### System Safety

#### The 3 Es of Traffic Safety

- **Engineering**
- **Education**
  - Project Celebration
  - Friday Night Lights
- **Enforcement**
  - Click-it-or-Ticket
  - Drink. Drive. Got to Jail.

#### Organizational Changes

- Director of Engineering and **Safety** Operations
  - Adopt holistic approach
  - Change culture
- **Traffic Safety Division**

#### Organizational Commitments

- Safety Certification for Transportation Project Professionals
- Adopted Texas Strategic Highway Safety Plan

---

**Promote Safety - Champion a culture of safety.**
## Utilizing Crash Data
- Heat maps
  - High speed facilities
    - Areas of concern
    - Monitor over time
  - Pedestrian
  - Bicycle
- Test and upgrade hardware to current standards

## Leveraging Funding
- Blend funding
  - Fewer work zones
  - More efficient use of resources
- Change eligibility
  - Category 6 - Bridge
  - Category 8 - Safety

## Measuring Effectiveness
- Created Council on System Safety
  - Internal workgroup
  - External partners
- Developing a project scoring tool
  - Establish scoring criteria
  - Score each project

---

Approximately 1/3 of all project expenditures is directly related to safety.
System Safety

Accountability
- Integrated system safety
  - 4-year pavement plan reviews
  - Peer reviews
- Mapping of inventory
  - Rumble strips
  - Median barriers
- Dashboards

Future Changes
- In Progress
  - Update Roadway Design Manual
  - Changes in work zone speed limits process

Recommendations
- Commit to zero fatalities vision by 2050
- Support
  - Road to Zero Coalition
  - Vision Zero Coalition
  - Others
- Set annual goals and targets

“It always seems impossible until it’s done.”
Nelson Mandela