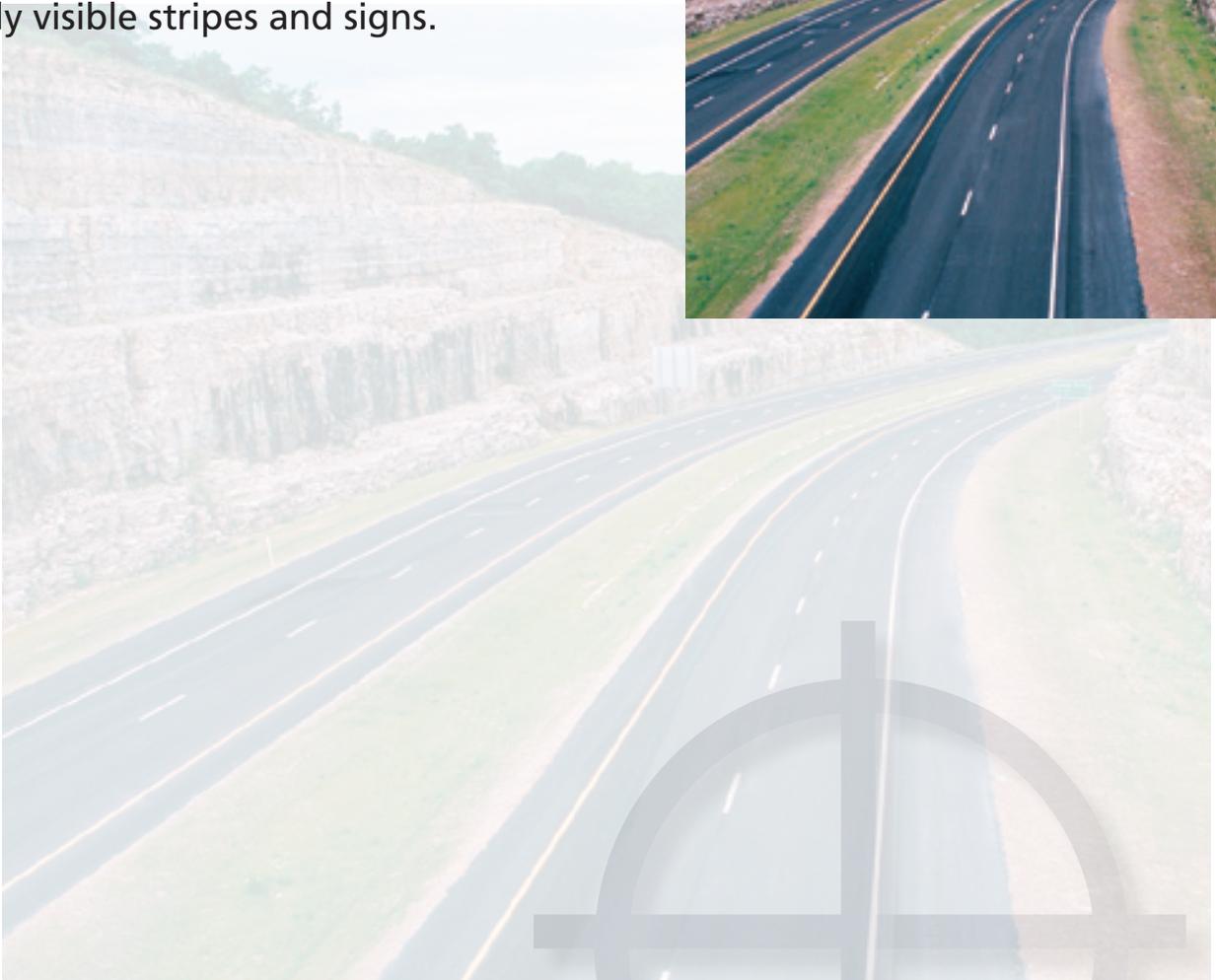
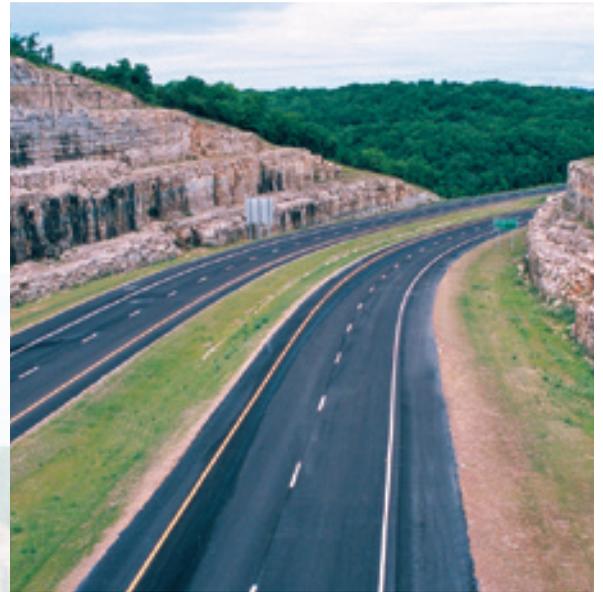

Roadway Visibility

*Tangible Result Driver – Don Hillis,
Director of Operations*

Good roadway visibility in all weather and light conditions is critical to safe and efficient travel. MoDOT will delight its customers by using top-quality and highly visible stripes and signs.



Roadway Visibility

Percent complete on MoDOT striping program

Results Driver: Don Hillis, Director of Operations

Measurement Driver: Jim Carney, State Maintenance Engineer

Purpose of the Measure:

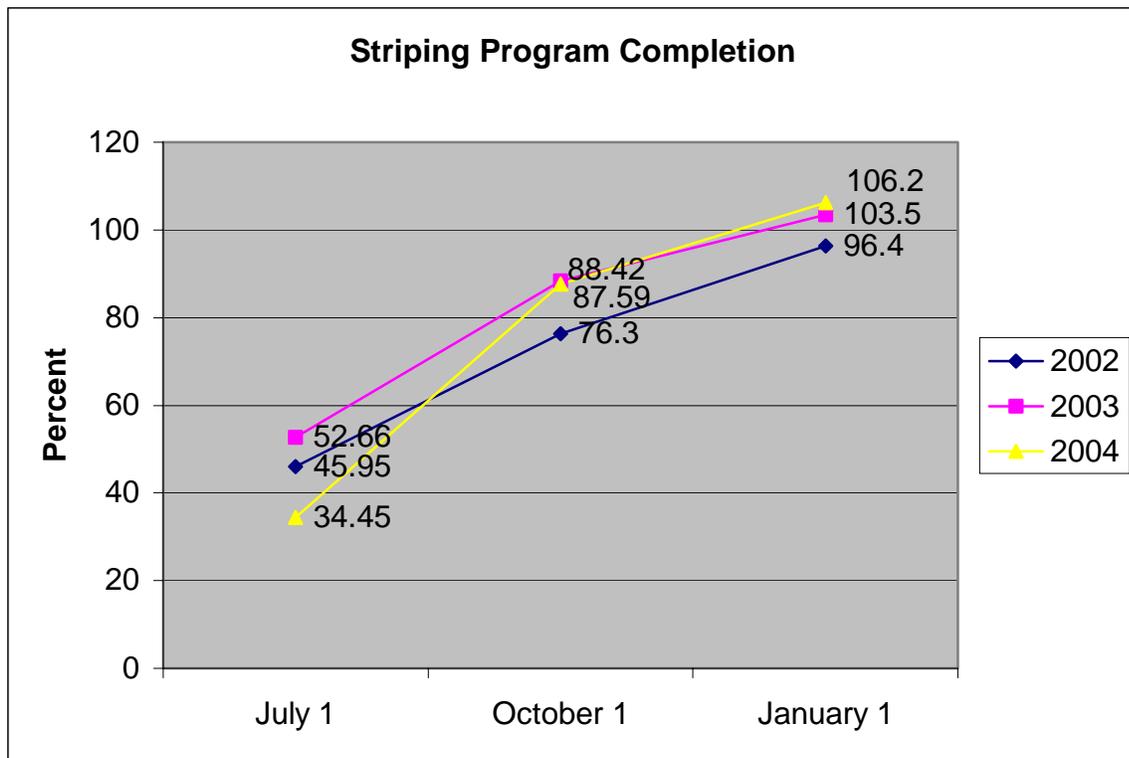
This measure tracks the amount of MoDOT's striping program that is completed each year on the state system to maintain motorist visibility.

Measurement and Data Collection:

The measurement is the percent of the striping program completed. The striping program consists of those line miles of striping that our MoDOT forces need to repaint each year. During the striping season, March through December, the districts report on a bi-monthly basis the amount of striping their crews have accomplished.

Improvement Status:

The department has been able to accomplish all of its needed striping and will continue to evaluate what resources are needed to assure completion of the striping program as it grows over time.



Roadway Visibility

Rate of nighttime crashes

Results Driver: Don Hillis, Director of Operations

Measurement Driver: Jim Brocksmith, Technical Support Engineer

Purpose of the Measure:

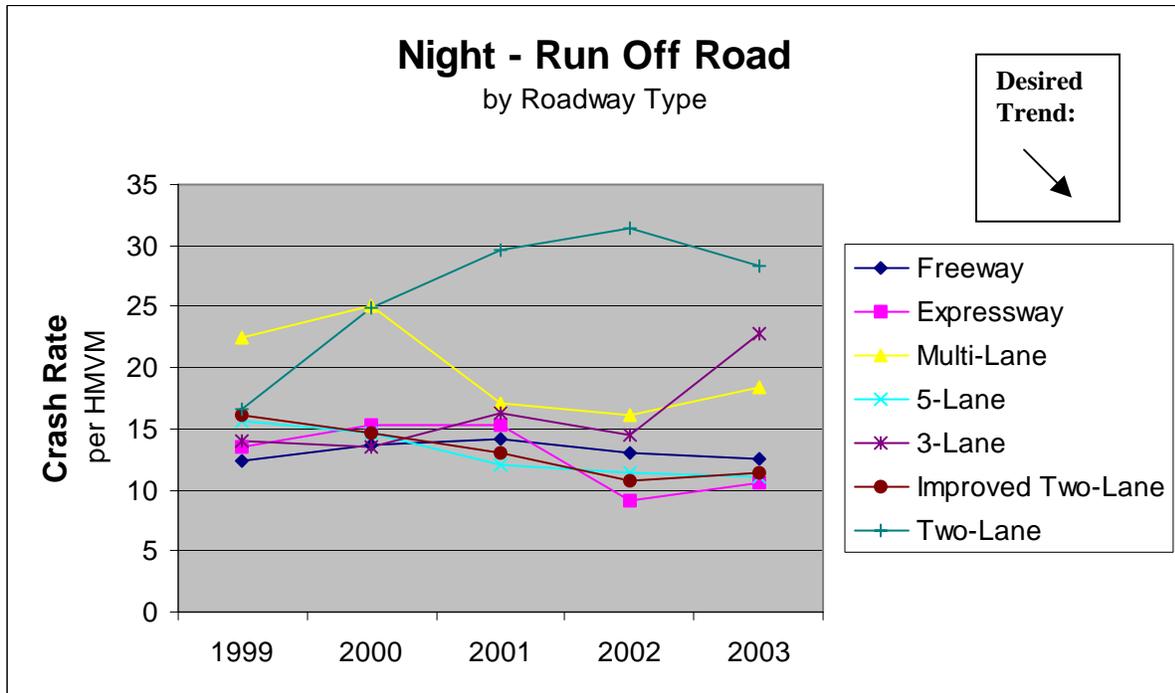
This measure tracks the types of crashes where visibility may be a contributing factor.

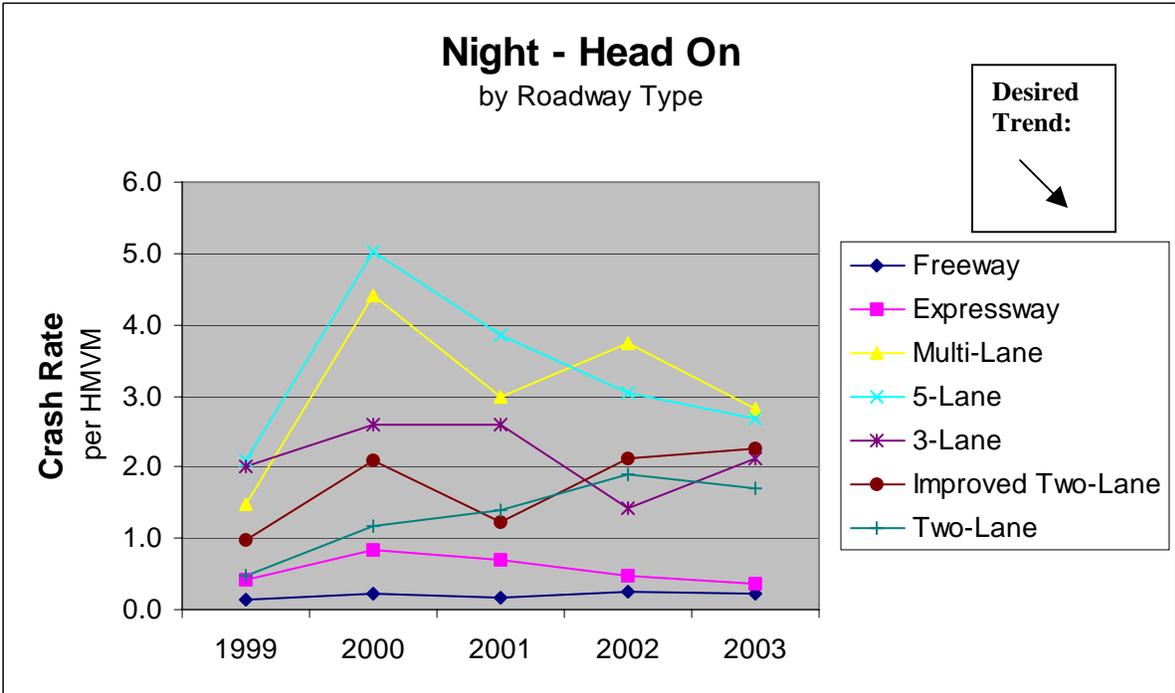
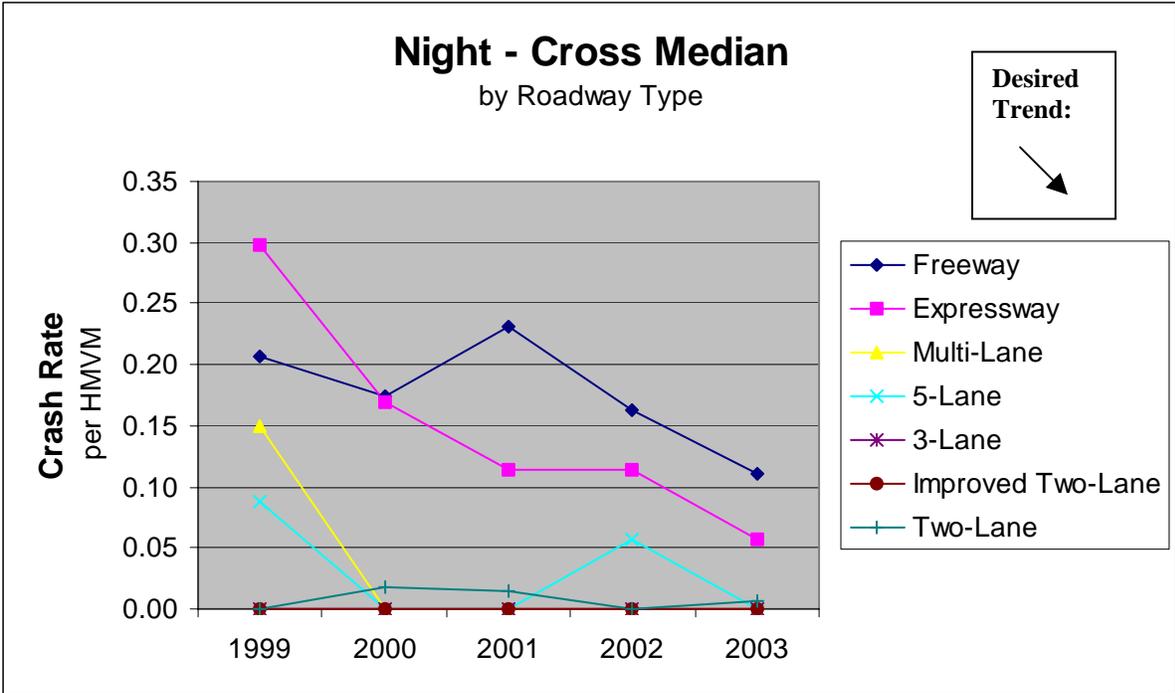
Measurement and Data Collection:

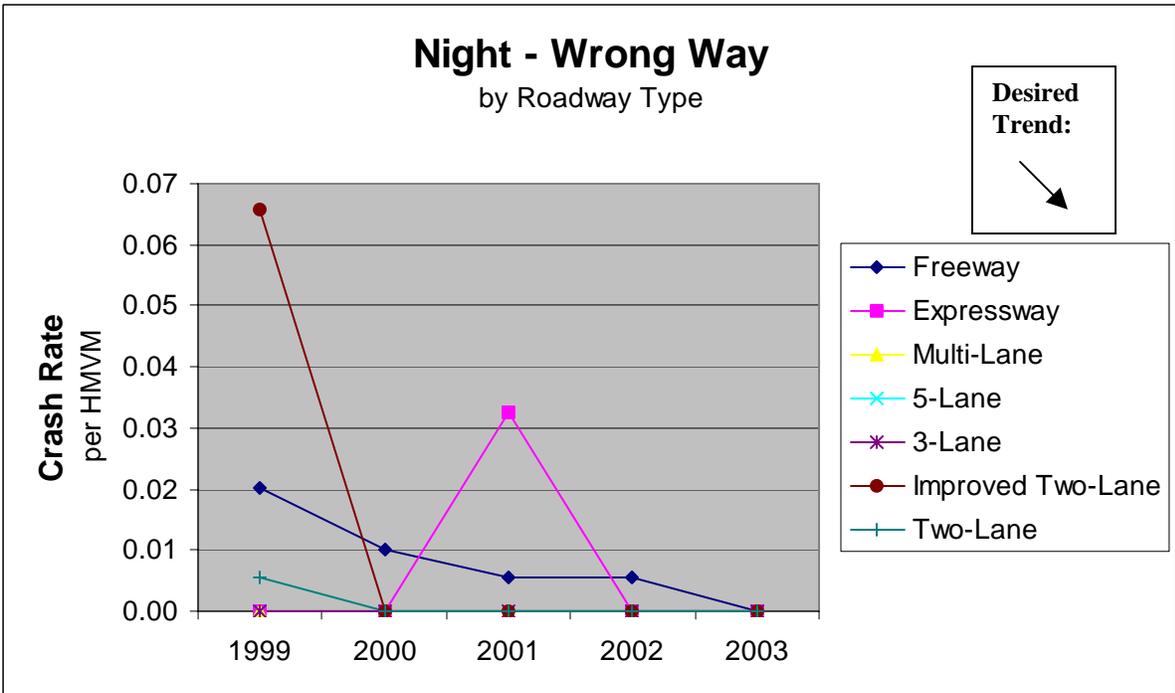
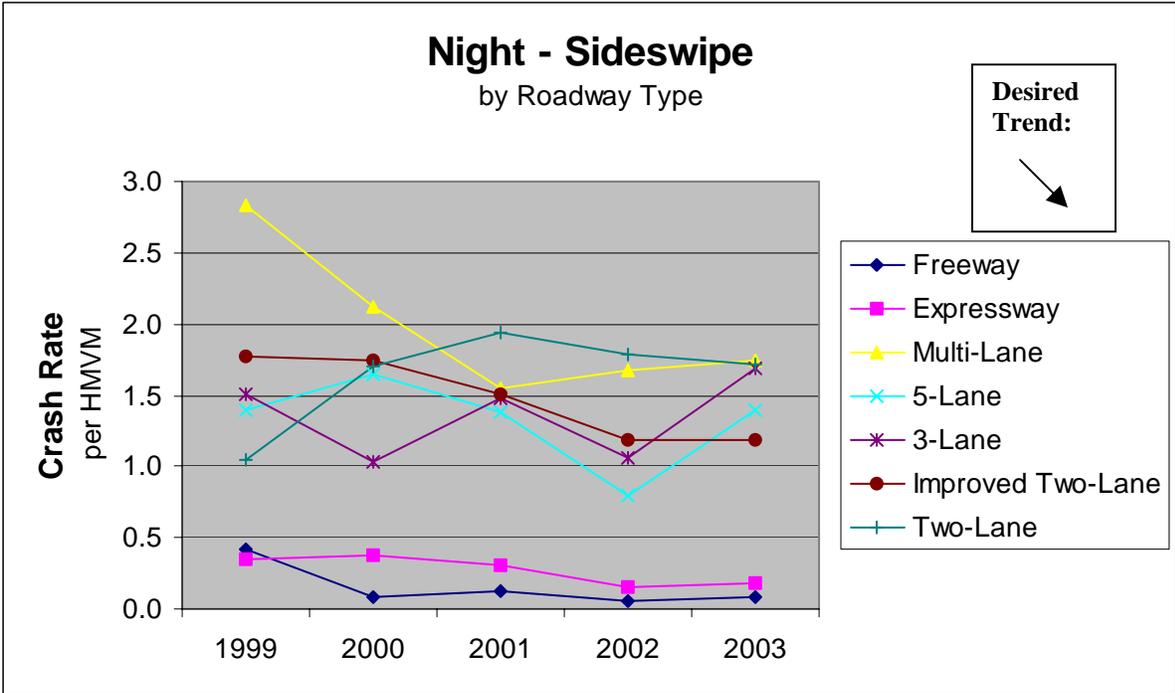
Data is collected from the statewide crash database. This data is filtered to identify crashes that occur during night conditions. Further filtering of the data divides these night crashes by roadway types. From there crash rates for the different types of crashes are calculated. The crash rates are calculated using the Average Annual Daily Traffic (AADT) counts and are expressed in the unit, per 100 million vehicle miles (HMVM), which is the national standard for expressing crash rates.

Improvement Status:

The data indicates a downward trend in crash rates from 2000 to 2003 for most roadway types. For those roadway types where there has been an increase in crash rates, further analysis will be done.







Roadway Visibility

Rate of wet weather crashes

Results Driver: Don Hillis, Director of Operations

Measurement Driver: Jim Brocksmith, Technical Support Engineer

Purpose of the Measure:

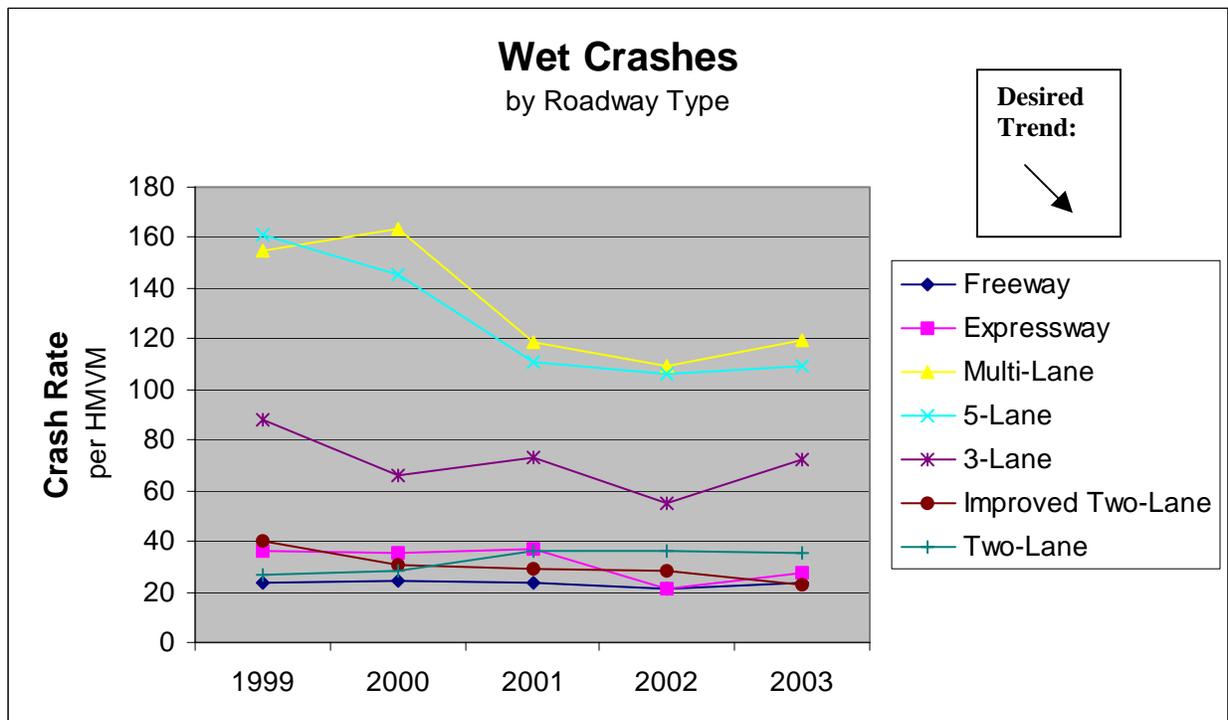
This measure tracks the rate of crashes that have occurred on the state system during wet weather conditions.

Measurement and Data Collection:

Data is collected from the statewide crash database. This data is filtered to identify crashes that occur during wet weather conditions. Further filtering of the data divides these wet weather crashes by roadway types. The crash rates are calculated using the Average Annual Daily Traffic (AADT) counts and are expressed in the unit, per 100 million vehicle miles (HMVM), which is the national standard for expressing crash rates.

Improvement Status:

The trend for most roadways from 1999 thru 2002 shows a reduction in crash rate. In 2003 the crash rate increased for multilane roadways. Further analysis is needed to determine the cause of the increased crash rates.



Roadway Visibility

Percent of signs that meet our customers' expectations

Results Driver: Don Hillis, Director of Operations

Measurement Driver: Eileen Rackers, State Traffic Engineer

Purpose of the Measure:

This measure will track whether the department's sign policy, design, and sign replacement policy is resulting in visible signs that meet the expectations of the customers.

Measurement and Data Collection:

Improvement Status:

**Measure is Under
Development**

Roadway Visibility

Percent of stripes that meet our customers' expectations

Results Driver: Don Hillis, Director of Operations

Measurement Driver: Eileen Rackers, State Traffic Engineer

Purpose of the Measure:

This measure will track whether MoDOT's striping policy, processes and materials used are resulting in visible stripes that meet the expectations of the customers.

Measurement and Data Collection:

Improvement Status:

**Measure is Under
Development**