



MEMORANDUM

Date: February 21, 2013

To: The Honorable Chairman and Members
Pima County Board of Supervisors

From: C.H. Huckelberry
County Administrator

A handwritten signature in black ink, appearing to read "CHH", is written over the printed name "C.H. Huckelberry".

Re: **2012 Traffic Safety Management Report**

The Pima County Department of Transportation annually completes a statistical analysis of a number of highway crashes on the system under the jurisdictional responsibility of the County, primarily the unincorporated area. The Traffic Safety Management System program analyzes and reviews vehicle, bicycle and pedestrian traffic accidents throughout the County. The executive summary of the report is attached to this memorandum.

In addition, a compilation of all accidents and their distribution by intersection signal location is available for your use. If you would like a complete 2012 Safety Management Report, please contact Transportation Director Priscilla Cornelio.

CHH/dph

Attachment

c: John Bernal, Deputy County Administrator for Public Works
Priscilla Cornelio, Director, Transportation Department
Seth Chalmers, Traffic Engineering Division Manager

EXECUTIVE SUMMARY

The Pima County Department of Transportation (PCDOT) Traffic Engineering Division (TED) has completed the 2012 Safety Management System (SMS) Program Annual Update Report, which reviews the crashes on unincorporated Pima County roads in the calendar year 2011. This is the tenth annual SMS report that includes a discussion of our SMS program as well as a listing of the calendar year crash statistics.

In calendar year 2011, the total number of crashes decreased 16% below calendar year 2010, from 3,363 to 2,902 (see Table 3-1).

Crashes involving a **fatality** were down 5.8% from 18 in 2010 to 16 in 2011. The numbers of serious injury crashes were down from 94 in 2010 to 93 in 2011. The number of **DWI fatal** crashes was the same number they were in 2010 at 6. **Fatal** crashes involving excessive speeding (greater than 20 mph over the posted speed limit) increased to 3 in 2011, up from 0 in 2010 and 2 in 2009. Total motorcycle crashes decreased 15% from 124 in 2010 down to 106 in 2011. **Fatal motorcycle** crashes decreased to 5 in 2011, down from 6 in 2010 and 9 in 2009. There was an increase in **fatal** crashes involving teen drivers-from 1 in both 2009 and 2010 to 4 in 2011.

Pedestrian crashes decreased in 2011. Pedestrians were involved in 24 crashes in 2011 compared to 28 in 2010. Total bicycle crashes decreased again in 2011 to 46. This is the third year that the number of crashes has significantly dropped since it was first tracked in 2008 with 59 bicycle involved crashes. Fatal and Serious Injury bicycle crashes also decreased significantly. There were 3 fatal or serious injury bicycle crashes in 2011, down from 7 in 2010, 11 in 2009 and the high of 14 in 2008.

The emphasis of TED and SMS has often been on spot treatments for specific locations. This emphasis has begun to shift to system-wide crash prevention and studies. Location specific fixes will still be mitigated where necessary, but the continuation of repeatedly 'fixing' spots that have capacity related issues, will be reduced.

TED safety project accomplishments during calendar year 2011 included the following:

	LOCATION	SCOPE
1	Aviation Parkway - Richey Boulevard to Technical Drive	Installation of Jersey barrier to outside of curve, roadway lighting, Digital Speed Sign, new pavement and restriping
2	Crosswalk Restriping	Installation of new thermoplastic for all existing pedestrian and school crosswalks
3	ITS Upgrades	Replacement of traffic signal cabinets, installation of LED lamps, and video detection
4	Misson Road at Irvington Road	Installation of roadway lighting for north, south, and west intersection approaches and addition of advance signal warning signs.
5	Palo Verde Road H.A.W.K.	Installation of H.A.W.K. signal at Lincoln Road.
6	Picture Rocks @ Sandario Road Beacon	Installation of Flashing Red Beacon at All-Way Stop Intersection
7	SB Alvernon @ Ajo Way	Installation of an advance intersection warning beacon
8	Sign Post Upgrades	Installation (ongoing) to replace all County sign installations with square tube breakaway posts
9	Speed Monitoring Signs	Installation of Digital Speed Monitoring signs on Campbell Avenue and on Aviation Parkway in the Richey Boulevard area.
10	Tanque Verde Loop Road Warning Flashers	Installation of advance warning beacons and signs at the Tanque Verde Wash crossing