ILLINOIS TOLLWAY

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April 26th, 2022
ITS Heartland Annual Meeting

Illinois Tollway

TRAFFIC OPERATIONS CENTER

Monitors 294-mile Illinois Tollway system in Northern Illinois

First in the nation to integrate two-way computer-aided dispatch in 2002

Manages more than 650 traffic events a day

Ongoing commitment to integrate incident management from policy to staffing to systems

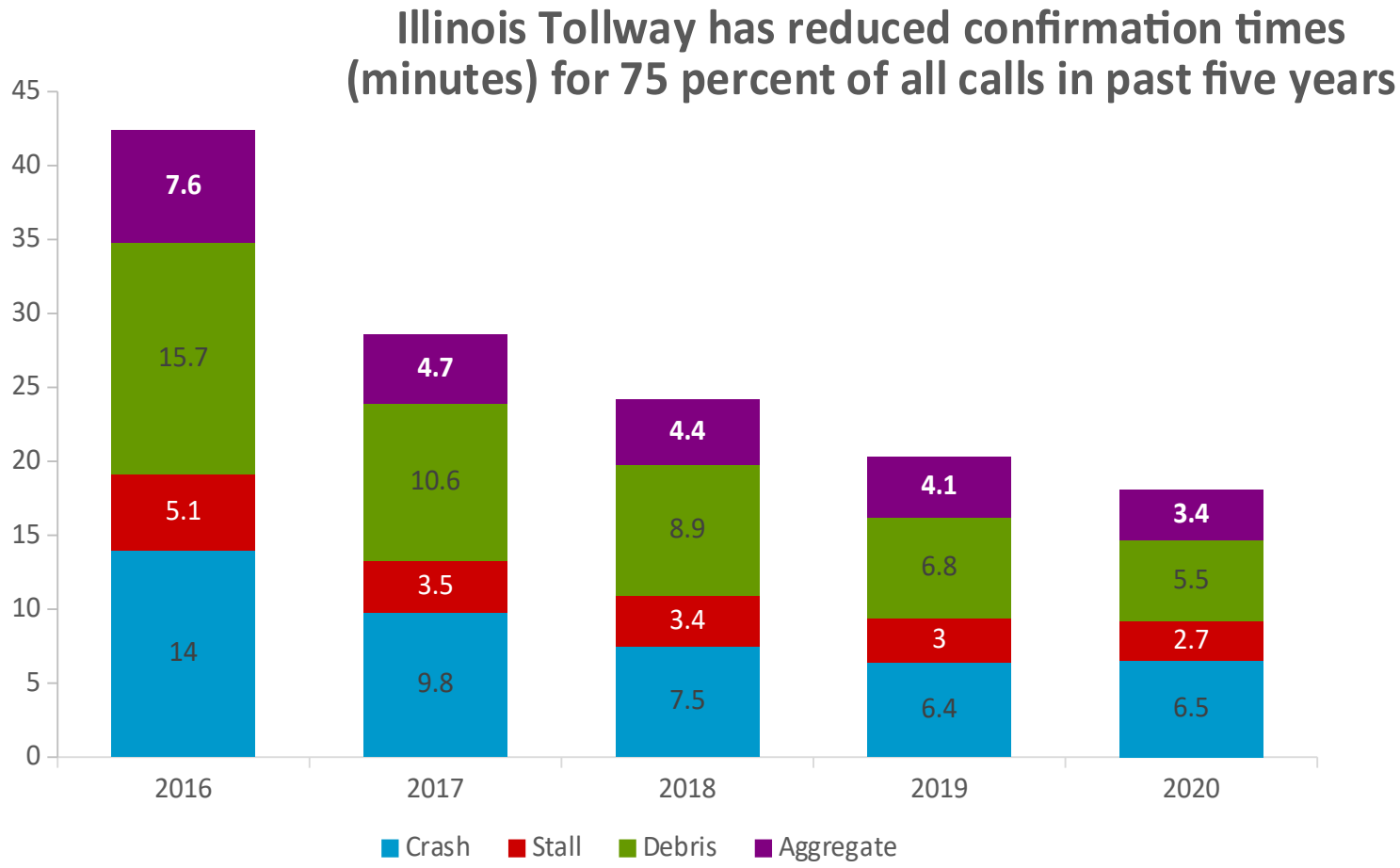
INTELLIGENT TRANSPORTATION SYSTEMS

- More than 80 DMS and PCMS
- I-90 SmartRoad with active traffic management
- Nearly 1,500 CCTV cameras
- Nearly 500 sensors
- 21 RWIS stations
- Full CAD integration with Illinois State Police

HISTORY OF PERFORMANCE

Every moment counts

- Detection
- Verification
- Response assets
- Response procedures
- Clearance



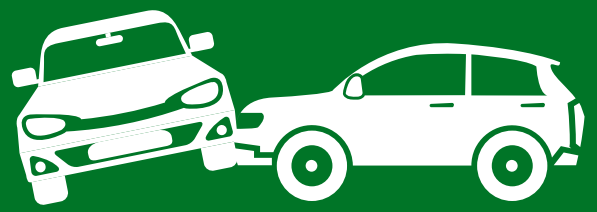
TYPES OF EVENTS

In 2020, the Illinois Tollway responded to

More than

8,300

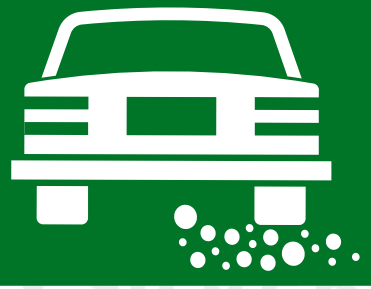
Crashes



Nearly

8,000

Debris events



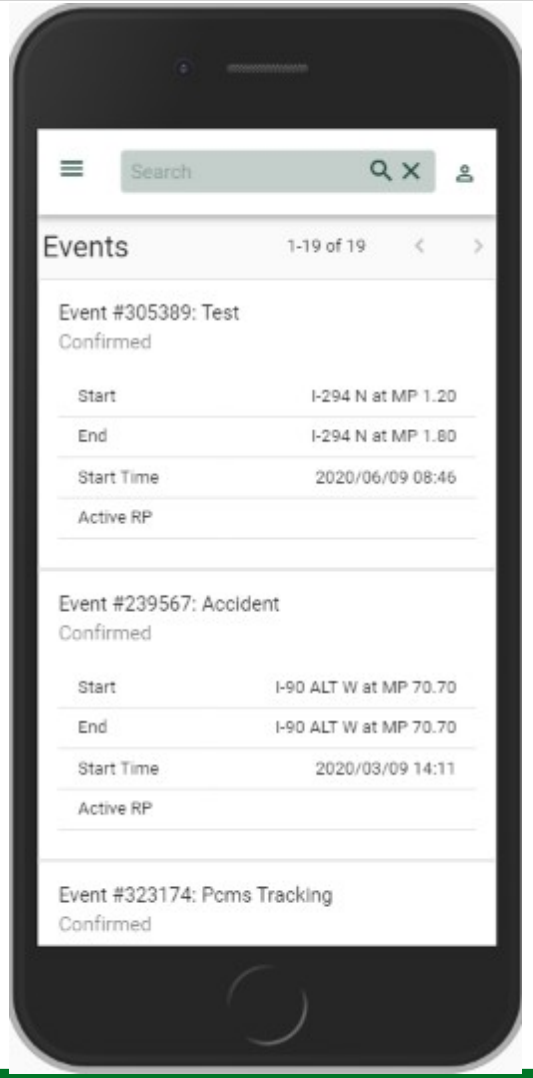
45,000

Stall/disabled vehicle events

TIMS2GO MOBILE INCIDENT RESPONSE APP

Puts TOC resources in traffic managers hands

- Anytime, anywhere access
- Direct appropriate resources
- Real-time operational condition assessment and response
- Live incident video access to Illinois State Police District 15



Vision:

Manage similar situations in the future with advanced technology capabilities

TIMS2GO VIDEO

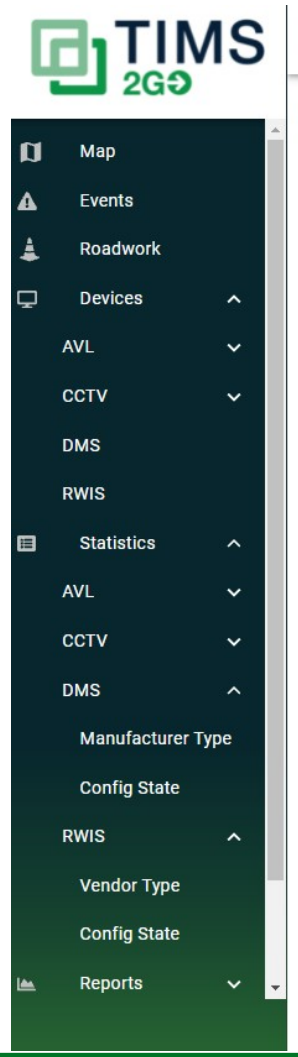
INVESTING IN REMOTE ACCESS

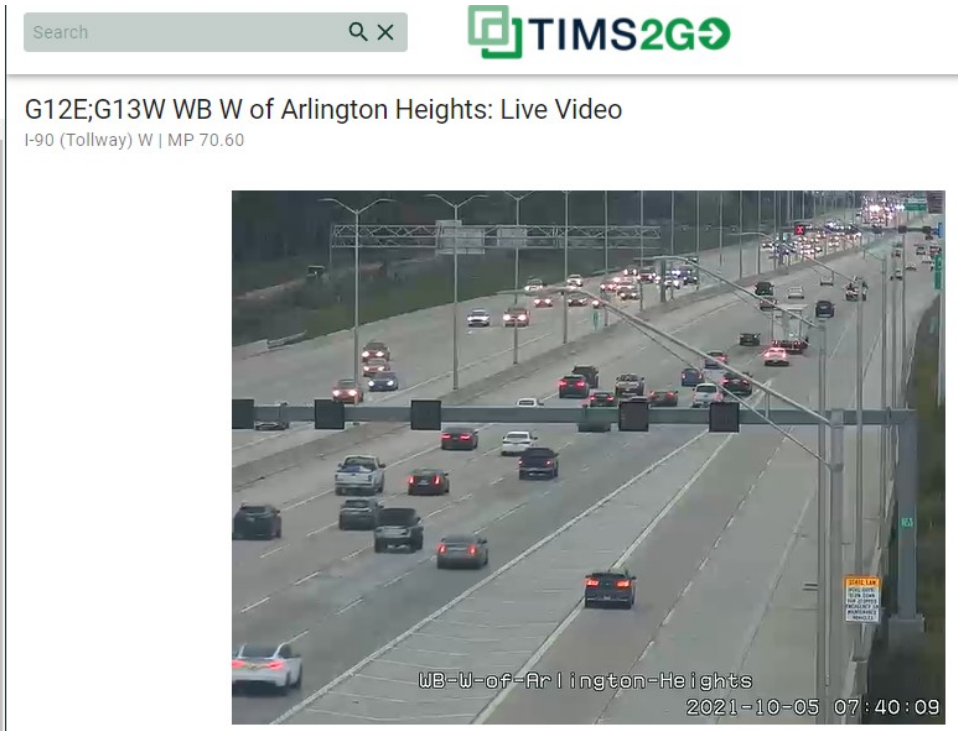
Envisioned remote web-based TIMS app that provides TOC access to broader stakeholders

- Incident management
- Traffic operations
- Illinois State Police District 15
- Roadway maintenance
- Administrative staff

Situational awareness for leadership

Improved access to common ITS and TOC questions





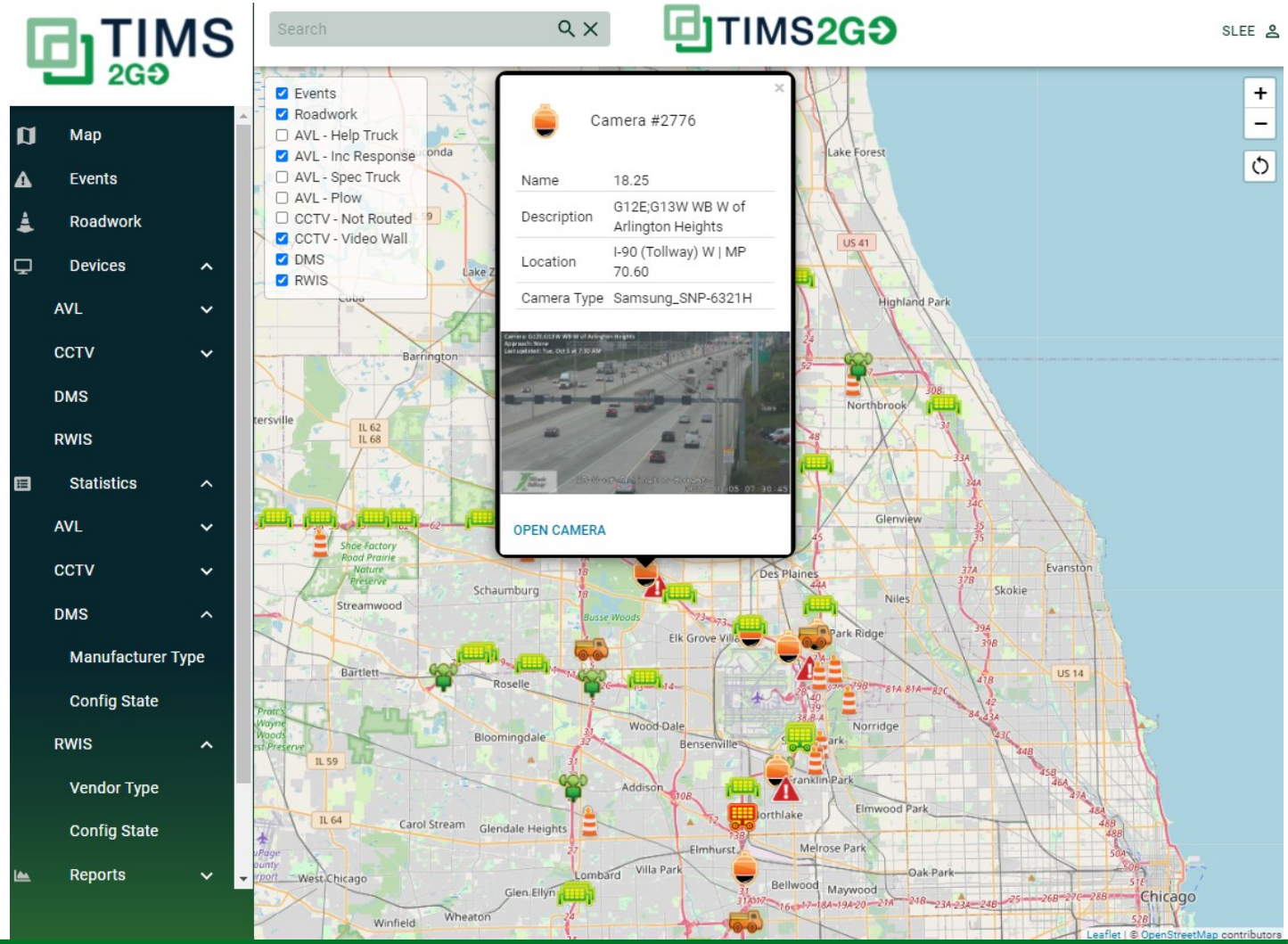
FUNCTIONS AND DESIGN ELEMENTS

Functions

- Streaming CCTV to any device
- Event status
- ITS device status
- Reporting and metrics

Design elements

- Limit keystrokes
- Ensure legibility, viewability and usability
- Map and list-based selections
- Support Apple and Android
- Support multiple browsers



OUTCOMES

Successful release

- Handling airplane landing incident
- Monitoring incident from remote locations
- Service of all levels of operations
- Potential sharing with additional response partners

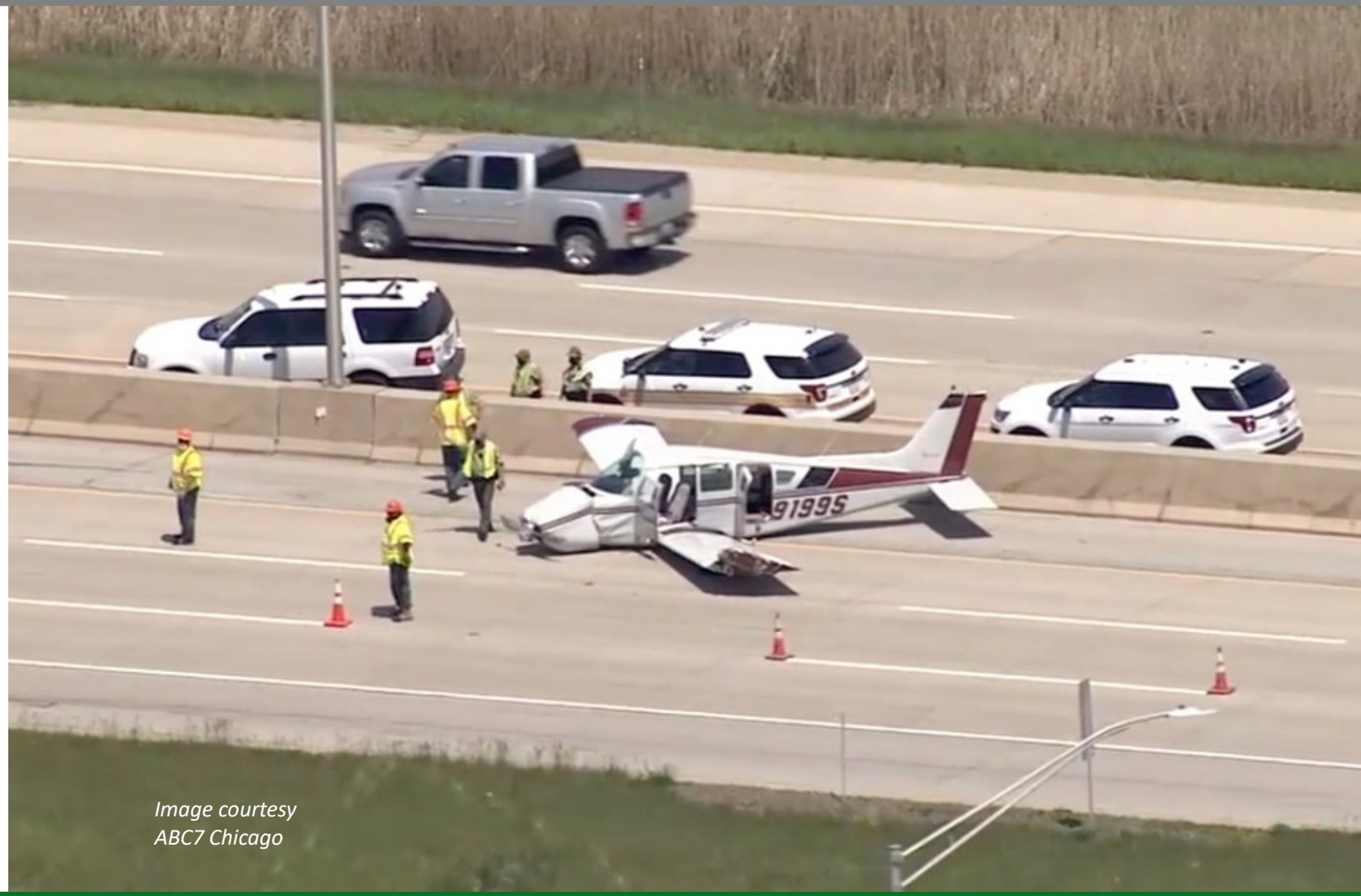


Image courtesy ABC7 Chicago

DEMONSTRATION

Illinois Tollway

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