

Royal TRUCK & EQUIPMENT INC.

KRATOS
UNMANNED SYSTEMS DIVISION



AUTONOMOUS TMA TRUCK -WORK ZONE VEHICLE OF THE FUTURE-

Royal Truck & Equipment and Kratos Defense & Security Solutions have come together to create the world's first Autonomous TMA (ATMA) truck, internationally known as the Autonomous Impact Protection Vehicle (AIPV).

E-CRUMBS TRANSMITTING THE
LEAD VEHICLE'S POSITION, SPEED
AND HEADING TO THE ATMA



WHY WAS IT CREATED?

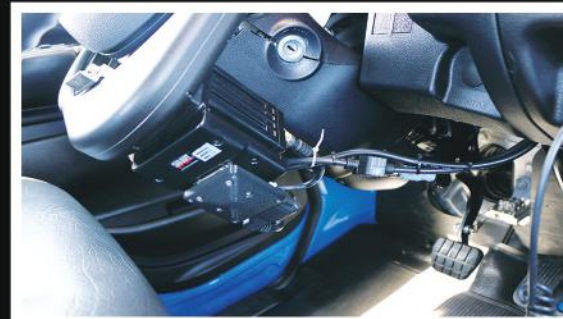
1. Remove the driver from the truck designed to absorb the impact of errant vehicles in the work zone.
2. Eliminate the TMA truck driver's "self-preservation" instinct to avoid a crash in a work zone.
3. Decrease the deviation of the TMA truck's following distance behind the lead vehicle in the work zone.

WHY IS IT NEEDED?

765 people were killed in crashes in work zones in America in 2016.

Of the 765 fatalities, **143** were workers **in the zone***

*<https://www.workzonesafety.org/crash-information/work-zone-fatal-crashes-fatalities/#national>



AS SEEN ON:



As of May 15, 2018,

The Colorado Department of Transportation approved the usage of the ATMA on roads throughout the state. In addition, Royal is currently working towards deploying the ATMA on roads in Pennsylvania!

LOOKING FOR AN AUTONOMOUS TMA TRUCK IN YOUR FLEET?

- 1.** Contact Royal's Government Accounts Manager, Fred Bergstresser
- 2.** Ensure that your state or region has the legislature in place that allows for the testing and deploying of autonomous vehicles.
- 3.** Fill out the appropriate testing authorization forms with your state and local governments, if applicable.
- 4.** The application will be reviewed by the appropriate state agency, most likely the state's Department of Motor Vehicles.
- 5.** Upon approval, your agency will issue an autonomous vehicle testing certification, allowing for testing on approved highways.

The steps listed above are a guideline based upon the processes for autonomous vehicle testing pilot programs of several states. The actual regulations and processes will vary from region to region.



FOR MORE INFORMATION:

FRED BERGSTRESSER

GOVERNMENT ACCOUNTS MANAGER

484-895-1288

fbergstresser@royaltruckequip.com