

ITS Inventory

<i>ITS Element</i>	<i>Description</i>
511NY.ORG	Traveler information system, including web site and interactive voice response (IVR), for traffic, transit, roadway, and weather information providing New York State travelers with up-to-date information on road conditions, traffic, construction, transit itinerary planning and other activity affecting transportation managed by NYSDOT.
Archived Data User Systems	This represents the systems that are used to access archived transportation, maintenance, construction, transit, and crash data for research, planning, and other off-line uses.
CHEMTREC / CANUTEC	Hazardous material information specialist used by public safety agencies in the United States to plan and effect a safe Hazmat response
Clarus	The Clarus initiative is a federal project and system that provides qualified weather observation data from local and regional road and rail weather observations to serve a greater community of transportation system operators.
Commercial Vehicle Driver	Operators of commercial vehicles.
Commercial Vehicle Fleet Dispatch Systems	Charter bus fleets, major truck fleet operators, taxi services, limo services, etc. Note that the dispatch may actually be outside the state.
Commercial Vehicles	Private commercial and fleet vehicles.
CVO Inspector	Responsible for the inspection of commercial vehicles within the region.
Financial Institutions	Represents the financial institutions the regional transit agencies will use as part of electronic fare payment systems.
FMCSA SAFER and COMPASS	An on-line system that will be available to users over a nationwide data network which will return a standard carrier safety fitness record to the requesters.
Government Reporting Systems	This general element is used in the ITS architecture to represent various government agency systems that require transportation reports.
I-95 CC Information Exchange Network	I-95 Corridor Coalition (eastern states) incident, traffic, and traveler information exchange network.
Local 911 Call Centers	Represents the Public Safety Answering Points (PSAP) for the municipality and/or county. These PSAPs are centers where emergency calls are received and entered into a system database. The center then routes the information to the appropriate public safety agency for dispatch or response. The center is sometimes also the dispatch center.
Local DPW Dispatch	This includes city, county, and agency specific maintenance dispatch systems.
Local DPW Maintenance and Construction Vehicles	Represents the ITS equipment, such as mobile data terminals, in the maintenance vehicles that are dispatched by the maintenance departments for local municipalities and counties.

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Local EOC	This element represents county, municipal, and other local emergency operations centers that coordinate emergency response with SEMO and the NYSDOT STICC.
Local Fire/EMS Dispatch	This includes local city, county fire and EMS dispatch systems.
Local Fire/EMS Vehicles	Represents the ITS equipment, such as mobile data terminals, in municipal and county emergency fire and EMS vehicles.
Local Police/Sheriff Dispatch	Represents city, town, village police departments, and county sheriffs departments dispatch functions.
Local Police/Sheriffs Vehicles	Represents the ITS equipment, such as mobile data terminals, in municipal and county law enforcement vehicles.
Local Traffic Control Center	Central control and operation of city and county ITS field equipment, including traffic signals, CCTV cameras and dynamic message signs.
Local Traffic Field Equipment	ITS field equipment operated by municipal and county traffic management centers.
Local Transit Operators Systems	Represent regional, city, or county-operated transit systems.
Local Transit Operators Transit Data Archives	This archive includes ridership, maintenance data, and operational data (e.g., route coverage) for transit properties in New York. This database can support federal reporting requirements (Section 5311). System designers may use the data to validate their work.
Local Transit Vehicles	Represents the ITS equipment, such as mobile data terminals and AVL equipment, in transit vehicles operated by municipal or county transit systems not specifically called out in the regional ITS architecture.
Maintenance and Construction Operations Personnel	Maintenance and Construction Operations Personnel.
MPO Data Collection and Reporting System	A multimodal transportation data archive operated by the MPO for the Greater Buffalo metropolitan area.
National Weather Service	Service for national, regional, and local weather information.
New York State CV Safety Roadside Inspection Operations	Local scales and commercial vehicle inspection facilities operated in New York State.
New York State Disaster LAN	Network used for information exchange and coordination between emergency management and public safety during disasters.
New York State Emergency Coordination Center (SECC)	Statewide emergency operations center in Albany, activated for major emergencies within the State of New York.
NYAlerts System	System provides transportation incident alerts via e-mail and personal information devices (PDAs, phones).
NYS Commercial Vehicle Information Exchange Window (CVIEW)	Commercial Vehicle Information Exchange Window (CVIEW) routes Inspection Reports in near real-time and stores and distributes intrastate and interstate carrier and vehicle snapshots within a state. CVIEW connects to SAFER for exchange of interstate snapshots and other reports and data. CVIEW is an electronic data exchange system or 'portal' that connects the various systems in the State of New York
NYS DMV Accident Reporting System	A database of collision information collected by law enforcement and maintained by the Department of Motor Vehicles in New York

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NYS DMV Licensing and Registration System	This system provides commercial driver's license and vehicle registration in New York. This system provides a traditional interface to the motor carrier which will be augmented by an electronic interface through the OSCAR system.
NYS IFTA and NYS HUT	IFTA is a national clearinghouse designed to allocate fuel taxes between multiple states for motor carrier activities across jurisdictional lines, in accordance with the International Fuel Tax Agreement (IFTA). The HUT system collects Highway Use Taxes (HUT) from motor carriers associated with commercial vehicle operations in the State of New York.
NYS Police Commercial Vehicle Enforcement Unit	The back office systems operated by the NY State Police for commercial vehicle enforcement.
NYS Police Dispatch	Dispatch center for New York State Police and Highway Patrol.
NYS Police Safety and Accident System	Traffic records database including collision data, maintained by the DMV.
NYS Police Vehicles	Represents the ITS equipment, such as mobile data terminals, in Ohio State Highway Patrol vehicles.
NYSDEC Field Equipment	Field equipment owned and operated by NYSDEC. Includes emissions monitoring stations throughout the region.
NYSDEC Regional Office	This regional office is one of the allied agencies that is involved in incident response, specifically those with potential for environmental impact because hazardous materials are involved, or for other reasons.
NYSDOT Bridge Management System	This database identifies all bridges and identifies all pertinent information about the bridges including dimensional and weight limitations and a record of all bridge inspections.
NYSDOT CCTV	Traffic monitoring CCTV cameras.
NYSDOT HELP Vehicles	Courtesy patrol vehicles operated by NYSDOT and NYSTA on New York State roads.
NYSDOT Highway Work Permit System	The NYSDOT permit system that must be completed prior to any work being done within the NYSDOT right-of-way.
NYSDOT Infrastructure Restrictions Database	This database contains a comprehensive highway restrictions (lane closures, shoulder work, etc. caused by scheduled construction and maintenance or incidents) and dimensional limitations (width, height, turning radius) for NYSDOT highways and roads. This database represents a single up-to-date source of the current highway configuration for the roads managed by NYSDOT.
NYSDOT Infrastructure Security Monitoring Equipment	Represents security monitoring equipment for NYSDOT transportation assets.
NYSDOT Integrated Incident Management System (IIMS)	The Integrated Incident Management System (IIMS) provides an interface between emergency and maintenance vehicles and centers involved in incident management.
NYSDOT ITS and Traffic Signal Asset Management System	NYSDOT system manages the attributes of ITS assets.

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NYS DOT Main Office Environmental Analysis Bureau	The systems operated by this bureau collect air quality data and make this data available for archival, planning, and analysis.
NYS DOT Main Office Highway Data Services	This system collects traffic data from a statewide system of dedicated traffic count stations and also from the NYSDOT regional offices. This system collects vehicle classification, weight, and other traffic measures. It also includes the roadway characteristics and condition ratings for the highways. Data services also collects "Photolog" information, which is a series of photos of the state highway system.
NYS DOT Main Office PPMIS	The PPMIS, consisting of the Program Support System (PSS) and the Project Management Information System (PMIS), supports the planning, management, implementation and monitoring of the Department's capital program. PPMIS maintains planning, finance, and project information as it tracks each project from initial development to construction completion and final payment. PPMIS can be utilized for program analysis and long range traveler information.
NYS DOT Maintenance	Represents the dispatch function for maintenance and construction for routine and emergency road maintenance.
NYS DOT Maintenance Asset Management Information System (MAMIS)	Roadway asset and maintenance work order management system.
NYS DOT Maintenance Decision Support System (MDSS)	The Maintenance Decision Support System (MDSS) is a decision support tool that integrates relevant road weather forecasts, coded maintenance rules of practice, and maintenance resource data to provide winter maintenance managers with recommended road treatment strategies.
NYS DOT Maintenance Vehicles	Represents the ITS equipment, such as mobile data terminals, in the maintenance vehicles that are dispatched by NYSDOT.
NYS DOT Motorist Information Systems	Includes NYSDOT dynamic message signs and highway advisory radio.
NYS DOT One Stop Credentialing and Registration (OSCAR)	Provides a single point of entry and information for CVO credentialing and registration.
NYS DOT Oversize and Overweight System	This system provides permits to all overweight vehicles with normal dimensions. Divisible loads include logs, sand, asphalt, gravel, etc.
NYS DOT Public Information Office - Main Office	NYS DOT Main Office Public Information Officer distributes information to media. All the Regional Public Information Officers are part of the same department as the Main Office Public Information Officer.
NYS DOT Regional Public Information Office	NYS DOT regional public information office distributes information to media. The NYSDOT Regional Public Information Officer is part of the same department as the Main Office Public Information Officer.
NYS DOT Regional Streetwise Servers	Provides central approach to closed loop traffic signal control.
NYS DOT Regional Traffic Operations Center (RTOC)	Central control and operation of roadways using ITS devices such as CCTV, DMS, and traffic signals, and ramp meters. Traffic operations centers perform traffic incident management functions and coordination with emergency responders.

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NYSDOT Statewide Information Exchange Network (IEN)	The Statewide Information Exchange Network (IEN) provides for the interchange of traffic and incident information between regional TOCs, NYSTA TSOC, and the STICC. Incident information is collected from public safety via the IEN. Traffic, incident and emergency information is shared with transit operators via the IEN. Information is shared with the 511NY.ORG for traveler information. The system will migrate from a CARS implementation to SMARTNET.
NYSDOT Statewide Operations Center Archive Management System	The archive management system for the NYSDOT. Functionally located within the STICC.
NYSDOT Statewide Transportation Information Coordination Center (STICC)	Central statewide traffic operations center for New York State.
NYSDOT Statewide Video Exchange Network (VEN)	NYSDOT video exchange between TOCs and STICC.
NYSDOT Traffic Count Stations	Traffic count stations owned and operated by NYSDOT.
NYSDOT Traffic Monitoring Section Office	NYSDOT office receives traffic count and commercial vehicle operational data.
NYSDOT Traffic Sensors	Real-time traffic count, volume, occupancy, and speed monitoring equipment.
NYSDOT Traffic Signal Inventory and Maintenance System	Inventories each traffic signal intersection including equipment at that intersection as well as maintenance and dispatch history. The maintenance and dispatch data will be collected in the future.
NYSDOT Traffic Signals	Signal controllers operated and maintained by NYSDOT.
NYSDOT Transit Service Information Portal (TSIP)	New York statewide information exchange system and archive for schedule, ridership, and fare information.
NYSTA CCTV	Traffic monitoring CCTV cameras.
NYSTA CVO Inspection Stations	Commercial vehicle inspection stations operated by NYSTA.
NYSTA Division Traffic Office	The local division traffic offices operated by NYSTA that oversee operations and maintenance activities for NYSTA operated roadways in conjunction with the NYSTA Statewide Operations Center.
NYSTA Electronic Toll Collection Equipment	Represents the toll collection field equipment. E-ZPass is the beacon-tag system used for toll collection.
NYSTA E-ZPass Service Center	The NYSTA CSC (Customer Service Center) is one of a network of CSCs that allow reciprocity for E-ZPass travelers across several toll systems across the North East. These cooperating agencies are all members of the Inter-Agency Group (IAG).
NYSTA E-ZPass Web Page	Web site and information portal (including account information) for E-ZPass customers.
NYSTA Freeway Control Devices	Any ITS roadside field devices used to control the traffic flow on NYSTA's highway. These may include lane control devices, variable speed limit signs, etc.
NYSTA Infrastructure Inventory and Inspection System	The asset management system for the NYSTA. This database includes all highway infrastructure data including rock slope, culvert, and bridge information.

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NYSTA Maintenance and Construction Vehicles	Vehicles used by NYSTA to manage and perform road maintenance and construction.
NYSTA Maintenance Management System	The NYSTA's maintenance management system.
NYSTA Maintenance Storage Facility	Represent the various maintenance facilities that are used to store the materials. Material may be located at one of the approximately 25 Maintenance and Operations facilities, but there are also locations in-between that house materials.
NYSTA Motor Equipment Maintenance	Equipment repair facilities/shops for NYSTA maintenance and construction vehicles.
NYSTA Motorist Information Systems	Represents roadside field devices that provide traveler information to motorists. Includes dynamic messages signs, variable message signs, and highway advisory radios.
NYSTA Occupancy and Work Permit System	This system manages contractor permits for NYSTA.
NYSTA Operations and Maintenance	Represents the dispatch function for Thruway maintenance and construction vehicles for routine and emergency road maintenance.
NYSTA RWIS/SWIS	Environmental sensor stations operated by NYSTA.
NYSTA Service Plaza Kiosks	Interactive kiosks operated by the NYSTA and located at roadside service plazas.
NYSTA Tandem Program Database	This system is used to manage the list of carriers who are certified to operate tandem (two trailer) vehicles on specially designated roads in New York State.
NYSTA Thruway Statewide Operations Center (TSOC)	Thruway statewide management center that coordinates information and local Thruway operations center activities.
NYSTA Thruway Statewide Operations Center Archive Management System	The archive management system for the Thruway Authority. Functionally located within the statewide operations center.
NYSTA Toll Plaza	Toll Plaza offices, which operate and monitor the toll plazas on the NYSTA.
NYSTA Toll Plaza Lane Equipment	Toll plaza lane equipment, which controls the toll plaza lanes. Includes equipment to indicate whether the lane is open or closed to on-coming traffic.
NYSTA TOPS	New York State Thruway Authority's Over-Dimensional Permit System (TOPS). Automated Special Hauling Permit System. This system issues permits for overdimension and overweight vehicles.
NYSTA Traffic Sensors	Real-time traffic count, volume, occupancy, and speed monitoring equipment.
NYSTA Work Zone Equipment	Represents the ITS field equipment at work zones.
Private AVL Vendor Servers	Private vendor systems that collect and disseminate automated vehicle location (AVL) and vehicle operational data.
Private Mayday/Concierge Service Center	National services (e.g., GM On-Star) that provide Mayday and traveler information services for their customers.
Private Newspaper, Television, and Radio Stations	Local television, radio, and newspapers.

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Private RWIS Vendor Servers	Private vendor systems that collect and disseminate road weather information from mobile and fixed data sources and weather information services.
Private Traveler Information Device	Personal devices used by the traveling public. Includes PCs, pagers, etc.
Private Traveler Information Systems	Represents the private traveler information providers serving the region. This element could, in the future, provide support to the National Traveler Information 511 number since it collects information from a broad array of operating centers. Could also include a website.
Private Traveler Vehicles	Vehicles owned by travelers.
Private Weather Service Systems	Private weather information providers.
Rail Wayside Equipment	The rail operated equipment at highway rail intersections.
Regional Airports	Regional airports that are owned and operated by the local municipalities or counties where they reside.
Regional BRT Customer Information System	Customer and traveler information systems for regional bus rapid transit operations.
Regional BRT Kiosks	Point of sale and traveler information kiosks located in regional BRT facilities.
Regional BRT Operations Control Center	Regional Bus Rapid Transit (BRT) transit operations center systems. Transit center performs the dispatch function sand coordination point for transit, emergency, public safety, and traffic management.
Regional BRT Security Systems	Represents on-board and fixed location security systems such as CCTV and alerting systems.
Regional BRT Transit Data Archive	This archive includes ridership, maintenance data, and operational data (e.g., route coverage) for transit properties in New York. This database can support federal reporting requirements (Section 5311). System designers may use the data to validate their work.
Regional BRT Traveler Card	Transit fare payment card.
Regional BRT Vehicles	Bus rapid transit vehicles.
Regional Event Promoters	Represents statewide and regional event information systems.
Regional Ferry Terminals	Represents transportation ferry terminals.
Regional Medical Centers	Medical centers (e.g. hospitals and trauma centers) throughout the region.
Regional Parking Management Systems	Represents systems of parking providers, usually adjacent or closely associated with multi-modal facilities such as airport, transit, and ferry terminals.
Regional Rail and Bus Terminals	Represents Amtrak, Metro-North, and inter-city bus terminals.

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TRANSCOM RA Servers	The TRANSCOM regional architecture (TRA) is a program. It coordinates the collection and redistribution of traffic flow, origin-destination, incident, construction, equipment status and special event information data between transportation management centers running the TRANSCOM regional architecture. Both highway and transit facility data is distributed via TRA.
TRANSCOM TRIPS123	Regional transit itinerary planning and traveler information system operating in New York, New Jersey, and Connecticut.
TRANSMIT Agencies Field Equipment	TRANSMIT transponder readers.
TRANSMIT Agencies TRANSMIT Servers	TRANSMIT agencies central equipment that interconnect with TRANSMIT field equipment. Agencies with TRANSMIT Servers include NYSTA and NYSDOT.