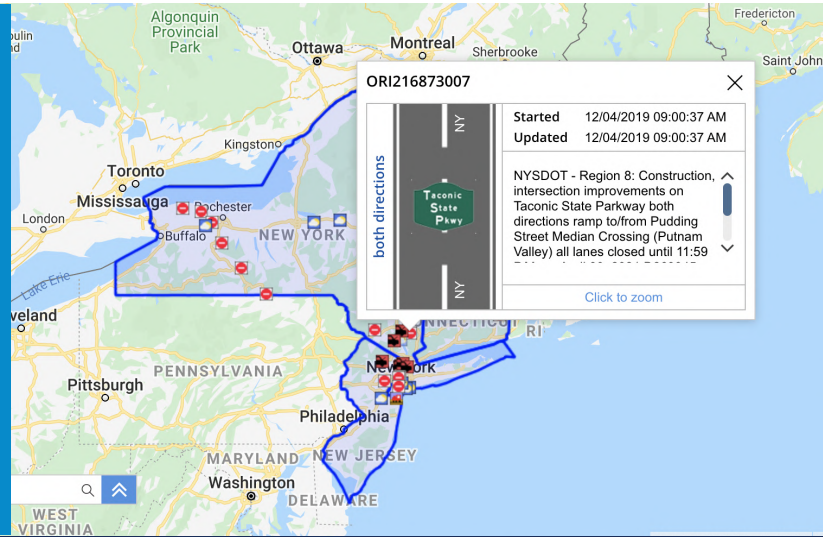


T-REX (Transportation Regional Event Exchange) will help Traffic Management Center Staff do their jobs better and more efficiently.



What is T-REX? Simply put, T-REX is a secure Web browser-based Multimodal Event Management system. The T-REX system can be operated from your desktop, laptop, or tablet. It has been developed using the industry's best practices. It has been designed to allow faster, more precise data entry and in turn more accurate information.

Multimodal Event Management System

T-REX provides users with the ability to create and manage active highway incidents, scheduled highway construction events, scheduled highway special events, active transit incidents, scheduled transit construction events, and scheduled transit special events.



Secure web browser-based.



Can be operated from your desktop, laptop, or tablet.



Users can designate a start and end point for a construction project or an incident, rather than just a singular point. Further, it allows an agency to know where delays from an event starts and ends.



Users can view CCTV and locate Events and Safety Service Patrol vehicles on a map.

SPECIFIC FEATURES AND FUNCTIONS

T-REX expands the operational capabilities of agencies to be available remotely at on-site construction zones and major events such football games, marathons, etc. Further, operators have the ability to provide as-needed additional support from home, thus expanding the operational capacity for the agencies during dynamic events such as major snowstorms, etc.

Virtual TMCs

The virtual TMC can be used by agencies during major weather-related events like snowstorms and hurricanes.

“One click” map-based event location selection

Select a point on a map, and T-REX will pre-populate the facility, location description and event direction.

	From
Facility	W 23RD ST
Direction	eastbound
Location	6TH AVE
Mile Marker	
City	NEW YORK
County	NEW YORK
State	NEW YORK

Direction	Description
<input type="radio"/> Eastbound	W 23RD ST 6TH AVE New York, NY
<input type="radio"/> Westbound	W 23RD ST 6TH AVE New York, NY

Description	Edited by user
TRANSCOM, Jersey City: on W 23RD ST eastbound 6TH AVE (NEW YORK)	<input type="checkbox"/>

Arterial Location Selection

Select the direction of an arterial roadway.

Specialized Roadways

Allows a user to choose a roadway with unique characteristics such as upper/lower, inner and outer, Bus/HOV lane as well as Local Express.

Lane Selection

Operators can also select the specific lanes that are affected by roadway conditions.

Traffic Impact Association

Define the Precise event impact using real-time travel time data from the Data Fusion Engine (DFE) to quantitatively measure and assess the changes in travel time.

Line Segmentation Feature

Allows to designate start and end points for an event/incident, rather than just a singular point. Line Segments are updated and stored throughout the event/incident timeline, at Time of Detection and ending with Time to Return to Normal Flow. It further allows users to view impacts of events/incidents from adjoining jurisdictions.

Custom Data Integrator

Allows easy integration of mile marker data, specialized roadways and ramp locations for accurate event location.

	From	To
Facility	Verrazano-Narrows Bridge Upper Level	Goethals Bridge
Direction	eastbound	eastbound
State	NEW YORK	NEW JERSEY
County	RICHMOND	UNION
City	NEW YORK	ELIZABETH
Point	Center Span	Mid-Span
Mile marker		

Current Travel Time (MM:SS)	Historical Travel Time (MM:SS)	Incident Delay (MM:SS)	Current Speed (MPH)	Historical Speed (MPH)	Distance (Miles)
20:13	15:58	04:15	27	34	9.2

Product Features and Benefits

T-REX Features
Supports multimodal events (incidents, planned construction -special)
Flexible one-click map interface to choose a precise location detail of events
Supports line segment feature to capture detailed event location information
Supports customized roadways (XBL, HOV, Reversible lanes)
Supports agency data sets (mile markers, ramps)
User-friendly interface for affected lane selection of an event
Supports event description, customization using free-text feature
Associate secondary events
Event impact assignment based on event duration
Operator reminders via system pop-up and/or audible notification for events
Enhance event notification to agency personnel and management via email and/or SMS
User-friendly interface to add and track additional details of user actions for post review
Manage Recurring Schedules for Planned Events
Associate Event Impact by inserting travel time or congestion distance using real-time data
Interactive map interface to view events, travel-time, CCTVs, DMS etc.
Supports Traffic Incident Management (TIM) performance measures tracking
Supports GTFS schedules for transit events
Manage recurring schedules for planned events
Auto spawn/close planned schedules
Supports agency event management system integration to reduce duplicate data entries
Web-based system Supports all latest web browsers
Desktop and tablet friendly interface
Supports disaster recovery feature (failover with cloud redundancy)
FHWA TMDD 3.03c and NTCIP 2306 conformance

Admin
Manage event types and event categories
User management module including roles and permission assignments
Manage notification distribution list for Email and SMS
Session management
Manage selection lists (lane category, lane details, location details etc.)

Reports
Planned Construction Report
Incident User Action Report
Agency Internal Log Report
Monthly Event Report
Daily Construction Report
Hazmat Report
Incident Management Response Report
Agency Custom Reports

Additional Benefits
Can be used as Virtual TMCs by Operations and Field personnel
Improves interagency coordination and share access to the system with law enforcement and first responder agencies.
Supports direct integration with agency event management systems and data source for traveler systems.
Data archiving and historical data retrievals.
Clearly defines and manages impacts of the event throughout the impacted corridor(s).
Supports impending initiatives like the Integrated Corridor Management, Operational Prediction and Connected and Autonomous Vehicle Initiatives.

