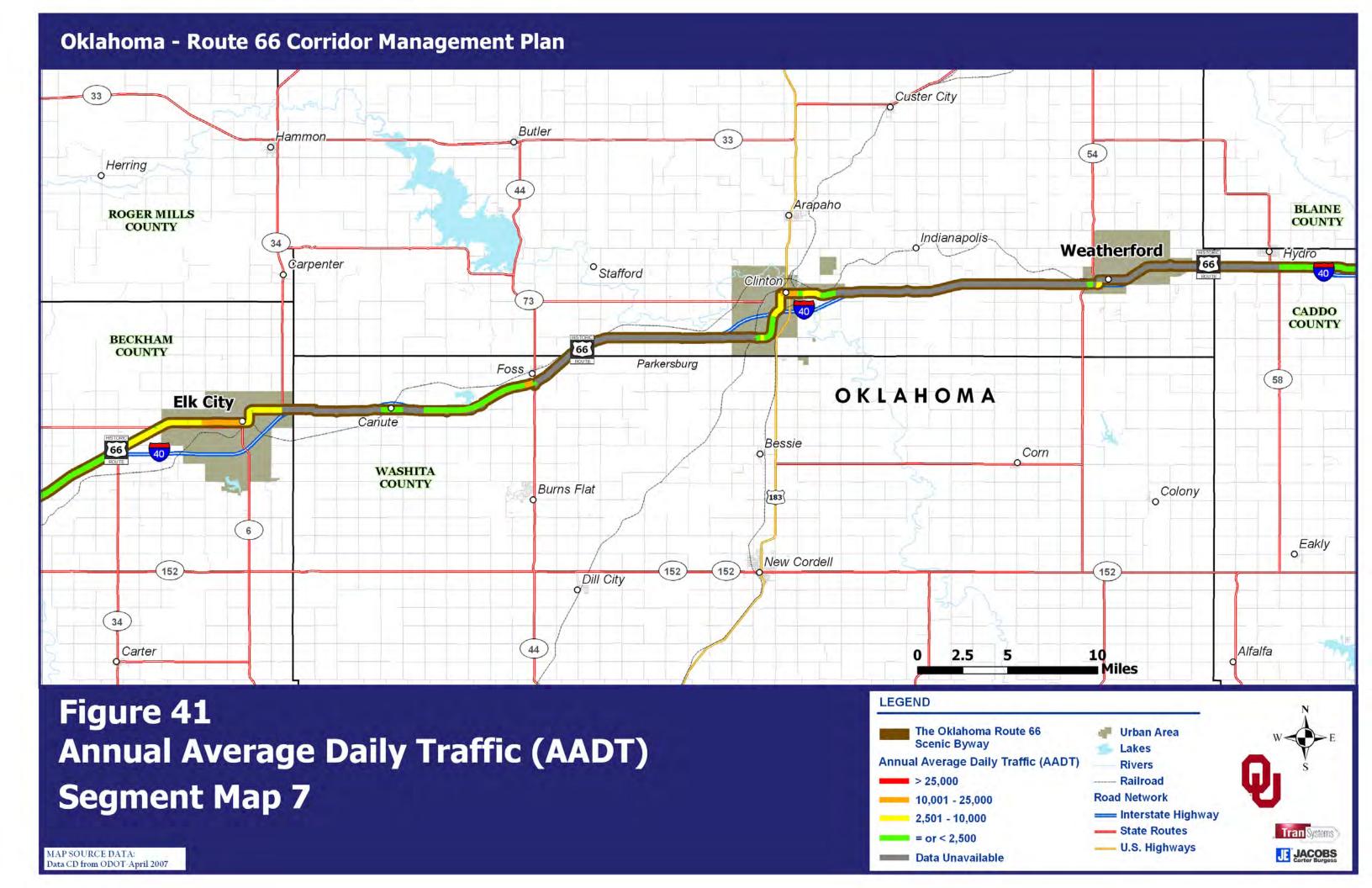
Oklahoma - Route 66 Corridor Management Plan Pawhuska WASHINGTON COUNTY NOWATA 60 COUNTY Nelagoney Watova New Alluwe CRAIG COUNTY 75 Wynona Big Cabin Ramona **OSAGE** 28 Pensacola COUNTY Oologah MAYES ROGERS Collinsville o Eucha COUNTY Hoot Owl 75 DELAWARE Osage COUNTY Colcord Sportsmen Acres O OKLAHOMA (33) Westport 0 Chouteau Oaks 151) o New Tulsa **O** Mazie ADAIR Peggs COUNTY Tulsa CREEK 75 Moody 0 COUNTY 169 CHEROKEE COUNTY 0 2.5 5 10 WAGONER TULSA Miles COUNTY Christie **O** Wagoner Figure 36 LEGEND The Oklahoma Route 66 Urban Area **Annual Average Daily Traffic (AADT)** Scenic Byway Lakes Annual Average Daily Traffic (AADT) Rivers Railroad **Segment Map 2** Road Network 10,001 - 25,000 Interstate Highway 2,501 - 10,000 Tran Systems **State Routes** U.S. Highways JE JACOBS Carter Burgess MAP SOURCE DATA: Data Unavailable Data CD from ODOT-April 2007

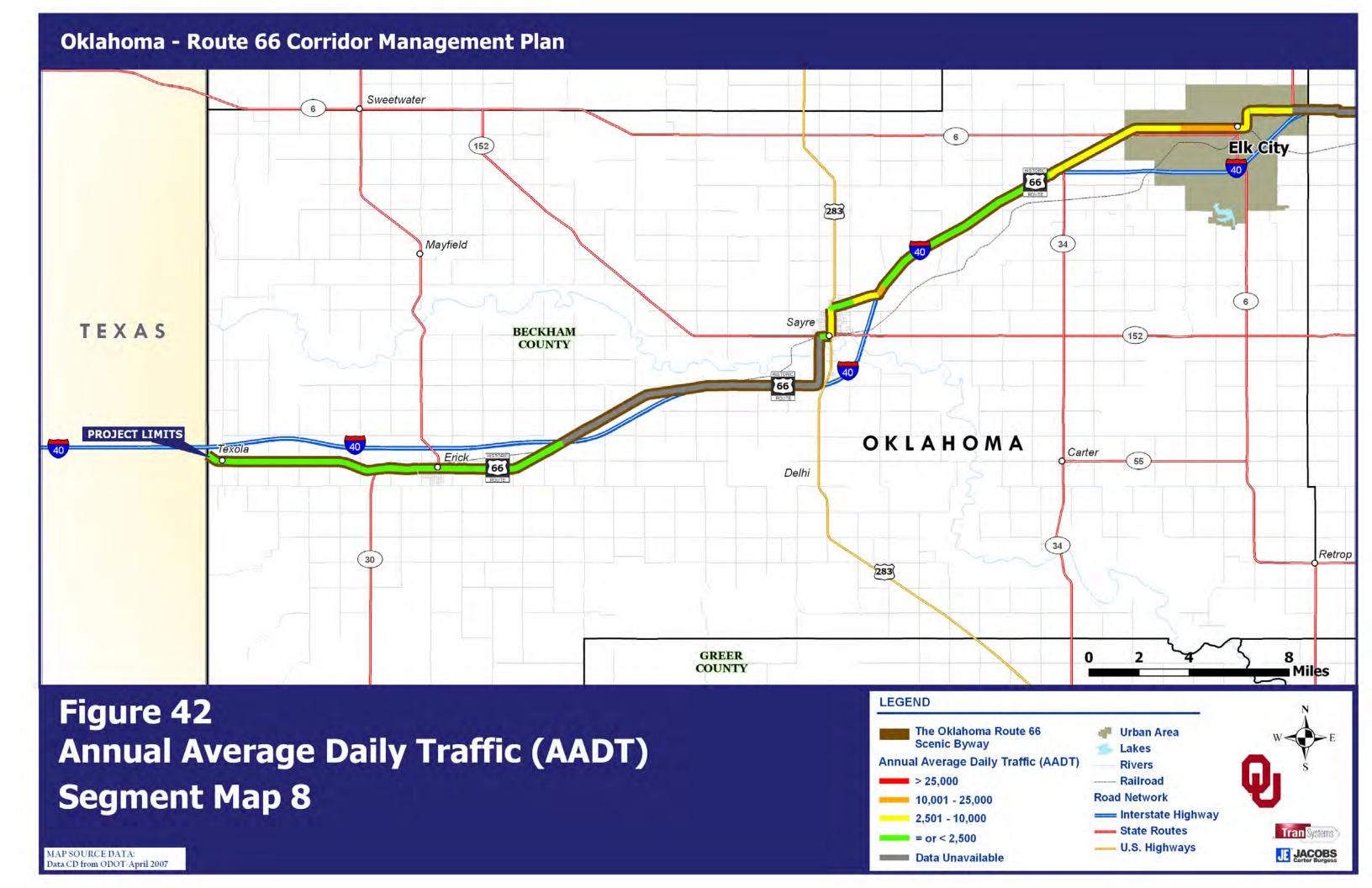
Oklahoma - Route 66 Corridor Management Plan Quay Sand Springs Lotsee Yale New Tulsa Alsuma Lawrence Creek Oakhurst 99 Tulsa 75 Broken Arrow 66 PAYNE Jenks COUNTY Drumright Cushing O Glenpool Kiefer Bixby CREEK COUNTY Leonard Shamrock TULSA COUNTY WAGONER Mounds OKLAHOMA COUNTY Liberty 99 [75] Bristow LINCOLN [75] COUNTY MUSCOGEE COUNTY Winchester Kendrick Slick **OCMULGEE** Beggs Preston Davenport Nuyaka 10 Figure 37 LEGEND The Oklahoma Route 66 Urban Area **Annual Average Daily Traffic (AADT)** Scenic Byway Lakes Annual Average Daily Traffic (AADT) Rivers Railroad **Segment Map 3** Road Network 10,001 - 25,000 Interstate Highway 2,501 - 10,000 Tran Systems State Routes = or < 2,500U.S. Highways JE JACOBS Carter Burgess MAP SOURCE DATA: Data Unavailable Data CD from ODOT-April 2007

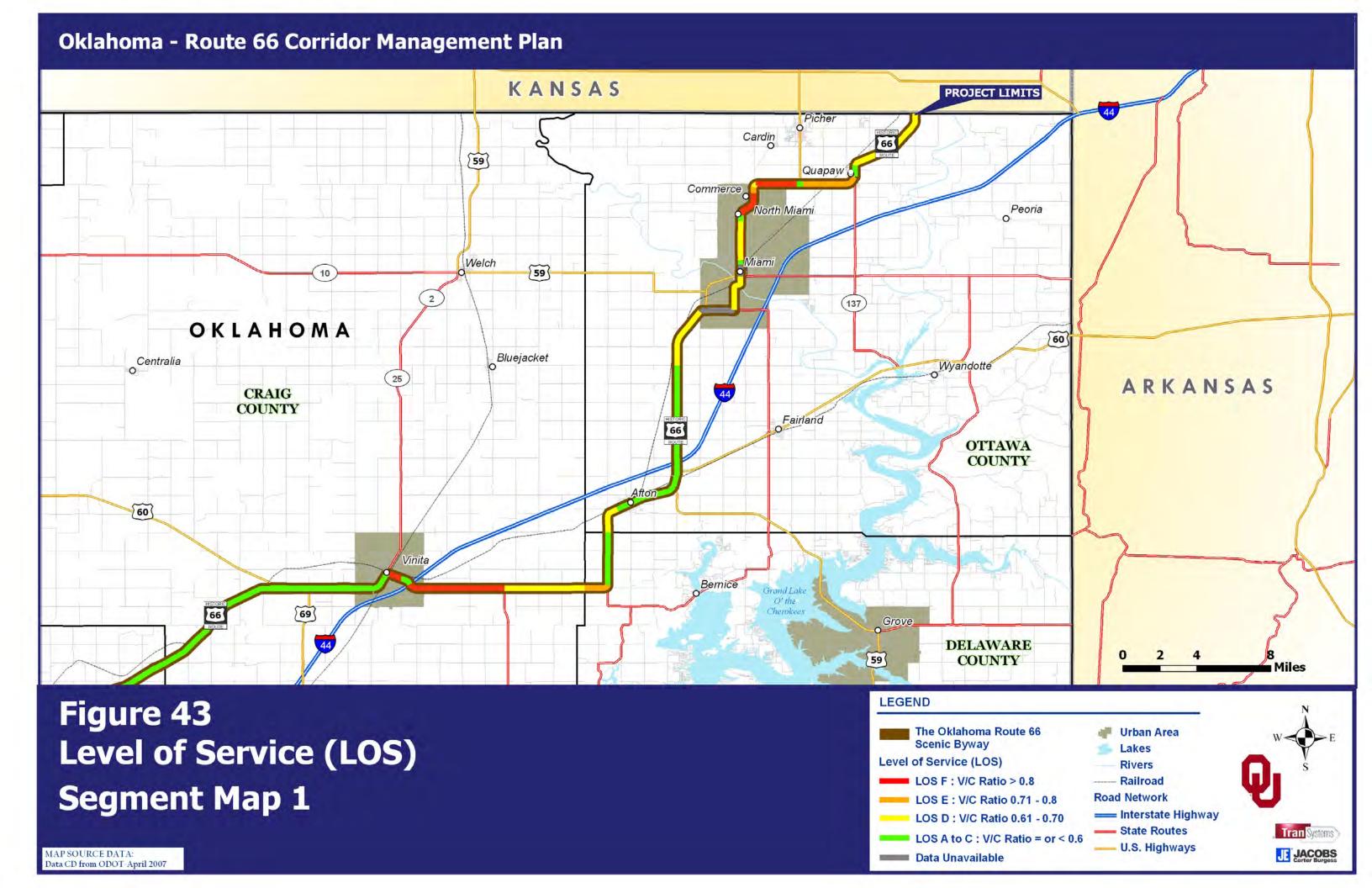
Oklahoma - Route 66 Corridor Management Plan Tryon 105 Meridian 18 Carney LOGAN Kendrick COUNTY Fallis Davenport CREEK Wellston 66 COUNTY Edmond Sparks OKLAHOMA 102 **OKFUSKEE** COUNTY OKLAHOMA The Village Lake Aluma LINCOLN Nichols Hills o Forest Park COUNTY Paden Nicoma Park Choctaw Prague **POTTAWATOMIE** McLoud. **Oklahoma City** COUNTY 10 Figure 38 LEGEND The Oklahoma Route 66 Urban Area **Annual Average Daily Traffic (AADT)** Scenic Byway Lakes Annual Average Daily Traffic (AADT) Rivers Railroad **>** 25,000 **Segment Map 4** Road Network 10,001 - 25,000 Interstate Highway 2,501 - 10,000 Tran Systems State Routes U.S. Highways JE JACOBS Carter Burgess MAP SOURCE DATA: Data Unavailable Data CD from ODOT-April 2007











Oklahoma - Route 66 Corridor Management Plan Pawhuska WASHINGTON COUNTY NOWATA 560 COUNTY Bernice Nelagoney Watova New Alluwe Ochelata CRAIG COUNTY 75 Wynona Chelsea Big Cabin Ramona **OSAGE** Pensacola COUNTY Oologah Strang MAYES ROGERS Skiatook Collinsville o Eucha COUNTY Hoot Owl 75 DELAWARE Osage COUNTY Colcord Sportsmen Acres O 0 OKLAHOMA (33) Westport 0 Chouteau Oaks 151) o New Tulsa **O** Mazie ADAIR Peggs COUNTY Tulsa CREEK 75 Moody 0 COUNTY 169 CHEROKEE COUNTY 0 2.5 5 10 WAGONER TULSA Miles COUNTY Christie **O** Wagoner Redbird LEGEND Figure 44 The Oklahoma Route 66 Urban Area **Level of Service (LOS)** Scenic Byway Lakes Level of Service (LOS) Rivers Railroad LOS F: V/C Ratio > 0.8 **Segment Map 2 Road Network** LOS E: V/C Ratio 0.71 - 0.8 Interstate Highway LOS D: V/C Ratio 0.61 - 0.70 Tran Systems State Routes LOS A to C : V/C Ratio = or < 0.6 U.S. Highways JE JACOBS Carter Burgess MAP SOURCE DATA: Data Unavailable Data CD from ODOT-April 2007

Oklahoma - Route 66 Corridor Management Plan Quay Sand Springs Lotsee Yale New Tulsa Alsuma Lawrence Creek Oilton Oakhurst 99 Tulsa 75 Broken Arrow PAYNE Jenks COUNTY Drumright Cushing O Glenpool Kiefer Bixby CREEK COUNTY Leonard Shamrock TULSA COUNTY WAGONER Mounds OKLAHOMA COUNTY Liberty 99 [75] Bristow LINCOLN [75] COUNTY MUSCOGEE COUNTY Winchester Kendrick 0 Slick **OCMULGEE** COUNTY 48 Beggs Preston Davenport Nuyaka 10 Miles Figure 45 LEGEND The Oklahoma Route 66 Urban Area **Level of Service (LOS)** Scenic Byway Lakes Level of Service (LOS) Rivers Railroad LOS F: V/C Ratio > 0.8 **Segment Map 3 Road Network** LOS E : V/C Ratio 0.71 - 0.8 Interstate Highway LOS D: V/C Ratio 0.61 - 0.70 Tran Systems State Routes LOS A to C : V/C Ratio = or < 0.6</p> U.S. Highways JE JACOBS Carter Burgess MAP SOURCE DATA: Data Unavailable Data CD from ODOT-April 2007

Oklahoma - Route 66 Corridor Management Plan Tryon 105 Meridian 18 Carney LOGAN Kendrick COUNTY Fallis Davenport CREEK Wellston 66 COUNTY Edmond Sparks OKLAHOMA 102 **OKFUSKEE** COUNTY OKLAHOMA O The Village Lake Aluma LINCOLN Nichols Hills o Forest Park COUNTY Paden Meeker Nicoma Park Choctaw Prague **POTTAWATOMIE** McLoud. **Oklahoma City** COUNTY 10 35 Valley Brook Figure 46 LEGEND The Oklahoma Route 66 Urban Area **Level of Service (LOS)** Scenic Byway Lakes Level of Service (LOS) Rivers Railroad LOS F: V/C Ratio > 0.8 **Segment Map 4 Road Network** LOS E: V/C Ratio 0.71 - 0.8 Interstate Highway LOS D: V/C Ratio 0.61 - 0.70 Tran Systems State Routes LOS A to C : V/C Ratio = or < 0.6</p> U.S. Highways JE JACOBS Carter Burgess MAP SOURCE DATA: Data Unavailable Data CD from ODOT-April 2007

