

WELCOME

I-44 Purpose & Need Study



PUBLIC MEETINGS

WEDNESDAY, JULY 17

4–7 p.m., St. Clair City Hall

THURSDAY, JULY 18

5–7 p.m., Rolla City Hall

TUESDAY, JULY 23

4:30–6 p.m., Joplin Public Library

THURSDAY, JULY 25

4:30–6 p.m., Crossway Baptist Church, Springfield

WEDNESDAY, AUG. 14

4–7 p.m., The Wallace Center, Lebanon

MoDOT intends to adopt, or incorporate by reference, information from this study into subsequent NEPA studies.



I-44 Purpose & Need Study



Missouri Department of Transportation



PROJECT OVERVIEW

I-44 is a vital east-west link across Missouri. It was completed in 1966 and has become a route of statewide and national importance. Now more than 1.2 million cars and trucks travel I-44 every month.

A 2008 study showed the aging route needs additional capacity to meet the increased travel demand. Additionally, since the highway was built more than 50 years ago, the evolving engineering standards, types and sizes of vehicles, and safety components mean many portions of I-44 are inconsistent with current design standards.

The Forward 44 project is an effort to update and validate the outcomes of that 2008 I-44 Statewide Purpose and Need Study and to provide the opportunity for input from stakeholders and the public along the I-44 corridor.

This study is a critical step to preparing for future projects on I-44.

MoDOT intends to adopt, or incorporate by reference, information from this study into subsequent NEPA studies.



WHAT'S HAPPENING



The study began during the summer of 2024 and will conclude during the winter of 2025. The resulting information will inform the National Environmental Policy Act (NEPA) studies that follow.

FORWARD 44 TIMELINE

Summer to Fall

2024

- Public Meetings
- Quarterly Stakeholder Meetings
- Draft Purpose & Need Document

Late 2024 to Early

2025

- Conceptual Construction Cost Estimates and Benefit/Cost Analysis
- Final Purpose & Need Document

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I-44 Purpose & Need Study



Missouri Department of Transportation



Planned Improvements

Oklahoma State Line to Franklin/St. Louis County Line

- Awarded** - \$197.4 million
- Planned** - \$324.7 million
- Unfunded** - \$4.3 billion - \$8.3 billion

\$20 million study of 252 miles (two sections)




FRANKLIN/ST. LOUIS COUNTY LINE TO ILLINOIS STATE LINE

\$52 million	\$80.7 million	\$200 million
 \$9.9 million: Various bridge rehabilitations in St. Louis County	 \$44 million Interchange improvements (Murdoch to Vandeventer) in St. Louis County	 \$120 million Interchange improvements from I-55 to I-70 in St. Louis City

SECTION 2: ST. ROBERT TO FRANKLIN/ST. LOUIS COUNTY LINE

\$72.4 million	\$30 million	\$1.5 billion - \$3 billion
 \$55.8 million: Pavement resurfacing and rebuild in Phelps County	 \$8.5 million Pavement resurfacing in Franklin County	 \$9.4 million Interchange improvements and new bridge over Rte. 50

SECTION 1: OKLAHOMA STATE LINE TO ST. ROBERT

\$73 million	\$214 million	\$2.5 billion - \$5 billion
 \$45.5 million: Bridge improvements in various southwestern counties	 \$31.4 million Roadway improvements at I-49 and Rte. 59 interchange near Fidelity	 \$71.3 million Lane additions and bridge replacements in Springfield



Missouri's FY2024 budget signed into law by Gov. Parson provides \$20 million of General Revenue for an environmental study of more than 250 miles of the I-44 corridor from the Oklahoma state line to the Franklin County/St. Louis County line. This study is a critical step to preparing for future projects on I-44.



modot.org/forward44

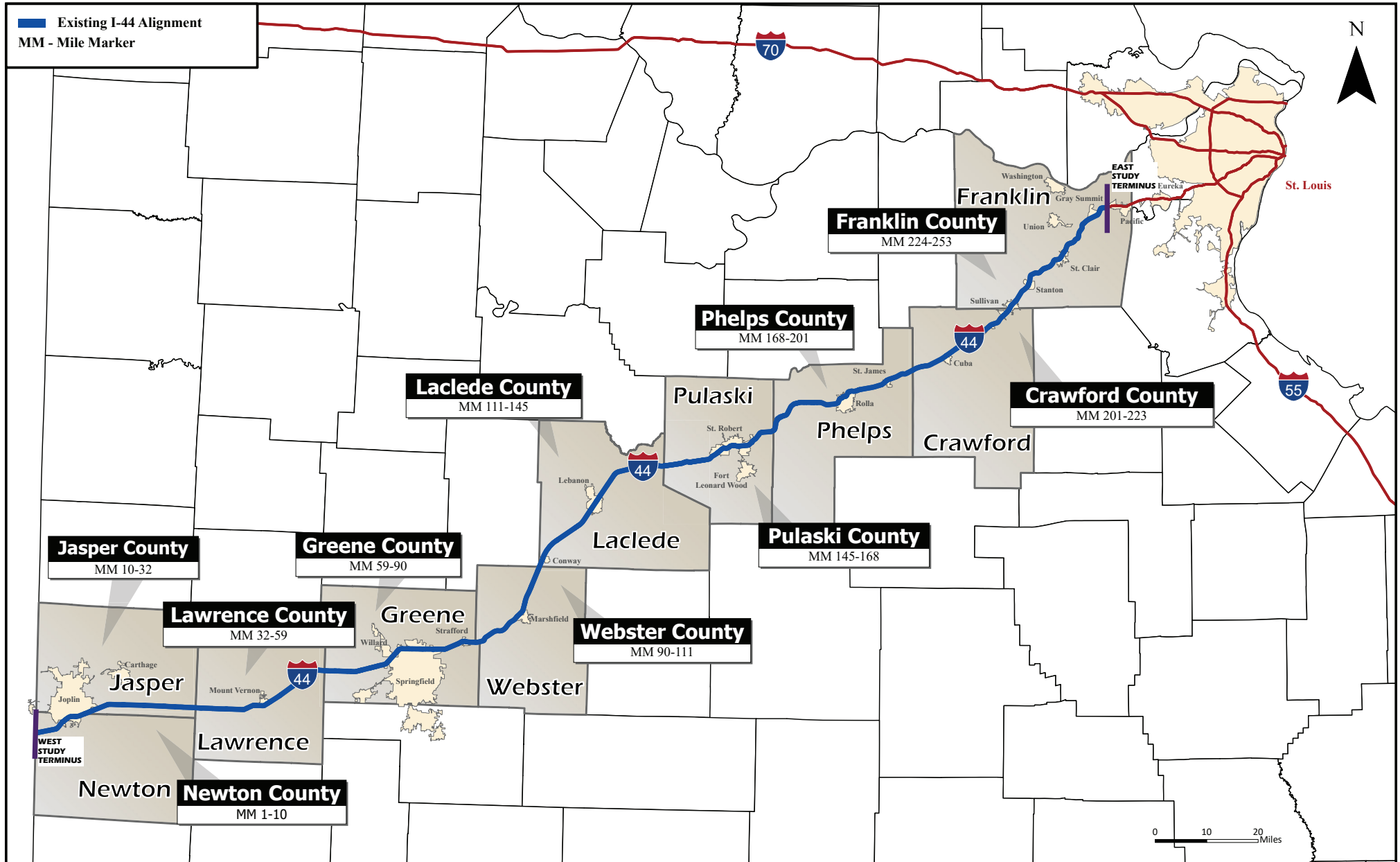


I-44 Purpose & Need Study



Missouri Department of Transportation

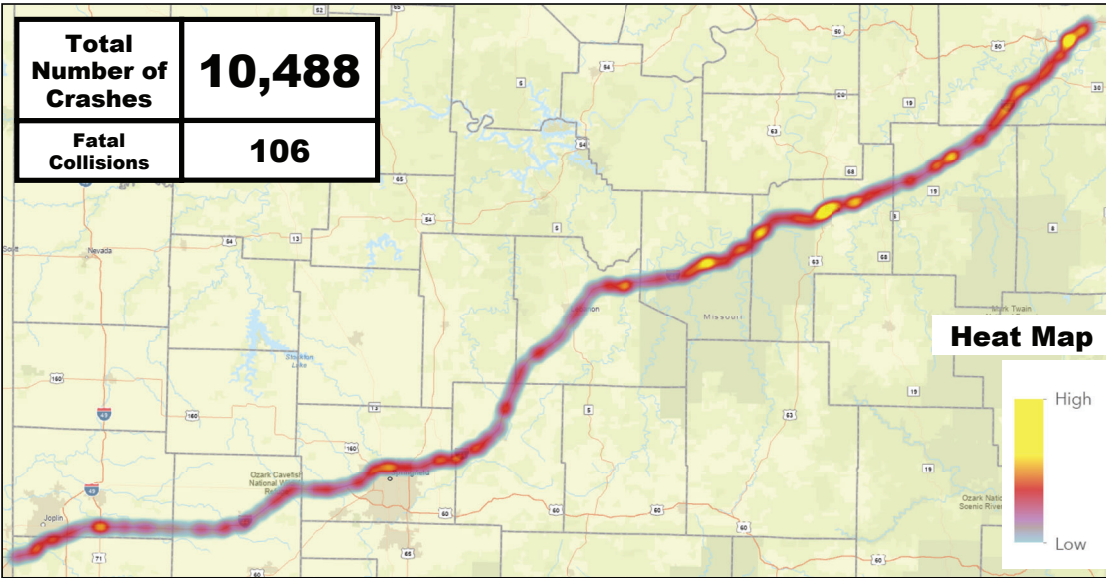
Forward 44 Study Area



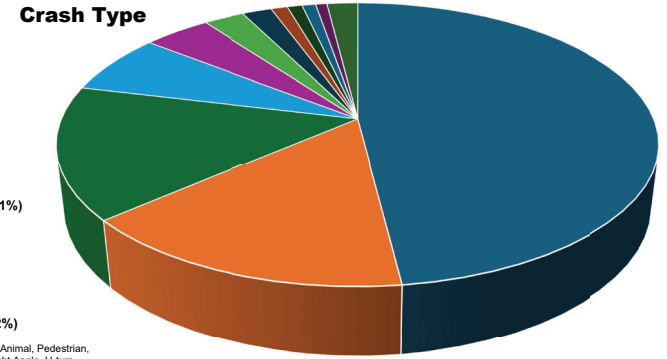
MoDOT intends to adopt, or incorporate by reference, information from this study into subsequent NEPA studies.

Forward 44 Study - Entire Segment Mainline Crashes

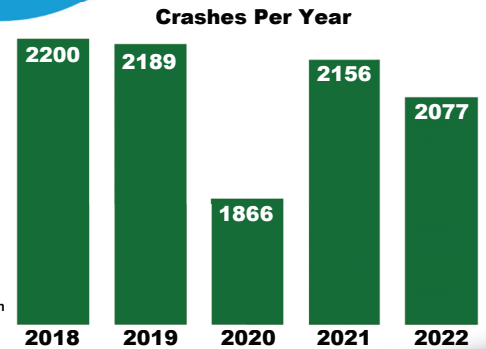
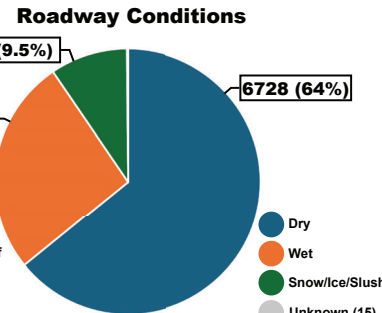
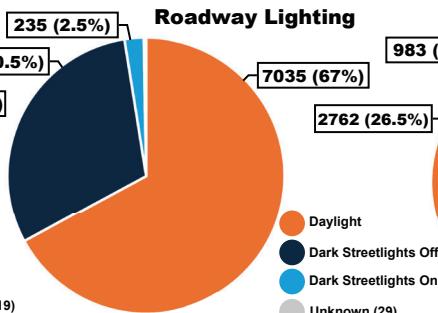
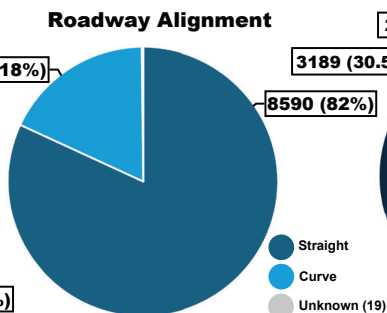
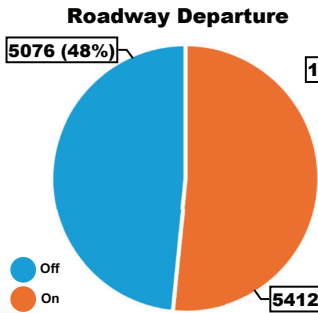
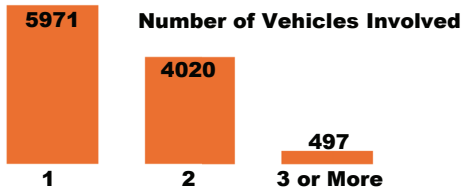
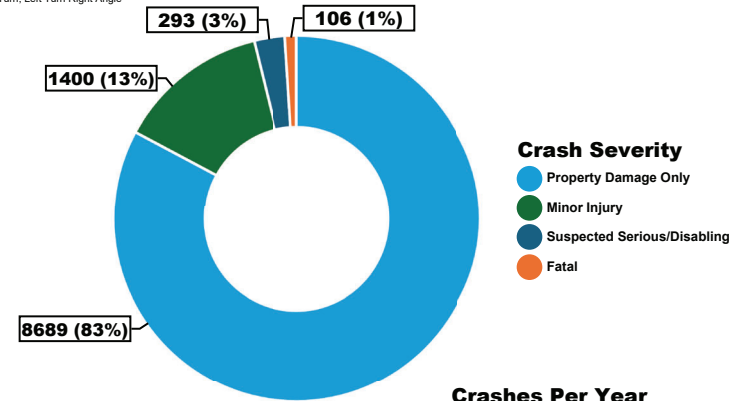
5-Year Crash Analysis Summary (2018-2022)



- Out of Control (5037, 48%)
- Passing (1629, 15.5%)
- Rear End (1597, 15%)
- Other (718, 7%)
- Deer (451, 4.5%)
- Debris (279, 2.5%)
- Changing Lane (197, 2%)
- Parking or Parked Car (110, 1%)
- Fixed Object (99, 1%)
- Avoiding (91, 1%)
- Jackknife (75, 0.5%)
- *Other Collision Types (205, 2%)



*Head On, Dog, Animal Not Deer/Dog/Farm Animal, Pedestrian, Farm Animal, Cross Median, Sideswipe, Right Angle, U-turn, Backing, Left Turn, Right Turn, Left Turn Right Angle



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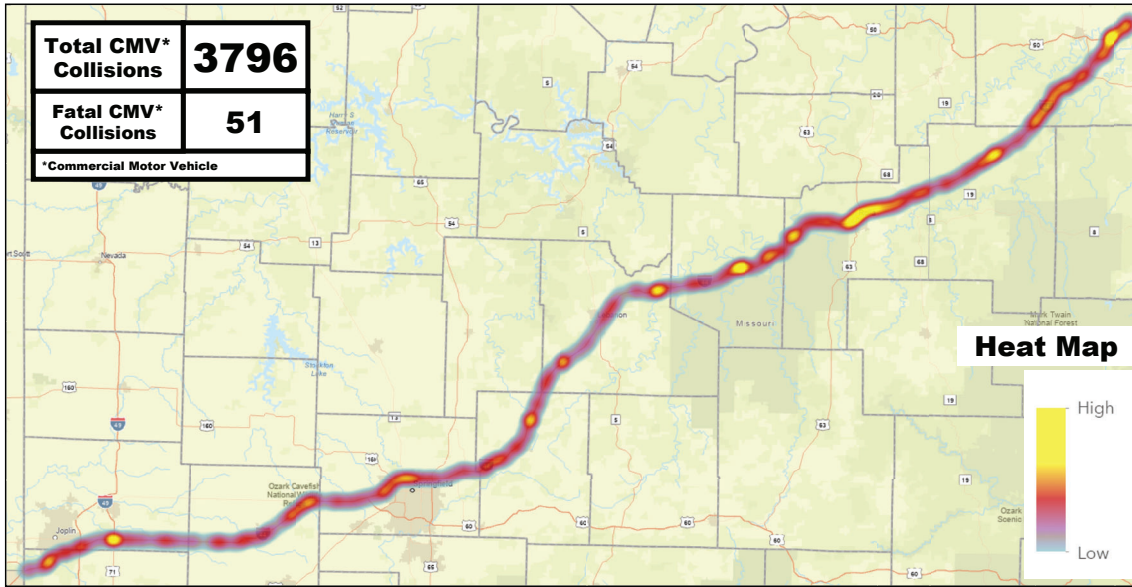
I-44 Purpose & Need Study



Missouri Department of Transportation

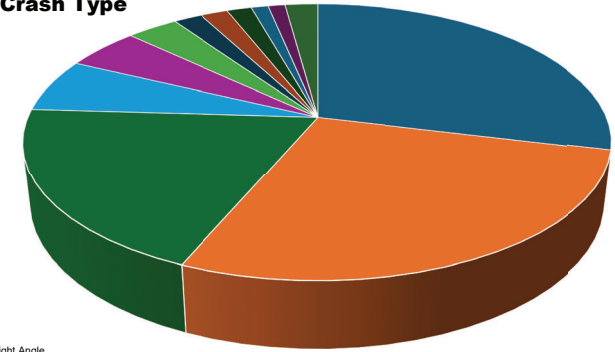
Forward 44 Study - Mainline Commercial Motor Vehicle Crashes

5-Year Crash Analysis Summary (2018-2022)

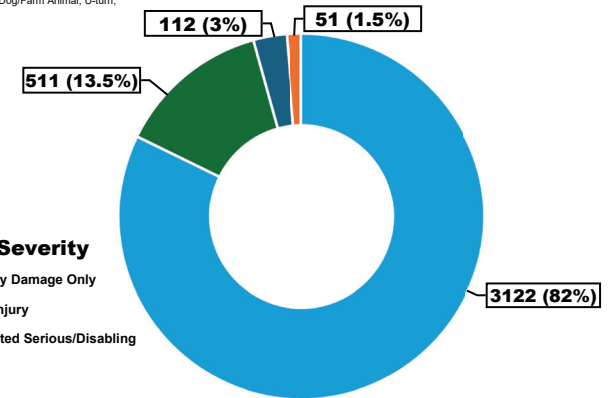


- Passing (1095, 29%)
- Out of Control (1044, 27.5%)
- Rear End (744, 19.5%)
- Other (235, 6%)
- Debris (185, 5%)
- Changing Lanes (128, 3.5%)
- Parking or Parked Car (71, 2%)
- Deer (68, 2%)
- Jackknife (61, 1.5%)
- Fixed Object (42, 1%)
- Avoiding (42, 1%)
- *Other Collision Types (81, 2%)

Crash Type

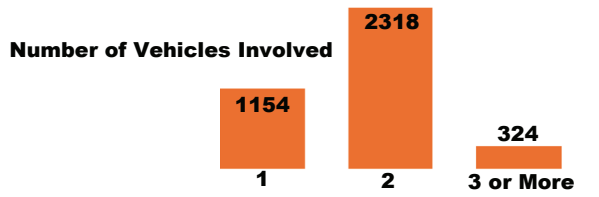


*Head On, Cross Median, Farm Animal, Pedestrian, Right Angle, Sideswipe, Dog, Animal Not Deer/Dog/Farm Animal, U-turn, Backing, Left Turn, Right Turn

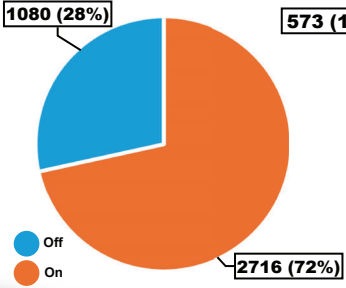


Crash Severity

- Property Damage Only
- Minor Injury
- Suspected Serious/Disabling
- Fatal

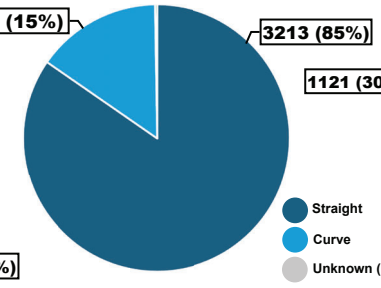


Roadway Departure



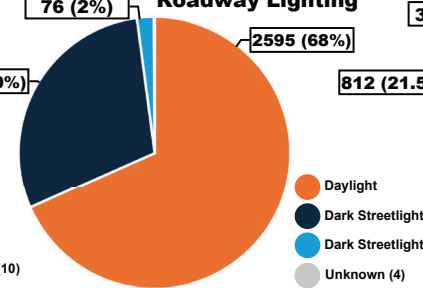
- Off
- On

Roadway Alignment



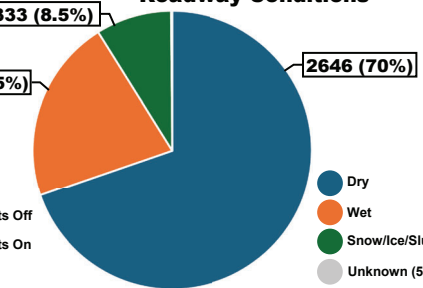
- Straight
- Curve
- Unknown (10)

Roadway Lighting



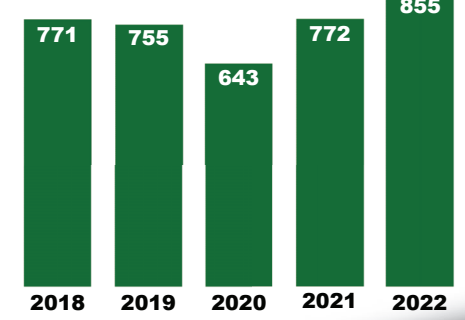
- Daylight
- Dark Streetlights Off
- Dark Streetlights On
- Unknown (4)

Roadway Conditions



- Dry
- Wet
- Snow/Ice/Slush
- Unknown (5)

Crashes Per Year



MoDOT intends to adopt, or incorporate by reference, information from this study into subsequent NEPA studies.



I-44 Purpose & Need Study



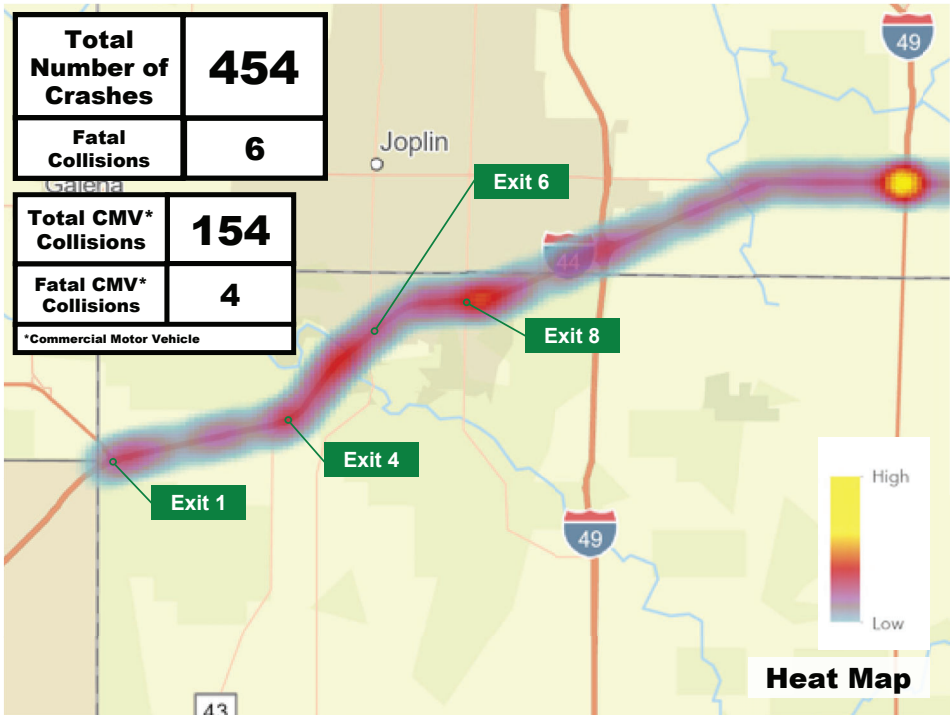
Missouri Department of Transportation

Forward 44 Study - Newton County Mainline Crashes

5-Year Crash Analysis Summary (2018-2022)

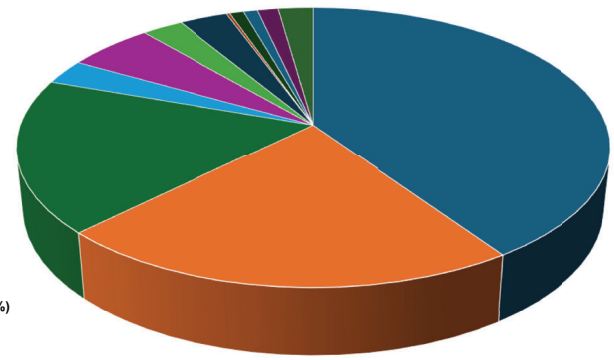
Total Number of Crashes	454
Fatal Collisions	6
Total CMV* Collisions	154
Fatal CMV* Collisions	4

*Commercial Motor Vehicle

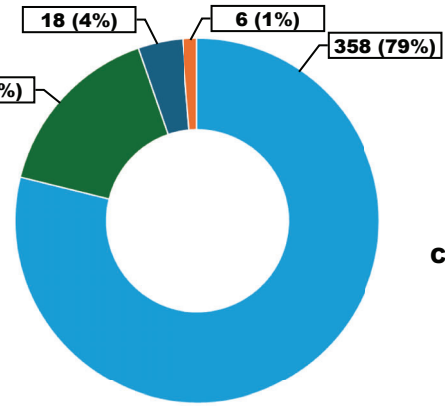
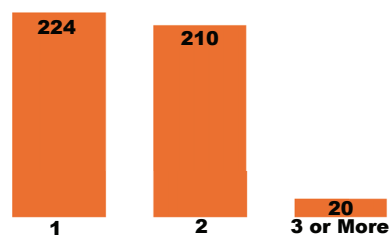


- Crash Type**
- Out of Control (184, 40.5%)
 - Passing (100, 22%)
 - Rear End (81, 18%)
 - Other (13, 3%)
 - Deer (25, 5.5%)
 - Changing Lane (14, 3%)
 - Jackknife (1, 0%)
 - Parking or parked car (4, 1%)
 - Avoiding (6, 1%)
 - *Other Collision Types (14, 3%)

*Fixed Object, Dog, Head On, Cross Median, Animal Not Deer/Dog/Farm Animal, Pedestrian, Right Angle, Farm Animal, Sideswipe, Backing, U-turn, Left Turn, Left Turn Right Angle

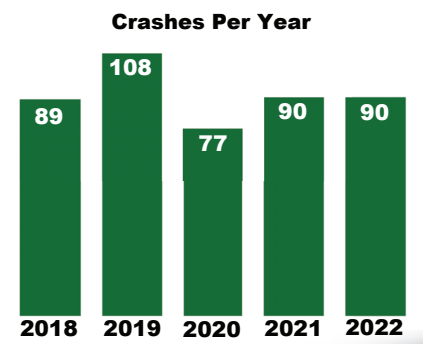
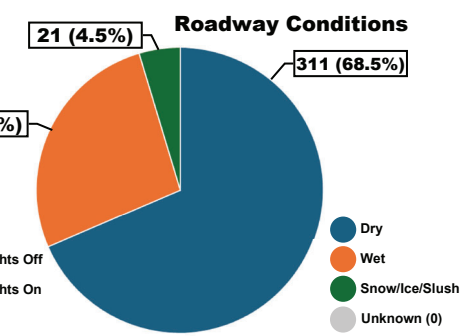
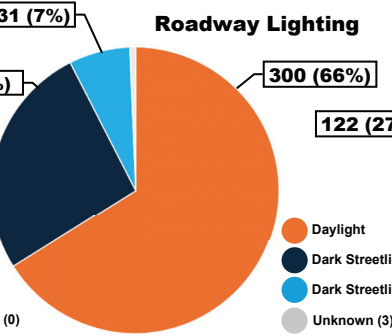
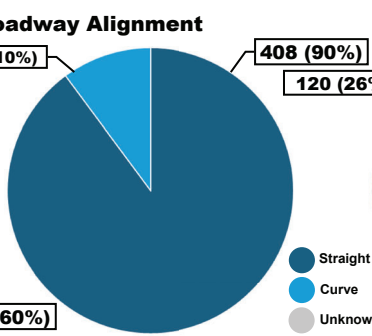
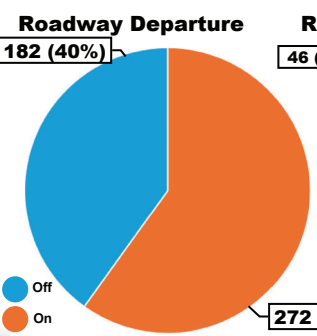


Number of Vehicles Involved



Rate = Number of Collisions per 100 Million Vehicle Miles
MoDOT Interstate Rate
93.09
I-44 Rate
61.04
Rate Comparison
0.64

- Crash Severity**
- Property Damage Only
 - Minor Injury
 - Suspected Serious/Disabling
 - Fatal



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I-44 Purpose & Need Study



Missouri Department of Transportation

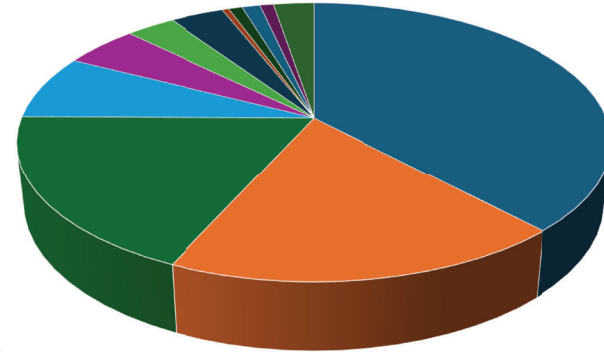
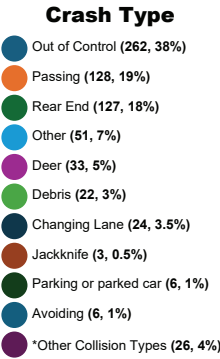
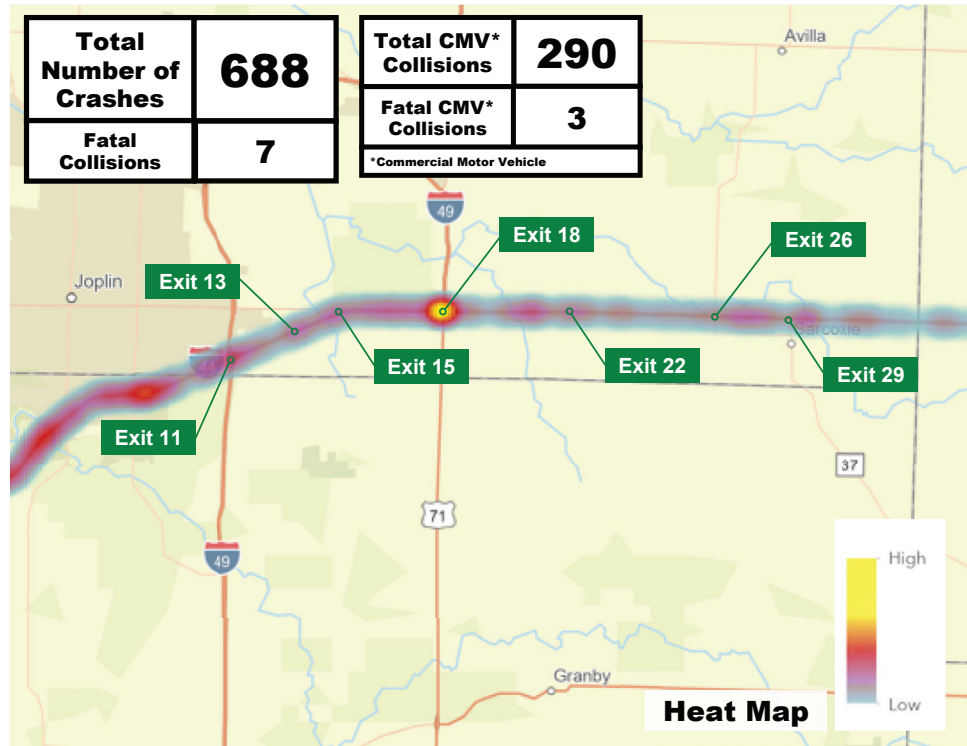
Forward 44 Study - Jasper County Mainline Crashes

5-Year Crash Analysis Summary (2018-2022)

Total Number of Crashes	688
Fatal Collisions	7

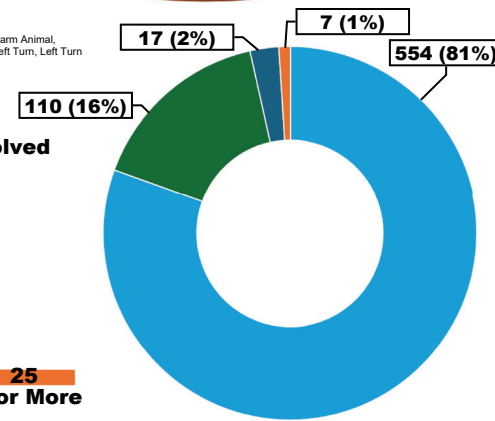
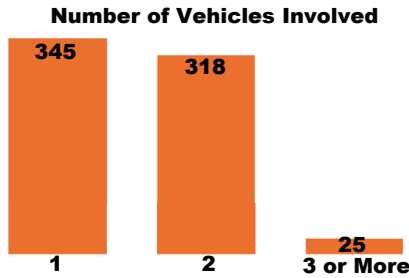
Total CMV* Collisions	290
Fatal CMV* Collisions	3

*Commercial Motor Vehicle

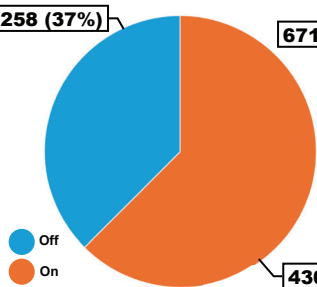


Rate = Number of Collisions per 100 Million Vehicle Miles
MoDOT Interstate Rate
93.09
I-44 Rate
50.40
Rate Comparison
0.54

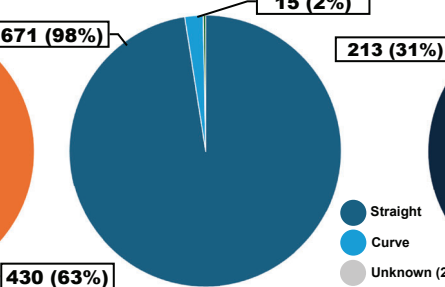
*Fixed Object, Dog, Head On, Cross Median, Animal Not Deer/Dog/Farm Animal, Pedestrian, Right Angle, Farm Animal, Sideswipe, Backing, U-turn, Left Turn, Left Turn Right Angle



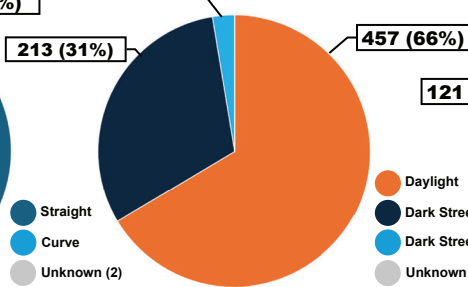
Roadway Departure



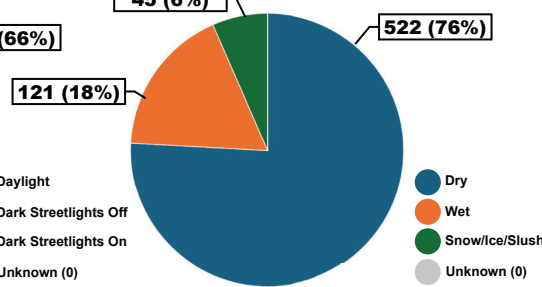
Roadway Alignment



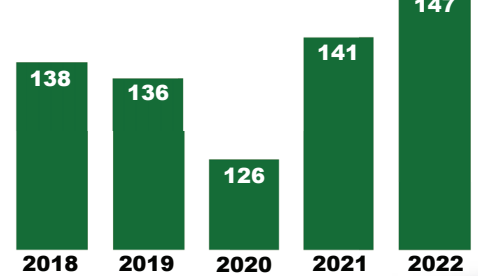
Roadway Lighting



Roadway Conditions



Crashes Per Year



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I-44 Purpose & Need Study



Missouri Department of Transportation

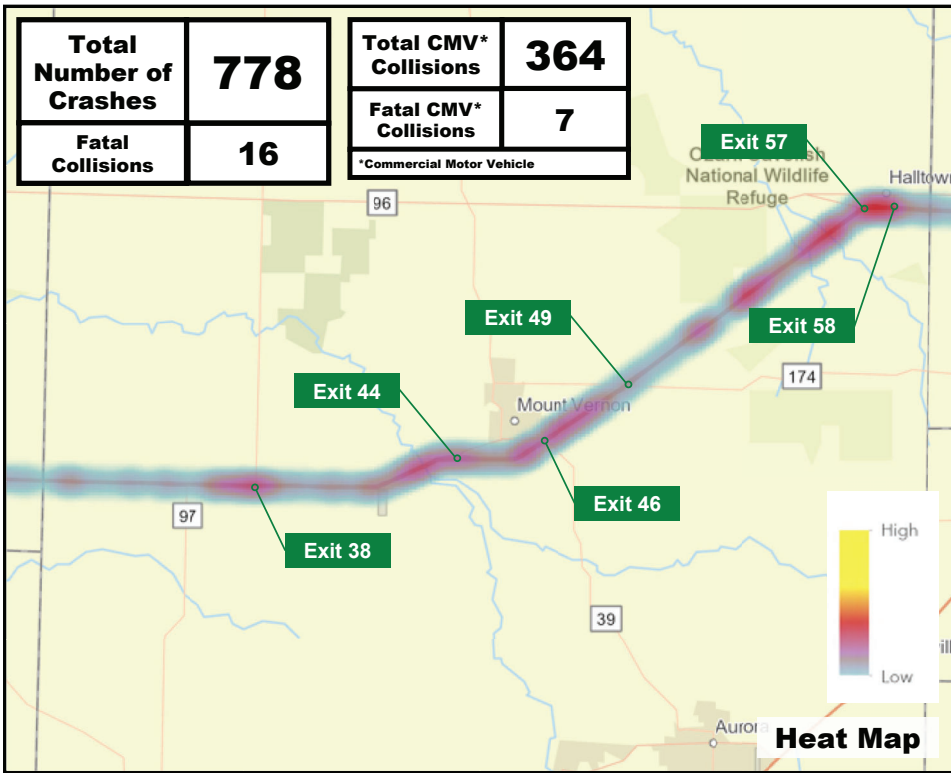
Forward 44 Study - Lawrence County Mainline Crashes

5-Year Crash Analysis Summary (2018-2022)

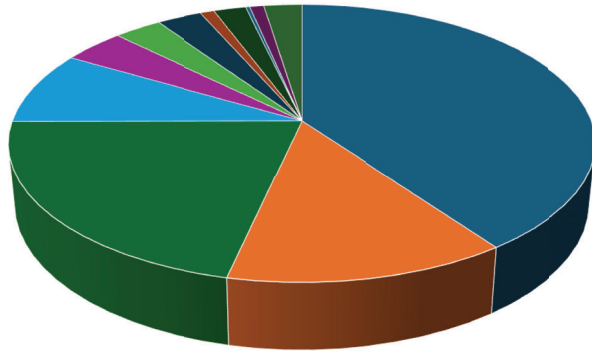
Total Number of Crashes	778
Fatal Collisions	16

Total CMV* Collisions	364
Fatal CMV* Collisions	7

*Commercial Motor Vehicle

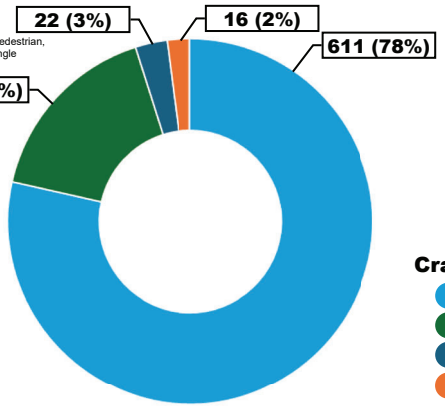
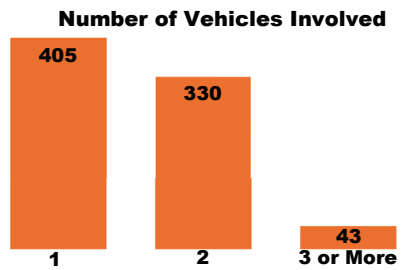


- Crash Type**
- Out of Control (312, 40%)
 - Passing (104, 13%)
 - Rear End (167, 22%)
 - Other (66, 8%)
 - Deer (31, 4%)
 - Debris (24, 3%)
 - Changing Lane (23, 3%)
 - Jackknife (7, 1%)
 - Parking or parked car (16, 2%)
 - Avoiding (7, 1%)
 - *Other Collision Types (21, 3%)

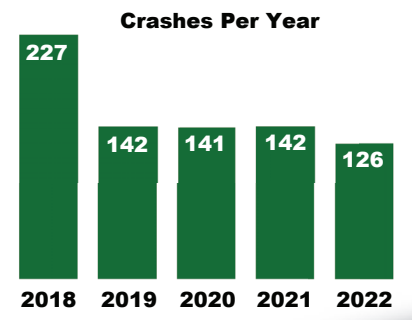
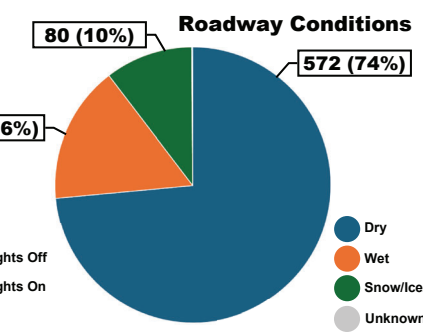
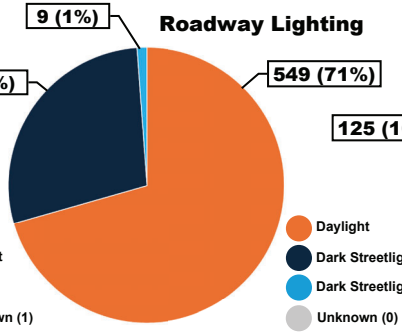
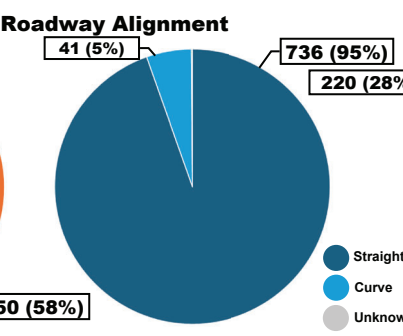
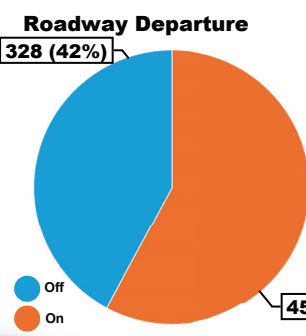


Rate = Number of Collisions per 100 Million Vehicle Miles
MoDOT Interstate Rate
93.09
I-44 Rate
46.05
Rate Comparison
0.50

*Fixed Object, Dog, Head On, Cross Median, Animal Not Deer/Dog/Farm Animal, Pedestrian, Right Angle, Farm Animal, Sideswipe, Backing, U-turn, Left Turn, Left Turn Right Angle



- Crash Severity**
- Property Damage Only
 - Minor Injury
 - Suspected Serious/Disabling
 - Fatal



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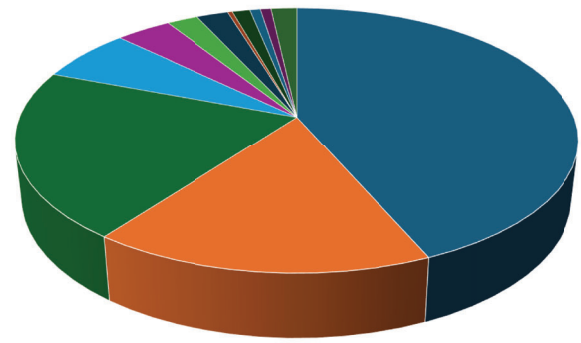
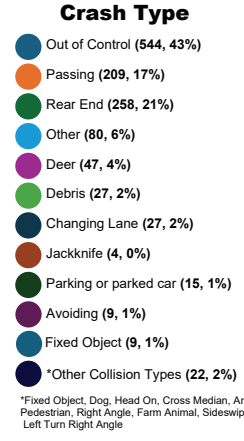
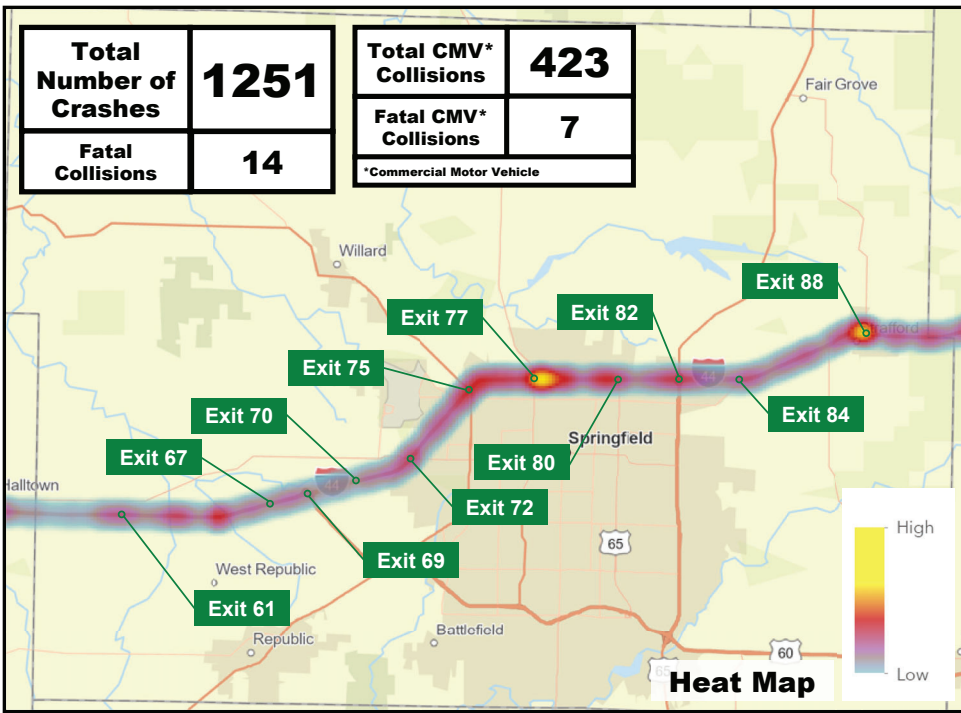
I-44 Purpose & Need Study



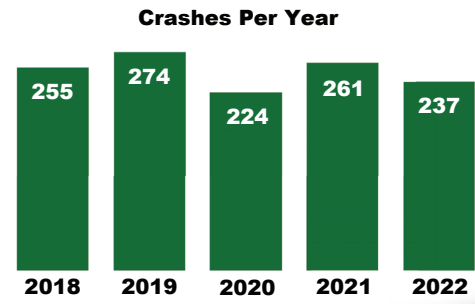
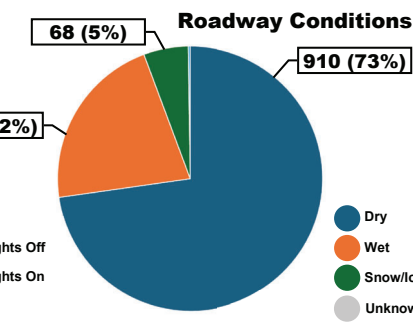
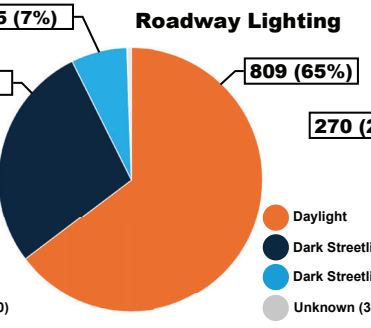
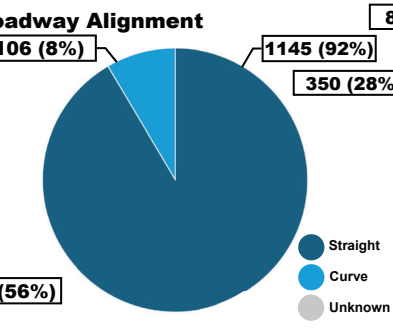
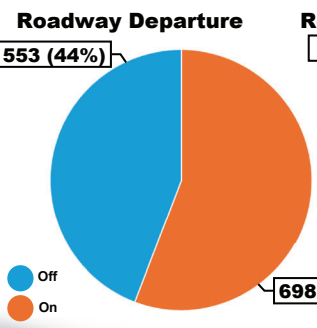
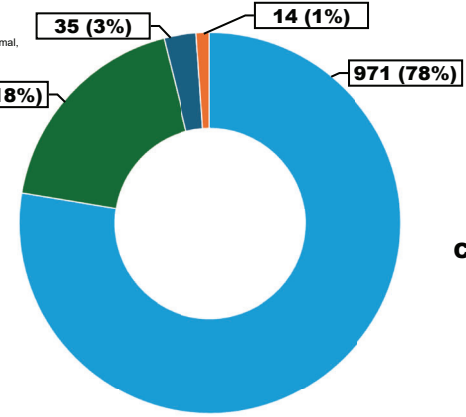
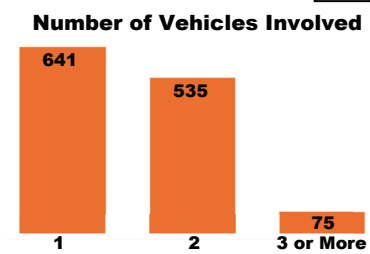
Missouri Department of Transportation

Forward 44 Study - Greene County Mainline Crashes

5-Year Crash Analysis Summary (2018-2022)



Rate = Number of Collisions per 100 Million Vehicle Miles
MoDOT Interstate Rate
93.09
I-44 Rate
46.89
Rate Comparison
0.50



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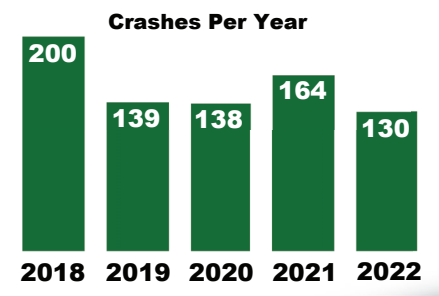
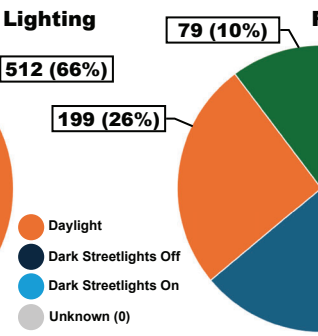
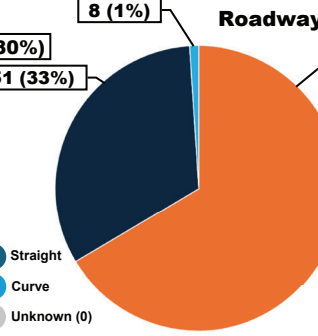
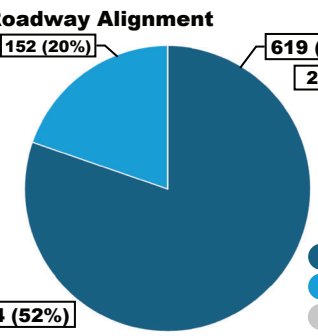
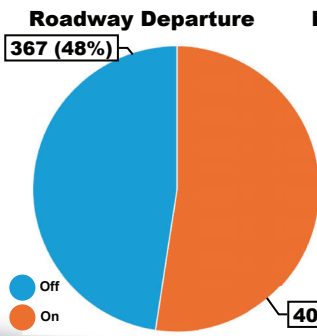
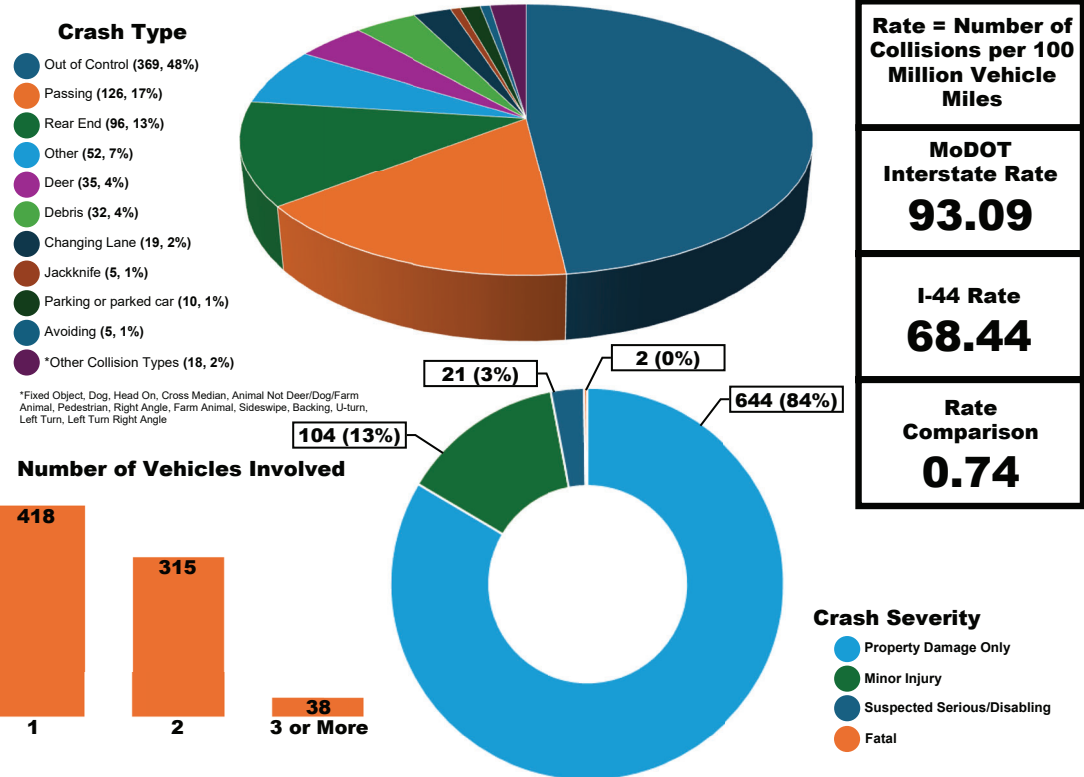
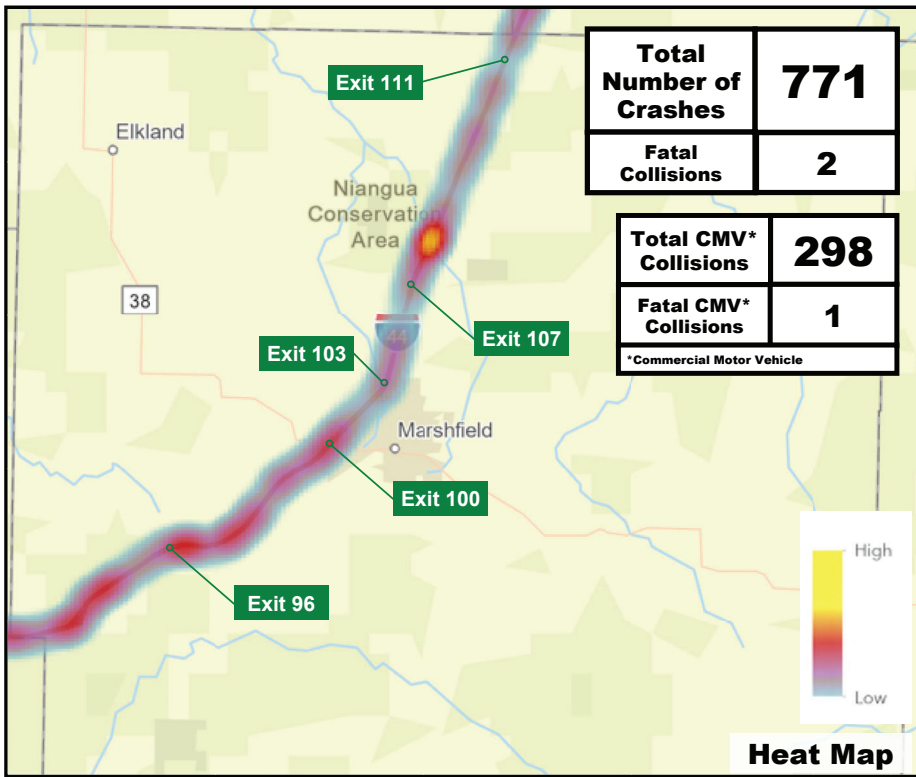
I-44 Purpose & Need Study



Missouri Department of Transportation

Forward 44 Study - Webster County Mainline Crashes

5-Year Crash Analysis Summary (2018-2022)



MoDOT intends to adopt, or incorporate by reference, information from this study into subsequent NEPA studies.



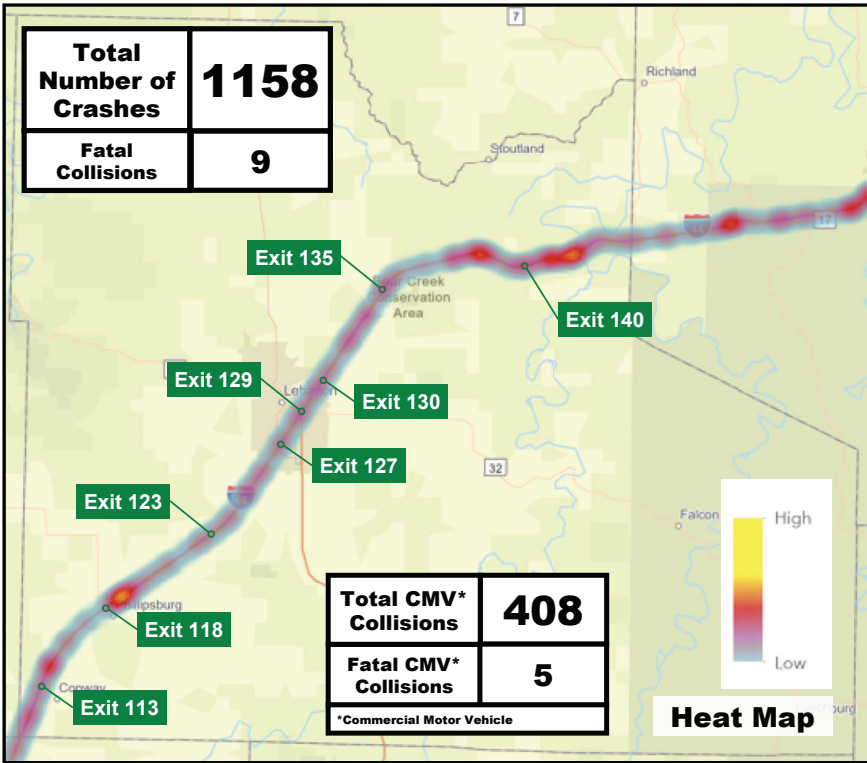
I-44 Purpose & Need Study



Missouri Department of Transportation

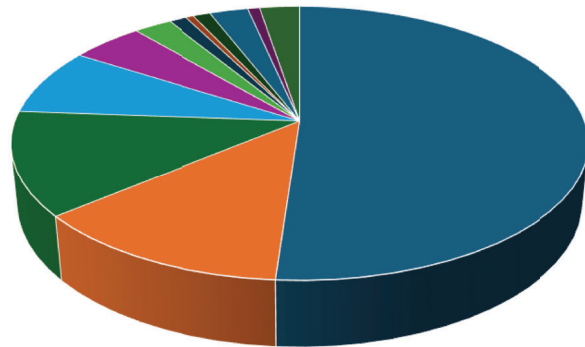
Forward 44 Study - Laclede County Mainline Crashes

5-Year Crash Analysis Summary (2018-2022)



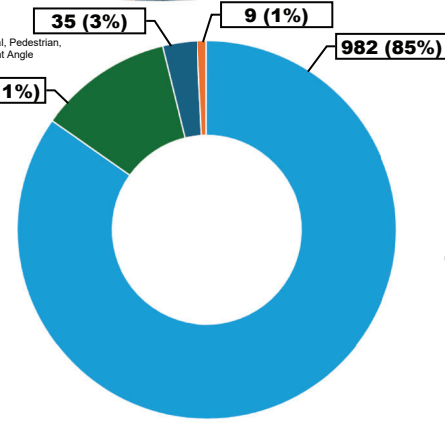
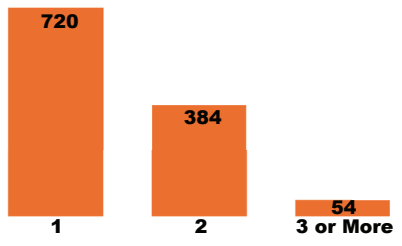
Crash Type

- Out of Control (592, 51%)
- Passing (148, 13%)
- Rear End (142, 12%)
- Other (91, 8%)
- Deer (55, 5%)
- Debris (29, 2.5%)
- Changing Lane (14, 1%)
- Jackknife (6, 0.5%)
- Parking or parked car (13, 1%)
- Avoiding (9, 1%)
- *Other Collision Types (59, 5%)



*Fixed Object, Dog, Head On, Cross Median, Animal Not Deer/Dog/Farm Animal, Pedestrian, Right Angle, Farm Animal, Sideswipe, Backing, U-turn, Left Turn, Left Turn Right Angle

Number of Vehicles Involved

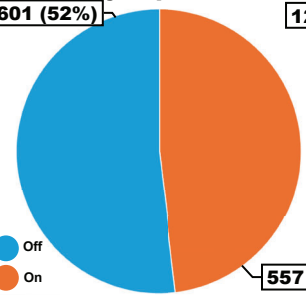


Rate = Number of Collisions per 100 Million Vehicle Miles
MoDOT Interstate Rate
93.09
I-44 Rate
64.06
Rate Comparison
0.69

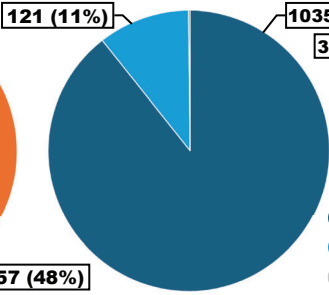
Crash Severity

- Property Damage Only
- Minor Injury
- Suspected Serious/Disabling
- Fatal

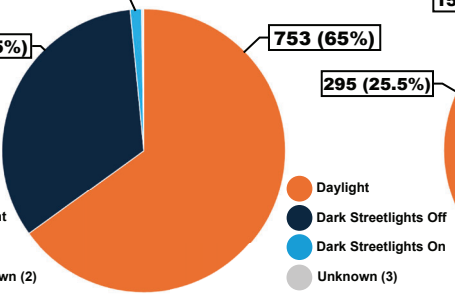
Roadway Departure



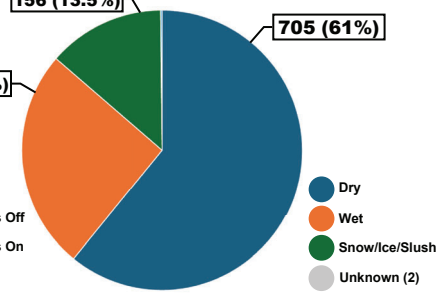
Roadway Alignment



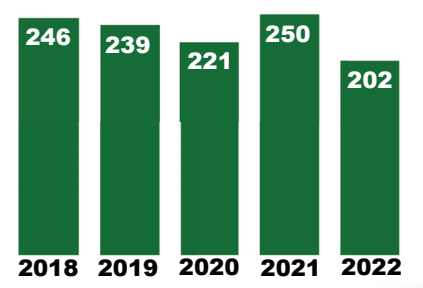
Roadway Lighting



Roadway Conditions



Crashes Per Year



MoDOT intends to adopt, or incorporate by reference, information from this study into subsequent NEPA studies.



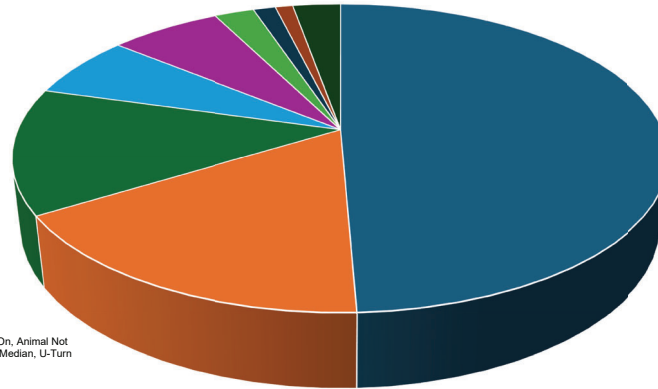
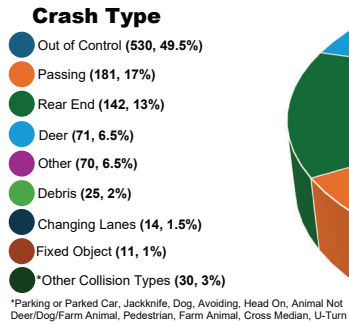
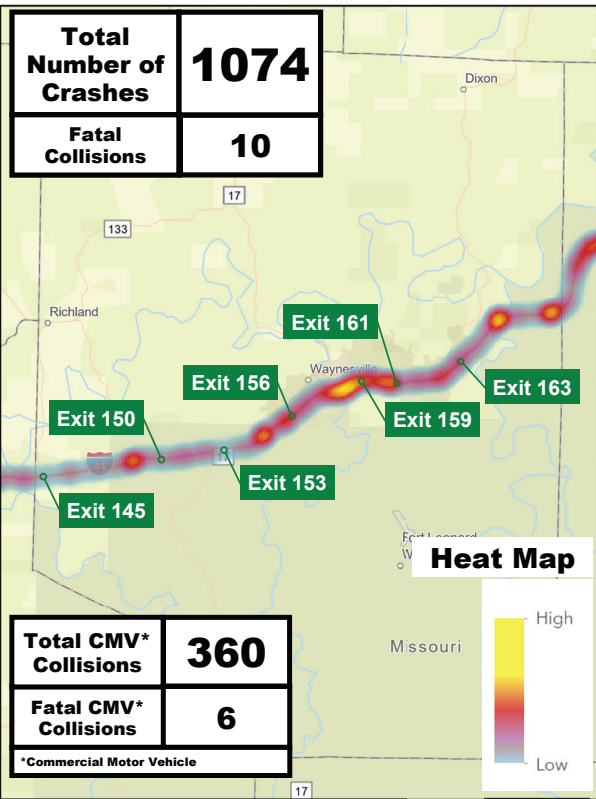
I-44 Purpose & Need Study



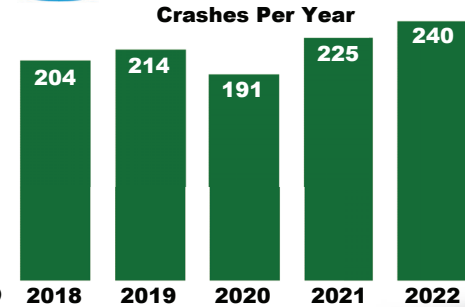
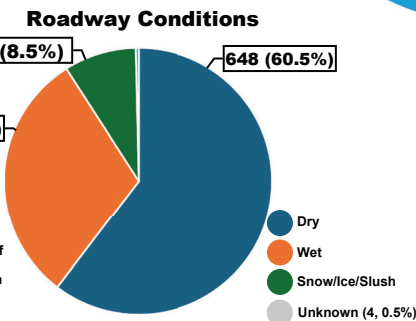
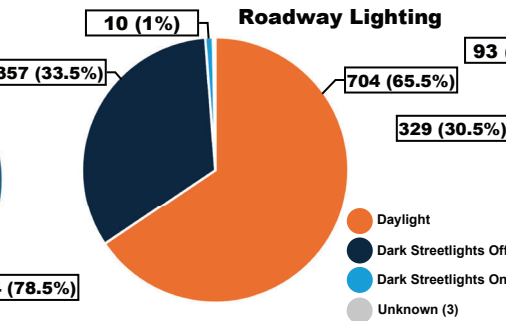
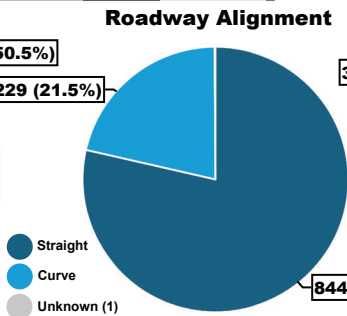
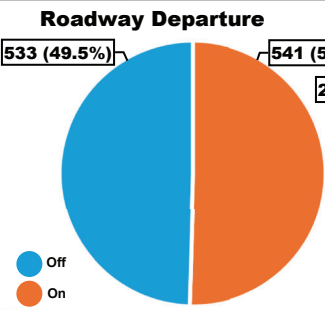
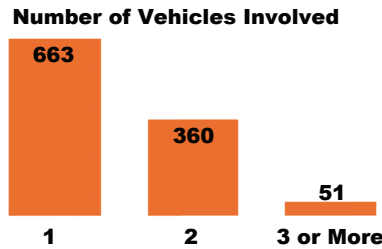
Missouri Department of Transportation

Forward 44 Study - Pulaski County Mainline Crashes

5-Year Crash Analysis Summary (2018-2022)



Rate = Number of Collisions per 100 Million Vehicle Miles
MoDOT Interstate Rate
93.09
I-44 through Pulaski Rate
84.0
Rate Comparison
0.9



MoDOT intends to adopt, or incorporate by reference, information from this study into subsequent NEPA studies.



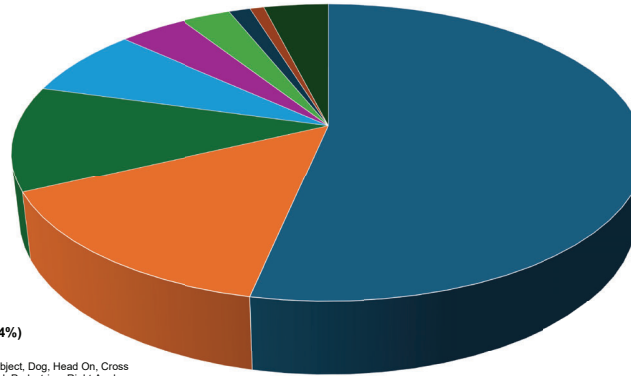
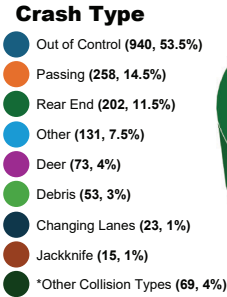
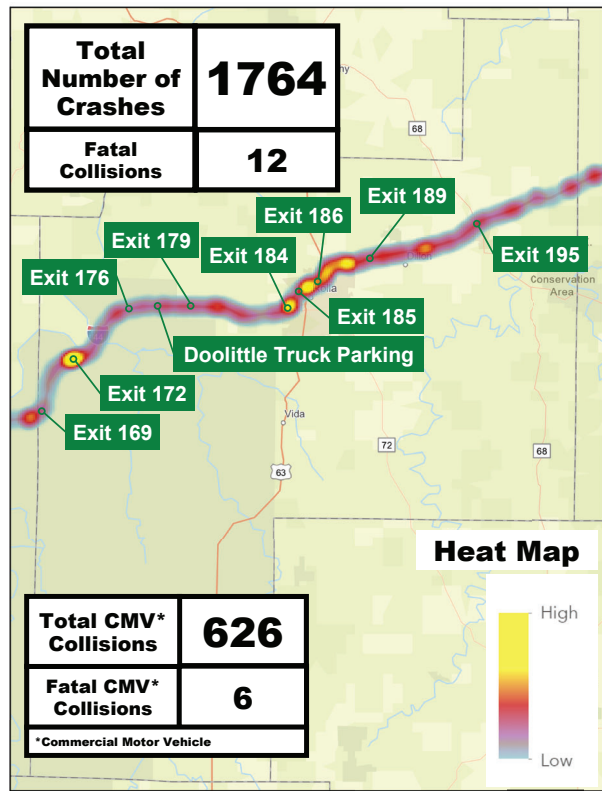
I-44 Purpose & Need Study



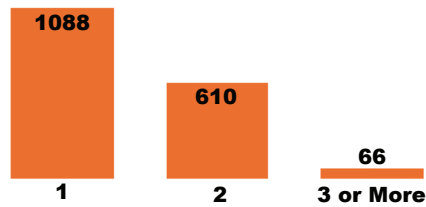
Missouri Department of Transportation

Forward 44 Study - Phelps County Mainline Crashes

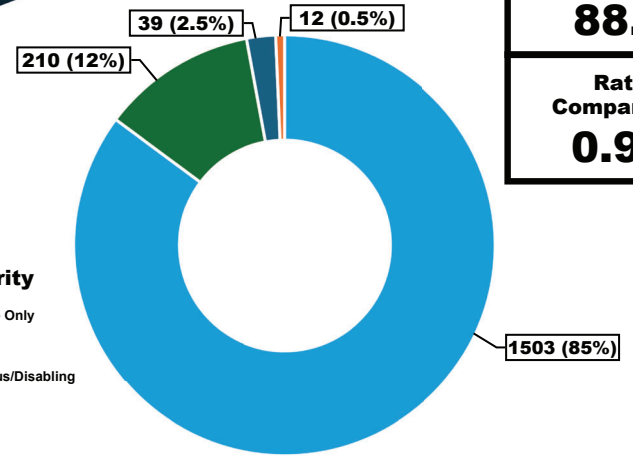
5-Year Crash Analysis Summary (2018-2022)



Number of Vehicles Involved

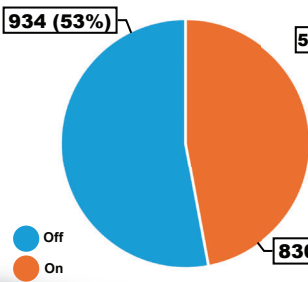


Crash Severity

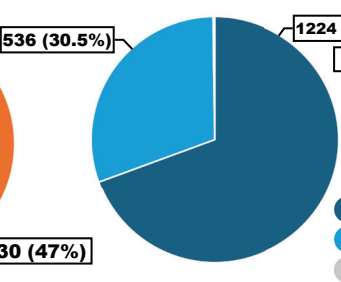


Rate = Number of Collisions per 100 Million Vehicle Miles
MoDOT Interstate Rate
93.09
I-44 through Phelps Rate
88.0
Rate Comparison
0.95

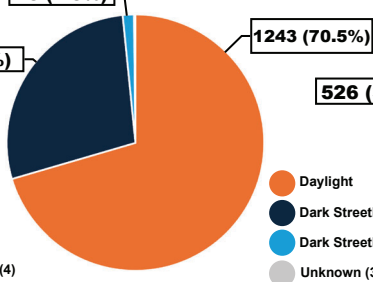
Roadway Departure



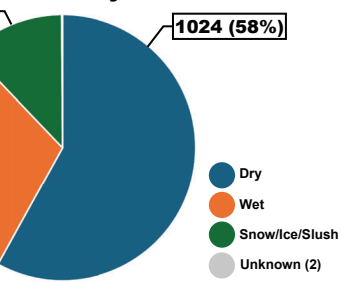
Roadway Alignment



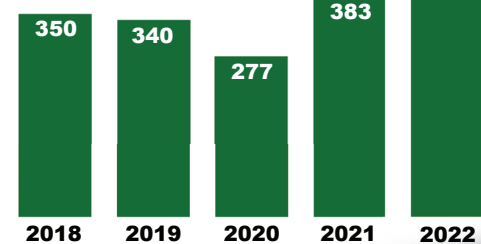
Roadway Lighting



Roadway Conditions



Crashes Per Year



MoDOT intends to adopt, or incorporate by reference, information from this study into subsequent NEPA studies.



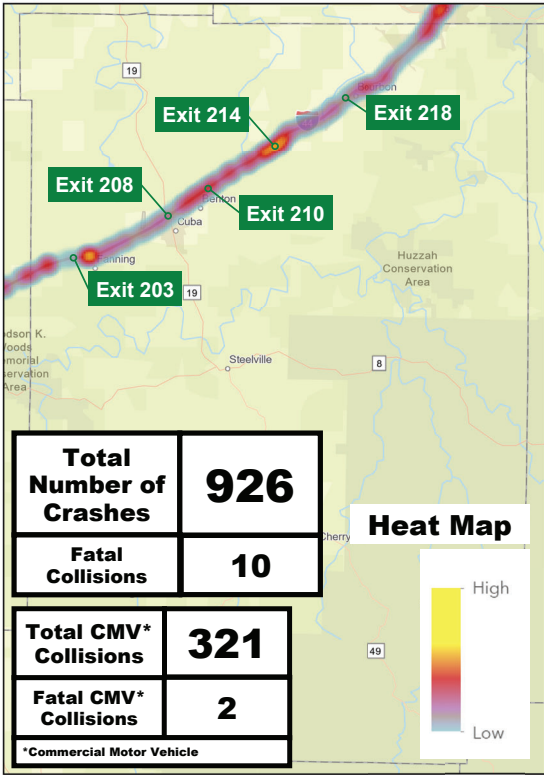
I-44 Purpose & Need Study



Missouri Department of Transportation

Forward 44 Study - Crawford County Mainline Crashes

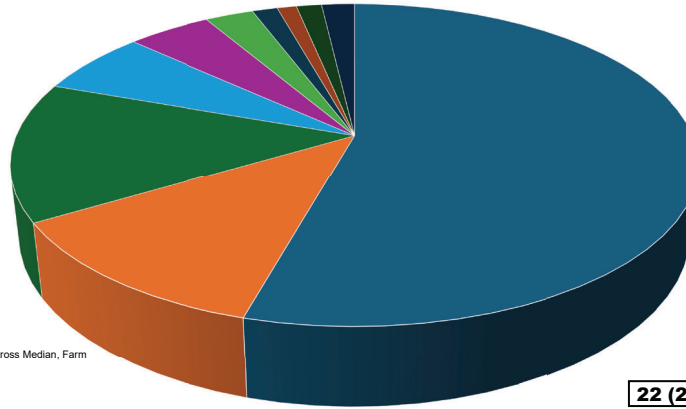
5-Year Crash Analysis Summary (2018-2022)



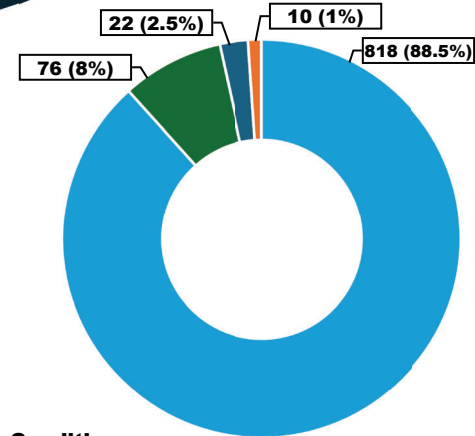
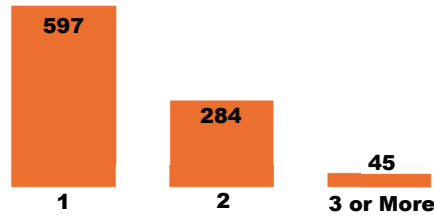
Crash Type

- Out of Control (503, 54.5%)
- Rear End (130, 14%)
- Passing (112, 12%)
- Other (59, 6.5%)
- Deer (44, 4.5%)
- Debris (25, 2.5%)
- Parking or Parked Car (13, 1.5%)
- Avoiding (13, 1.5%)
- Jackknife (10, 1%)
- *Other Collision Types (17, 2%)

*Changing Lanes, Fixed Object, Dog, Head On, Cross Median, Farm Animal



Number of Vehicles Involved



Rate = Number of Collisions per 100 Million Vehicle Miles

MoDOT Interstate Rate
93.09

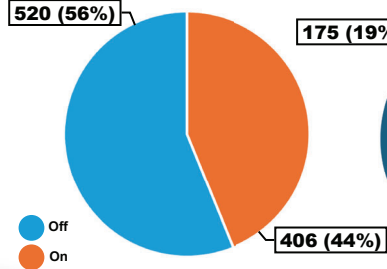
I-44 through Crawford Rate
61.4

Rate Comparison
0.66

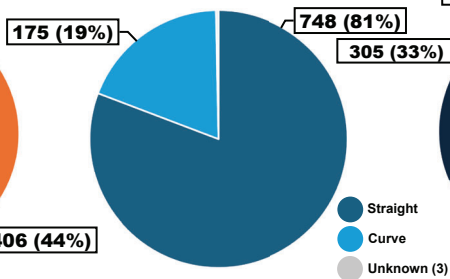
Crash Severity

- Property Damage Only
- Minor Injury
- Suspected Serious/Disabling
- Fatal

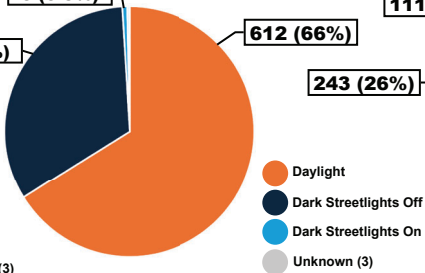
Roadway Departure



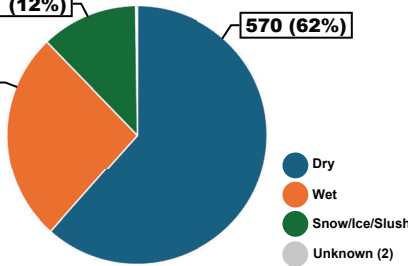
Roadway Alignment



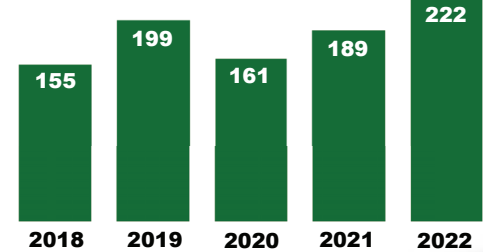
Roadway Lighting



Roadway Conditions



Crashes Per Year



MoDOT intends to adopt, or incorporate by reference, information from this study into subsequent NEPA studies.



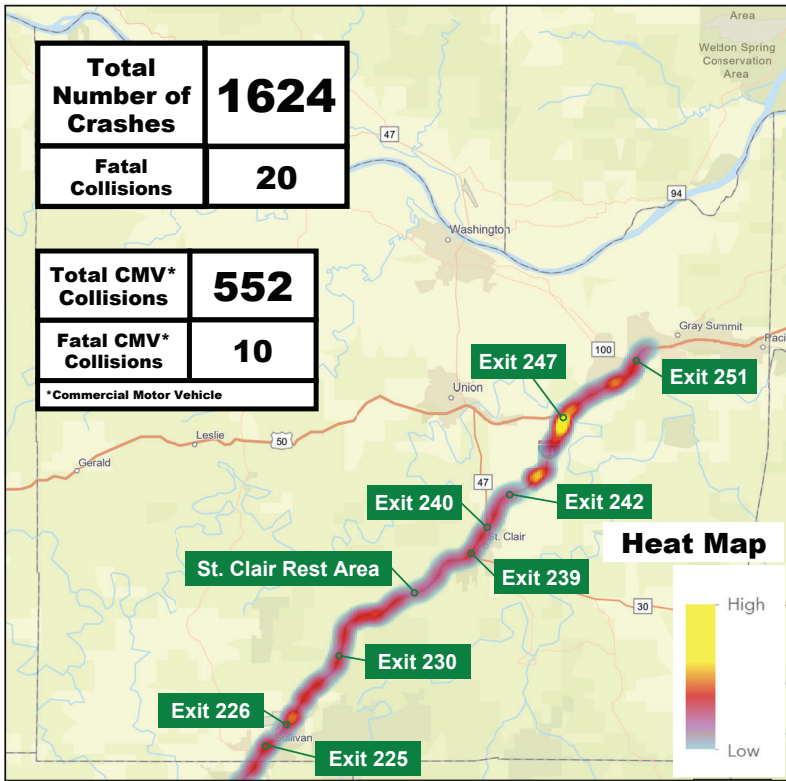
I-44 Purpose & Need Study



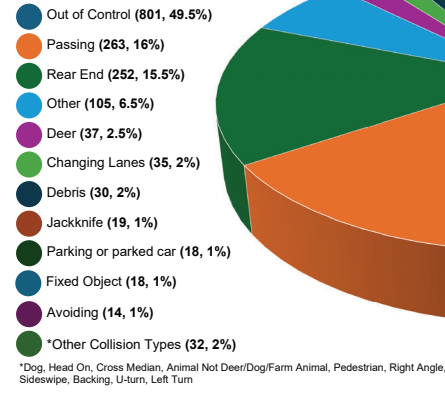
Missouri Department of Transportation

Forward 44 Study - Franklin County Mainline Crashes

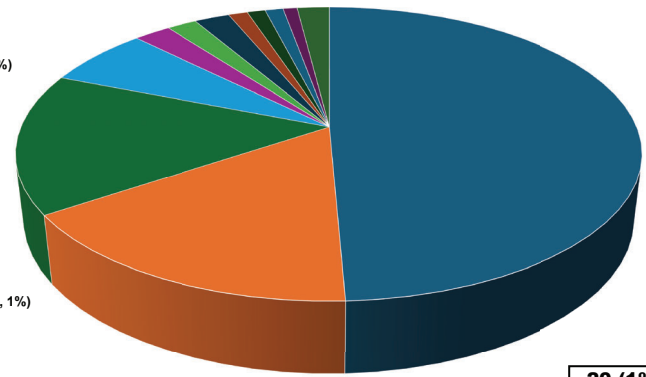
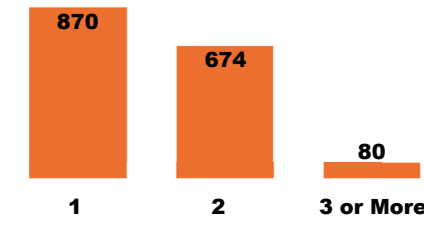
5-Year Crash Analysis Summary (2018-2022)



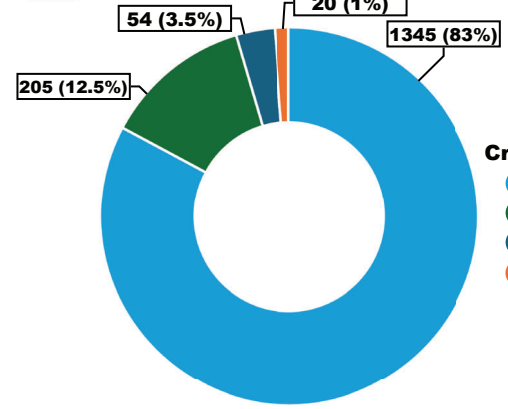
Crash Type



Number of Vehicles Involved



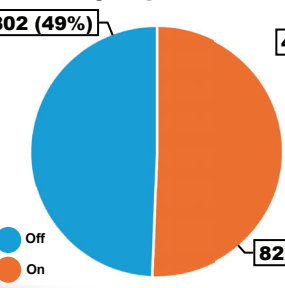
Rate = Number of Collisions per 100 Million Vehicle Miles
MoDOT Interstate Rate
93.09
I-44 through Franklin Rate
77.4
Rate Comparison
0.83



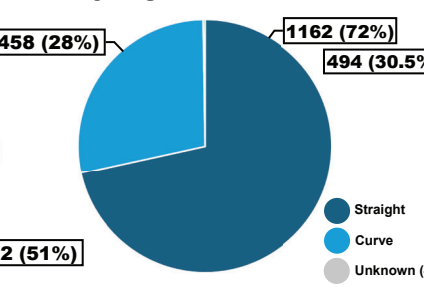
Crash Severity

- Property Damage Only
- Minor Injury
- Suspected Serious/Disabling
- Fatal

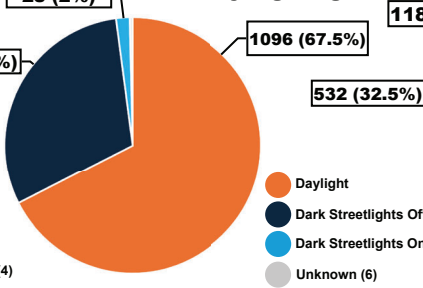
Roadway Departure



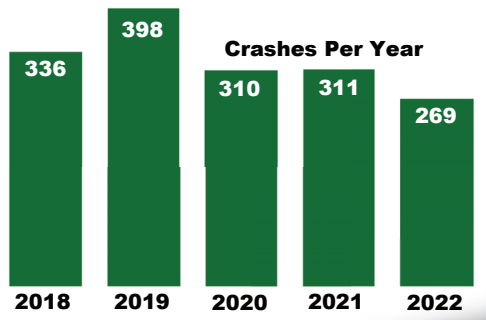
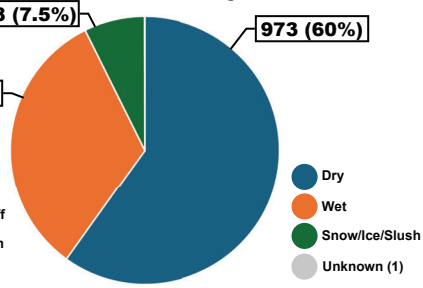
Roadway Alignment



Roadway Lighting



Roadway Conditions



MoDOT intends to adopt, or incorporate by reference, information from this study into subsequent NEPA studies.

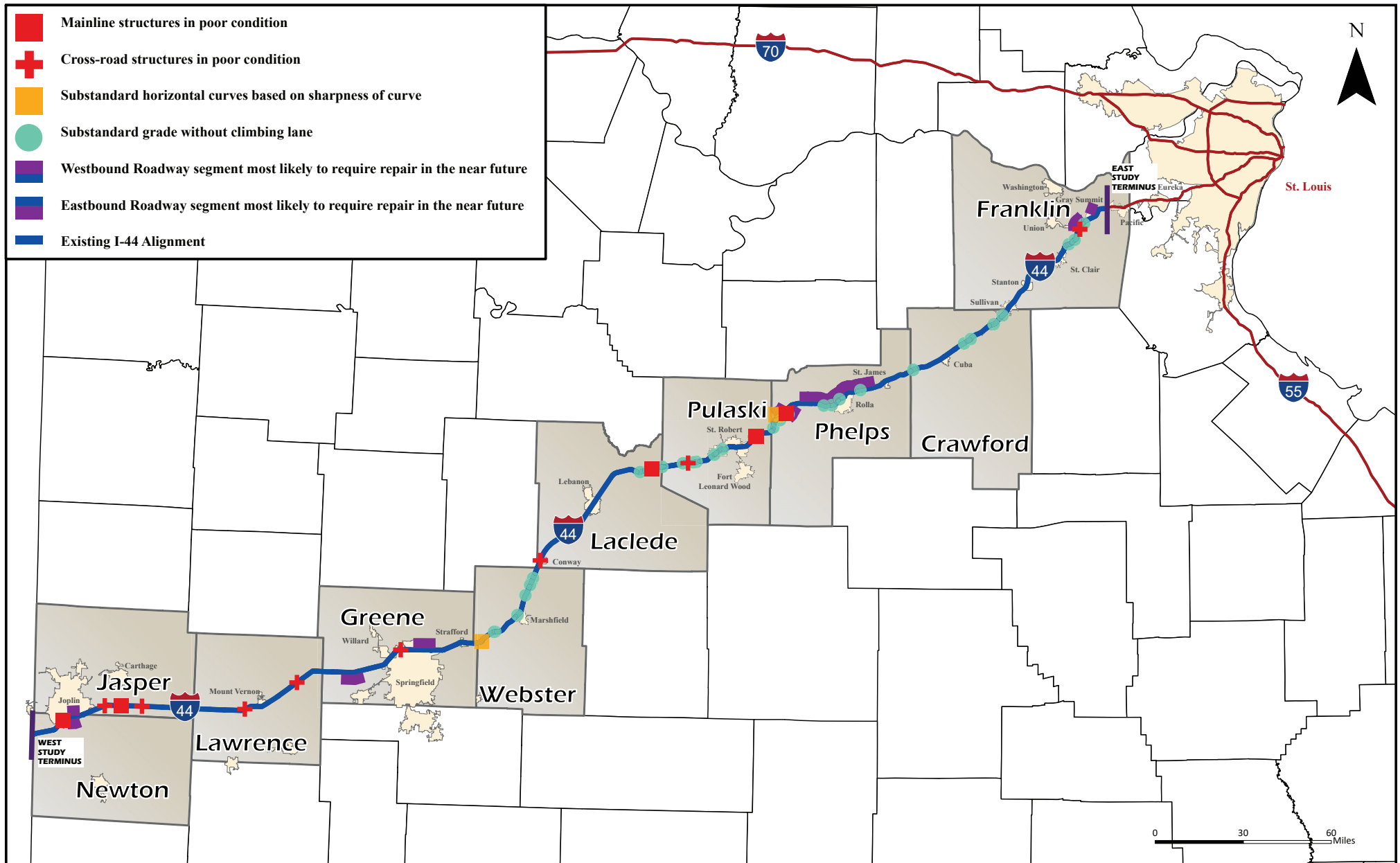


I-44 Purpose & Need Study



Missouri Department of Transportation

Forward 44 Corridor-Wide Geometric Deficiencies



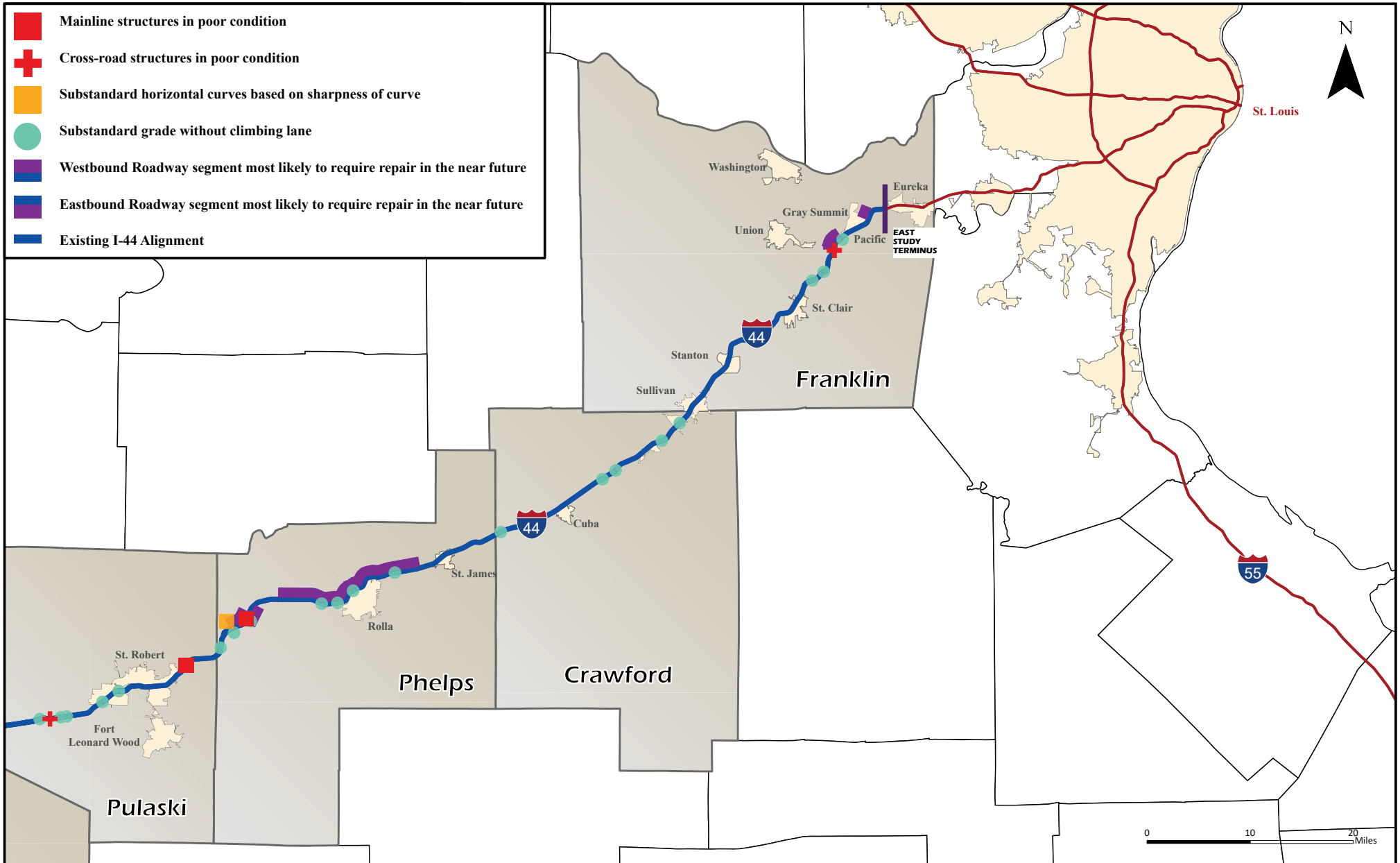
MoDOT intends to adopt, or incorporate by reference, information from this study into subsequent NEPA studies.

Forward 44 West Geometric Deficiencies



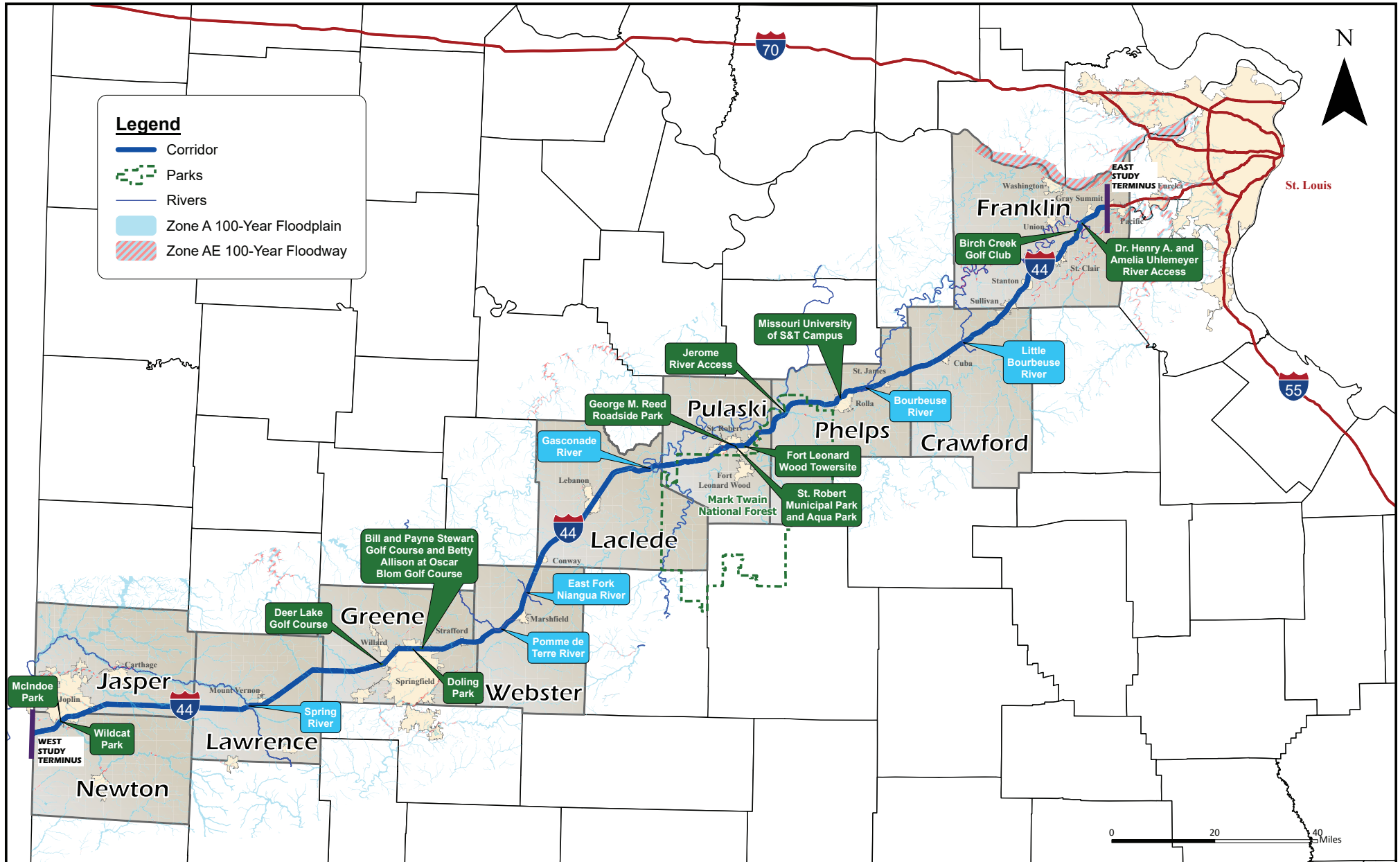
MoDOT intends to adopt, or incorporate by reference, information from this study into subsequent NEPA studies.

Forward 44 East Geometric Deficiencies



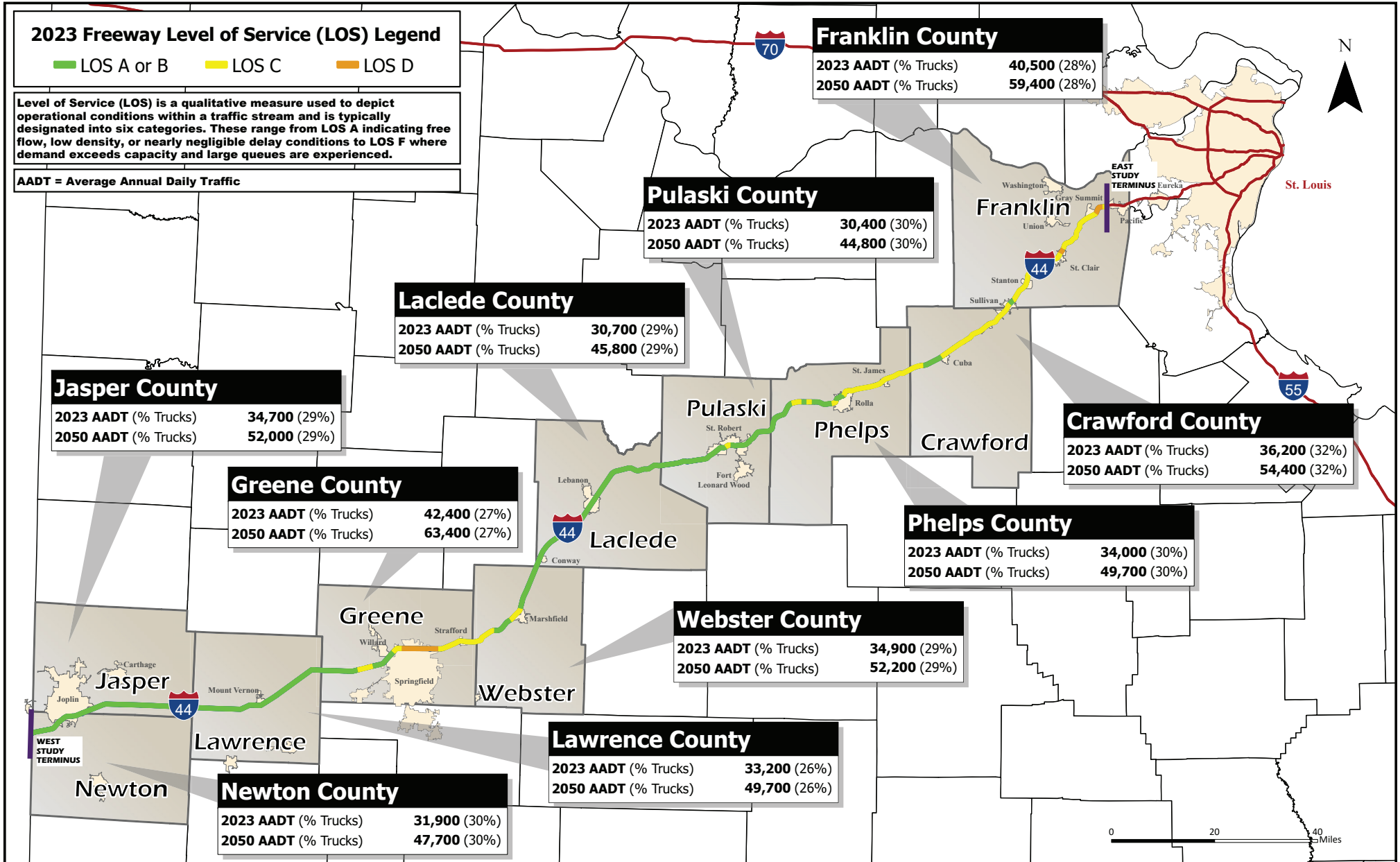
MoDOT intends to adopt, or incorporate by reference, information from this study into subsequent NEPA studies.

Forward 44 Corridor-Wide Environmental Resources



MoDOT intends to adopt, or incorporate by reference, information from this study into subsequent NEPA studies.

Summary of Two-Way Traffic and Percentage of Trucks



MoDOT intends to adopt, or incorporate by reference, information from this study into subsequent NEPA studies.

CONTACT US

Thanks for attending the meeting. For more information about the I-44 environmental study, please visit www.modot.org/Forward44.



Forward44@modot.mo.gov



www.modot.org/Forward44



1-888-ASK-MODOT (1-888-275-6636)



www.surveymonkey.com/r/Forward44

MoDOT intends to adopt, or incorporate by reference, information from this study into subsequent NEPA studies.



I-44 Purpose & Need Study



Missouri Department of Transportation