



WILDWOOD

ANNUAL VEHICLE CRASH ANALYSIS: 2018



BUREAU OF RESEARCH & ANALYSIS | ST. LOUIS COUNTY POLICE DEPARTMENT

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Saint Louis
COUNTY

POLICE



May 31, 2019

Mr. Joe Vujnich/ Mr. Steve Cross
City Administrators
City of Wildwood
16860 Main Street
Wildwood, MO 63040

Gentlemen,

I am pleased to present the 2018 City of Wildwood-Vehicle Crash Analysis Report. This report, which was developed by Wildwood Precinct Police staff and members of the Crime Analysis Unit of the St. Louis County Police Department, is an in-depth statistical profile and analysis of reported crashes in the City of Wildwood. Our goal is to provide a comprehensive look at driving behaviors, facts and circumstances surrounding crashes that have occurred in the City of Wildwood.

By analyzing past trends, we hope to develop effective strategies designed to curb dangerous driving behaviors through education and targeted traffic enforcement in areas where crashes are most prevalent. This report also provides an opportunity for discussion with City staff and MODOT representatives about possible physical roadway improvements that could be implemented to improve safety such as, additional signage, traffic control devices and suggested speed limit adjustments.

The primary goal of this report is ultimately, by reviewing past crash data, to allocate police resources and implement patrol strategies that will reduce the amount of crashes, injuries and fatalities throughout the City of Wildwood.

Please contact me if you have questions or wish to discuss the report.

Sincerely,

Captain James Mundel
Commander
Wildwood Precinct
St Louis County Police Department



"Committed to Our Citizens Through Neighborhood Policing"

INTRODUCTION

The St. Louis County Police Department produces an annual report identifying the locations and trends of vehicle crashes occurring within the City of Wildwood. By identifying the locations and trends of crashes, the purpose of this report is to help the St. Louis County Police Department, City of Wildwood, the St. Louis County Department of Transportation, and Missouri Department of Transportation. Beyond determining where the St. Louis County Police Department should conduct directed traffic enforcement, this report further aims to help aid the City of Wildwood, the St. Louis County Department of Transportation, and the Missouri Department of Transportation in making changes to infrastructure. For instance, alternatives to enforcement that should be considered when discussing crash reduction efforts include: refining road signage, making roadway improvements, adjusting speed limits, and promoting safer driving behaviors. The overall goal of this process is to reduce the total number of crashes, and to reduce the number of injuries and deaths which occur because of crashes.

The information in this report was gathered from reports prepared for vehicle crashes which occurred within the City of Wildwood from January 1, 2018 to December 31, 2018. It is important to understand while most crashes are reported, some crashes go unreported and are not accounted for in this report. Crash data is gathered manually and entered into an independent database at the Wildwood Precinct. A significant effort was made to correct data errors and to ensure validity. Some changes in the methodology of report preparation occurred to present the most valid data possible. Consequently, some inconsistencies may be noticeable if a comparison is made with any previously published annual crash reports.

This analysis includes the following: an overview of the crashes in 2018 including an analysis of crashes resulting in injuries or fatalities, probable contributing circumstances, a comparison of the number of crashes occurring annually between 2014 and 2018, an analysis of the crashes occurring on the 5 major roadways, roundabouts, and deer strike locations.

2018 OVERVIEW

Overall in 2018, the City of Wildwood saw a 3.9% increase in the number of crashes compared to 2017, increasing from 513 to 533 crashes. Figure 1 on page 4 shows the concentration of crashes by street segment. This map shows the streets with the highest concentration of crashes in red and lower concentrations in blue. Table 1 and Table 2 list the locations of crashes which occurred in the City of Wildwood in 2018. As with previous years, Highway 109 and Highway 100 are the roadways with the highest number of crashes.

Beyond location, several other factors can influence the number of crashes such as time of day, day of the week, road type and weather conditions. To analyze crashes related to the time of day, crashes were grouped into four broad time-of-day ranges which correlate to heavy traffic periods. While the time periods are not uniformly divided into equal time periods, they divide a 24-hour period into identifiable time periods for purposes of comparison. The first group consists of crashes which occurred between 6am and 9am, which is the morning rush hour. The next group consists of crashes which occurred during the day between 9am and