

Michigan Left Turn Preston Road at Legacy Drive

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Michigan Left Turn

- Opened July 27, 2010, Fully Opened September 1, 2010
 - Left Turn signal heads and Left Turn pavement markings removed between July 27th and August 31st.
- Crash statistics include periods designated as before and after installation excluding the construction period (July 28, 2009 – August 31, 2010).
 - Before (11/01/07 to 07/27/09)
 - After (09/01/10 to 05/31/12)



Methodology

1. Intersection, a 30 foot radius, and north and south turnarounds (excluding Texas U-turns at this location).
2. All crashes occurring in this area regardless of the cause.



Crash Data

Intersections with a 30 foot radius including turnarounds

- 53 crashes reported prior to installation of Michigan Left Turn
 - Data from 11/01/07 to 07/27/09
- 45 crashes reported after installation
 - Data from 09/01/10 to 5/31/12
- 15% Decrease in Crashes

Crash Locations Prior to Michigan Turn Installation

This is a map of all crashes occurring within the intersection as well as 30 feet from the intersection between Nov 1, 2007 and July 27, 2009. Green indicates inside the intersection, yellow indicates within a 30 foot radius.



Total of 53 crashes during this period.



Crash Locations after Michigan Turn Installation

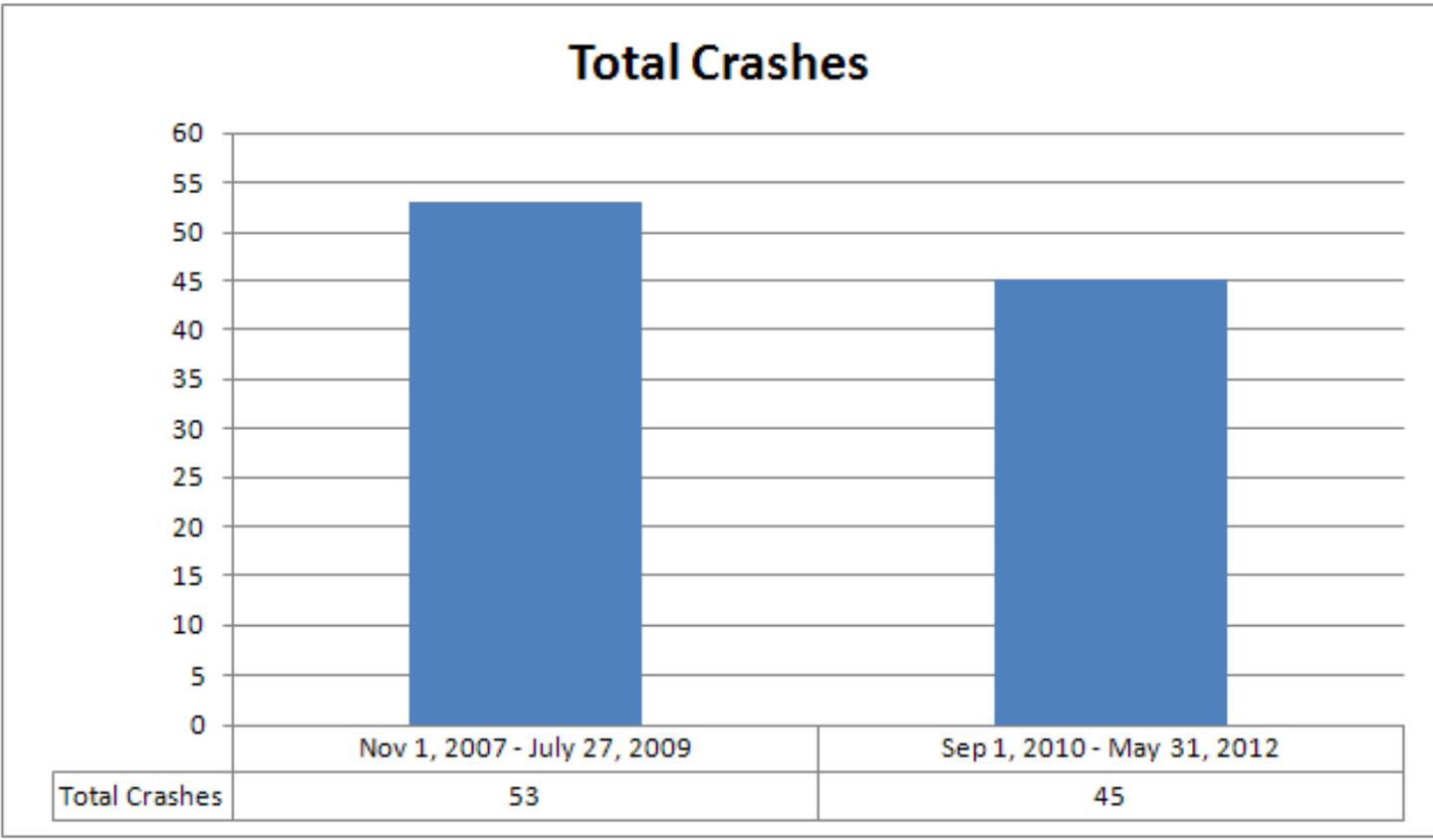
Crash locations following the modification to the intersection. The crashes in green are considered inside the intersection, yellow are within 30 feet and red are in the turnarounds.



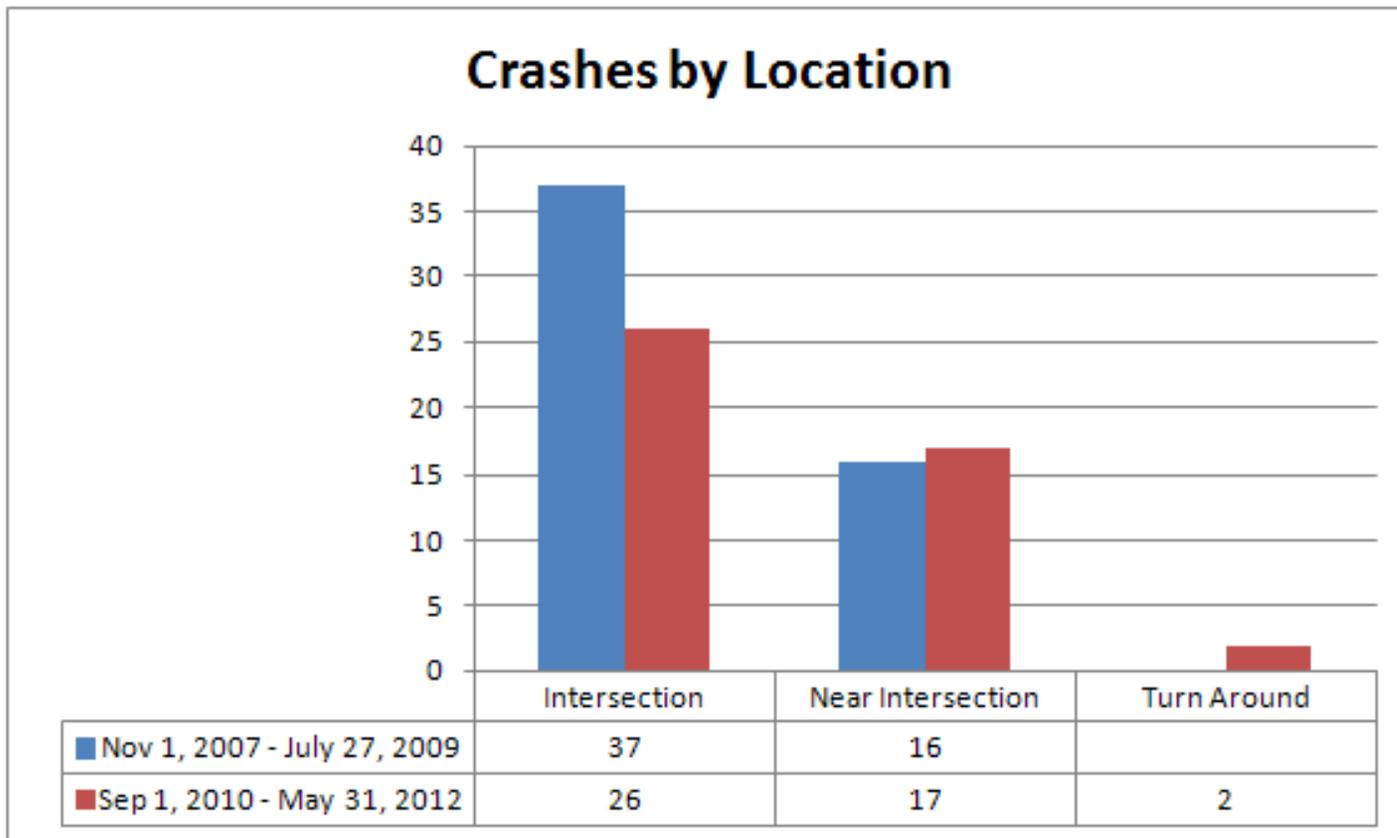
Crash locations between Sep 1, 2010 and May 31, 2012.

Total of 45 crashes during this time period.

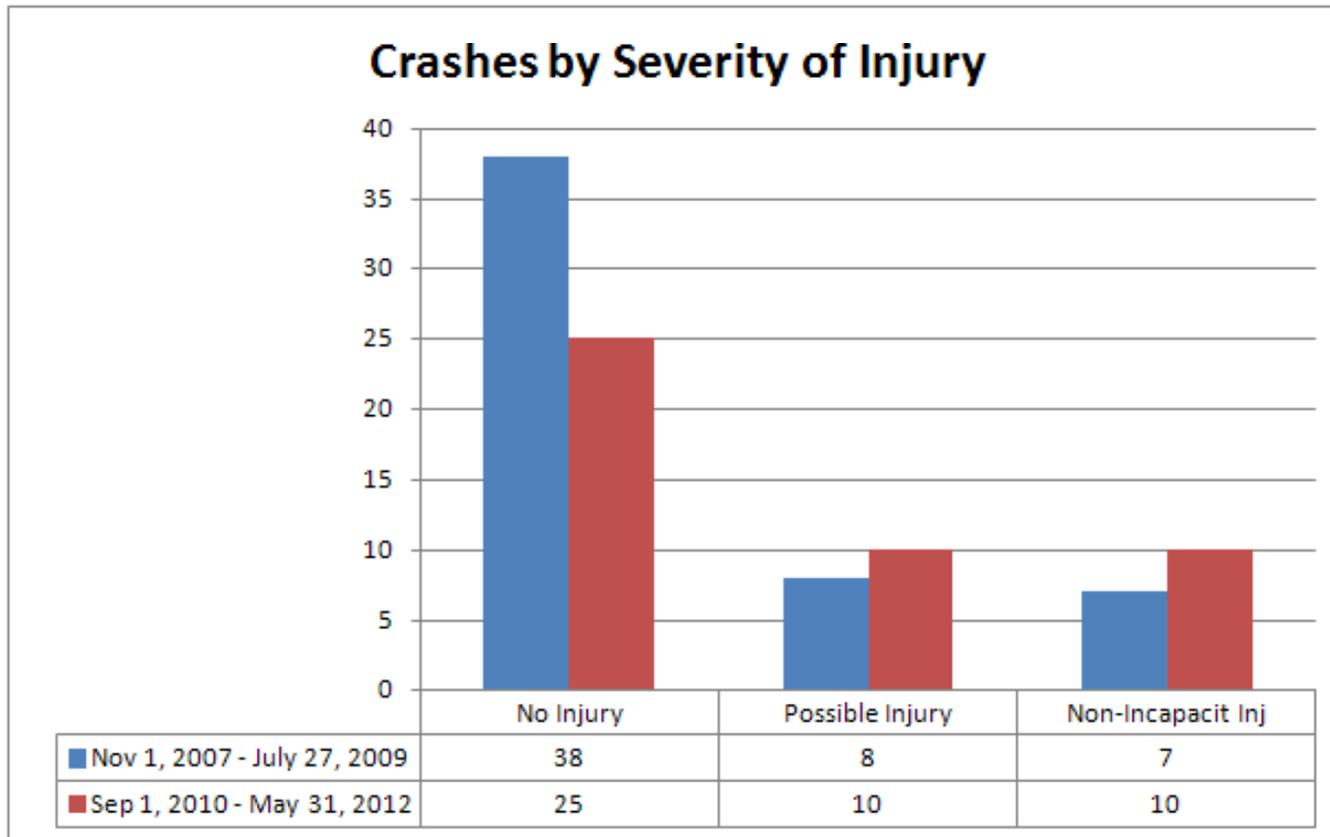
Preston/Legacy



Preston/Legacy



Preston/Legacy

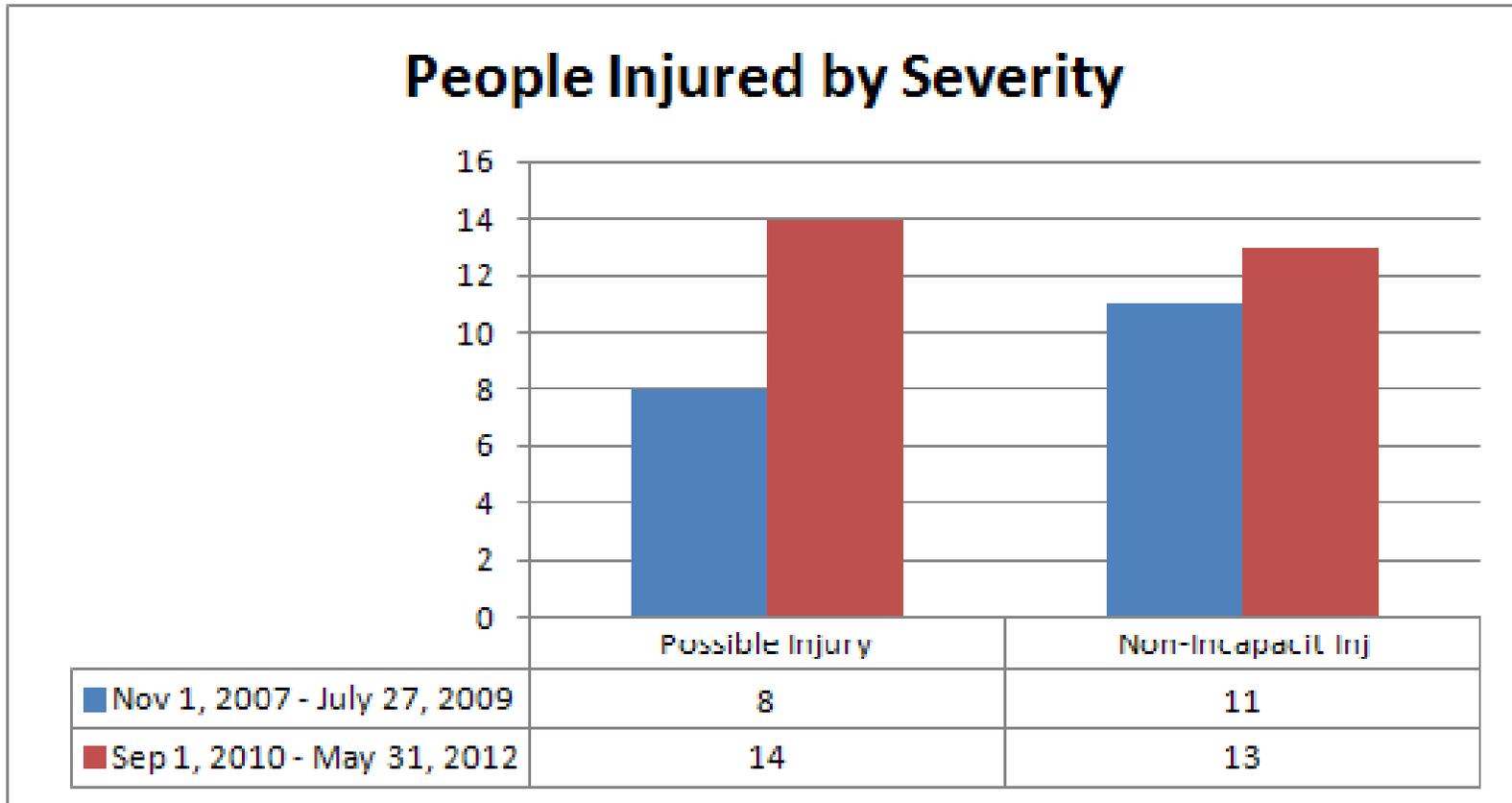


Before – 28% of crashes involved injuries
 After – 44% of crashes involved injuries



Preston/Legacy

People Injured by Severity



42% Increase in Injuries



Crash Causes

Before (Nov 1, 2007 thru July 27, 2009) & **After** (Sep 1, 2009 thru May 31, 2012)
Factors and Conditions based on Officer reports

Causes	Before	After
Disregard Stop & Go Signal	17	17
Failed to yield ROW – Turning Left	14	0
Fail to Control Speed	8	8
Disregard Intersection Turn Marks	1	6
Changed lane when unsafe	7	1
Followed to Closely	4	6
Driver Inattention	0	3
Other	2	4