

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
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

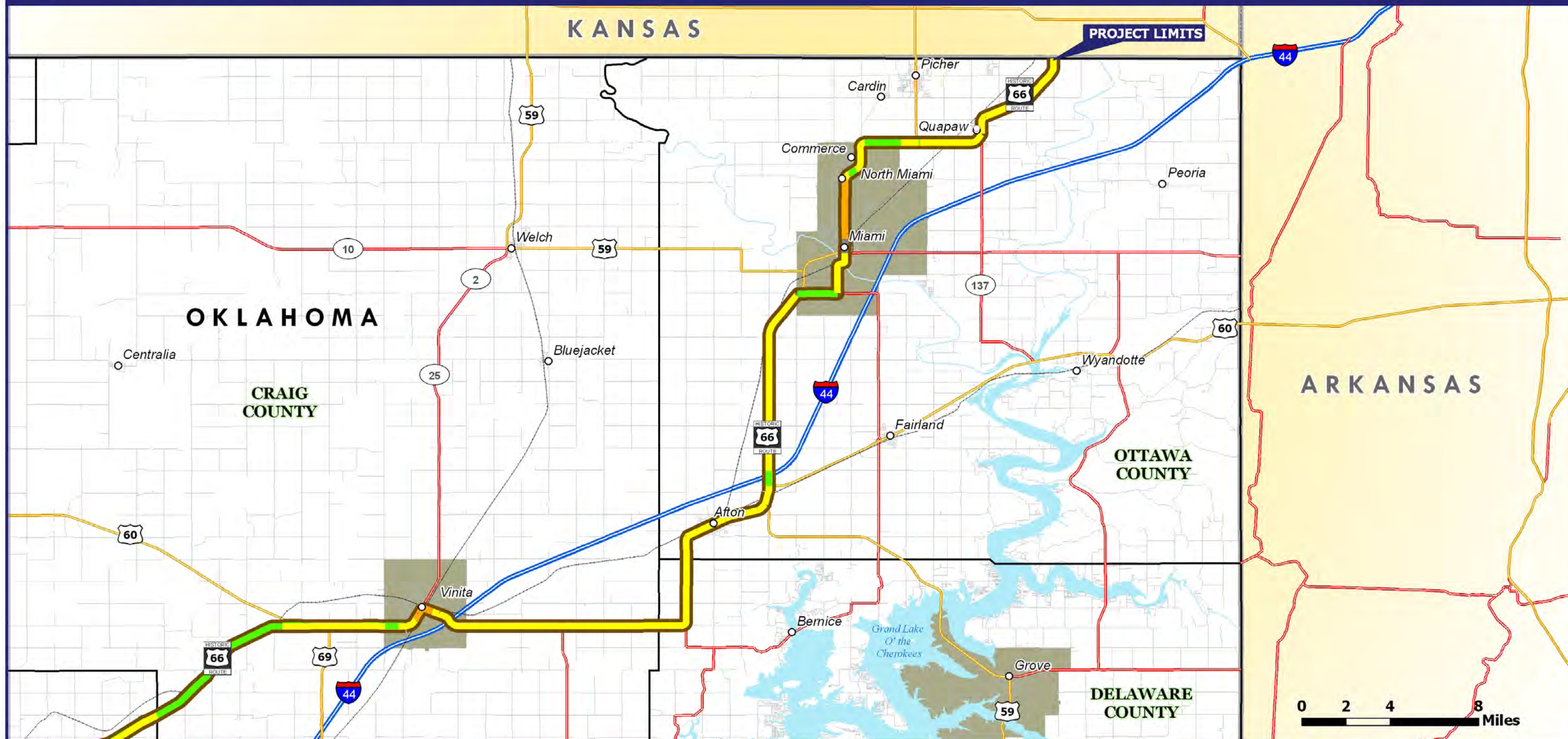


Figure 35
Annual Average Daily Traffic (AADT)
Segment Map 1

MAP SOURCE DATA:
 Data CD from ODOT April 2007

LEGEND

The Oklahoma Route 66 Scenic Byway

Annual Average Daily Traffic (AADT)

- > 25,000
- 10,001 - 25,000
- 2,501 - 10,000
- = or < 2,500
- Data Unavailable

Urban Area

Lakes

Rivers

Railroad

Road Network

Interstate Highway

State Routes

U.S. Highways



TranSystems

JE JACOBS
 Carter Burgess

Oklahoma - Route 66 Corridor Management Plan

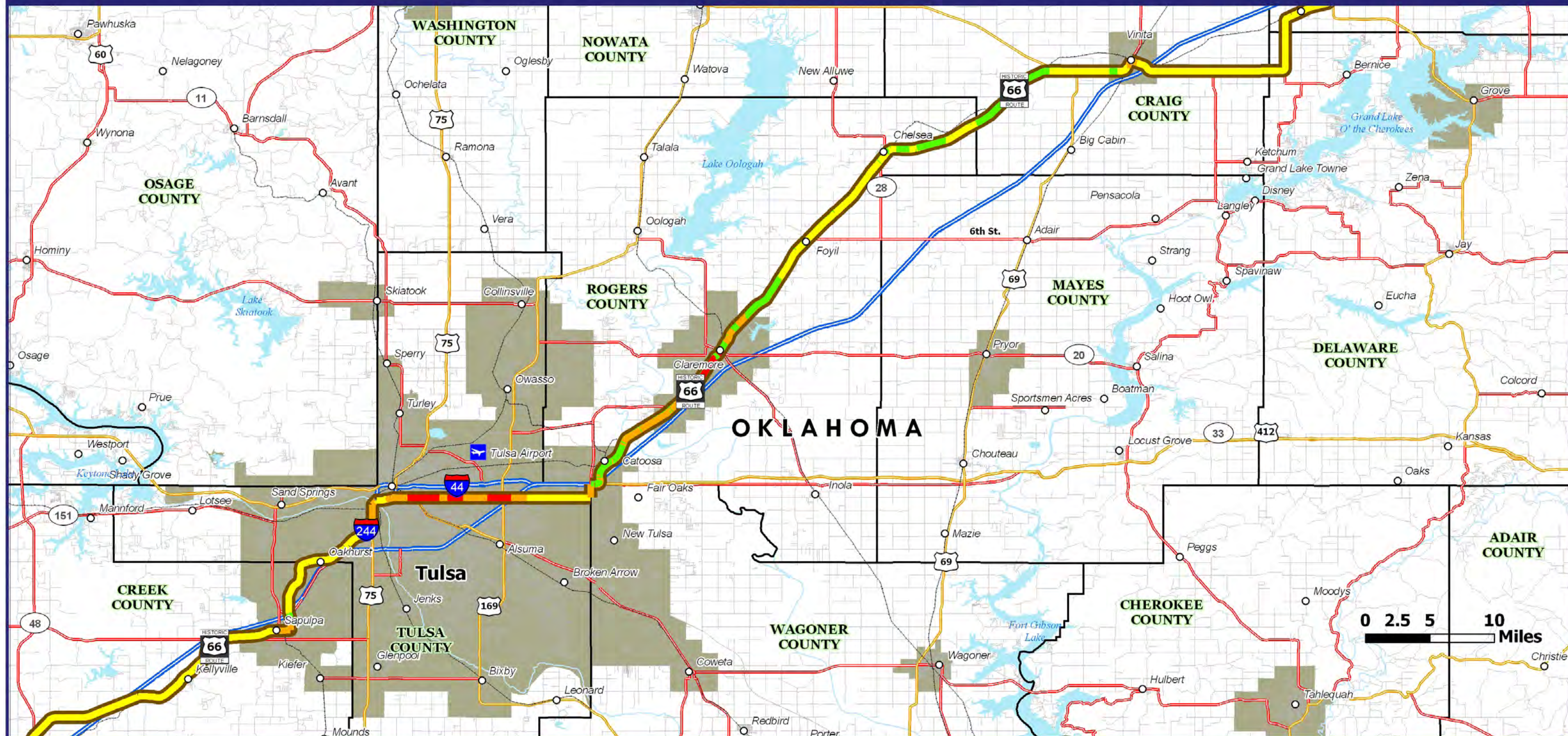


Figure 36
Annual Average Daily Traffic (AADT)
Segment Map 2

MAP SOURCE DATA:
 Data CD from ODOT - April 2007

LEGEND

The Oklahoma Route 66 Scenic Byway

Annual Average Daily Traffic (AADT)

- > 25,000
- 10,001 - 25,000
- 2,501 - 10,000
- = or < 2,500
- Data Unavailable

- Urban Area
- Lakes
- Rivers
- Railroad
- Road Network
- Interstate Highway
- State Routes
- U.S. Highways



Oklahoma - Route 66 Corridor Management Plan

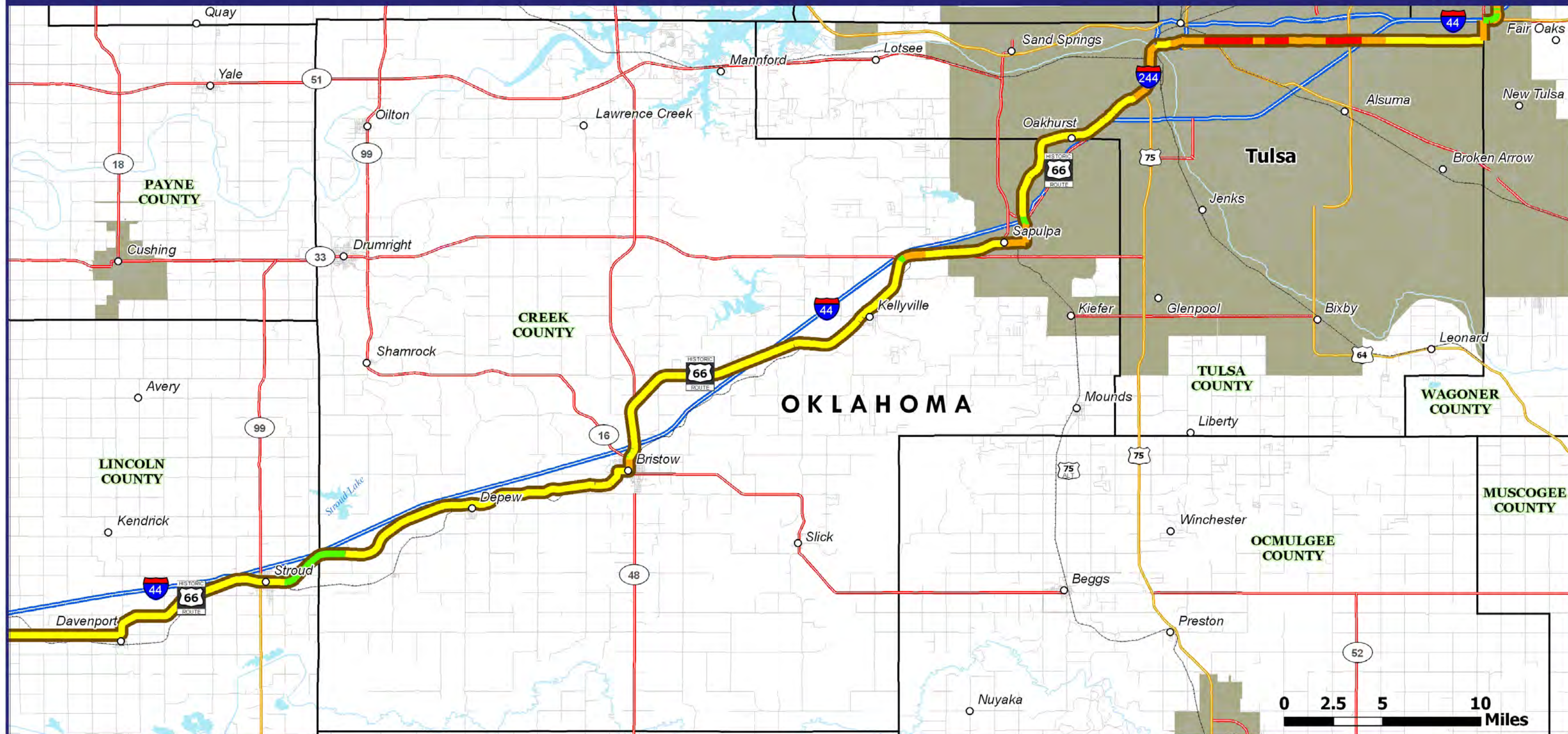


Figure 37
Annual Average Daily Traffic (AADT)
Segment Map 3

MAP SOURCE DATA:
 Data CD from ODOT - April 2007

LEGEND

The Oklahoma Route 66 Scenic Byway

Annual Average Daily Traffic (AADT)

> 25,000

10,001 - 25,000

2,501 - 10,000

= or < 2,500

Data Unavailable

Urban Area

Lakes

Rivers

Railroad

Road Network

Interstate Highway

State Routes

U.S. Highways



TranSystems

JE JACOBS
 Carter Burgess

Oklahoma - Route 66 Corridor Management Plan

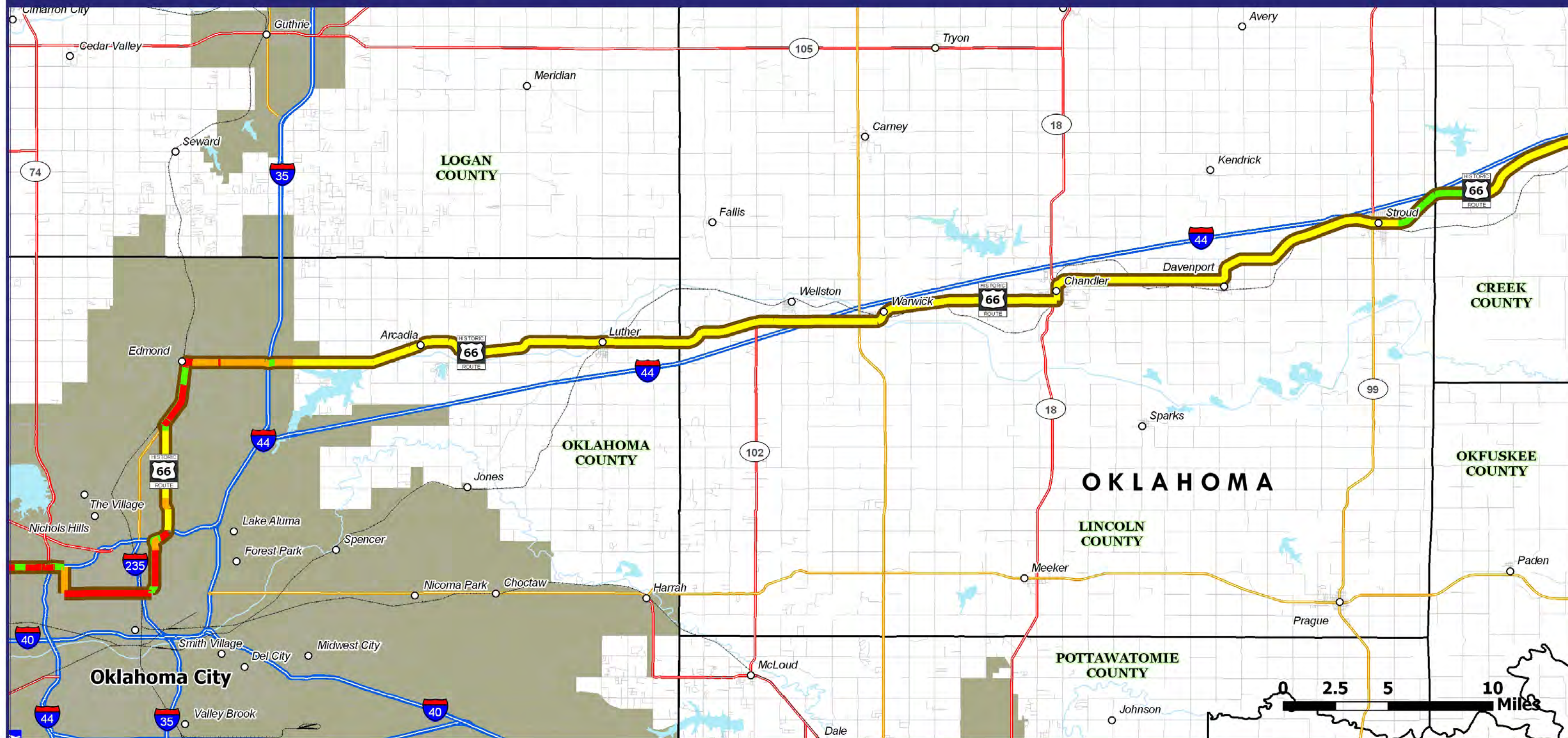


Figure 38
Annual Average Daily Traffic (AADT)
Segment Map 4

MAP SOURCE DATA:
 Data CD from ODOT-April 2007

LEGEND

The Oklahoma Route 66 Scenic Byway

Annual Average Daily Traffic (AADT)

- > 25,000
- 10,001 - 25,000
- 2,501 - 10,000
- = or < 2,500
- Data Unavailable

- Urban Area
- Lakes
- Rivers
- Railroad

Road Network

- Interstate Highway
- State Routes
- U.S. Highways



Oklahoma - Route 66 Corridor Management Plan

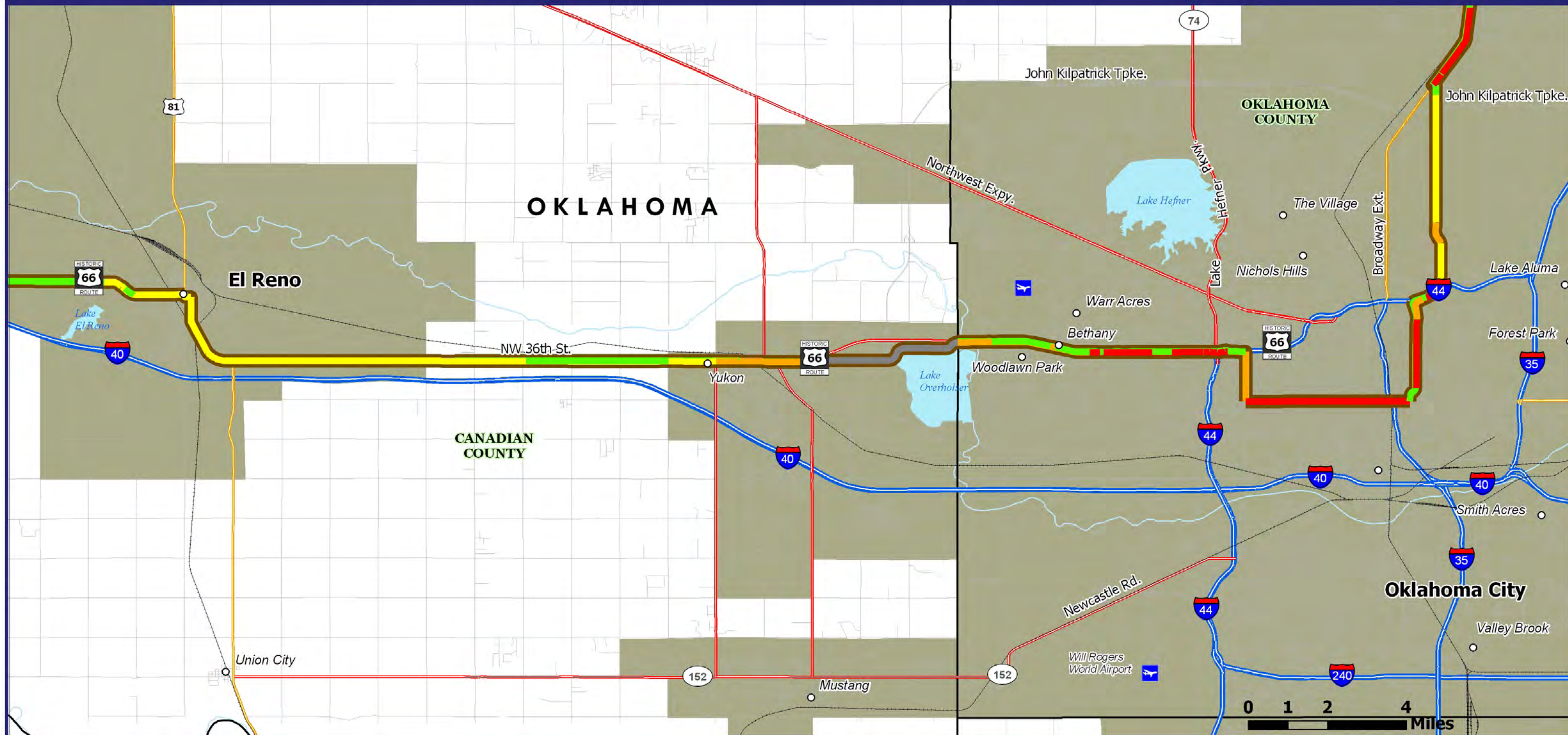


Figure 39
Annual Average Daily Traffic (AADT)
Segment Map 5

MAP SOURCE DATA:
 Data CD from ODOT - April 2007

LEGEND

The Oklahoma Route 66 Scenic Byway

Annual Average Daily Traffic (AADT)

- > 25,000
- 10,001 - 25,000
- 2,501 - 10,000
- = or < 2,500
- Data Unavailable

- Urban Area
- Lakes
- Rivers
- Railroad
- Road Network
- Interstate Highway
- State Routes
- U.S. Highways



Oklahoma - Route 66 Corridor Management Plan

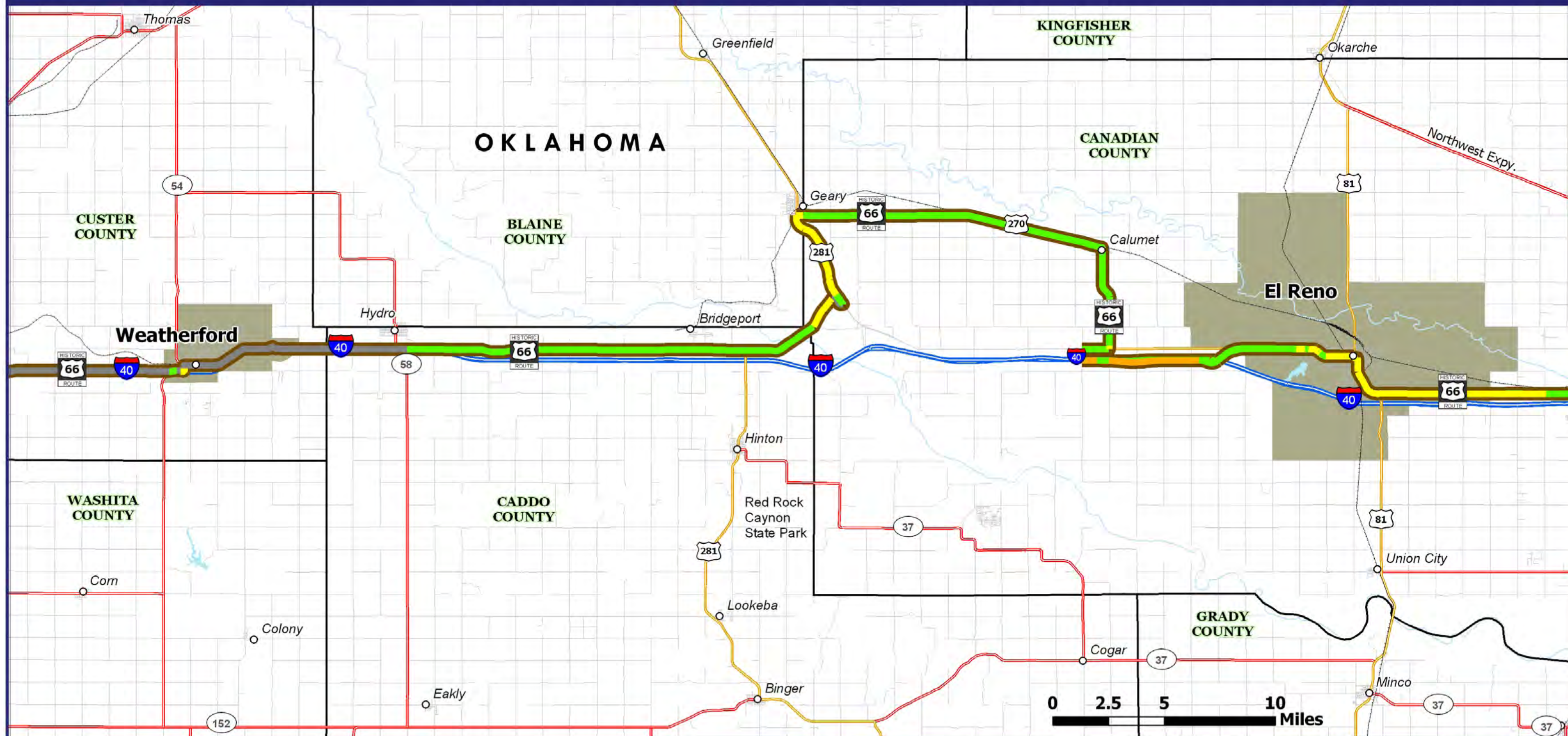


Figure 40
Annual Average Daily Traffic (AADT)
Segment Map 6

MAP SOURCE DATA:
 Data CD from ODOT April 2007

LEGEND

The Oklahoma Route 66 Scenic Byway

Annual Average Daily Traffic (AADT)

- > 25,000
- 10,001 - 25,000
- 2,501 - 10,000
- = or < 2,500
- Data Unavailable

Urban Area

Lakes

Rivers

Railroad

Road Network

Interstate Highway

State Routes

U.S. Highways



TranSystems

JE JACOBS
 Carter Burgess

Oklahoma - Route 66 Corridor Management Plan

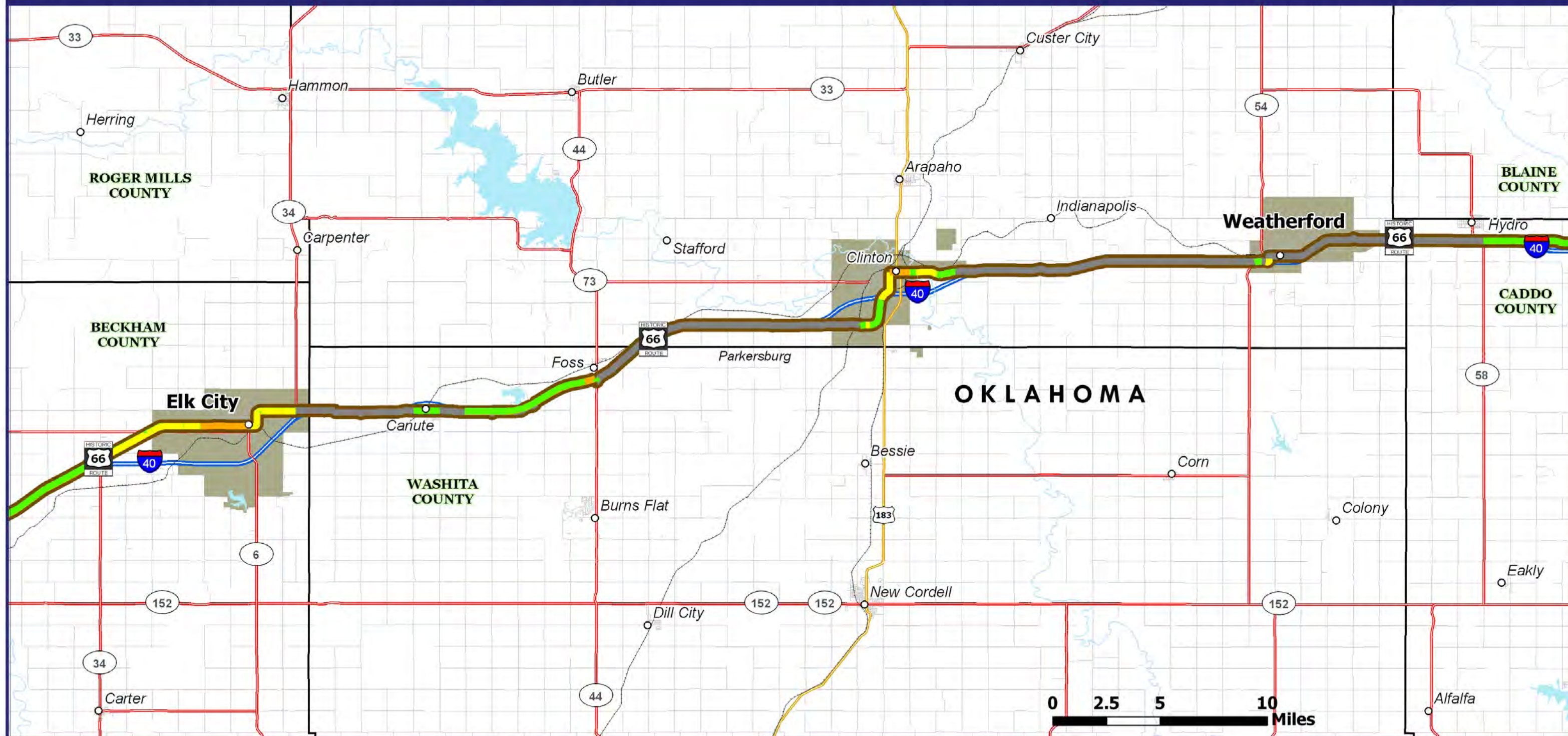


Figure 41
Annual Average Daily Traffic (AADT)
Segment Map 7

MAP SOURCE DATA:
 Data CD from ODOT - April 2007

LEGEND

The Oklahoma Route 66 Scenic Byway

Annual Average Daily Traffic (AADT)

- > 25,000
- 10,001 - 25,000
- 2,501 - 10,000
- = or < 2,500
- Data Unavailable

Urban Area

Lakes

Rivers

Railroad

Road Network

Interstate Highway

State Routes

U.S. Highways



TranSystems

JE JACOBS
 Carter Burgess

Oklahoma - Route 66 Corridor Management Plan

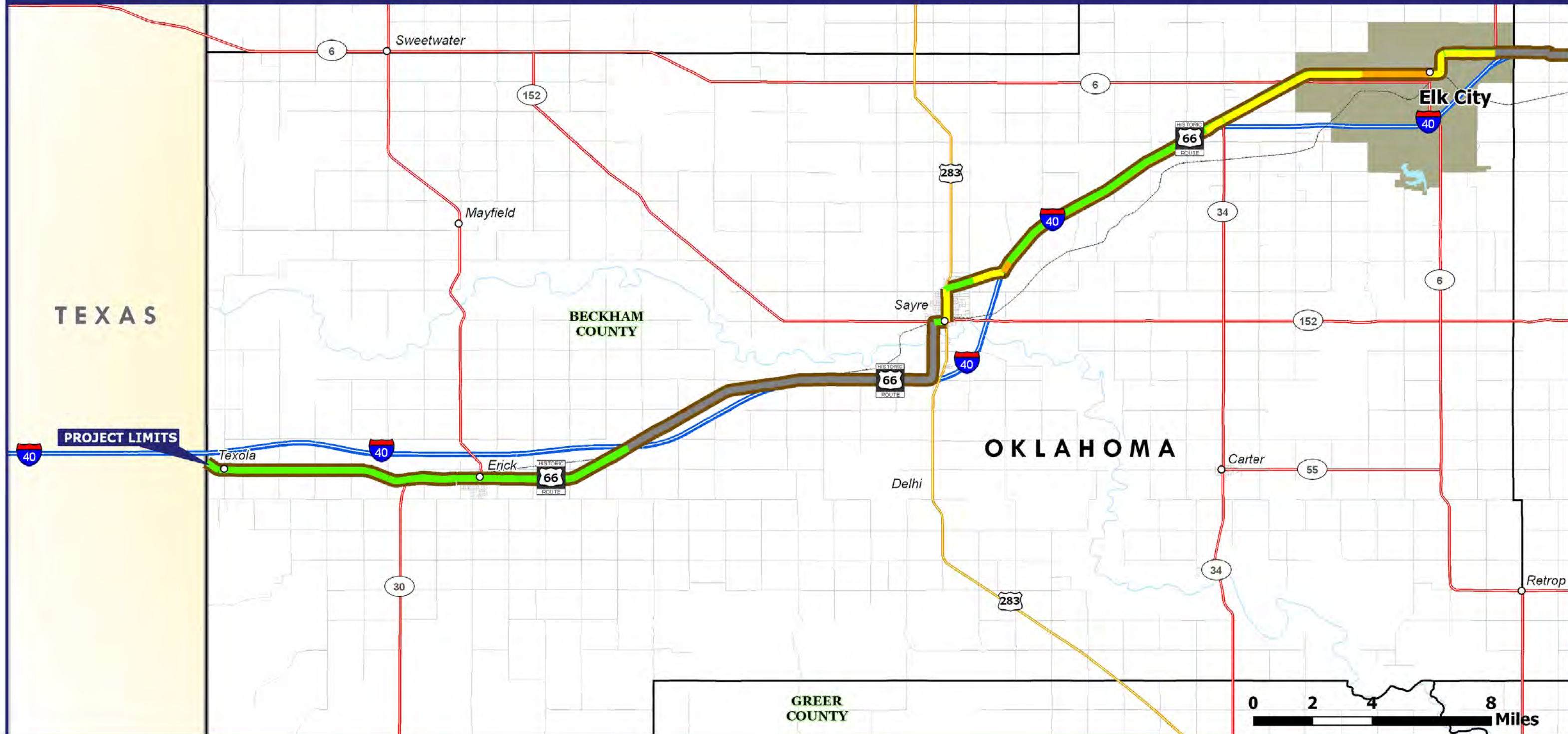


Figure 42
Annual Average Daily Traffic (AADT)
Segment Map 8

MAP SOURCE DATA:
 Data CD from ODOT April 2007

LEGEND

The Oklahoma Route 66 Scenic Byway

Annual Average Daily Traffic (AADT)

> 25,000

10,001 - 25,000

2,501 - 10,000

= or < 2,500

Data Unavailable

Urban Area

Lakes

Rivers

Railroad

Road Network

Interstate Highway

State Routes

U.S. Highways



Oklahoma - Route 66 Corridor Management Plan

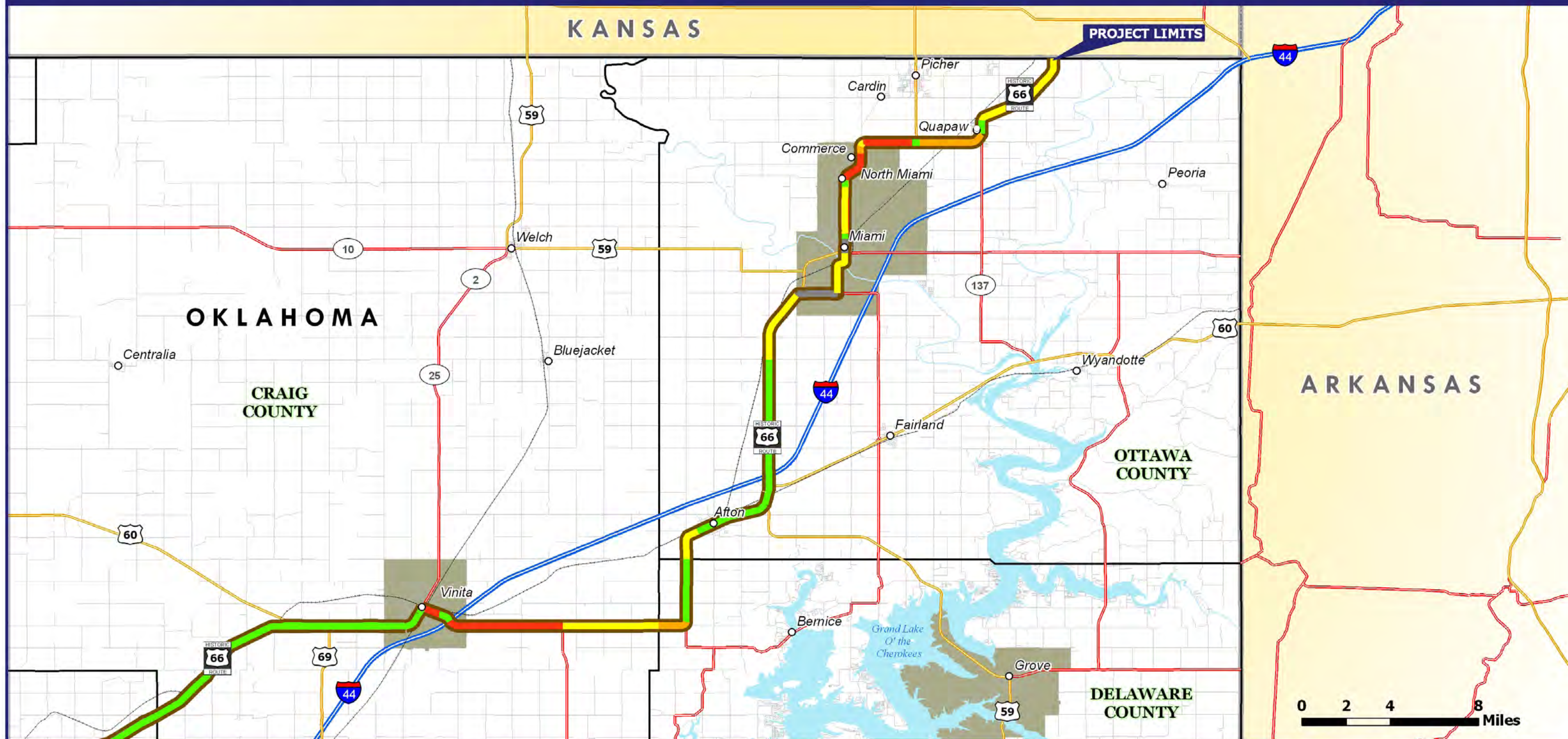


Figure 43
Level of Service (LOS)
Segment Map 1

MAP SOURCE DATA:
Data CD from ODOT - April 2007

LEGEND

The Oklahoma Route 66 Scenic Byway

Level of Service (LOS)

LOS F : V/C Ratio > 0.8

LOS E : V/C Ratio 0.71 - 0.8

LOS D : V/C Ratio 0.61 - 0.70

LOS A to C : V/C Ratio = or < 0.6

Data Unavailable

Urban Area

Lakes

Rivers

Railroad

Road Network

Interstate Highway

State Routes

U.S. Highways



TranSystems

JE JACOBS
Carter Burgess

Oklahoma - Route 66 Corridor Management Plan

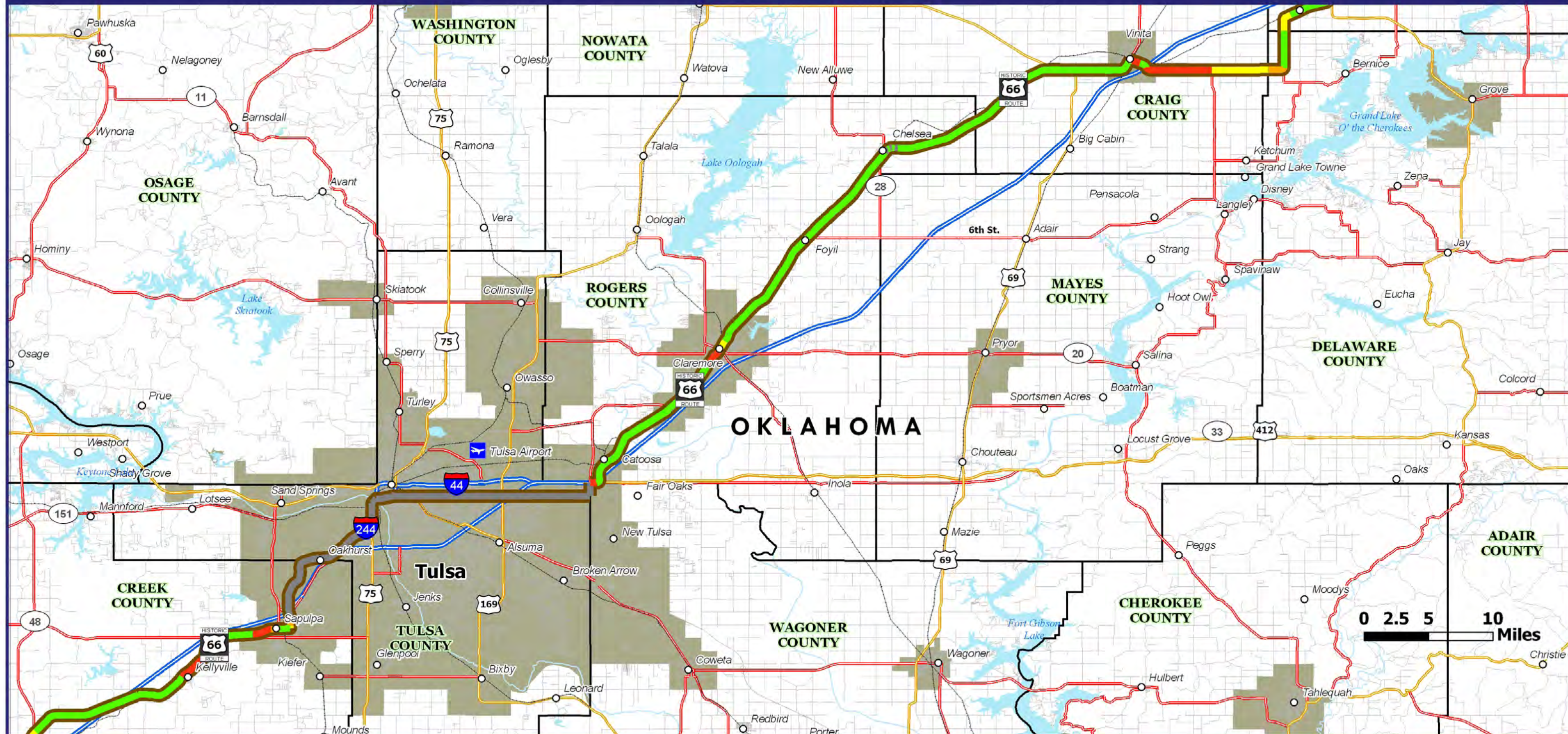


Figure 44
Level of Service (LOS)
Segment Map 2

MAP SOURCE DATA:
 Data CD from ODOT - April 2007

LEGEND

The Oklahoma Route 66 Scenic Byway

Level of Service (LOS)

LOS F : V/C Ratio > 0.8

LOS E : V/C Ratio 0.71 - 0.8

LOS D : V/C Ratio 0.61 - 0.70

LOS A to C : V/C Ratio = or < 0.6

Data Unavailable

Urban Area

Lakes

Rivers

Railroad

Road Network

Interstate Highway

State Routes

U.S. Highways



TranSystems
JE JACOBS
 Carter Burgess

Oklahoma - Route 66 Corridor Management Plan

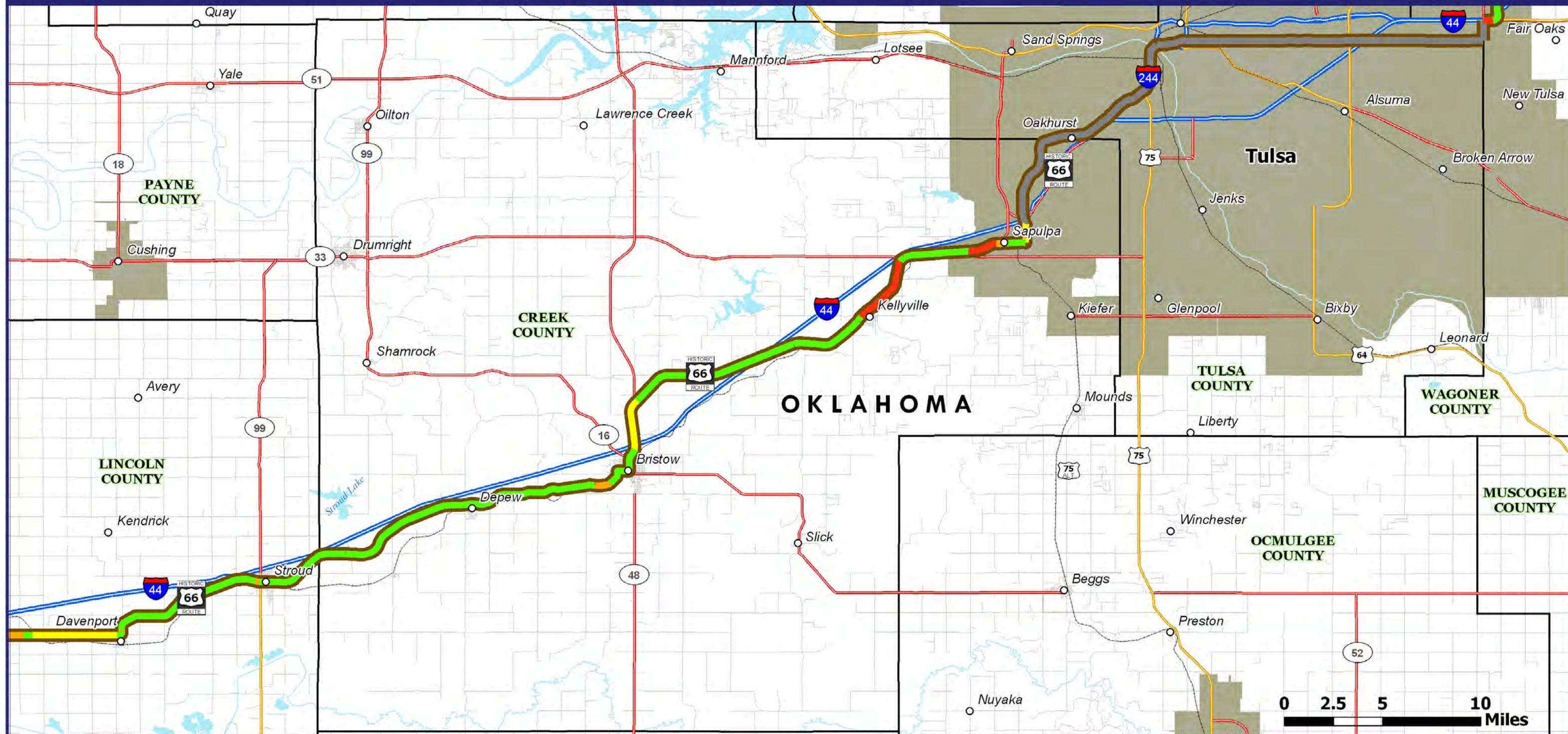


Figure 45
Level of Service (LOS)
Segment Map 3

MAP SOURCE DATA:
Data CD from ODOT - April 2007

LEGEND

The Oklahoma Route 66 Scenic Byway

Level of Service (LOS)

LOS F : V/C Ratio > 0.8

LOS E : V/C Ratio 0.71 - 0.8

LOS D : V/C Ratio 0.61 - 0.70

LOS A to C : V/C Ratio = or < 0.6

Data Unavailable

Urban Area

Lakes

Rivers

Railroad

Road Network

Interstate Highway

State Routes

U.S. Highways



TranSystems
JE JACOBS
Carter Burgess

Oklahoma - Route 66 Corridor Management Plan

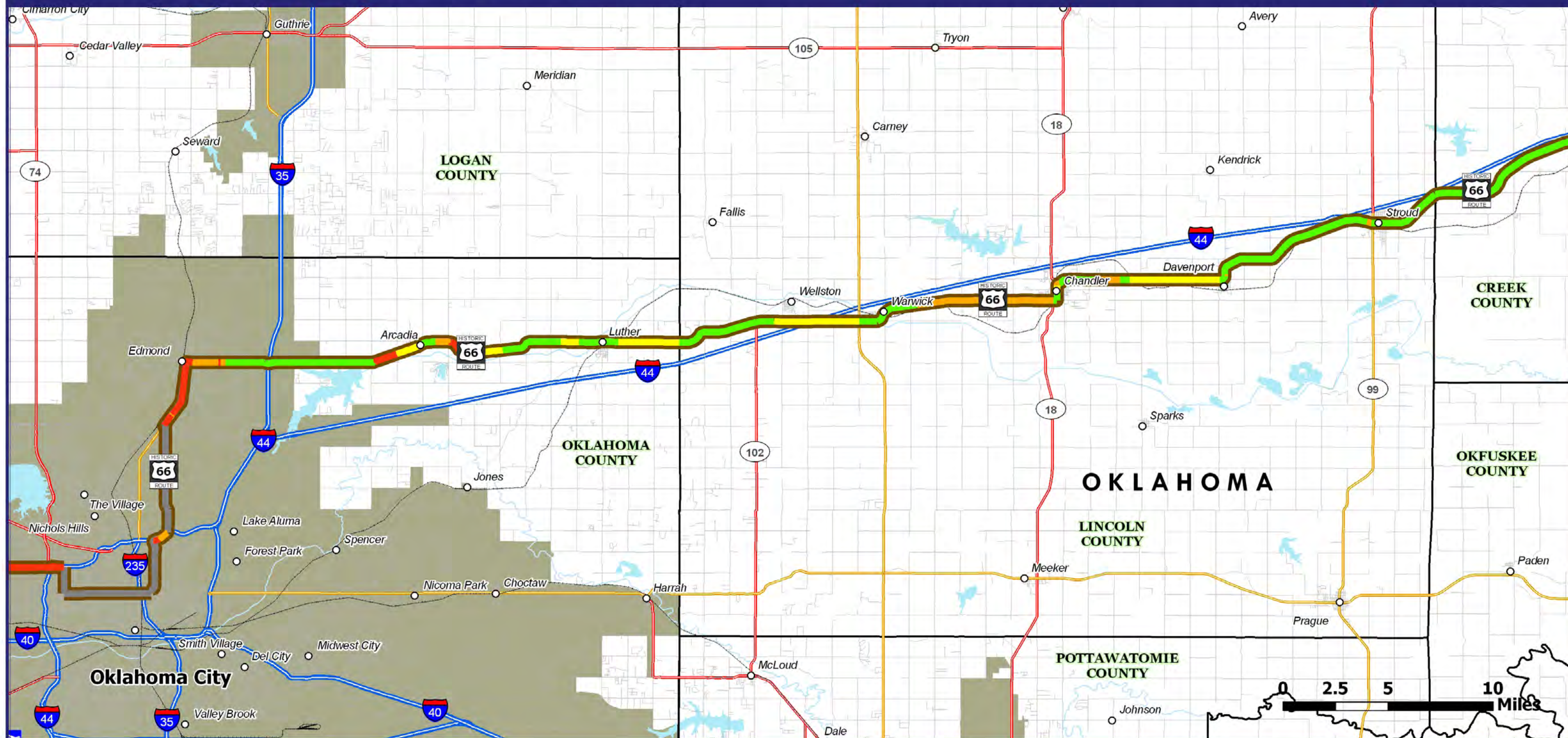


Figure 46
Level of Service (LOS)
Segment Map 4

MAP SOURCE DATA:
Data CD from ODOT - April 2007

LEGEND

The Oklahoma Route 66 Scenic Byway

Level of Service (LOS)

LOS F : V/C Ratio > 0.8

LOS E : V/C Ratio 0.71 - 0.8

LOS D : V/C Ratio 0.61 - 0.70

LOS A to C : V/C Ratio = or < 0.6

Data Unavailable

Urban Area

Lakes

Rivers

Railroad

Road Network

Interstate Highway

State Routes

U.S. Highways



Oklahoma - Route 66 Corridor Management Plan

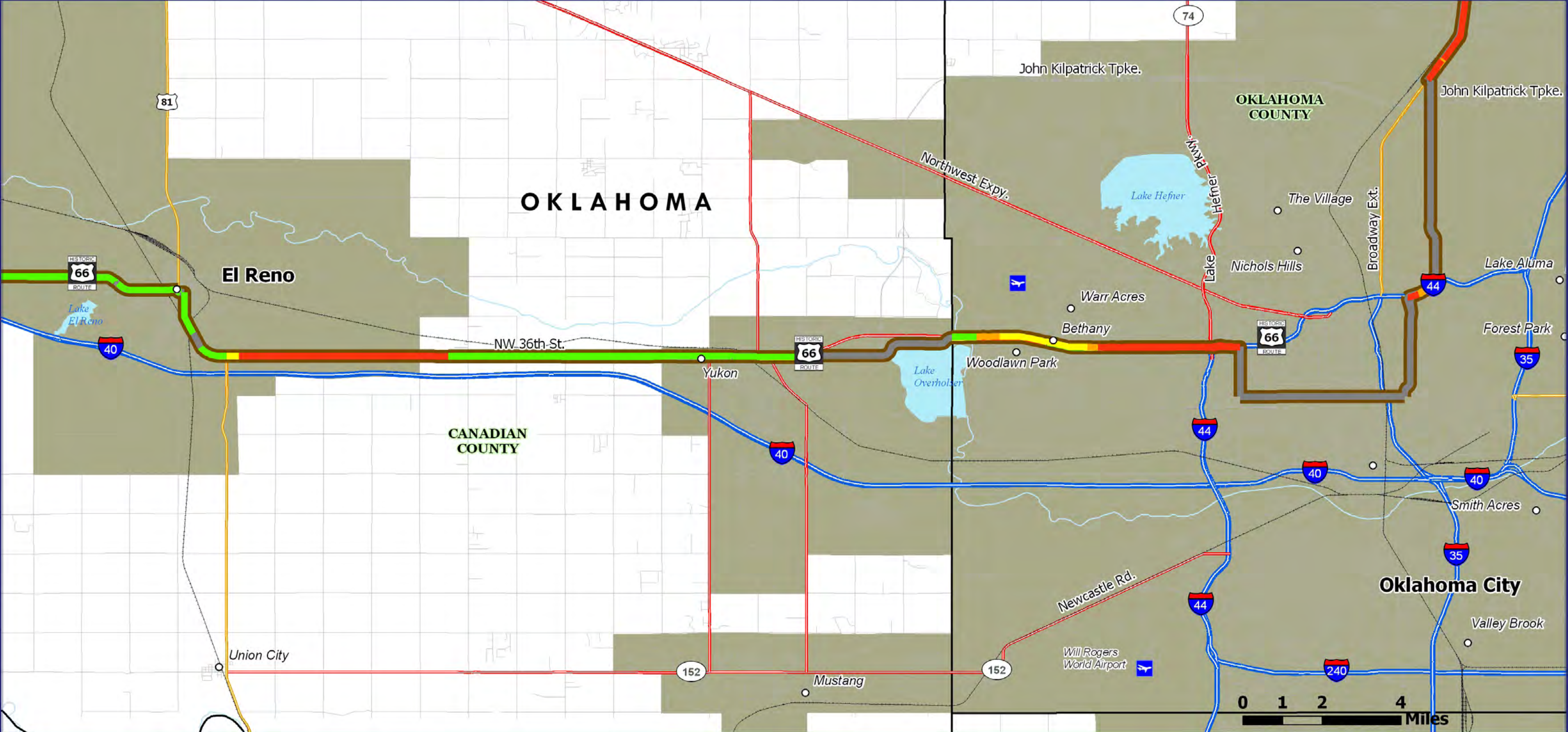


Figure 47
Level of Service (LOS)
Segment Map 5

MAP SOURCE DATA:
Data CD from ODOT - April 2007

LEGEND

- The Oklahoma Route 66 Scenic Byway
- Level of Service (LOS)**
 - LOS F : V/C Ratio > 0.8
 - LOS E : V/C Ratio 0.71 - 0.8
 - LOS D : V/C Ratio 0.61 - 0.70
 - LOS A to C : V/C Ratio = or < 0.6
 - Data Unavailable
- Urban Area
- Lakes
- Rivers
- Railroad
- Road Network**
 - Interstate Highway
 - State Routes
 - U.S. Highways



Oklahoma - Route 66 Corridor Management Plan

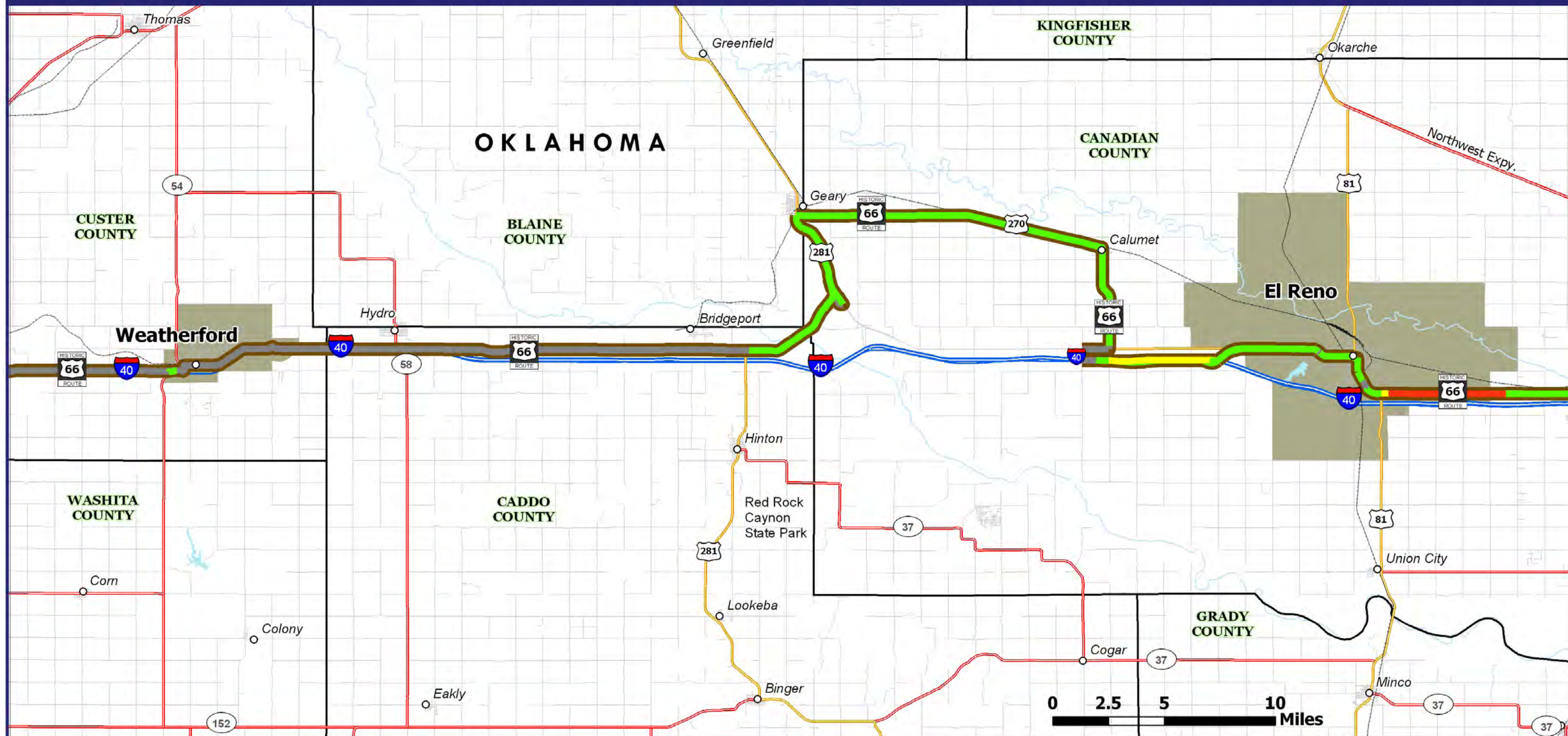


Figure 48
Level of Service (LOS)
Segment Map 6

MAP SOURCE DATA:
Data CD from ODOT - April 2007

LEGEND

The Oklahoma Route 66 Scenic Byway

Level of Service (LOS)

LOS F : V/C Ratio > 0.8

LOS E : V/C Ratio 0.71 - 0.8

LOS D : V/C Ratio 0.61 - 0.70

LOS A to C : V/C Ratio = or < 0.6

Data Unavailable

Urban Area

Lakes

Rivers

Railroad

Road Network

Interstate Highway

State Routes

U.S. Highways



TranSystems

JE JACOBS
Carter Burgess

Oklahoma - Route 66 Corridor Management Plan

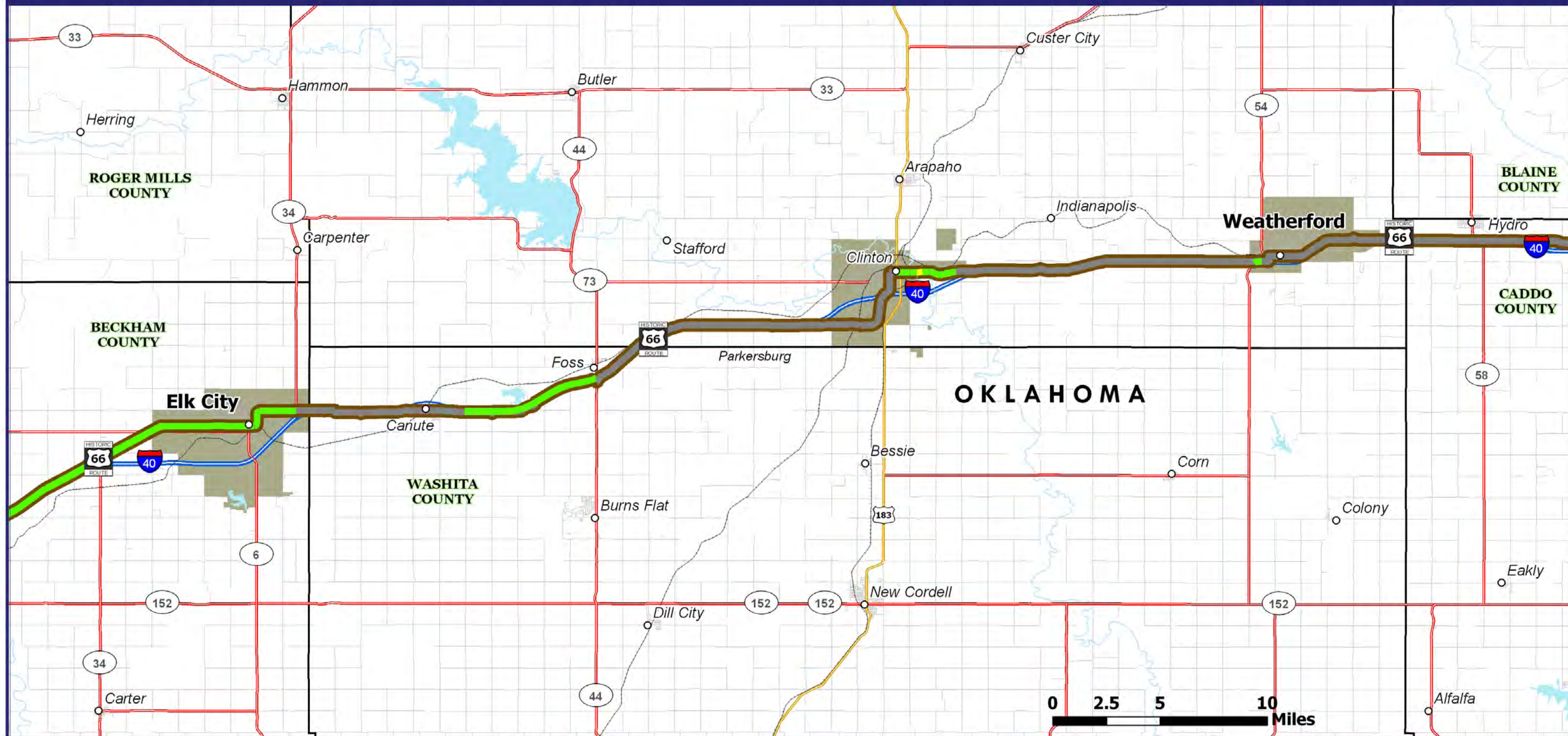


Figure 49
Level of Service (LOS)
Segment Map 7

MAP SOURCE DATA:
Data CD from ODOT April 2007

LEGEND

The Oklahoma Route 66 Scenic Byway

Level of Service (LOS)

LOS F : V/C Ratio > 0.8

LOS E : V/C Ratio 0.71 - 0.8

LOS D : V/C Ratio 0.61 - 0.70

LOS A to C : V/C Ratio = or < 0.6

Data Unavailable

Urban Area

Lakes

Rivers

Railroad

Road Network

Interstate Highway

State Routes

U.S. Highways



TranSystems

JE JACOBS
Carter Burgess

Oklahoma - Route 66 Corridor Management Plan

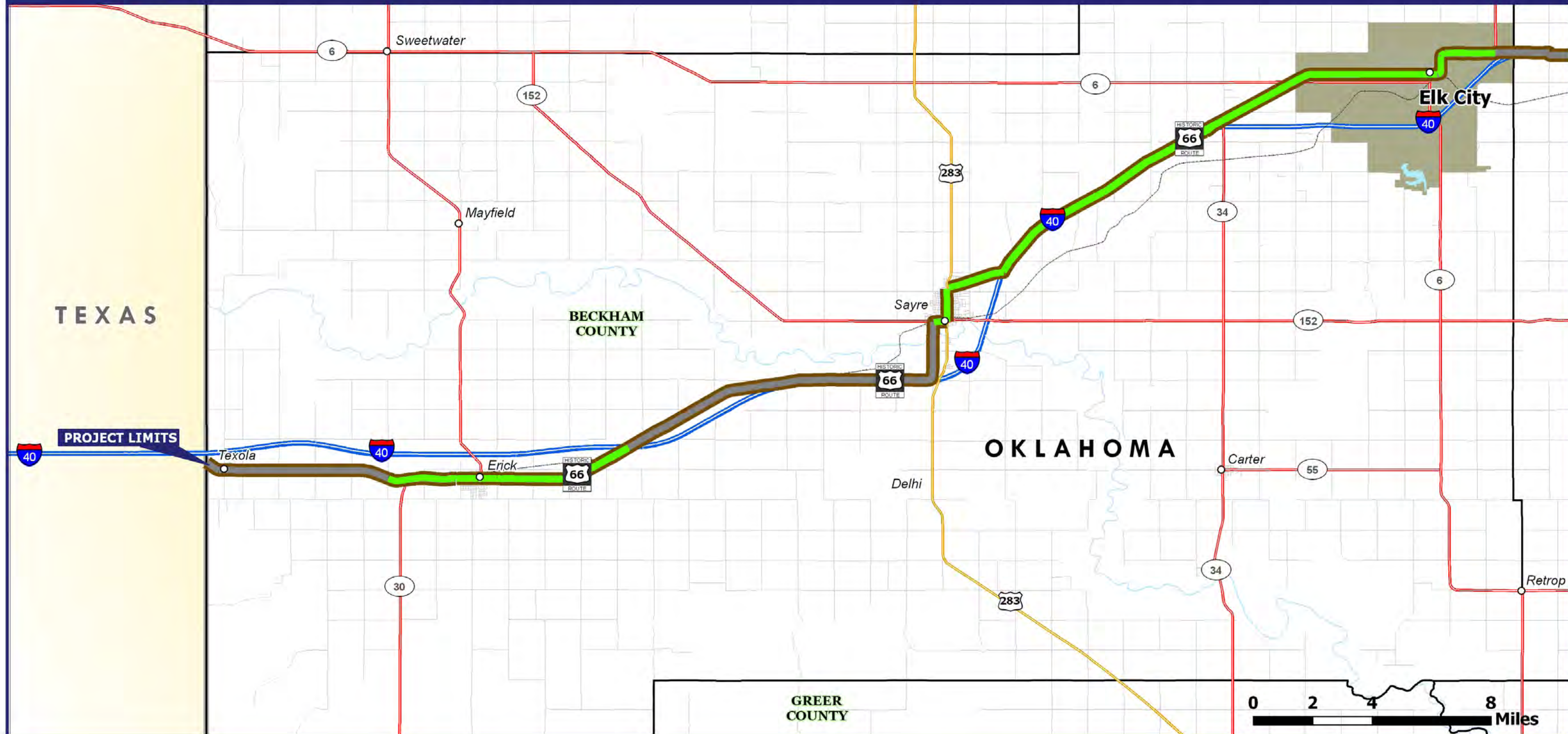


Figure 50
Level of Service (LOS)
Segment Map 8

MAP SOURCE DATA:
 Data CD from ODOT April 2007

LEGEND

The Oklahoma Route 66 Scenic Byway

Level of Service (LOS)

LOS F : V/C Ratio > 0.8

LOS E : V/C Ratio 0.71 - 0.8

LOS D : V/C Ratio 0.61 - 0.70

LOS A to C : V/C Ratio = or < 0.6

Data Unavailable

Urban Area

Lakes

Rivers

Railroad

Road Network

Interstate Highway

State Routes

U.S. Highways

