Preliminary Motorcycle Crashes
Tippecanoe County
2011-2013

The Area Plan Commission of Tippecanoe County compiles this crash data to encourage public safety and awareness and to help identify hazardous locations that may require further study or qualify for Indiana's Highway Safety Improvement Program funding. This report was prepared in cooperation with the State of Indiana, Indiana Department of Transportation and the Federal Highway Administration.

Due to incomplete reports, geo-location errors, and limitations and errors caused by the reporting systems, not all data and circumstances pertaining to Tippecanoe County crashes are included in this report. The Indiana State Police Crash Records Database is the primary data source for this report. Additional fact checking and quality control reviews have been conducted with the intent to provide the best summary of the available data.

This report contains information that is protected from disclosure by Federal Law, 23 USC Section 409:

> Notwithstanding any other provision of law, reports, surveys, schedules, lists, or data compiled or collected for the purpose of identifying, evaluating, or planning the safety enhancement of potential accident sites, hazardous roadway conditions, or railway highway crossings, pursuant to sections 130, 144, and 148 of this title or for the purpose of developing any highway safety construction improvement project which may be implemented utilizing Federal-Aid highway funds shall not be subject to discovery or admitted into evidence in a Federal or State court proceeding or considered for other purposes in any action for damages arising from any occurrence at a location mentioned or addressed in such reports, surveys, schedules, lists, or data.

In 2013, there were 134 crashes involving motorcycles, mopeds, or motorized scooters that occurred on public right of way (crashes on private property are removed from this analysis). Of those crashes, 108 had at least one injury and 4 had at least one fatality. There were 132 injuries and 4 fatalities in those crashes. Of the 4 fatalities, 3 were motorcycle drivers and 1 was a motorcycle passenger. Table 1 gives this breakdown.

Table 1: Motorcycle Crash Injury and Fatality Information

Motorcycle Crash Statistic	2013	2012	2011
Crashes with injuries	108	87	92
Number of injuries	132	98	103
Crashes with fatalities	4	4	4
Number of fatalities	4	4	4

Most of the motorcycle crashes in 2013 occurred within the city limits of Lafayette or West Lafayette. There were no areas outside of the city limits where crashes were concentrated (Figure 1 and 2).

Figure 1: Location of Motorcycle Crashes in Tippecanoe County

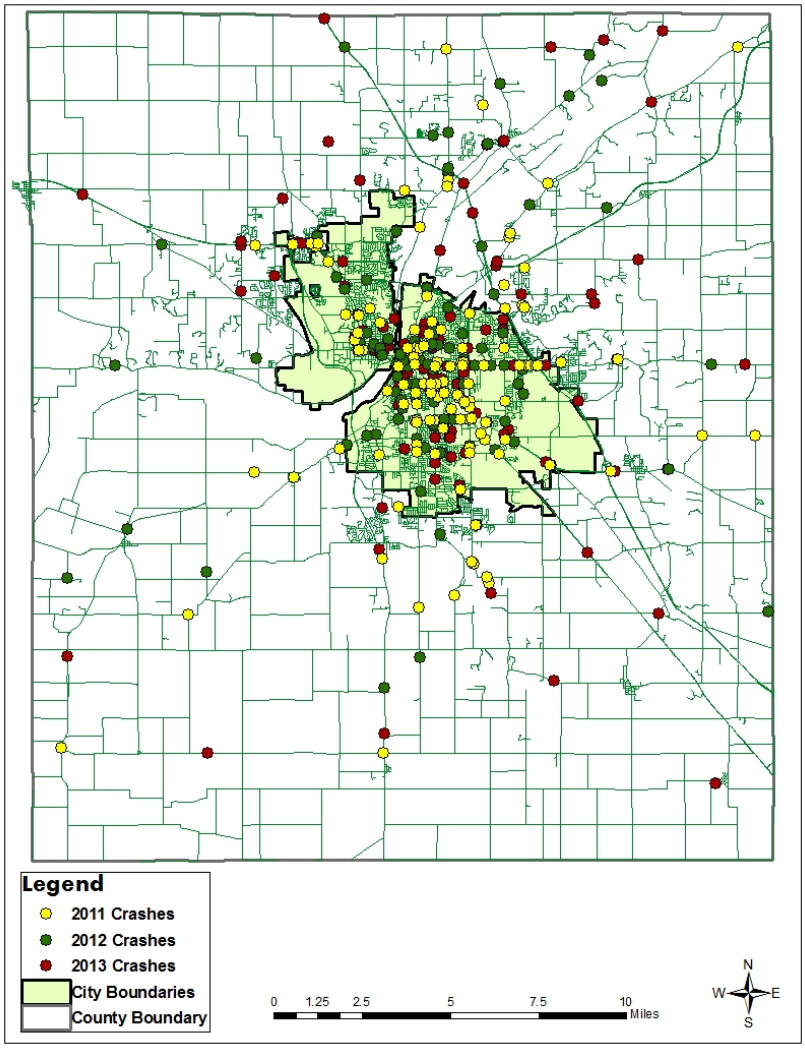
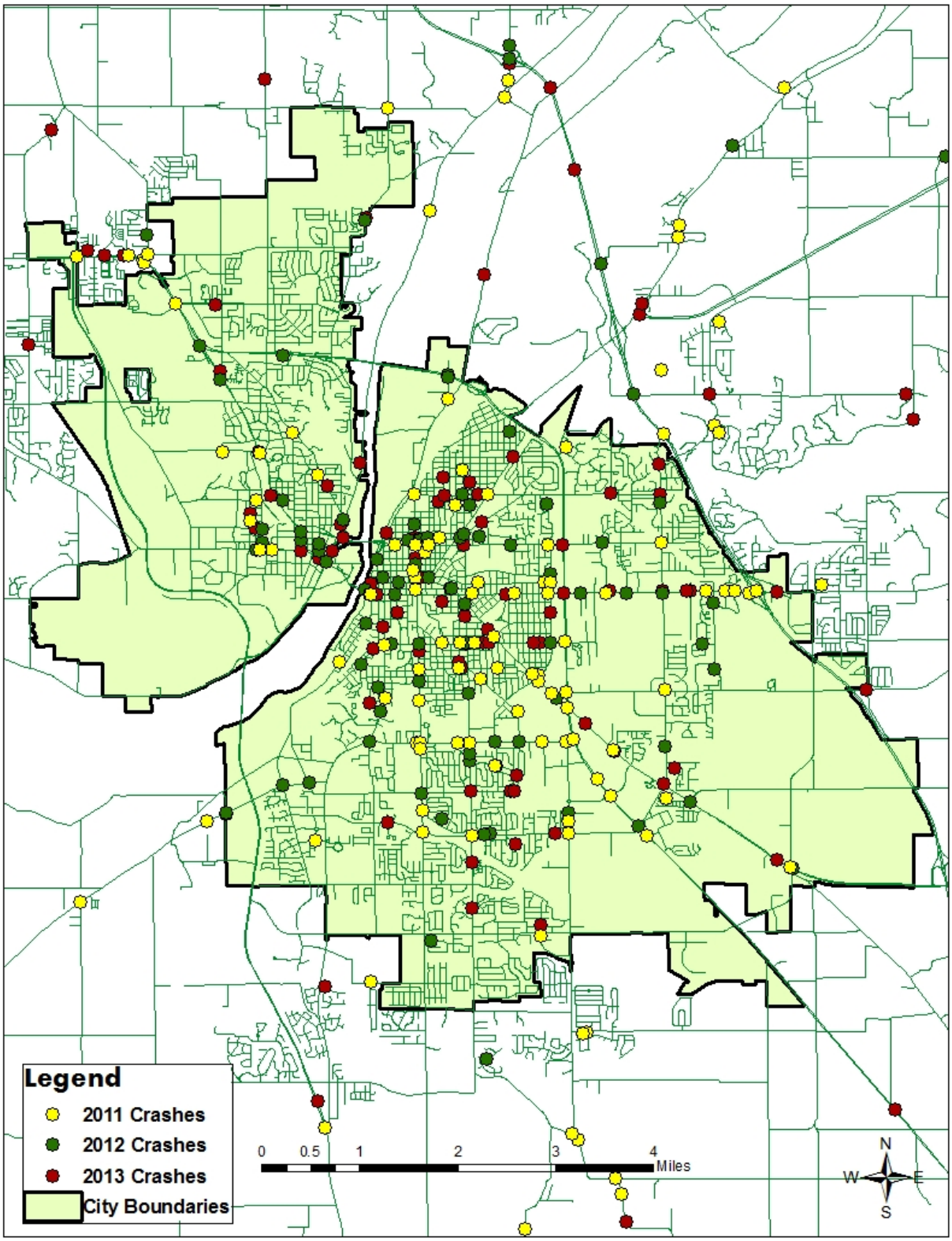


Figure 2: Location of Motorcycle Crashes in Urban Area



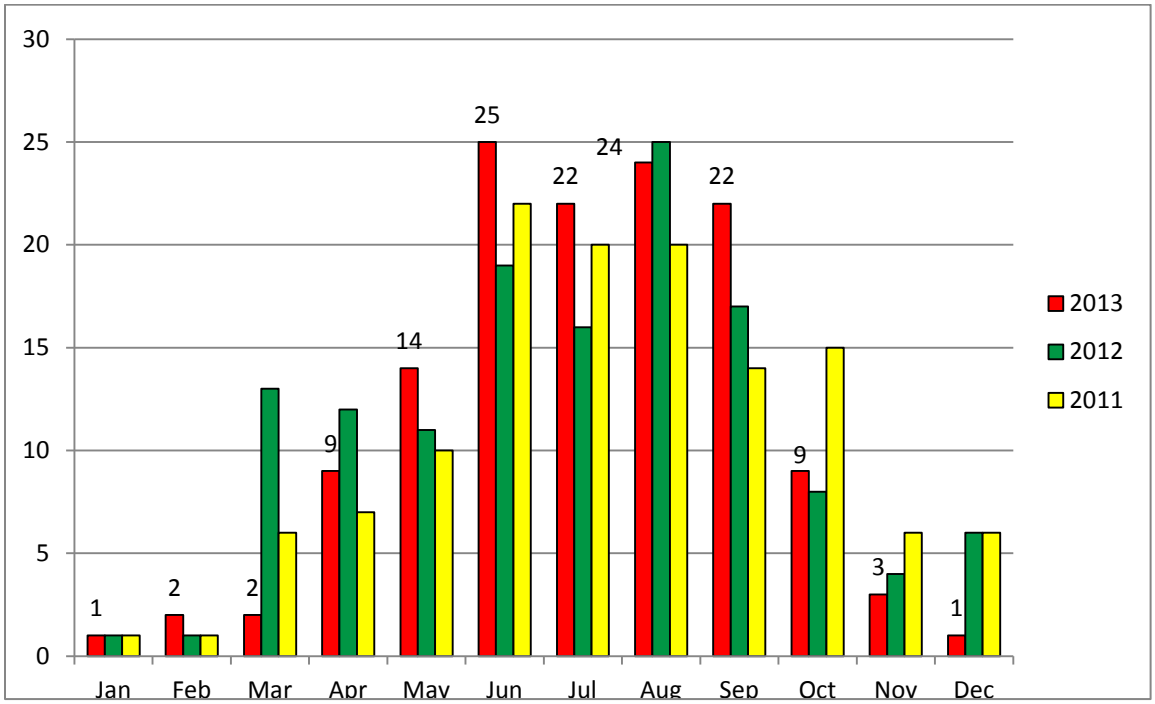
Single vehicle crashes were the most common type of motorcycle crashes. Table 2 shows that in 2013 “non-collision” and “ran off road” were the two most common types. There were a total of 61 crashes in 2013, 61 crashes in 2012, and 52 crashes in 2011 that did not involve another vehicle.

Table 2: Manner of Collision in Motorcycle Crashes

Manner of Crash	2013	2012	2011
NON-COLLISION	27	11	15
RAN OFF ROAD	19	32	23
LEFT TURN	19	11	21
RIGHT ANGLE	16	18	20
REAR END	15	23	22
SAME DIRECTION SIDESWIPE	10	7	8
HEAD ON	9	6	6
OTHER - EXPLAIN IN NARRATIVE	7	15	6
OPPOSITE DIRECTION SIDESWIPE	5	1	2
BACKING CRASH	3	6	3
RIGHT TURN	3	2	2
REAR TO REAR	1	0	0
LEFT/RIGHT TURN	0	1	0
TOTAL	134	133	128

The summer months of June, July, August, and September had the highest number of motorcycle crashes with the least in January and February.

Figure 3: Motorcycle Crashes by Month (2011-2013)



Friday and Saturday had the highest number of motorcycle crashes, but crashes were relatively high every day of the week.

Table 3: Motorcycle Crashes by Day of the Week

	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Total
2013	14	11	23	22	25	24	15	134
2012	14	23	16	12	28	22	18	133
2011	24	14	15	21	16	29	9	128

The highest number of crashes occurred from 5-6 p.m. (38) with a high number of crashes between 2:00 p.m. and 9:00 p.m. The numbers of crashes were lowest in the early morning hours.

Figure 4: Motorcycle Crashes by Time of Day (2011-2013)

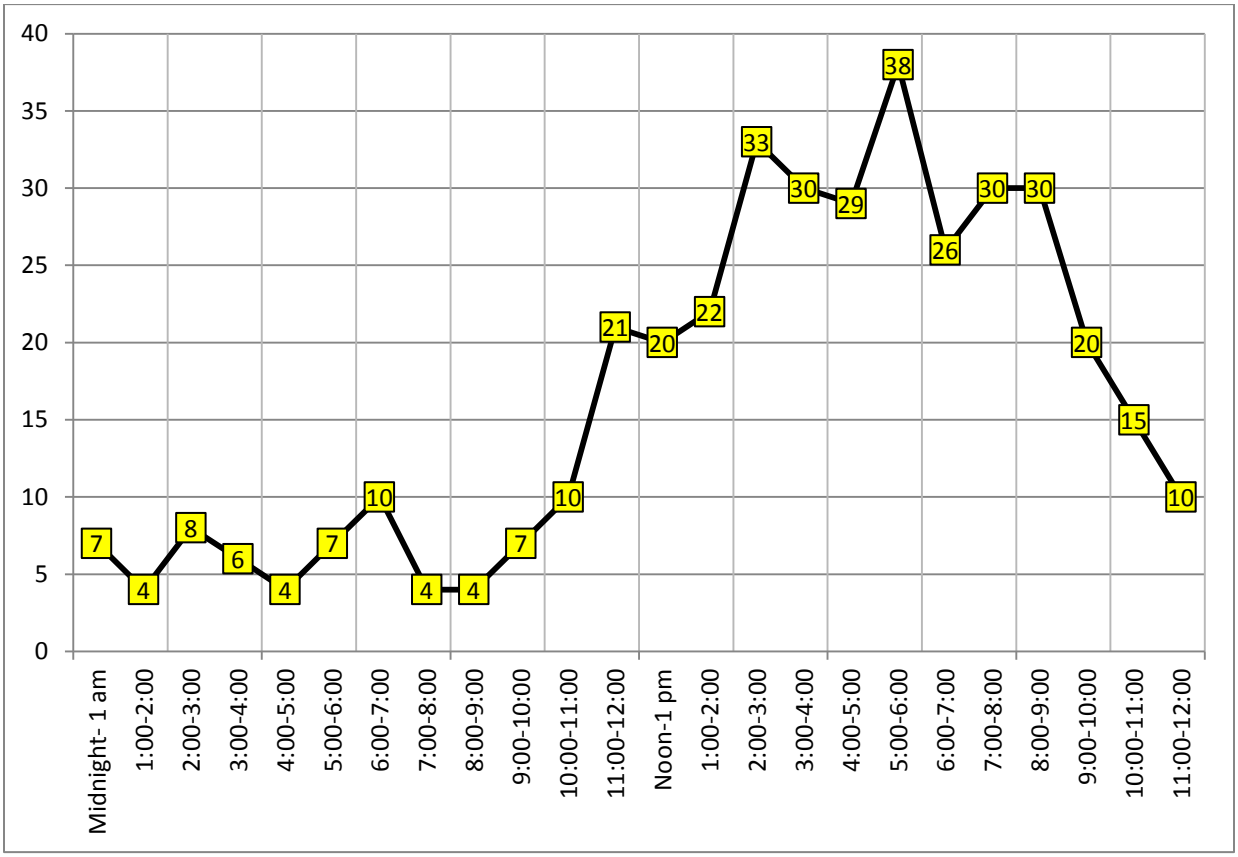


Table 4: Motorcycle Crashes by Time of Day (2011-2013)

Time	2013	2012	2011
Midnight- 1 am	2	3	2
1:00-2:00	0	1	3
2:00-3:00	3	3	2
3:00-4:00	2	4	0
4:00-5:00	0	3	1
5:00-6:00	3	2	2
6:00-7:00	3	2	5
7:00-8:00	1	1	2
8:00-9:00	1	1	2
9:00-10:00	3	4	0
10:00-11:00	4	3	3
11:00-12:00	4	5	12
Noon-1 pm	5	8	7
1:00-2:00	5	11	6
2:00-3:00	11	13	9
3:00-4:00	12	10	8
4:00-5:00	8	11	10
5:00-6:00	16	12	10
6:00-7:00	8	10	8
7:00-8:00	10	10	10
8:00-9:00	13	7	10
9:00-10:00	8	4	8
10:00-11:00	8	1	6
11:00-12:00	4	4	2
Total	134	133	128

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