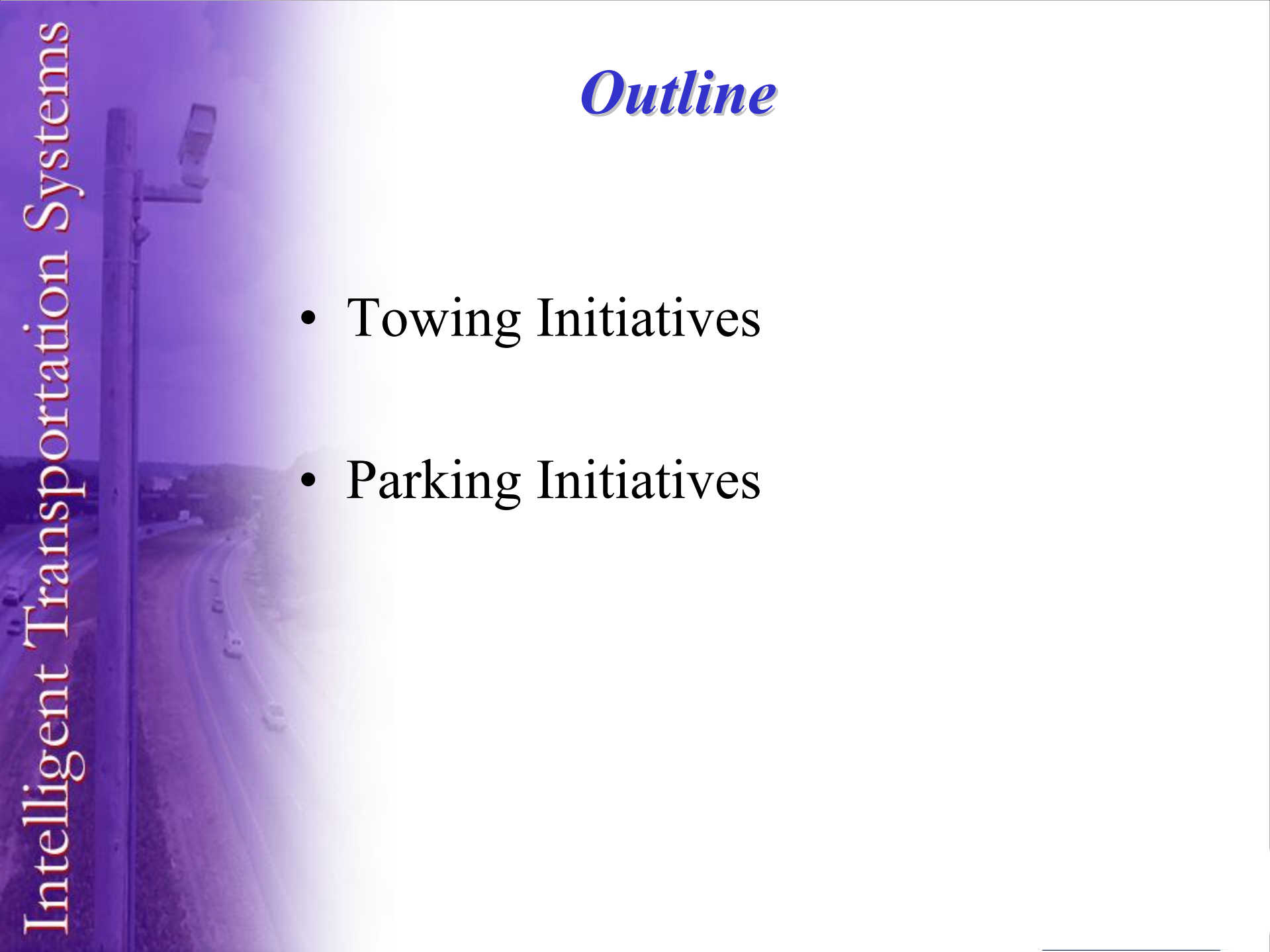


ITS TIME Conference Safe, Quick Clearance

North Carolina Initiatives

October 21, 2008

Brian Purvis, NCDOT



Outline

- Towing Initiatives
- Parking Initiatives

Sources of Congestion

Special Events (5%)

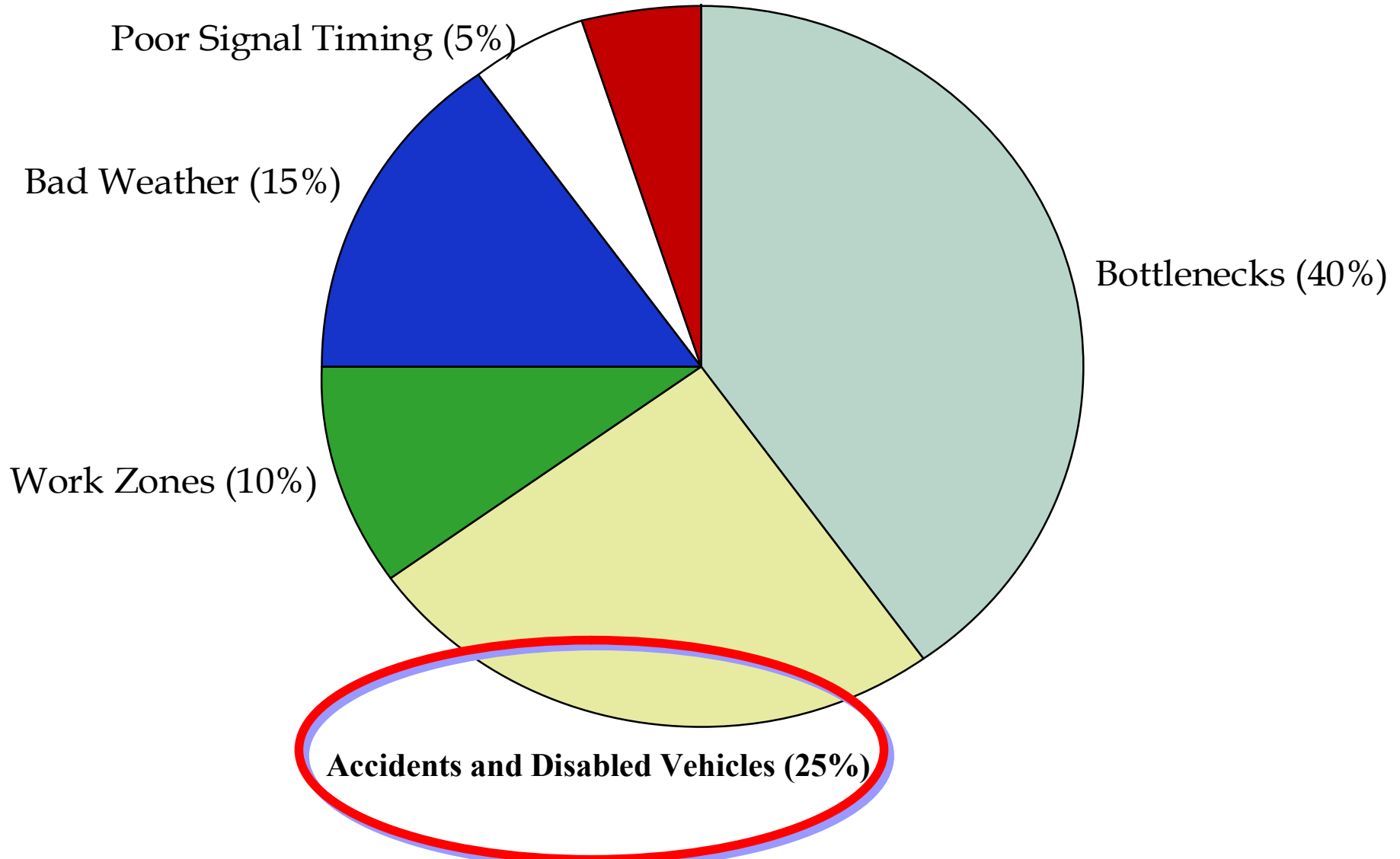
Poor Signal Timing (5%)

Bad Weather (15%)

Work Zones (10%)

Bottlenecks (40%)

Accidents and Disabled Vehicles (25%)



The Problem

➤ **Rear End Crashes**

Total	AINJ	BINJ	CINJ	FTL	PDO
12795	75	710	3875	33	8102

➤ **Shoulder Wrecks** *Wrecks every day*

Total	AINJ	BINJ	CINJ	FTL	PDO
383	16	64	90	8	205

➤ Statewide Interstate Data

Abandoned / Disabled Vehicles

- Abandoned vehicles cause hazards on roadways and programs are needed to remove them
- Public outreach needed to publicize and explain hazards
- Washington and North Carolina have progressive programs
- Vehicle dumping is a major concern for towing industry
 - Vehicle owners “dump” vehicles, leaving towing companies to foot bill for removal



ISSUES ON OUR ROADS

SUV Hits Parked Tractor Trailer on I-85

- Friday May 13, 2007 from <http://www.cfdfirestation13.com/IMAGEgallery34.htm> (posted May 4th)
- A SUV ran off the highway and hit a parked tractor trailer in the rear. The tractor trailer was parked on the emergency lane when a SUV slammed into the rear of the trailer. It is estimated that the car was traveling in excess of 60 mph. There was only one victim in the SUV. The victim was pinned by the dash and steering wheel. Surprisingly there were no visible signs of life threatening injuries.

**Issue with vehicles
involved in accident
investigations being
stored at consensual
tower's lot?**



VEHICLES ON SHOULDERS



VEHICLES BLOCKING LANES

- CONSENTUAL VS NON-CONSENTUAL ?
- TRAFFIC HAZARD ?
- ISSUES ?

Response Times

Communication

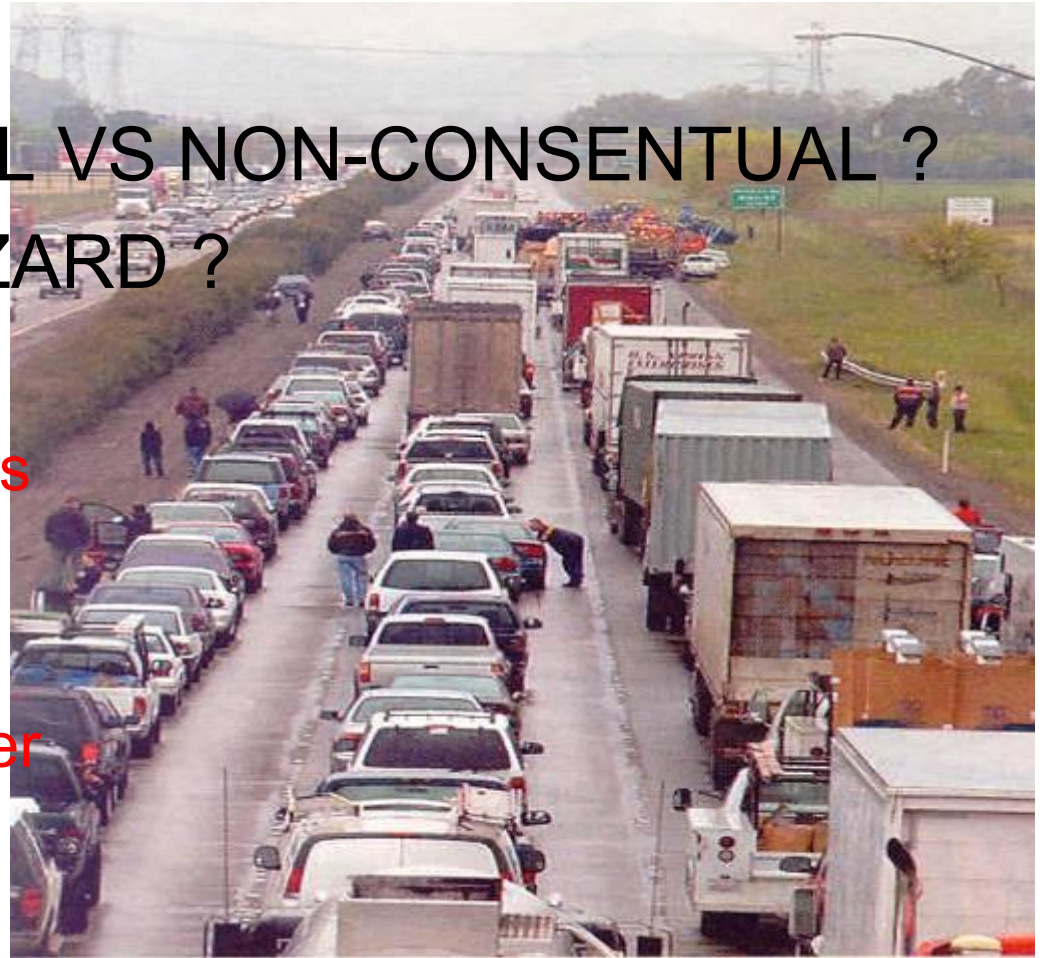
Costs to Clear

Costs to Recover

Delays

Congestion

Secondary Incidents



How Much Does A Collision Like This Cost?

Emergency Airlift
\$5000.00

Department of Ecology
\$500.00

Towing
\$10,000.00

WSP
\$4200.00

Damage to Vehicles
\$30,000.00

Clean-up
\$6800.00

Ambulance
\$4500.00

Trucking Company
\$80,000

Fire Department
\$570.00

Department of Transportation
\$13,000.00

Local Police Departments
\$500.00

Costs not included:

Hospital / Medical
Court / Fines
Increased Insurance
Societal Costs (lost time
and revenue due to
delay)

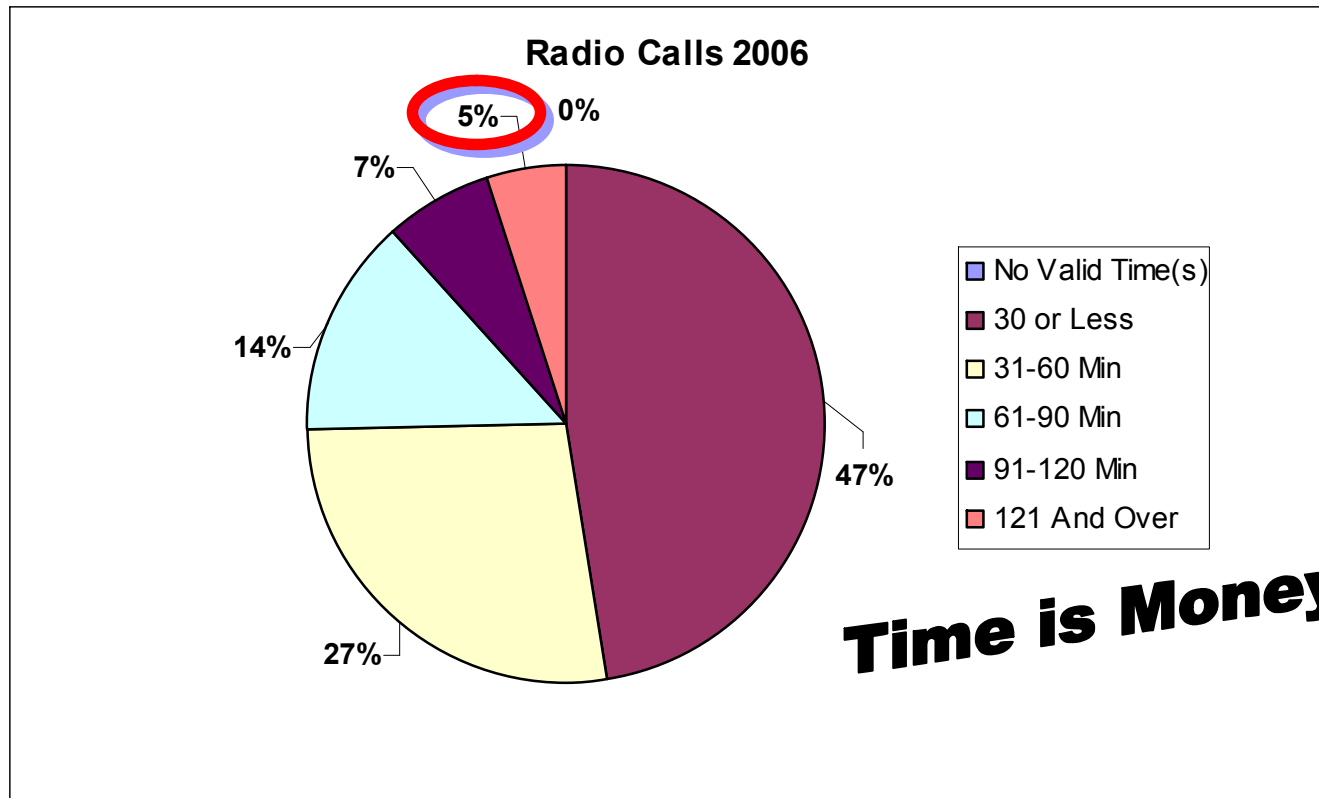
Total Cost = \$155,070.00 (Estimated Minimum)

REMAINING FREEWAY CAPACITY

Incident Type	Location	No. of Freeway Lanes / Direction			
		2	3	4	5
Accident	Rt. Shdr	81	83	85	87
	Median	81	83	85	87
	1-Lane	35	49	58	65
Breakdown Debris	Rt. Shdr	95	98	98	98
	Median	95	98	98	98
	1-Lane	35	49	58	65

Current Focus

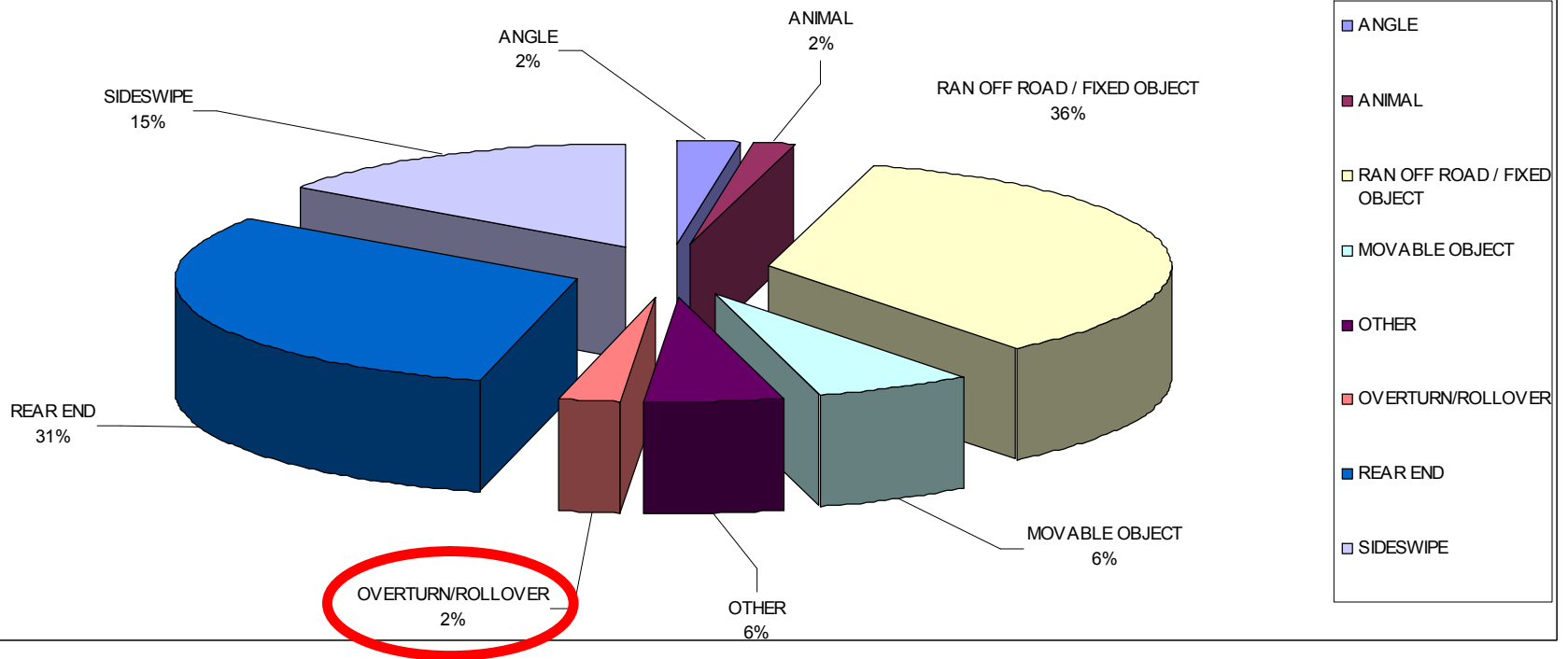
➤ Crash Durations



➤ Highway Patrol Calls

Economic Impacts of Incidents

INTERSTATE CRASHES BY CRASH TYPES (2003 ~ 2005)



Quick Clearance Legislation

- GS 20-161 Allows Law Enforcement to clear roadway by Any Means Necessary without liability on Freeways
- Requires concurrence by NCDOT
- Vehicles can be removed from roadway in 24 hours (changed from 48 hours)
- Now allows for clearance on any state maintained roadway

MEMORANDUM OF UNDERSTANDING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
THE CITY OF GREENSBORO NORTH CAROLINA
GREENSBORO POLICE DEPARTMENT

The City of Greensboro, Police Department hereby enters into this agreement of understanding with the North Carolina Department of Transportation, Incident Management Assistance Patrol (IMAP) to provide services within the corporate limits of the City of Greensboro for towing and impounding vehicles along the controlled-access highways and interstates. This agreement renews and expands the existing agreement of March 1, 2004 between both agencies.

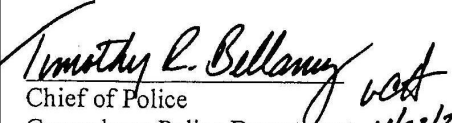
The purpose of this agreement will be to aid in the expeditious removal of traffic hazards along the service area of IMAP within the city limits of Greensboro while complying with recent changes to North Carolina General Statute 20-161 that is:

An act to authorize the quick removal of vehicles, cargo, or other personal property from controlled-access highways and to allow drivers to remove vehicles from travel lanes of a highway following minor accidents, if the vehicles can be safely moved.

The agreement allows IMAP personnel to impound, tow or cause to be moved vehicles that are creating a traffic hazard as defined by G.S. 20-161. The IMAP personnel will follow the procedures for these actions as that of the Greensboro Police personnel follow to include:

1. The IMAP personnel will request a wrecker by rotation through Greensboro Police Communications.
2. The IMAP personnel will complete the Greensboro Police Department vehicle impounding form (PS-POL-84-497).
3. The IMAP personnel will as soon as reasonably possible turn in the completed impounding form to the Central Records Division, located at 300 W. Washington Street.

This is effective the ___ day of _____, 2006. This agreement shall remain in place and in effect, until the Greensboro Police Department or the North Carolina Department of Transportation, Incident Management Assistance Patrol need changes.


Chief of Police
Greensboro Police Department


NCDOT/IMAP Representative

Under Construction in NC

- IMAP Service Patrols to tag vehicles and call for SHP Tow
- Define hazard for immediate removal (Greensboro PD and General Statute says on pavement)
- Standardize towing for all interstates
- Remove vehicles prior to adverse weather

FEMA Parking Best Practices Guidelines

- NFPA 1901 Requires 5 cones on new vehicles effective Jan. 2009
- Does not provide standard deployment or usage
- Does not address existing equipment needs
- Does not address multi-agency response

FEMA Parking Best Practices Guidelines

- FEMA Grant for \$525,000 in NC
- \$35,000 for DVD production
- Balance for 28” Cones for FD
- Partnered with Office of State Fire Marshall and NC Community College System

FEMA Parking Best Practices Guidelines

- Content:





Questions?

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- » 919-773-2975