



# Safety and Security Meeting



May 14, 2013





# GCRTA Safety Highlights

Winner –

APTA Rail Safety Award 2013

Mitigation of Grade Crossing Accidents





# "No Left Turn Signalization"





# Grade Crossing Incidents





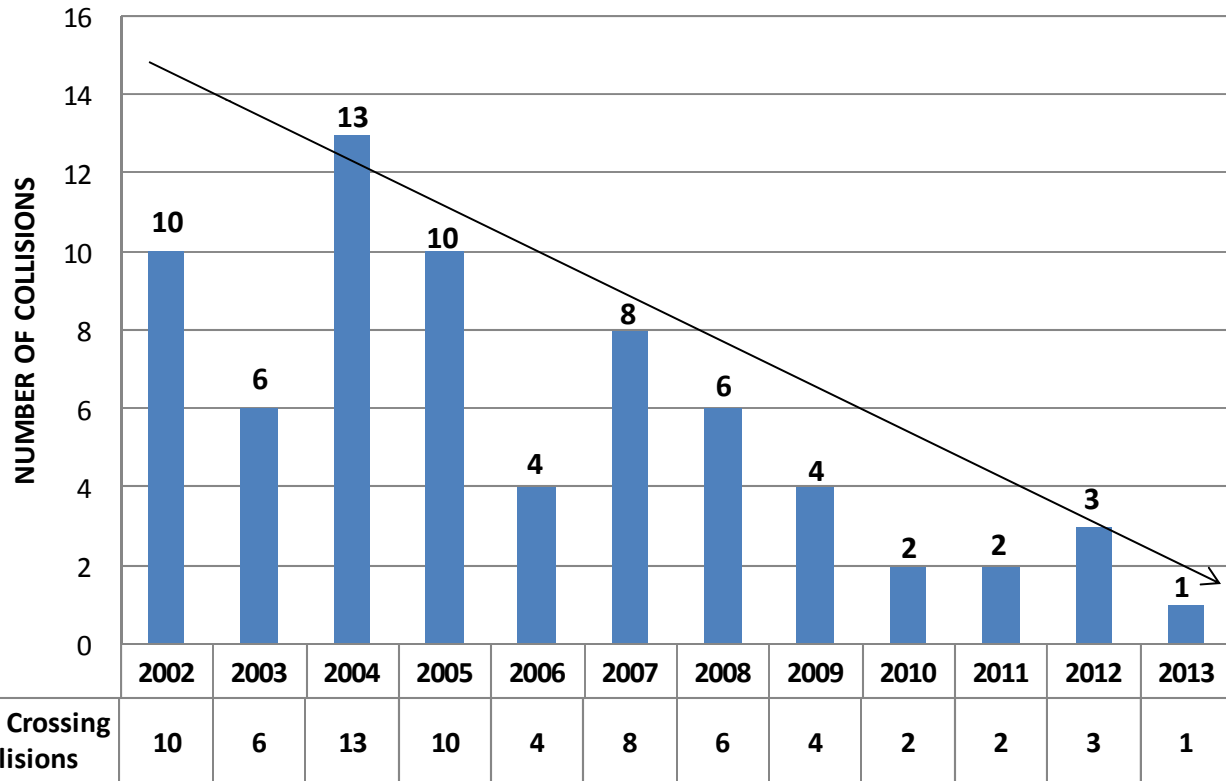
# Grade Crossing Incidents





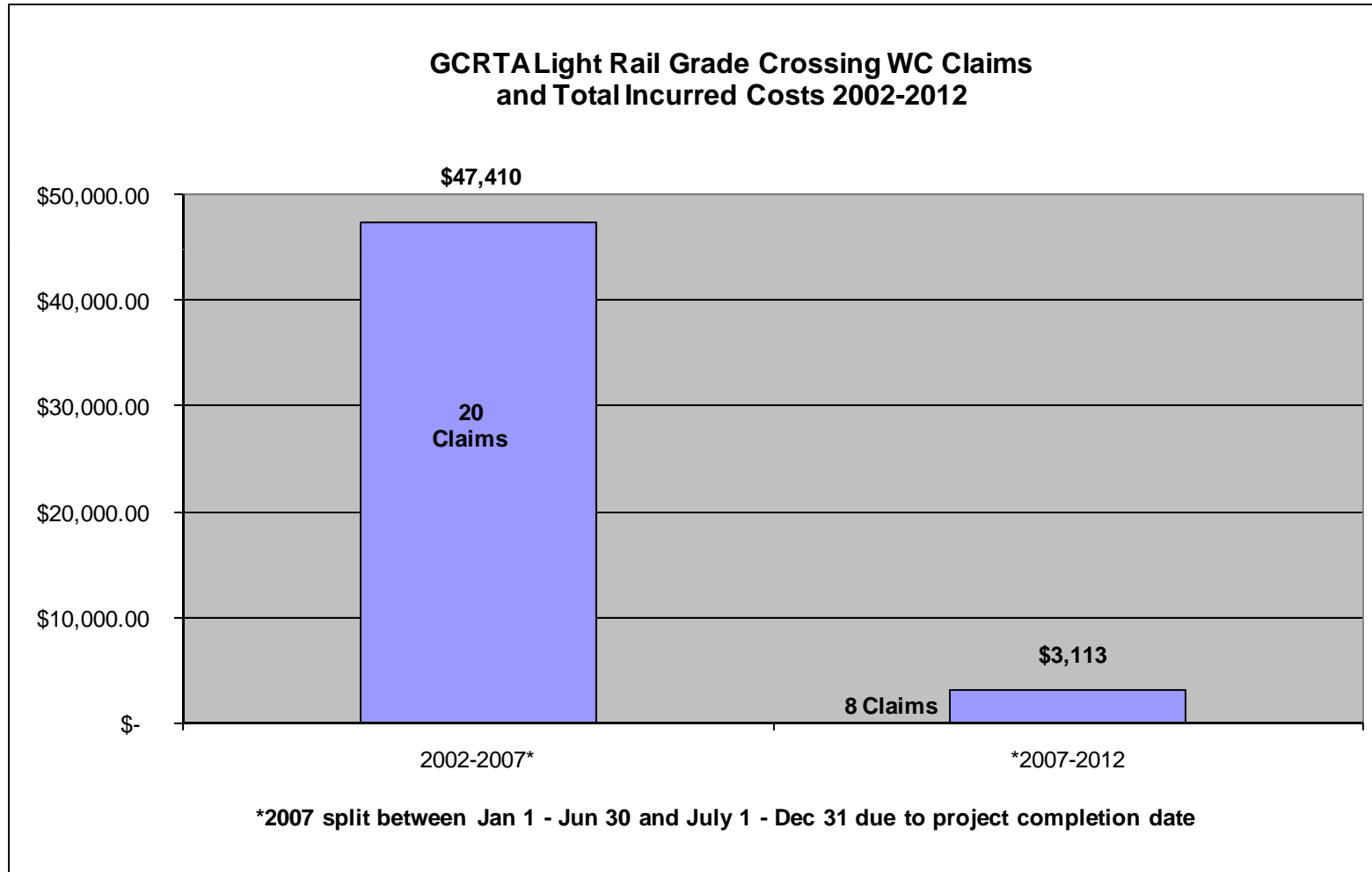
# Grade Crossing Collision Performance Improvement

**GRADE CROSSING COLLISIONS WITH VEHICLES**  
2002 through March 2013





# Injury Cost Improvements





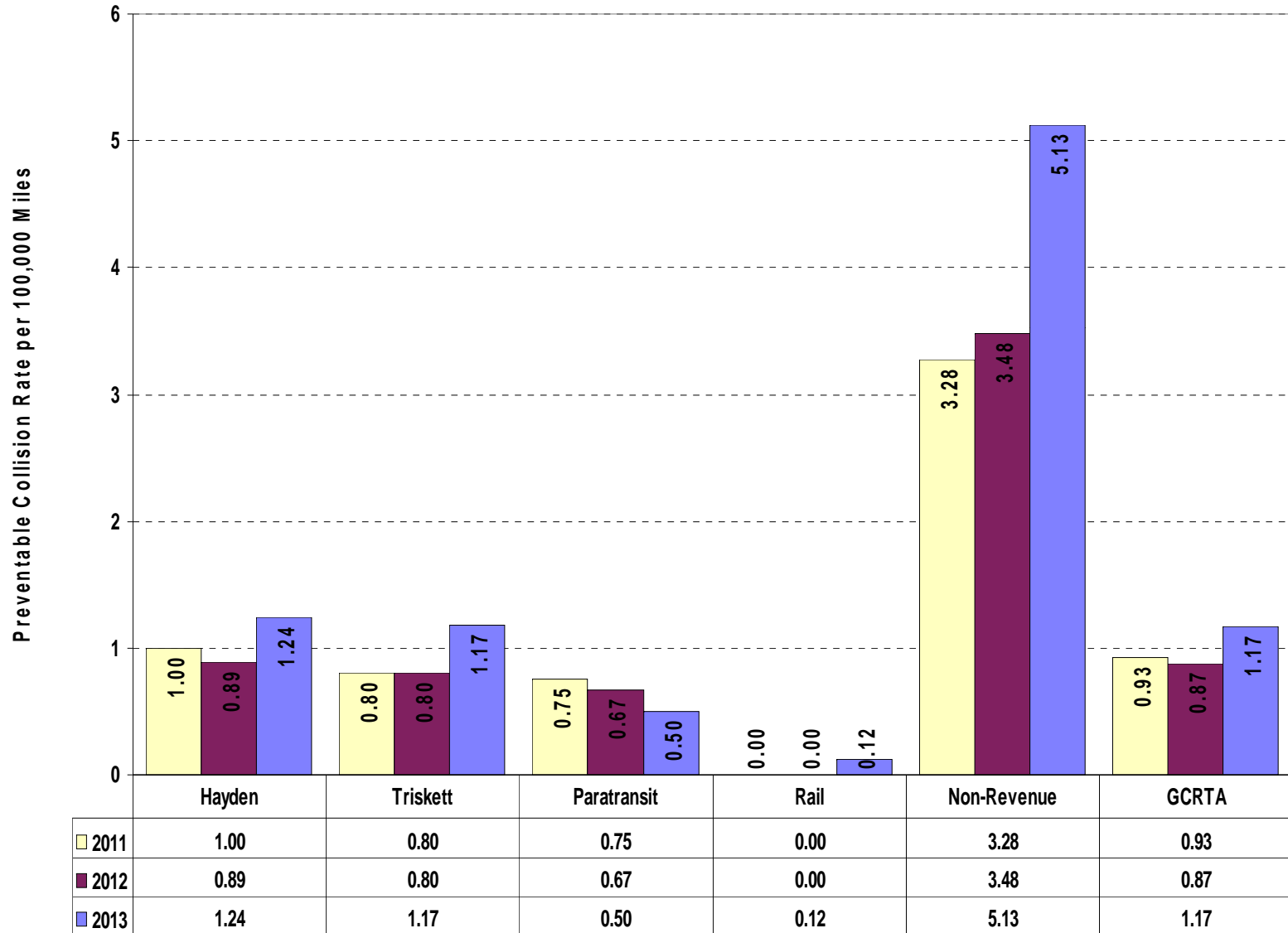
# Top 3 Collision Types

- RTA rear-ended by other vehicle
- Other vehicle hitting RTA while passing on the left
- Hitting fixed objects





## GCRTA District Preventable Collision Rate YTD March 2013



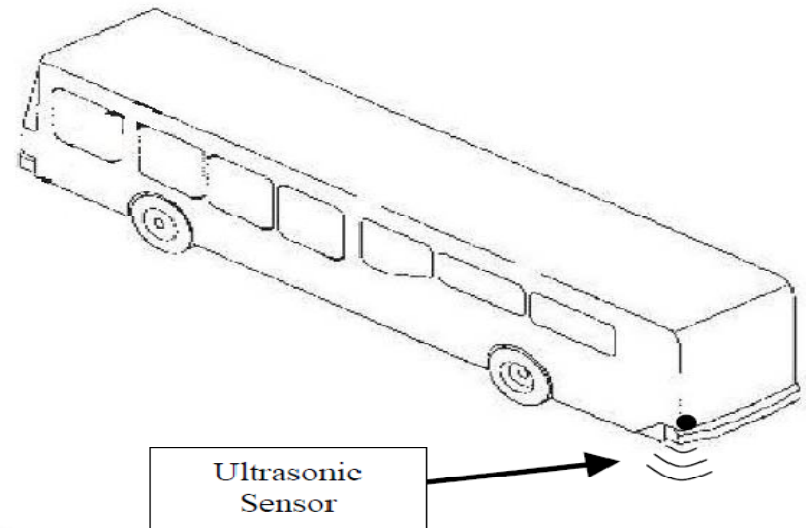
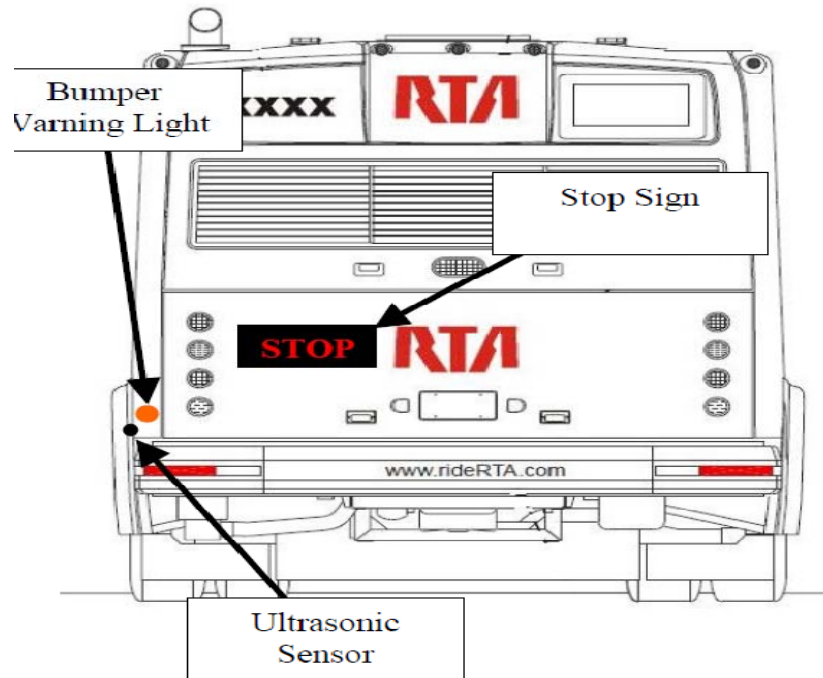
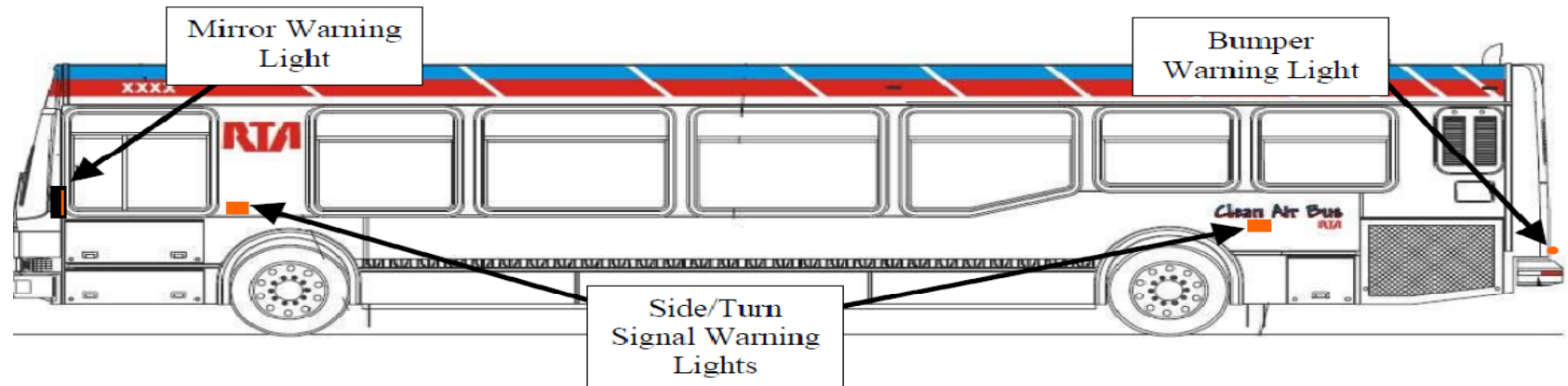


## GCRTA District Total Collision Rate YTD March 2013





# LED Stop and Proximity Lights





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LED Stop Sign

Proximity Sensor



# Reflective (Conspicuity) Tape





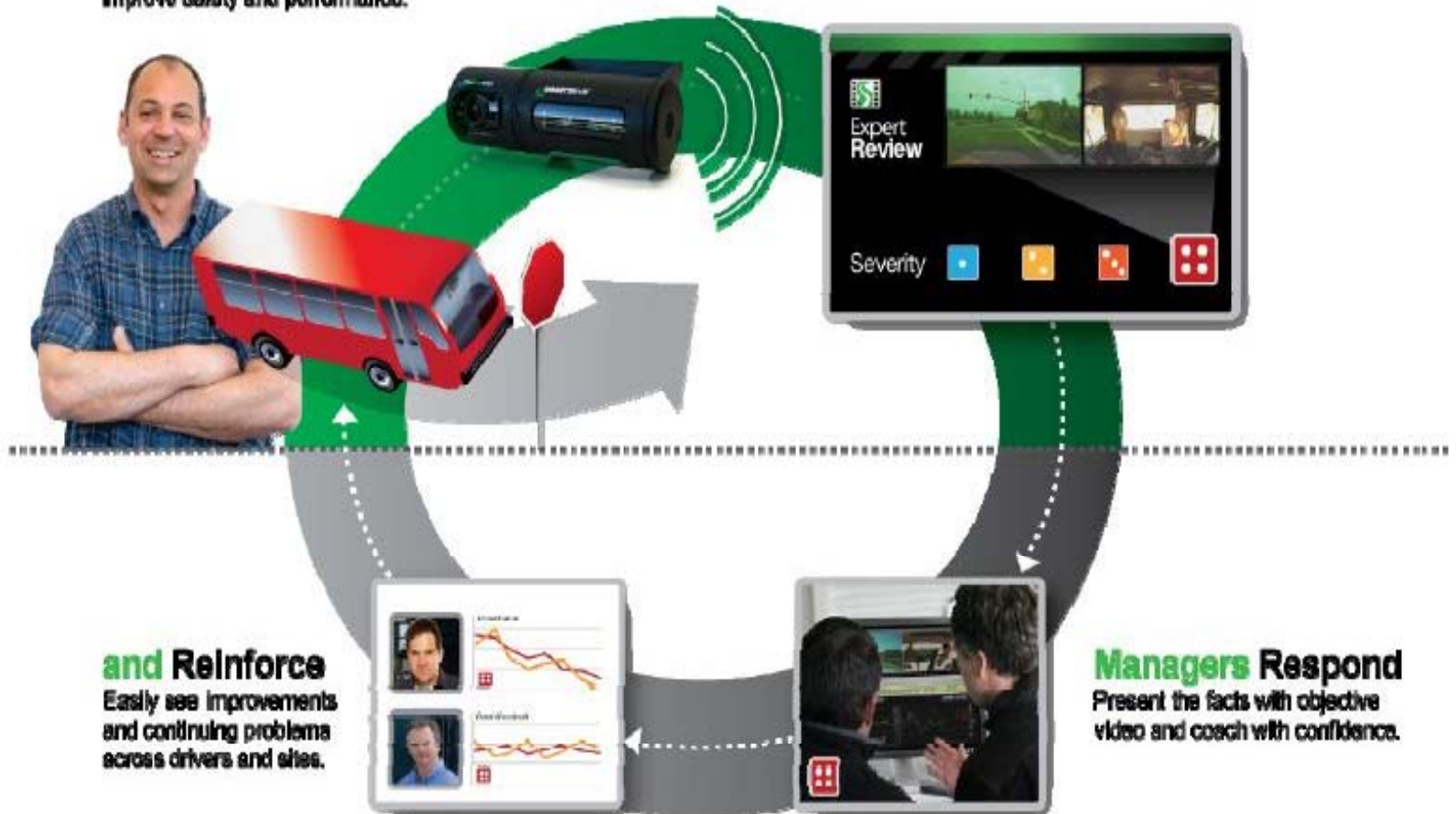
# Drive Cam and Smart Drive

## Drivers Self Improve

Instant in-cab driving feedback and weekly scorecards empower drivers to continually improve safety and performance.

## We Record and Review

SmartRecorders capture video, audio, speed, engine data and location when triggered. SmartDrive scores every uploaded event for quick response.





# Drive Cam and Smart Drive



Cameras  
Installed



# Safe Turn Alert (Talking Bus)

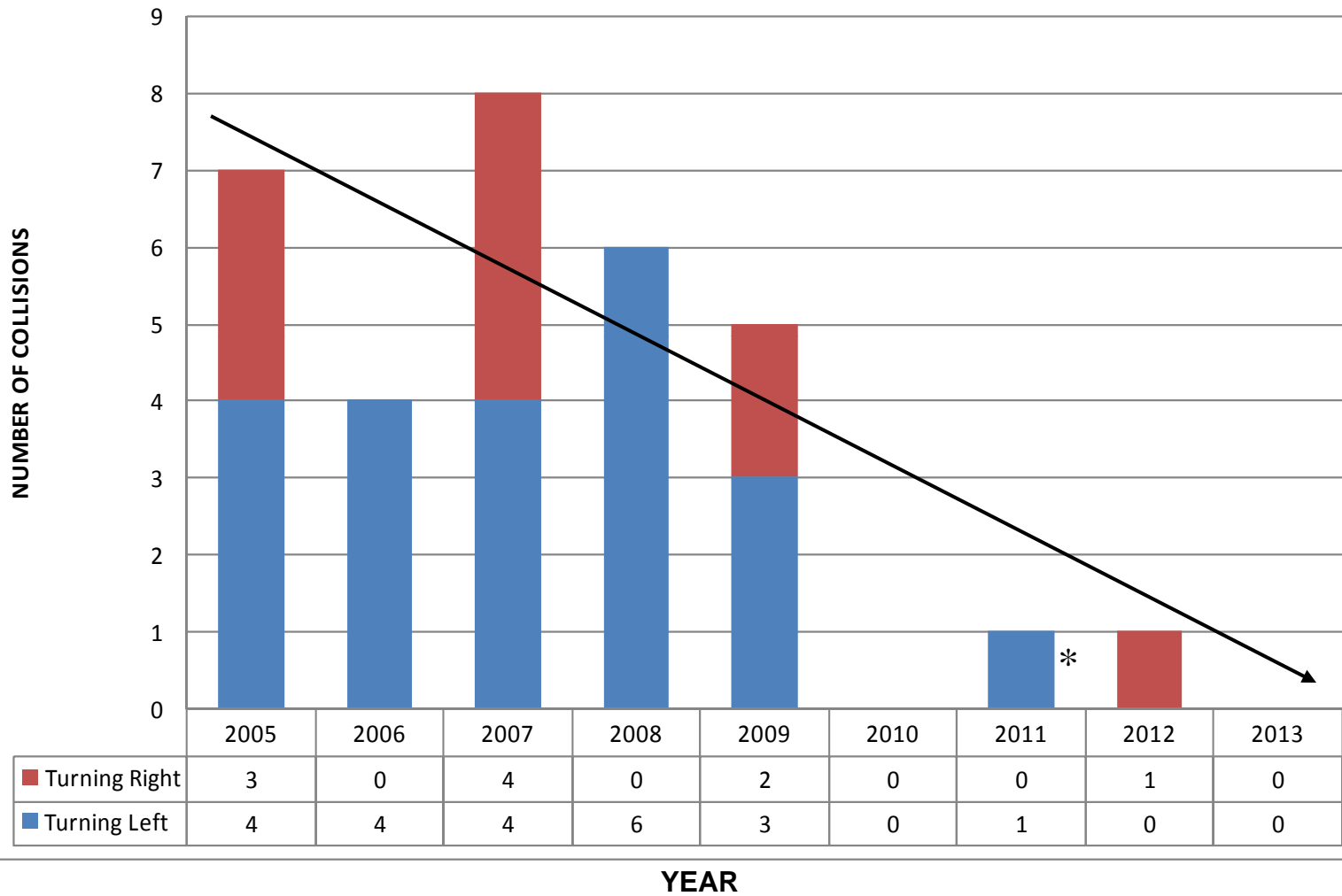
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- Inattention Blindness
- Alert System





## BUS COLLISIONS WITH PEDESTRIANS



\* Person alleged side of bus made contact while he was in the crosswalk.



# Distracted Driving Training Program

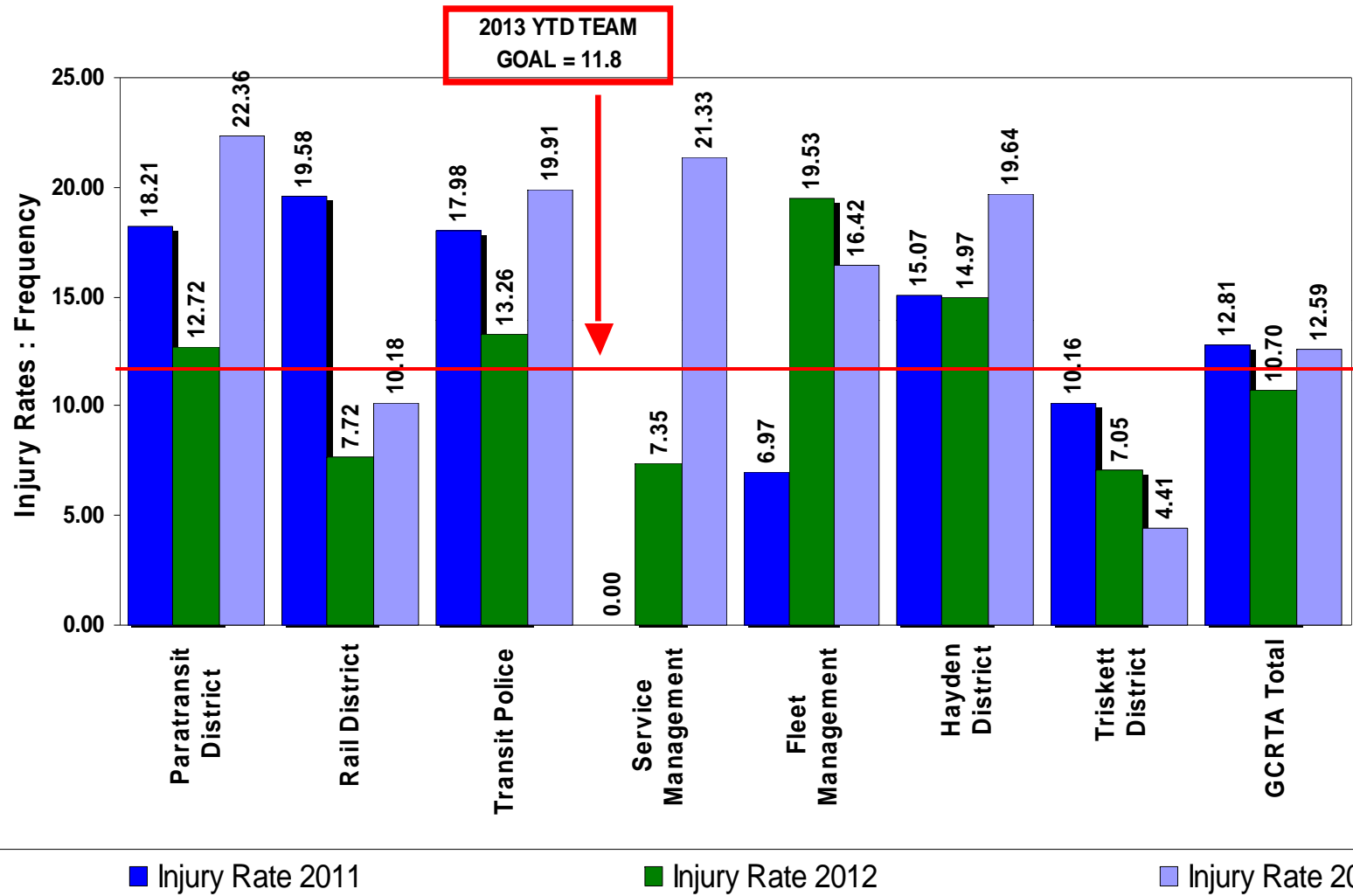
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Executive and Management program completed January 2013.

Moving forward with HR & Procurement to develop a RFP to target training for Operators, Control Center Employees, and Supervisors.



### GCRA YTD 2013 March Injury Rates by Department





# Safety Committee Structure

## Monthly Safety Meetings

