

Next Generation Traffic Incident Management

Integrating Technology, Data, and Training

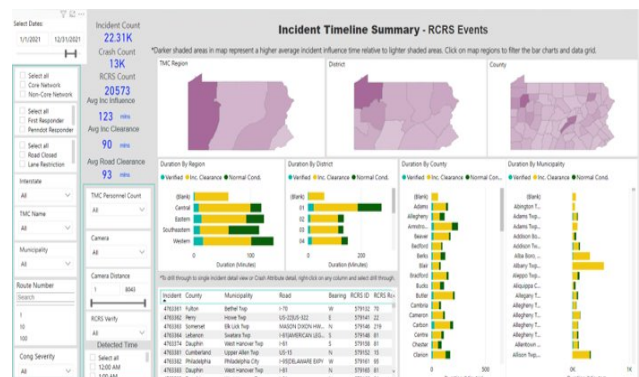
Next Generation Traffic Incident Management (NextGen TIM) programs aim to shorten the duration and impact of roadway incidents, resulting in the improved safety of drivers, crash victims, and responders. New tools, data, and training mechanisms are available that can benefit both new and existing TIM programs, including local agency and off-interstate applications. NextGen TIM: Integrating Technology, Data, and Training is a Federal Highway Administration (FHWA) Every Day Counts Round 6 (EDC-6) innovation that Pennsylvania championed.

What are the benefits?

- **Increased Safety** – NextGen TIM targets advances in safety through engineering, enforcement, education, and emergency services. These advances help keep responders, drivers, and pedestrians safe across freeway, arterial, and multimodal travel.
- **Improved Travel Times** – Training, data, and technology combine to help local and state agencies reduce secondary crashes and clearance times. This leads to improved trip reliability and increased driver awareness of active responders along their travel routes.
- **Improved Operations** – Integrating new and emerging technology with existing tools and training can improve incident mitigation and safety throughout the entire incident timeline, from incident detection to clearance on all roadways.

How does it work?

Traditionally, transportation agencies capture incidents where sensor technologies and/or closed-circuit television cameras (CCTV) are installed, where safety service patrols are present, or when contacted by public safety and law enforcement agencies. NextGen TIM significantly expands this capacity. It enables agencies to improve TIM strategies by implementing new options, such as back-of-queue warning, navigation-application notification of active responders in the vicinity, notification-based incident detection using crowdsourced data, and more.



How do I learn more?

To learn more about this innovation, visit www.penndot.gov/stic or email penndotstic@pa.gov.