

NYSAMPO GIS WORKING GROUP
FEBRUARY 21, 2012
MINUTES

Participating:

- A/GFTC – Kate Mance
- CDTC – Teresa Lasalle
- ECTC - Mike Perry
- GBNRTC – Kim Smith ☎
- GTC – Chris Tortora
- HOCTS – Jeff Quackenbush, Erin Tylutki
- NYMTC – Munesh Patel ☎
- PDCTC – Emily Dozier, Monica Rusko ☎
- SMTC – Jason Deshaies, Liz Hassett
- NYSDOT – Kevin Hunt, Michael Burke, Henry Kovacs

NYSDOT Updates:

- ALIS/QRA [Hunt]
 - NYSDOT completed business case to move hardware and database from NYSDMV to NYSDOT.
 - Plan to extend application access to MPOs and local government users.
 - Hardware on line, database moved; development underway on Query Reports Analysis module.
 - Mapping is not part of ALIS, maintained separately (Office of Cyber Security w/ NavTEQ); coordinate-based.
 - QRA development being done in house with some consultant support. QRA release Sept 2012. Silverlight-based application.
 - Next: Crash location coding with DMV interface with DOT. Reviewed coding procedure. DOT not entirely satisfied with DMV coding; working on upgrade for DMV application. Quackenbush: Will MPOs have access to DOT editing module?
Hunt: Will look into that
Quackenbush: Quality of point locations important to MPOs for safety analysis.
Quackenbush: Will MPOs gain direct online access to MV-104?
Hunt: This is pending. Also, there will be a period of time (6 months?) where QRA is operating but not with most recent data because of resource limitations. Subsequent enhancement.
Gayle, Lasalle: The NYSAMPO Safety Working Group has been working with Andrew Sattinger on the ALIS upgrade, believe CDTC will pilot MV-104 access.
- Framework Portable Status [Hunt]
 - Last FP update sent Sept 2010. Owe MPOs a new FP, but nothing has changed in structure, just waiting for new data (streets, RRs).
Quackenbush: How long from when data is submitted to show up in system?
Hunt: Office of Cyber Security data maintenance contract with NavTEQ (Cheryl Benjamin) Edit sources from NYSDOT (on system), counties (off-system), NavTEQ; sent in through map maintenance module 4-6 months.

- NYSDOT would like to download every 6 months, would like to get back to quarterly to update FP. Planning to rebuild dataset, would like to rebuild base map cache and network dataset for next update.
- Deshaies uses street directory, will sent out examples.
- Hunt: Is download a problem (5GB)? MPOs can accommodate file size. Often tag with date. Is it safe to delete/replace? Yes.
- TIP Data Coordination [Hunt]
 - Increased emphasis on capital project reporting from Governors office; website stood up quickly for public view.
 - Will expand web page to include project performance metrics (initial 25 projects over \$50M). Map interface, cost/schedule. Last week expanded to all active and recently completed projects, but may not include locally administered Federal Aid projects.
 - Next phase to include dashboarding.
 - GIS layers from PSS, updated nightly. Geodatabase with linear reference for highways, point reference for bridges, unknown for block projects, local projects.

Hunt: How often do MPOs need updates on capital projects? Responses indicated having access to PSS updates would be useful.

Gayle: MPOs and NYSDOT have to use eSTIP, but Regions rely on PSS.
- RIS [Hunt]
 - MPOs up to date (June 2011). Over next few weeks update milepoint data. Final 2011 when HPMS done. Should not change from here out.
 - Tortora: asked about directionality on divided highways.
 - Hunt: RIS IT project ended at end of 2011 because of budget hit. Reverse direction – effort to pursue through app maintenance after closeout of project.
 - Kevin working on ESRI Roads and Highways product to unify linear referencing system with Cyber Security roadway data; then integrate with RIS, ALIS, asset management. ESRI will help with implementation. Pending NYS sole source designation. Long term vision is that there is a single GIS based system for all applications.
- GIS Mapping [Hunt]
 - State and FAS milepoint system down to correction work on ramps, etc. Highway Data Services Bureau has staff working full time on local system; NYC focus and pretty much done. Good correlation between GIS and RIS in general.
 - Functional Class viewer tied to RIS; not great level of tolerance.

Gayle: FHWA is updating functional class guidance
- MPO ESRI licensing [Hunt]
 - In last year of 3 year agreement with ESRI. Will be negotiating later this year; presume 3 year term again. Possible challenge as a result of Statewide sourcing initiative. If MPOs want additional products, notify Kevin.
 - Deshaies: How are others doing on upgrade to ARC 10?
 - Responses: mostly waiting, cautious.
 - Quackenbush: not as seamless as it seems, can't use new databases in older versions; may not marry to 3rd party software.

NYSDOT Regional Office GIS support [Quackenbush]

Observation that Regions are less able to provide GIS support, Reg 2 has no GIS Coordinator.

Responses: MPOs do not do a lot of GIS work with Regions. Historically Region had been interface between MPOs and MO, but now communication is more direct.

Hunt: The expectation is that this is how data will flow, but would like to reconnect with Regions (GIS coordinators now moving into IT to mirror MO). Try to keep a named GIS Coordinator in each Region, but not full time responsibility.

Working on setting up a meeting of GIS Coordinators as part of Highway Data Workshop. Extra day at end; MPOs will be invited.

Traffic Count Viewer [Burke]

- All data current as off 2010.
- Traffic Data Bureau policy is to show published data, so always last year's data. There were staff transitions, and Burke cleaning up spatial data.
- In future years should have AADTs by Aug-Sept; and for ramps.

REQUEST: Send ramp volumes older than 2009 since NYSDOT has no historic ramp volume data.

Quackenbush: Can MPO access more recent data, if they need it for a project?

Burke: NYSDOT Regions can provide access to P: drive with recent counts. Shape files can be opened directly from ARCMAP; hyperlink field.

Perry: Can NYSDOT provide a link from ECTC site to Traffic Count Viewer at a zoom extent for Chemung County only in a separate window that comes up? Embed the viewer.

Deshaies: Asked about Count station numbers sometimes changing geographic locations.

Pavement scoring

Quackenbush: HOCTS scores non-State FA system, uses proprietary data set; use laptop/GPS with ARCMAP to change attributes. Data quality drives local decision making on paving programs.

SMTC: City and County do their own. Can be a conflict in data, results.

Quackenbush: In Utica, MPO seen as unbiased source for pavement data.

CDTC: Do their own

A/GFTC: Not automated

Hunt: Are MPOs using NYSDOT Streets File? Responses indicated usually not, discussion of segmentation.

Hunt: Think about using ESRI Roads and Highways as a foundation, especially for dynamic segmentation.

County Traffic counter initiative

Quackenbush: HOCTS has taken part for five years; getting counts done that NYSDOT can't do. NYSDOT provides equipment (tube counters) and software, MPO deploys. Provides data for everywhere that is important.

Gayle: Noted BMTS purchased JAMAR counters, must rely on local DPW personnel to put them out.

GIS and SYNCHRO use at public meetings

Quackenbush: Discussed how HOCTS used this at public meetings to depict project alternatives for pavement marking changes. Citizens liked SYNCHRO model that depict actual counts with proposed changes.

GIS Work Group goals

Gayle: Provided background on Working Group Strategic Planning event, April 20 in Binghamton.

Quackenbush: Important to ratify Working Group goals, which had been previously circulated.

Group responses:

Goal 1 – no change

Goal 2 – Perry proposes to broaden to include asset management; agreed

Goal 3 – Deshaies asked if working group roster could be emailed out; Gayle will do.

Goal 4 – Mance proposes to change language to include that data flow is to/from; agreed [Deshaies asked about being notified about projects in process. Burke responded that they do a monthly update internally; look to provide to MPOs]

Goal 5 – no change

Goal 6 – no change [Gayle noted that NYSAMPO had restored the training budget, would be receptive to requests. Mance: this is new, would attend any training. Quackenbush: course on signal timing to better understand SYNCHRO.

Future meetings

Agree to meet twice a year. Quackenbush will send out Doodle poll to gauge timing of fall meeting.