

New York City Sub Regional ITS Architecture Functional Area Meeting Minutes

Functional Areas: Maintenance and Construction #1
Location: NYSDOT Hunters Point Plaza, Long Island City, NY
Meeting Date: June 2, 2003
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Maintenance and Construction Operations (MCO) Functional Area Meeting (10am – 12:30pm)

1. Introductions/Service Announcements

2. Commercial Vehicles Operations Issues Discussed

- Vehicle Tracking
- Weather Information Data Collection and Distribution
- Winter Maintenance
- Roadway Maintenance
- Roadway Construction
- Maintenance and Construction Coordination

Vehicle Tracking

- Automated Vehicle Location
 - NYCDOT - Pothole and roadway repairs, signals inspectors. Dispatched from SAM (Street and Arterial Maintenance Division) and provided to TMC.
 - TRANSCOM – NJTransit tracks buses on 495 corridor using E-ZPass. Thruway may start using same system to track maintenance vehicles.
 - PANYNJ? – On GWB.

Weather Information Data Collection and Distribution

- Where is data collected and processed?
- How is data used?
- Is data shared between agencies or disseminated to the public?
- NYSDOT – Statewide system and sent to Albany. Has not been built in City yet. Connects to ATMS R11.
- RA – Planned interface to MAGIC, and other agencies.

- NYCDOT – Planned on bridges. Surface street conditions from cameras. Planned integration of the Brooklyn Bridge sensors to the TMC.
- All agencies get information from media. Transcom gets updates every 2 hours from AccuWeather. NYSDOT collects from a private weather provider into the JTOC.
- NYSDOT – Provides to the maintenance residencies.
- NYCDOT – Sent to construction and maintenance crews and other agencies such as DOS and DEP. Currently by phone, but planned data connections. NYCOEM provides TMC with weather emergency advisories, including tidal conditions. NYCOEM gets its information from weather providers and USCoast Guard.
- NYCDOT wind conditions – high wind information should be sent to work zones. From TMC to NYCDOT bridge maintenance field offices, NYCDOT OCMC (Office of Construction Mitigation and Coordination) and SAM. Distinction between tidal and runoff conditions.
- NYSDOT wind conditions – possibly high wind information from JTOC to EIC.
- All agencies will send information about salting operations and icing conditions to TRANSCOM.
- NYSDOT – recently set up a statewide Emergency Road Reporting System. Web-based system generated by OFT (Office of Finance Technology). Reports generated from state police, maintenance residencies. Information reported to the public.

Winter Maintenance

- Coastline gets flooded during snow. Mostly DEP issue, to clean catch basins. NYPD is notified also.
- NYCDOT contacts DOS, with backup from NYPD if necessary. NYCDOS will notify NYCDOT of status and NYCDOT maintenance inspectors will check also. Removal of snow/ice on East River bridges handled by NYCDOT maintenance and anti-ice crews. Brooklyn Bridge has permanent anti-icing equipment. Planned - Bridge Field offices will have equipment and connections to TMC and SAM yards.
- NYCDOS – sends advisories to OEM and TMC on expected snowstorm.
- NYSDOT – generally NYCDOS cleans, although maintenance residencies are notified.
- NYCDOT will contact other regional agencies if necessary, including TRANSCOM.
- NYCDOT's transit group. TMC will send information to the franchise buses and also collects bus advisories (delays, route changes) as frequent as 1 hour. TMC might be able to provide and collect similar data to NYCT.
- TRANSCOM Snow Operations Report – Collects every 2 hours from all the agencies and distribute the information to other agencies and other employers who contracts the information from TRANSCOM. NYCT, franchise buses, and NJT will inform TRANSCOM on route changes and delays. Weather-created incidents are reported as they are generated.
- NYCT – If bus stop needs clearing up, may reach out to TMC.

Roadway Maintenance

- NYCDOT TMC – has the information. Planned pothole repairs and downed signs will be sent to TMC as an advisory from the various divisions (SAM, Bridges, OCMC). Any construction (city, state and private) needs permits from OCMC.
- Unplanned (emergency) – will contact OCMC, who will let the TMC know by e-mail or phone. TMC will notify other agencies and TRANSCOM as necessary. Will dispatch OER vehicle to inspect the incident.
- NYSDOT contacts OCMC for permits. NYSDOT R11 contacts TMC for maintenance information (NYCDOT MICE and IIMS).

- Signals and lighting maintenance. Will contact private contractor.
- TRANCOM – receives planned maintenance from all agencies.
- Removal of debris
- Installation and maintenance of equipment on other agencies' jurisdiction
- Other agencies
 - NYC Department of Sanitation
 - NYC Department of Parks and Recreation (Permitting/Environmental)

Roadway Construction

- Is planned and Maintenance and Protection of Traffic are setup.
- NYCDOT is posting schedules on website. Bridges is already available. Receives a listing of all work permits on CATS.
- MOSAICS – NYCDOT currently a closed system with construction permits and schedules, but will be mapped on the GIS. Does not include limited access.
- Trips123 will have all agencies' construction schedule on its site. RA will have this information and Trips123 will have a link. TRANSCOM gets a weekly update from all agencies (NYCDOT, R11, MTA, PANYNJ) and distributes a weekly report, currently by fax.
- NYSDOT will post their construction schedules based on GIS in the future. NYSDOT do maintain a system an updated construction schedule (NYSDOT R11 construction report).

Maintenance and Construction Coordination

- TRANSCOM RA
- NYCDOT Office of Construction and Maintenance Coordination Tracking System??
- NYCDOT Street and Arterial Maintenance
- Transit Interfaces – Affect on Routes