VEHICLE RAMMING ATTACKS

WHAT YOU SHOULD KNOW
(U) Vehicle Ramming Attacks
Threat Landscape, Indicators, and Countermeasures

Office of Security Policy and Industry
Engagement Surface Division - Highway and Motor Carrier Section

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• VEHICLE RAMMING IS A FORM OF ATTACK IN WHICH A PERPETRATOR DELIBERATELY AIMS A MOTOR VEHICLE AT A TARGET WITH THE INTENT TO INFLECT FATAL INJURIES OR SIGNIFICANT PROPERTY DAMAGE BY STRIKING WITH CONCUSSIVE FORCE.
• FROM 2014 THROUGH 2017, TERRORISTS CARRIED OUT 17 KNOWN VEHICLE RAMMING ATTACKS WORLDWIDE, RESULTING IN 173 FATALITIES AND 667 INJURIES.
• NO COMMUNITY, LARGE OR SMALL, RURAL OR URBAN, IS IMMUNE TO ATTACKS OF THIS KIND BY ORGANIZED OR “LONE WOLF” TERRORISTS. GOOD SECURITY IS GOOD BUSINESS. TSA RECOMMENDS YOU TO TAKE AN ACTIVE ROLE IN PROTECTING YOUR BUSINESS AND YOUR COMMUNITY FROM THIS POTENTIAL THREAT.
STEPS YOU CAN TAKE

• IF YOU SEE SOMETHING SAY SOMETHING

REPORT TO FIRST OBSERVER @ www.tsa.gov/firstobserver
• REPORT ANY SUSPICIOUS VEHICLES AT LOADING/UNLOADING POINTS
• KEEP WATCH FOR ANY SUSPICIOUS VEHICLE FOLLOWING YOU
SUSPICIOUS VEHICLE COULD BE ONE WITH REINFORCED FRONT BUMPER — METAL
• Secure your vehicle when parked
• Observe route compliance - if your route changes alert dispatch
• Engage in additional training whenever possible

*First Observer / First Observer Plus* is a security domain awareness video training program focusing on delivery of a simple message to highway transportation professionals to “Observe, assess, and report” suspicious activities. HTTP://TSA.GOV/FIRSTOBSERVER
TECHNOLOGY

WHY IS IT IN OUR INDUSTRY?????
IS TECHNOLOGY HERE TO

• BE BIG BROTHER AND WATCH US?
• TO ANNOY US?
• TO ADD TO OUR ALREADY LONG LIST OF DUTIES?
• TO MAKE US FEEL OLD?

• NO NONE OF THESE ARE WHY TECHNOLOGY IS HERE IN OUR INDUSTRY
• HERE IS WHY.........
TECHNOLOGY HELPS US

TO INCREASE THE LEVEL OF SAFETY FOR THE
STUDENTS WE PROVIDE SERVICE FOR.
LETS TAKE A LOOK AT CURRENT SCHOOL BUS TECHNOLOGY

• CAMERAS
• GPS
• STOP ARM CAMERAS
• STUDENT TRACKING
• EMERGENCY BUTTON
• CHILD CHECK BUTTON/ALARMS
CAMERAS

- 9/10 TIMES SAVES THE DRIVER FROM BEING FALSELY ACCUSED
- HELPS IDENTIFY BULLYING
GPS

- Accident Reconstruction: Can identify with solid facts that a driver did everything they could to avoid an accident.
- Helps the District/Company be transparent to the public by being able to confirm or deny complaint calls eliminating he said/she said.
- Preventative Maintenance: Engine diagnostic codes can be automatically sent to mechanic – no more missing classroom time.
- Live GPS should bus be in distress can be found – hijacking.
- Reflecting the actual route.
STOP ARM CAMERAS

• DRIVER CAN WATCH THE CHILDREN INSTEAD OF TRYING TO GET PLATE NUMBERS
• SETTING THE PRECEDENCE OF PUNISHING THE WRONG DOER WILL HOPEFULLY EDUCATE THE PUBLIC AND REDUCE THE NUMBER OF VIOLATORS
STUDENT TRACKING

• REDUCE PAPERWORK FOR DRIVERS-MEDICADE STUDENTS
• PREPARING STUDENTS FOR PUBLIC TRANSIT
• REDUCE TIME FOR WORRIED PARENTS WHEN STUDENTS ARE MISPLACED
EMERGENCY BUTTON

• SOME COULD MARK THE CAMERA TAPE
• SOME COULD ALERT BASE IF THE BUS IS IN DISTRESS AND DRIVER CAN NOT USE RADIO
• SOME COULD MARK GPS SYSTEM TO CAPTURE DATA
CHILD CHECK ALARM

- Reducing chance of leaving student on vehicle for any amount of time
- Reducing chance for class four felony for the driver
- Awareness to inattention blindness
WHAT IS NEXT FOR OUR INDUSTRY?

• YOU GUESSED IT......ONBOARD NAVIGATION IS HERE!
HOW CAN A TABLET HELP INCREASE SAFETY?

- ONBOARD NAVIGATION
- TIME KEEPING
- STUDENT TRACKING
  - PRE TRIP
  - POST TRIP
  - GPS
- 2-WAY MESSAGING
- ROUTE SPLITTING
Substitute Drivers
HOW CAN I HELP INCREASE SAFETY

• ADD THESE ITEMS TO YOUR PRE-TRIP CHECK LIST AND MAKE SURE TO REPORT THEM WHEN THEY ARE NOT WORKING

• CHECK THEM AGAIN DURING YOUR SECURITY SWEEP

• REMEMBER THESE ITEMS HELP ENHANCE YOUR PERFORMANCE AND INCREASE THE LEVEL OF SAFETY FOR ALL