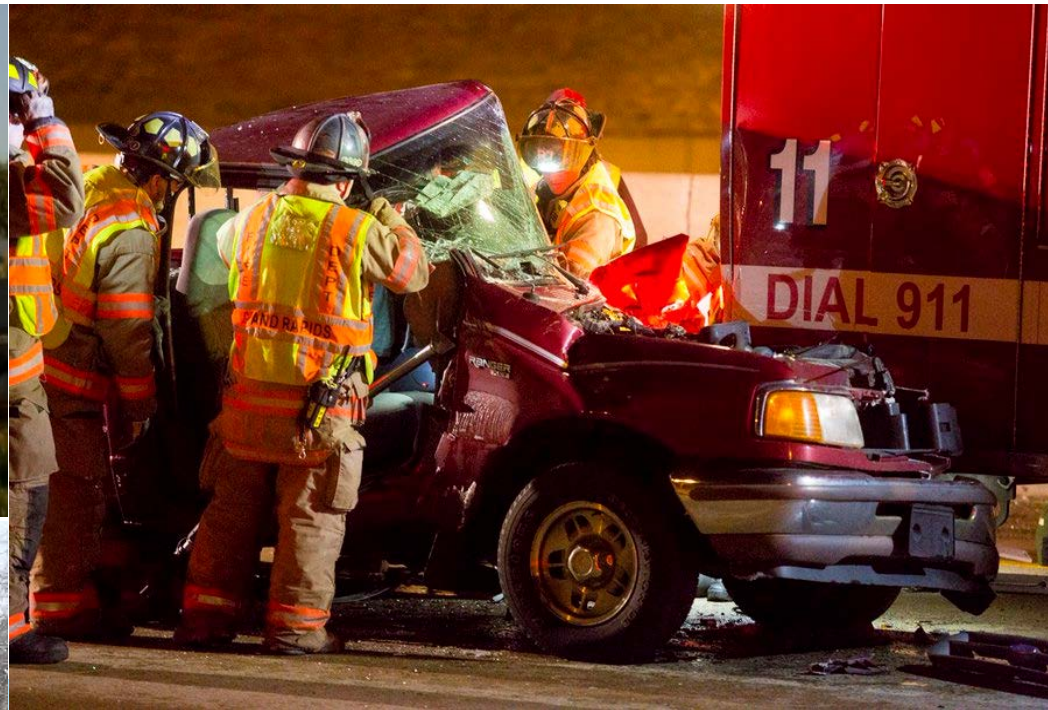


Grand Prairie Fire Department TMA Blocker Project



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NEED



Driver killed; 4 firefighters injured after car crashes into back of fire truck in Vermilion

Grand Prairie Fire Department TMA Blocker Project

PURPOSE

- To provide a protective barrier for Emergency Responders during Highway Response Operations.

- ❖ Tens of thousands of collisions occur every year between regular drivers and police or fire vehicles. In 2017 alone, more than 15,000 fire department vehicles were involved in collisions nationwide, leading to 1,080 injury incidents and 18 deaths, including 10 cases of firefighters being directly struck by other vehicles. (US DOT. 2014. Traffic Safety Facts)

- To provide a protective barrier which reduces the risk of injury and death to motorists on public roadways.

- ❖ Collision with another motor vehicle was the most common first harmful event for fatal, injury, and property-damage-only crashes. **Collisions with fixed objects accounted for only 17 percent of all crashes, but they accounted for 43 percent of fatal crashes.** (US DOT. 2014. Traffic Safety Facts)

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REASON

- The average comprehensive cost for a fatal collision involving a regular citizen is more than \$11 million, but first responder collisions and deaths are much more costly for several reasons.
- Fire trucks can cost more than \$2 million to replace.
- Emergency vehicle collisions often result in lawsuits that can incur settlements reaching millions of dollars in city and municipal costs and insurance payouts.
- Disability for injured emergency responders, training costs for new recruits, overtime pay to cover recovering responders, costs of operating reserve apparatus, and additional expenses related to collisions and struck-by incidents all contribute to the extra cost of these incidents.

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- TraFix Scorpion TMA's are tested and approved for lateral impacts.
- DOT MASH certified
- TMA can be removed and replaced in less than 4 hours
- Vehicle roll-over protection
- Allows for re-use of blocking apparatus
- Provides a tested and approved crash attenuator for motorist safety.
- Total project cost for both blockers \$65,000.



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