

Operational Concepts By Stakeholder

<i>ITS Stakeholders</i>	<i>Areas</i>	<i>RRDescription</i>	<i>Status</i>
CHEMTREC	Commercial Vehicle Operations		
		Provide first response information to commercial vehicle incidents and coordinate with DEM and CST for HAZMAT conditions/clean-up.	Existing
		Provide second responders to guide HAZMAT containment and clean-up.	Existing
Local DPW	Maintenance and Construction		
		Coordinate maintenance resources for incidents with other regional maintenance providers.	Existing
		Coordinates maintenance and construction activities with other regional maintenance and construction agencies.	Existing
		Distributes maintenance and construction plans and work zone information to regional information service providers, regional traffic operations, emergency operations, rail operations, and the media.	Existing
		Provide maintenance of local streets, including pavement maintenance and all construction activities.	Existing
		Provide maintenance status to regional transit agencies, regional public safety agencies, and to travelers (through ISPs).	Existing
		Provide maintenance to all field equipment owned and operated by local municipalities.	Existing
		Provide winter road maintenance for all local streets and provide roadway maintenance status information to regional public safety agencies, regional transit agencies, and Local and Regional TOCs.	Existing
		Receive a request for maintenance resources for incident response from Local and Regional TOCs.	Existing
		Receive vehicle location information from agency maintenance and construction vehicles.	Planned
Local Public Safety Agencies	Emergency Management		
		Aid in the coordination of region wide emergency plans, evacuation and reentry plans, and disaster management plans.	Existing
		Coordinate with regional hospitals for care facility status.	Planned
		Dispatch local public safety vehicles (and track their location) as well as coordinate with all other public safety agencies.	Existing
		Operate the Local EOCs.	Planned
		Participate in the incident response, coordination, and reporting on the Statewide Information Exchange Network in a coordination effort only.	Existing
		Plan and coordinate region wide emergency plans, evacuation and reentry plans, and disaster management plans dealing with HAZMAT incidents.	Existing
		Provide evacuation, incident, and transportation system status information to regional public information systems.	Existing
		Receive Amber Alert and other Wide Area Alert information from New York State Police.	Existing
		Receive and respond to (i.e. dispatch) threat information from the Local and Regional TOCs regarding critical infrastructure.	Existing
		Receive early warning information and threat information from the New York SECC.	Existing
		Receive Wide Area Alert information from the New York SECC and the Local EOCs.	Existing
		Respond to transit emergencies/alarms on-board transit vehicles or at regional transit facilities.	Existing

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	Incident Management		
		Coordinate an incident response with regional rail operations for incidents involving rail.	Planned
		Coordinate incident response with all local public safety agencies (police, fire and EMS).	Existing
		Coordinate maintenance resources in response to incidents.	Existing
		Coordinate public safety resources for incident response with local traffic management agencies.	Existing
		Coordinate with ambulance services in response to incidents.	Existing
		Dispatch local public safety vehicles (and track their location), as well as coordinate with all other local public safety agencies.	Existing and Planned
		Perform incident detection and verification for the streets and provide this information to local traffic and other public safety agencies (including state and local agencies).	Existing
	Local Traffic Management		
	Surface Street Management		
		Coordinate traffic information with Regional TOCs.	Planned
		Provide transit signal priority for regional bus rapid transit vehicles.	Planned
	Transit Services		
		Provide traffic incident reports and road network conditions to Regional Bus Rapid Transit Operators.	Planned
	Local Transit Operators		
	Transit Services		
		Coordinate emergency plans with Local EOCs and the New York SECC and provide emergency transit services for evacuations, fires, and disasters (including re-entry).	Existing
		Count the number of passengers entering and exiting transit vehicles.	Planned
		Provide transit schedule, ridership and fare information to the NYSDOT TSIP and to transit data archives.	Existing and Planned
		Track vehicle location and evaluate schedule performance on all agency transit vehicles.	Existing and Planned
	MPO - Metropolitan Planning Organizations		
	Archived Data Systems		
		Coordinate with NYSDOT and NYSTA archive databases.	Planned
	NYS Department of Motor Vehicles		
	Archived Data Systems		
		Collect and archive emergency safety and crash information from regional and statewide emergency management providers.	Existing
	NYS Emergency Management Office (SEMO)		
	Emergency Management		
		Aid in the coordination of region wide emergency plans, evacuation and reentry plans, and disaster management plans.	Existing
		Generate and coordinate wide area alerts and distribute them to regional emergency management agencies, transit agencies, traffic agencies, regional information service providers, and the media.	Existing
		Operate the New York State Emergency Coordination Center (SECC).	Existing
		Plan and coordinate region wide emergency plans, evacuation and reentry plans, and disaster management plans.	Existing

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		Provide evacuation, incident, and transportation system status information to regional public information systems.	Existing
		Provide regional traffic, transit, emergency management, and maintenance operations with disaster information to disseminate to the traveling public.	Existing
NYS Police	Emergency Management		
		Aid in the coordination of region wide emergency plans, evacuation and reentry plans, and disaster management plans.	Existing
		Coordinate with regional hospitals for care facility status.	Planned
		Dispatch New York State Police vehicles (and track their location) as well as coordinate with all other public safety agencies.	Existing
		Generate Amber Alerts and distribute them to regional emergency management agencies, transit agencies, traffic agencies, and the media.	Existing
		Participate in the incident response, coordination, and reporting of the Statewide Information Exchange Network in a coordination effort only (no dispatch function).	Existing
		Receive and respond to threat information from state agencies and local TOCs regarding critical infrastructure.	Existing
		Receive early warning information and threat information from the New York SECC.	Existing
		Receive local signal preemption from municipal and state-operated traffic signals.	Existing
	Incident Management		
		Coordinate an incident response with regional rail operations for incidents involving rail.	Planned
		Coordinate incident response with other public safety agencies (police, fire, EMS, sheriff, etc.) as well as with other NYS Police units.	Existing
		Coordinate maintenance resources in response to incidents on state highways with regional maintenance providers.	Existing
		Dispatch State Police vehicles for incidents on state highways.	Existing
		Perform incident detection and verification for the highways within the region, and provide this information to traffic and other public safety agencies (including state and local agencies).	Existing
NYSDEC - New York State Department of Environmental Conservation	Emergency Management		
		Collect and monitor environmental and air emissions data.	Existing
		Plan and coordinate region wide emergency plans, evacuation and reentry plans, and disaster management plans dealing with HAZMAT incidents.	Existing
NYS DOT - New York State Department of Transportation	Archived Data Systems		
		Collect and archive maintenance and construction information and asset information from the agency's maintenance garage, regional maintenance offices and Regional TOCs.	Existing
		Collect and archive roadside data (weather data and traffic sensor data) and traffic information to the Highway Data Services and the Archive Management System.	Existing
		Collect and archive traffic safety and emergency information.	Existing
		Collect and archive transit information about transit services within each region and across the state.	Existing
		Coordinate with other NYSDOT archives.	Planned
		Coordinate with other regional traffic and MPO databases.	Planned
		Coordinate with other statewide archives (e.g. DMV).	Planned

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		Function as a data warehouse as well as coordinate with other regional travel information and traffic safety databases, transit databases, emergency databases, etc. so as to allow one access point for all archive databases.	Planned
	Commercial Vehicle Operations		
		Operate the New York CVIEW system, which coordinates with regional and national databases as well as the local DMV (for electronic clearance), and roadside inspection systems to process and issue online credentials applications.	Existing
		Provide an interface with SAFER, IFTA, HUT, COMPASS and other regional and national databases.	Existing
		Provide E-citations to violators within the state.	Planned
		Provide electronic clearance at weight stations and provide weight inspections for private fleet systems and their commercial vehicles.	Existing
		Provide enforcement of regional permits for OS/OW or HAZMAT, safety inspections, and for credential violations.	Existing
		Provide for mobile or stationary roadside safety inspections on all roads in New York. Coordinate with other regional databases for additional information and reporting.	Existing and Planned
		Provide mobile and fixed point weigh-in-motion for private fleet systems and their commercial vehicles, and provide daily feedback on activities and violations at inspection sites.	Planned
		Provides an electronic (web based) credentials interface for purchasing and processing of commercial vehicle credentials applications (OSCAR).	Existing
		Send daily site activity information to the New York CVIEW System, FMCSA SAFER and FMCSA COMPASS.	Existing
	Emergency Management		
		Aid in the coordination of region wide emergency plans, evacuation and reentry plans, and disaster management plans.	Existing
		Dispatch the NYSDOT's courtesy patrol vehicles (HELP) and track their location, and coordinate with all other public safety agencies and communications centers within the Region.	Existing
		Participate in the incident response, coordination, and reporting of the Statewide Information Exchange Network in a coordination effort only (no dispatch function).	Planned
		Provide evacuation, incident, and transportation system status information to regional public information systems, the media, and on the NYSDOT Traveler Information System (511NY.ORG).	Existing
		Provide local signal preemption to public safety vehicles.	Existing
		Receive Amber Alert and other Wide Area Alert information from the New York State Police and post alert information on NYSDOT Motorist Information Systems.	Existing
		Receive early warning information and threat information from the New York SECC.	Existing
		Receive Wide Area Alert information the New York SECC.	Existing
	Freeway Management		
		Coordinate traffic information and control with local TOCs, regional TOCs, and the NYSDOT STICC.	Existing
		Operate network surveillance equipment (CCTV Cameras, field sensors, etc.) on state owned highways.	Existing
		Operate ramp metering devices and lane control equipment on state owned highways.	Existing
		Operate reversible lane signals and controls on NYSDOT arterials, highways, and bridges.	Existing
		Provide traffic information reports to regional information service providers, private information service providers, and the NYSDOT Traveler Information System (511NY.ORG).	Existing
		Provide traffic information to regional maintenance departments and regional transit providers.	Planned
		Provide traffic information to regional transportation agencies and the general public through traffic information devices (DMS, Highway Advisory Radio).	Existing

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	Incident Management		
		Coordinate incident response with the state police and local public safety providers.	Existing
		Coordinate maintenance resources for incident response with the NYSDOT Maintenance Department.	Existing
		Dispatch the NYSDOT's courtesy patrol vehicles (HELP) and track their location.	Existing
		Perform incident detection and verification on state highways, and provide this information to the regional TOCs.	Existing
		Perform network monitoring for detection and verification of incidents on State owned highways and arterials.	Existing
		Provide CCTV images of incidents to other regional transportation agencies and local emergency responders through the NYSDOT Video Exchange Network (VEN).	Existing
		Provide incident information to local emergency responders through the NYSDOT Integrated Incident Management System (IIMS).	Existing
		Provide incident information to local emergency responders through the NYSDOT Statewide Information Exchange Network (IEN).	Existing
		Provide incident information to travelers via traffic information devices on highways (e.g., DMS, NYSDOT Traveler Information System (511NY.ORG), etc).	Existing
		Share incident information with local TOCs, regional TOCs, and the NYSDOT STICC.	Planned
	Maintenance and Construction		
		Collect road weather information with agency field equipment and distribute it to regional traffic, maintenance and transit agencies as well as the national weather service, the media, and to travelers (through ISPs).	Existing
		Collect road weather information with other weather services, including the National Weather Service, CLARUS and other private providers and distribute it to regional traffic, maintenance and transit agencies as well as the national weather service.	Existing
		Coordinate maintenance resources for incidents with other regional maintenance providers.	Existing
		Coordinates maintenance and construction activities with other regional maintenance and construction agencies.	Existing
		Dispatch agency maintenance vehicles.	Existing
		Distribute maintenance and construction plans and work zone information to regional information service providers, regional traffic operations, emergency operations, rail operations, and the media.	Existing
		Provide maintenance of state highways within the region, including pavement maintenance and all construction activities.	Existing
		Provide maintenance status to regional transit agencies, regional emergency management agencies, and to travelers (through ISPs).	Existing
		Provide maintenance to all field equipment owned and operated by the agency.	Existing
		Provide winter road maintenance for all agency arterials and highways and provide roadway maintenance status information to regional public safety agencies, regional transit agencies, and the agency's traffic centers.	Existing
		Receive a request for maintenance resources for incident response from regional emergency management agencies.	Existing
	Surface Street Management		
		Coordinate HRI signal adjustments with private rail operators.	Existing
		Coordinate traffic information and control with local TOCs, regional TOCs, and the NYSDOT STICC.	Existing
		Operate network monitoring equipment (CCTV cameras, field sensors, etc.) on designated municipal, county, and state owned streets.	Existing

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		Operate traffic signal systems on designated city, county, and state owned streets, including traffic signals, sensor systems (CCTV), and right of way requests.	Existing
		Provide emergency signal preemption for local fire and EMS vehicles and local police/sheriffs vehicles.	Planned
		Provide traffic information reports to regional information service providers, private information service providers, and the NYSDOT Traveler Information System (511NY.ORG).	Existing
		Provide traffic information to regional agencies including transit, emergency management, maintenance and construction, and the media.	Existing
		Provide transit signal priority for regional bus rapid transit vehicles.	Planned
	Transit Services		
		Provide traffic incident reports and road network conditions to Regional Bus Rapid Transit Operators.	Planned
		Provide transit schedule, ridership and fare information between transit agencies within the state, to transit data archives, to the NYSDOT Traveler Information System (511NY.ORG), to TRIPS123, to regional traveler information providers, and to private se	Existing
	Traveler Information		
		Collect traffic, maintenance and construction information, and emergency information from statewide providers.	Existing
		Collect traffic, maintenance and construction information, emergency and transit schedule and fare information from regional providers.	Existing and Planned
		Collect transit information from regional transit providers.	Existing
		Coordinate and share traveler information with all other traveler information providers within the region.	Planned
		Operate the NYSDOT Regional Public Information Offices and at the Main Office.	Existing
		Operate the NYSDOT Traveler Information System (511NY.ORG).	Existing
		Provide broadcast information to travelers.	Existing
		Provide traffic, maintenance and construction, road network conditions and transit information to the media, private travelers, and various traveler information services (including the agency website, regional kiosks, etc.).	Existing
		Provide traveler information to private travelers (in vehicle, personal computing device, or kiosk) upon request.	Planned
		Provide traveler information to the media.	Existing
	NYSTA - New York Thruway Authority		
	Archived Data Systems		
		Collect and archive maintenance and construction information and asset information from the agency's maintenance garage, and district maintenance offices.	Existing
		Collect and archive roadside data (weather data and traffic sensor data) and traffic information to the agency's Archive Management System.	Existing
		Collect and archive traffic safety and emergency information.	Existing
		Coordinate with other regional traffic and MPO databases.	Planned
		Coordinate with other statewide archives (e.g. DMV).	Planned
	Commercial Vehicle Operations		
		Provide electronic clearance at weight stations and provide weight inspections for private fleet systems and their commercial vehicles on the Authority's highways.	Existing
		Provide enforcement of regional permits for OS/OW or HAZMAT, safety inspections, and for credential violations.	Existing

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		Provide for mobile or stationary roadside safety inspections on the Authority's highways.	Existing
		Provide mobile and fixed point weigh-in-motion for private fleet systems and their commercial vehicles, and provide daily feedback on activities and violations at inspection sites along the Authority's highways.	Planned
	Emergency Management		
		Aid in the coordination of region wide emergency plans, evacuation and reentry plans, and disaster management plans.	Planned
		Dispatch the NYSDOT's courtesy patrol vehicles (HELP) and track their location, and coordinate with all other public safety agencies and communications centers within the Region.	Planned
		Participate in the incident response, coordination, and reporting of the Statewide Information Exchange Network in a coordination effort only (no dispatch function).	Planned
		Receive Amber Alert and other Wide Area Alert information from the New York State Police and post alert information on NYSDOT Motorist Information Systems.	Planned
		Receive early warning information and threat information from the New York SECC.	Planned
		Receive Wide Area Alert information the New York SECC.	Planned
	Freeway Management		
		Coordinate traffic information and control with Local TOCs, NYSDOT Regional TOCs, and the NYSDOT STICC.	Existing
		Operate network surveillance equipment (CCTV Cameras, field sensors, etc.) on Authority highways.	Existing
		Provide traffic information reports to regional information service providers, private information service providers, and the NYSDOT Traveler Information System (511NY.ORG).	Planned
		Provide traffic information to regional maintenance departments and regional transit providers.	Planned
		Provide traffic information to regional transportation agencies and the general public through traffic information devices (DMS, Highway Advisory Radio).	Existing
	Incident Management		
		Coordinate incident response with the state police and local public safety providers.	Existing
		Coordinate maintenance resources for incident response with the Authority's Maintenance group.	Existing
		Dispatch the NYSDOT's courtesy patrol vehicles (HELP) and track their location.	Existing
		Perform incident detection and verification on state highways, and provide this information to the TSOC.	Existing
		Perform network monitoring for detection and verification of incidents on Authority operated highways.	Existing
		Provide CCTV images of incidents to other regional transportation agencies and local emergency responders through the NYSDOT Video Exchange Network (VEN).	Existing
		Provide incident information to local emergency responders through the NYSDOT Integrated Incident Management System (IIMS).	Planned
		Provide incident information to local emergency responders through the NYSDOT Statewide Information Exchange Network (IEN).	Existing
		Provide incident information to travelers via traffic information devices on highways (e.g., DMS, NYSDOT Traveler Information System (511NY.ORG), etc).	Existing
		Share incident information with local TOCs, NYSDOT Regional TOCs, and the NYSDOT STICC.	Planned
	Maintenance and Construction		
		Collect road weather information with agency field equipment and distribute it to regional traffic, maintenance and transit agencies as well as the national weather service and the media.	Existing
		Coordinate maintenance and construction activities with other regional maintenance and construction agencies.	Existing

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		Coordinate maintenance resources for incidents with other regional maintenance providers.	Existing
		Dispatch Authority maintenance vehicles.	Existing
		Distribute maintenance and construction plans and work zone information to regional information service providers, regional traffic operations, emergency operations, rail operations, and the media.	Existing
		Manage work zones on all Authority maintenance and construction activities, as well as monitors work zone safety with agency field devices and vehicles.	Existing
		Provide maintenance of Authority roadways, including pavement maintenance and all construction activities.	Existing
		Provide maintenance status to regional transit agencies, regional public safety agencies, and to travelers (through ISPs).	Existing
		Provide maintenance to all field equipment owned and operated by the Authority.	Existing
		Provide road weather information to regional emergency management providers, regional traffic agencies, regional transit agencies, and regional public information services.	Planned
		Provide winter road maintenance for all Authority roadways and provide roadway maintenance status information to regional public safety agencies, regional transit agencies, and the TSOC.	Existing
		Receive a request for maintenance resources for incident response from regional emergency management agencies.	Existing
		Receive vehicle location information from agency maintenance and construction vehicles.	Planned
		Receive vehicle maintenance conditions from agency maintenance and construction vehicles and coordinate fleet maintenance with agency equipment repair facility/garage.	Existing
	Traveler Information		
		Coordinate and share traveler information with all other traveler information providers within the region.	Planned
		Provide broadcast information to travelers.	Existing
		Provide traffic, maintenance and construction, and road network conditions to the media, private travelers, and various traveler information services (including the agency website, regional kiosks, etc.).	Existing and Planned
		Provide traveler information to private travelers (in vehicle, personal computing device, or kiosk) upon request.	Planned
		Provide traveler information to the media.	Existing
	Private Mayday/Concierge Service Providers		
	Emergency Management		
		Dispatch the private ambulances and other EMS vehicles (and track their location) and coordinate with all other public safety agencies and communications centers within the Region.	Planned
		Provide mayday services to private travelers.	Existing
	Private Traveler Information Providers		
	Traveler Information		
		Collect traffic, incident, transit schedule, road maintenance and weather information and provide it to the media and private travelers.	Existing
		Coordinate and share traveler information with all other traveler information providers within the region.	Existing
	Regional Bus Rapid Transit Operators		
	Transit Services		
		Coordinate emergency plans with Local EOCs and the New York SECC and provide emergency transit services for evacuations, fires, and disasters (including re-entry).	Planned

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		Coordinate transit service with other regional transit providers, as well as regional intermodal terminals and regional airports.	Planned
		Coordinate transit service with park and ride lots and other regional parking management systems.	Planned
		Count the number of passengers entering and exiting transit vehicles.	Planned
		Obtain traffic signal priority for all fixed route transit vehicles along the bus rapid transit routes.	Planned
		Provide automated transit maintenance scheduling through automated vehicle condition reports on all agency fixed route transit vehicles.	Planned
		Provide fixed route bus service along bus rapid transitways.	Planned
		Provide transit passenger electronic fare payment on all agency fixed route transit vehicles.	Planned
		Provide transit schedule, ridership and fare information to the NYSDOT TSIP and to transit data archives.	Planned
		Provide transit security on all agency transit vehicles and at transit transfer centers through silent alarms, sensors, and monitoring systems.	Planned
		Provide transit traveler information on all customer information systems, on fixed route transit vehicle, transit information kiosks, regional kiosks, and at regional transportation centers.	Planned
		Share transit incident information with Regional TOCs and local emergency responders.	Planned
		Track vehicle location and evaluate schedule performance on all agency fixed route transit vehicles.	Planned
TRANSCOM			
	Incident Management		
		Share incident information with regional traffic management agencies.	Existing
	Traveler Information		
		Coordinate and share traveler information with all other traveler information providers within the region.	Existing
TRANSMIT Agencies			
	Freeway Management		
		Operate probe surveillance equipment on roadways.	Existing
		Provide traffic probe data to TRANSMIT Servers.	Existing