

# I-44 Study Corridor Crash Data Summary

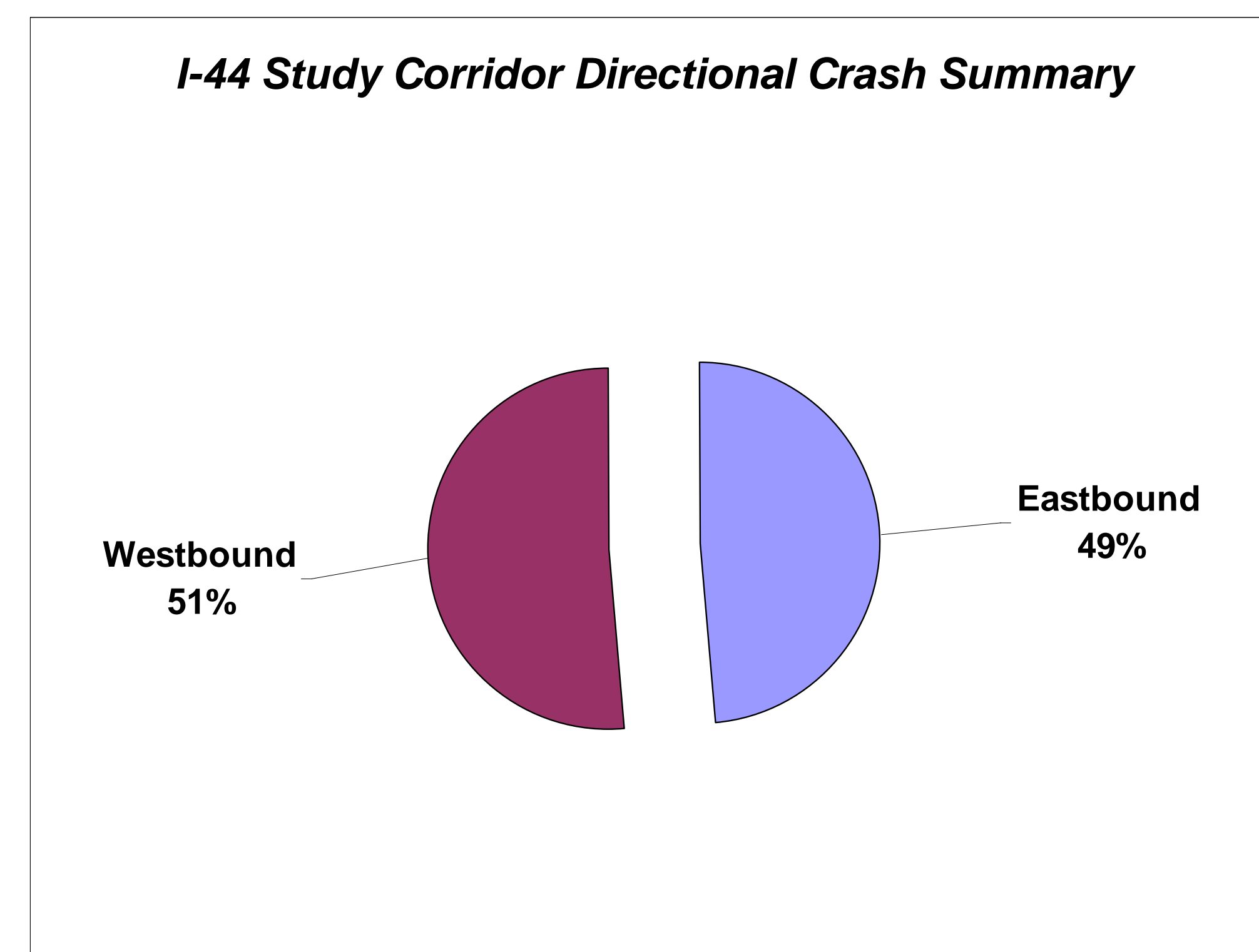
## I-44 Study Corridor Crash Rate Summary

	Newton County	Jasper County	Lawrence County	Greene County	Webster County	Laclede County	Pulaski County	Phelps County	Crawford County	Franklin County	I-44 Study Corridor	Missouri State Average for Interstates
All Crashes	121.57	71.65	57.66	81.79	45.73	69.32	123.76	100.02	81.80	104.61	84.38	113.02
Property Damage Only	88.57	49.45	39.79	56.81	33.78	53.24	99.54	72.37	59.63	81.70	62.61	84.13
Minor Injury	24.95	17.27	11.88	20.65	6.92	9.74	14.55	19.75	14.21	14.86	15.02	28.02
Disabling Injury	5.98	3.30	4.08	3.00	4.20	5.35	8.83	6.56	6.82	6.79	5.46	
Fatality	2.07	1.64	1.92	1.33	0.82	0.99	0.84	1.34	1.13	1.28	1.28	0.87

Source: MoDOT TMS, 2001 - 2005. All Rates Expressed in Number of Crashes per Hundred Million Vehicle Miles Traveled  
Red Text Indicates Rates Higher Than State Average for Similar Facilities

### Prevailing Types of Crashes Within I-44 Study Corridor

1. Out of Control  
*Crashes where vehicle contacts a fixed object or ran off the road*
2. Rear End
3. Other  
*Crashes where vehicle contacts "other object"*



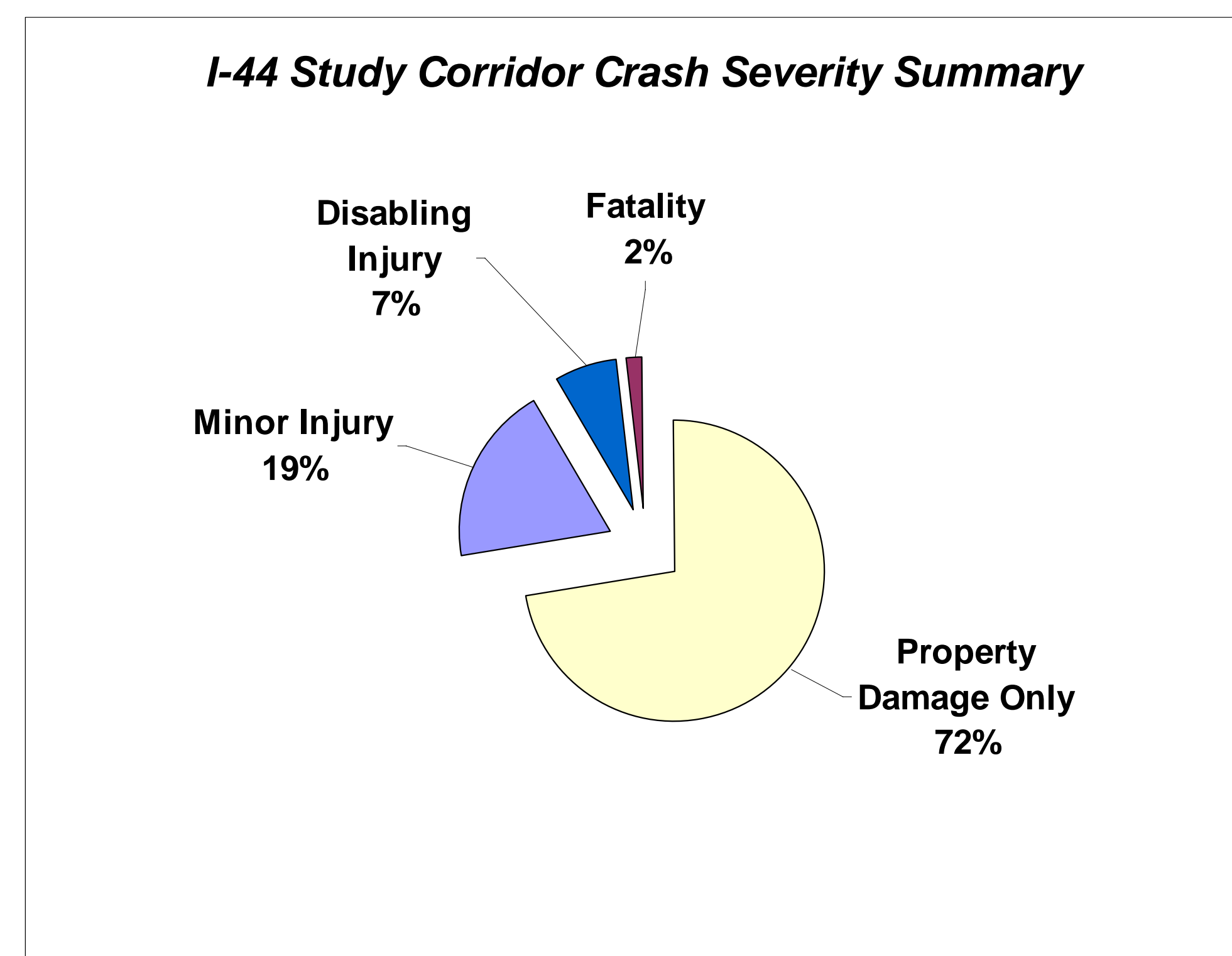
#### Crash Type Analysis

Prevailing crash types indicative of unexpected, sudden stopping or reduced speed indicate that traffic conditions may be changing faster than drivers are able to react.

### Crash Rate Definition

#### What defines Crash Rate?

Crash Rate is a function of the actual number of crashes divided by a measure of exposure, comprised of traffic volume, time, and distance. This calculation allows each county to be directly compared to one another even though they all have different traffic volumes and lengths. Crash Rates are all expressed in crashes per hundred million vehicle miles traveled.

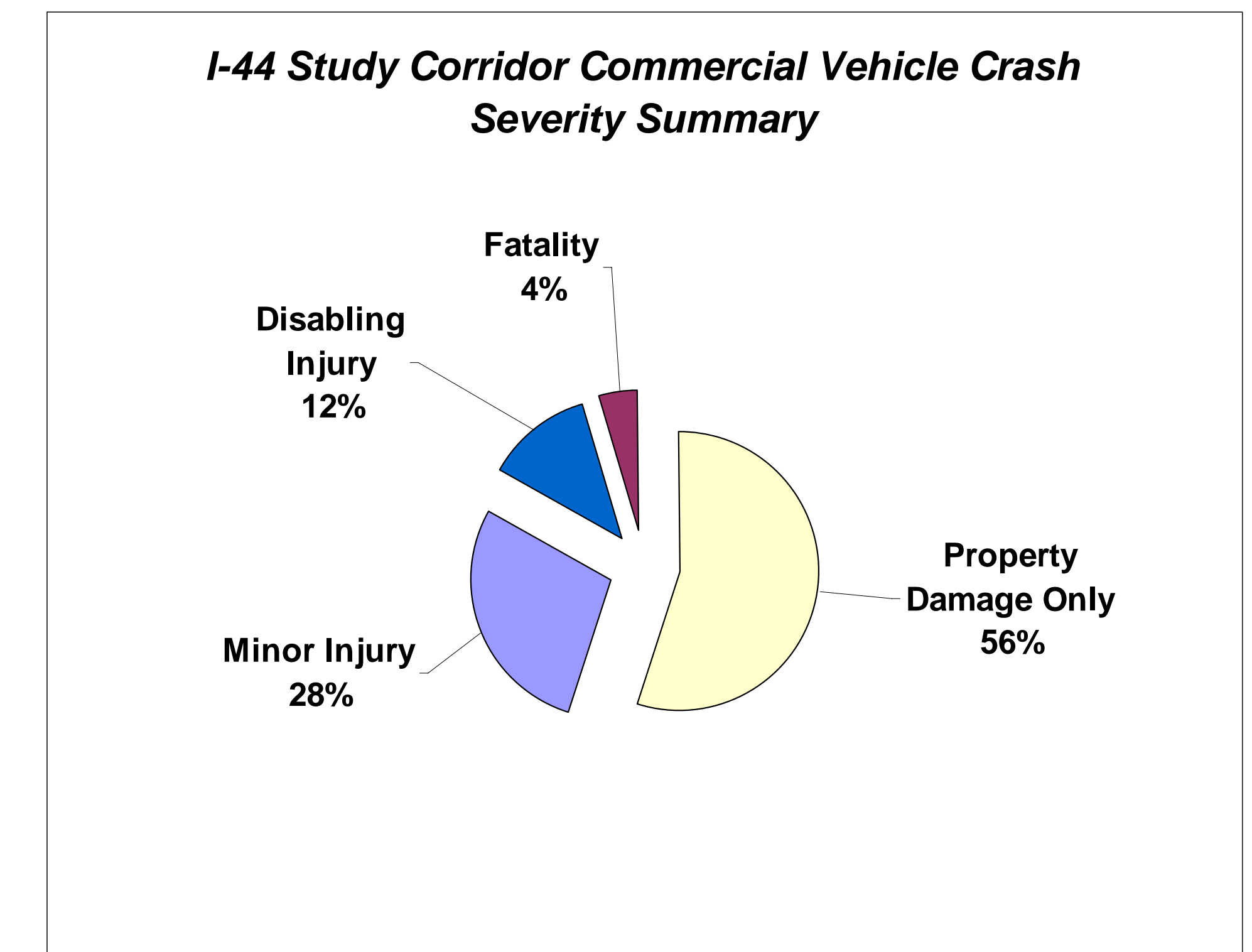
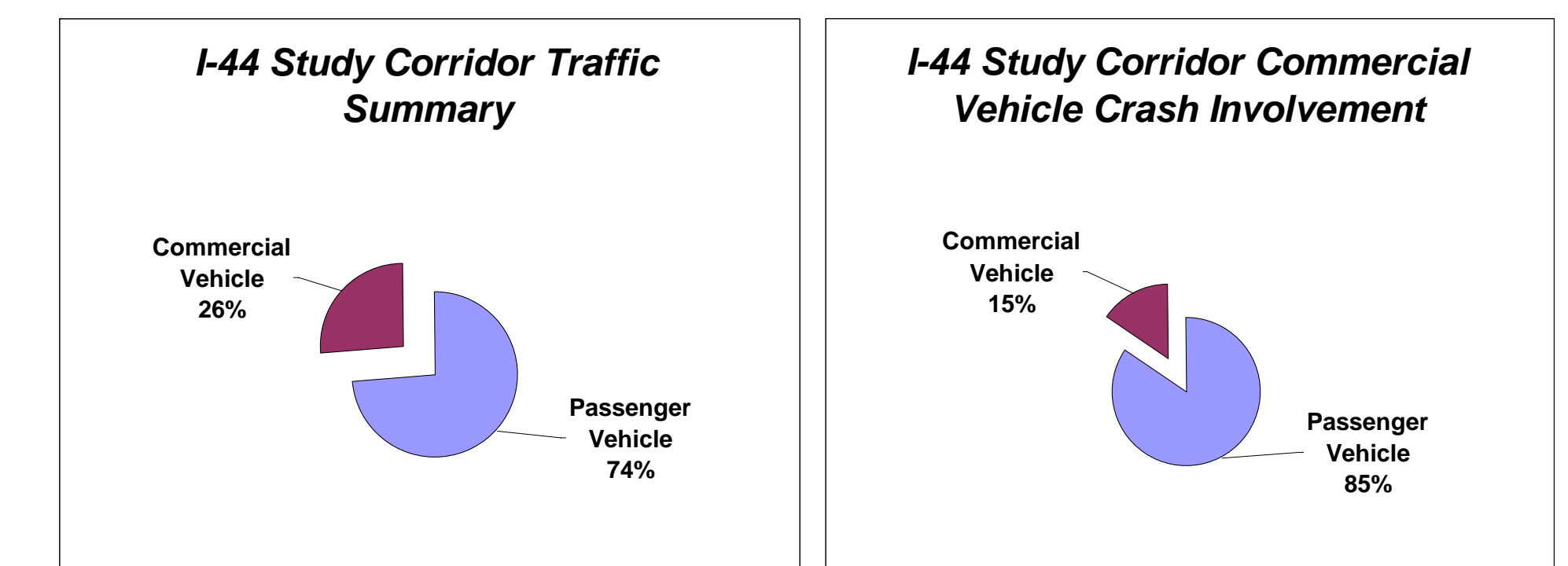


#### Crash Rate and Severity Analysis

- Overall, I-44 has a lower Crash and Injury Rate compared to the Missouri State Average for Interstates.
- Crash Rate and Injury Rate increase in more urbanized areas.
- The Fatality Rate is higher nearly corridor wide compared to the Missouri State Average for Interstates.
- In general, the severity of crashes on I-44 is of most significance, not the raw number of crashes.

### Commercial Vehicle Crashes Within I-44 Study Corridor

*Crashes in which at least one vehicle involved was a commercial vehicle*



#### Commercial Vehicle Crash Analysis

- Corridor wide, Commercial Vehicles account for 26% of the traffic volume, but are only involved in 15% of the crashes. This is reasonably constant across the entire study corridor.
- Commercial Vehicle crashes tend to be more severe than passenger vehicle crashes.