

National Speed Data Workshop

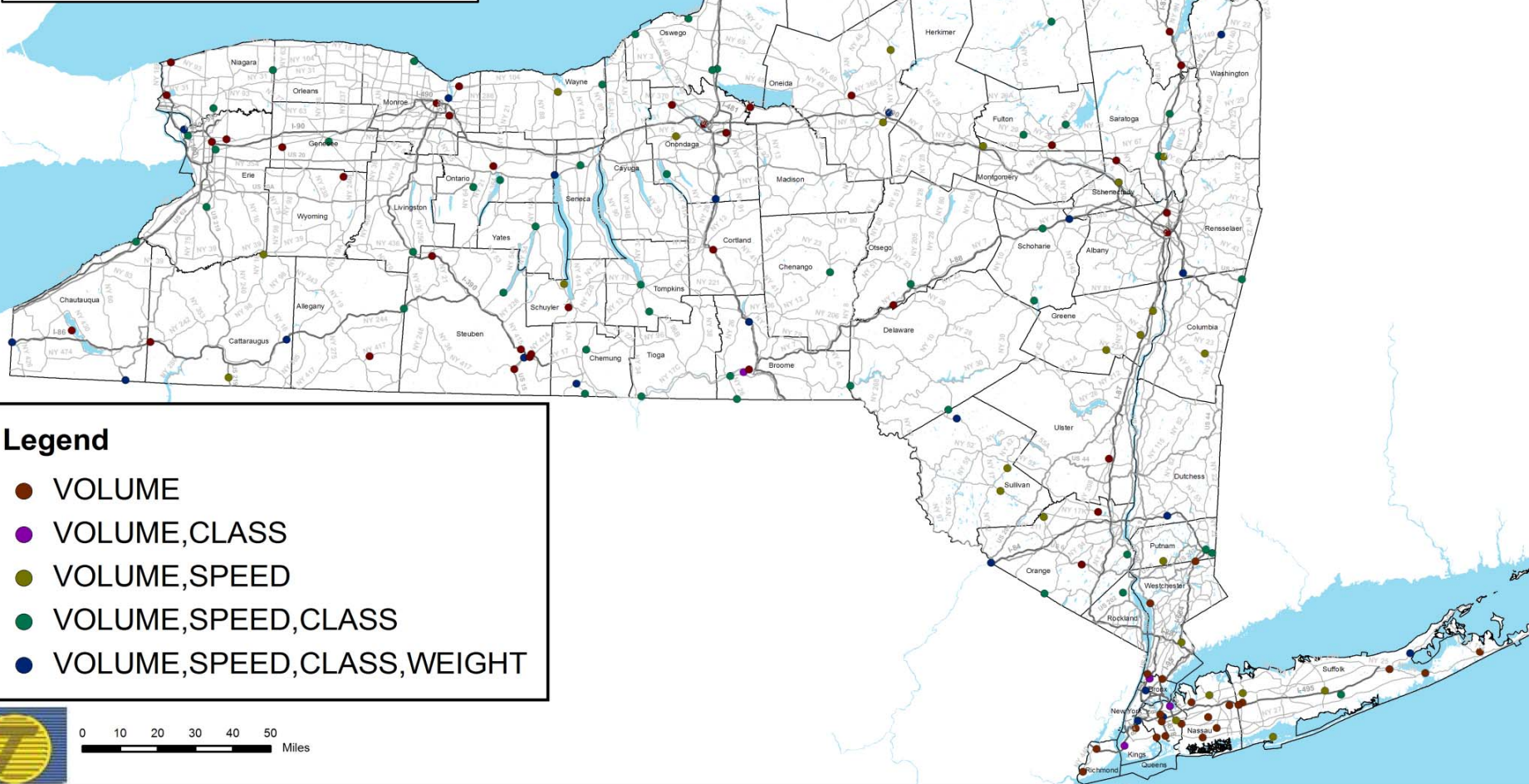
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of Transportation

Overview – NY's Continuous Count System

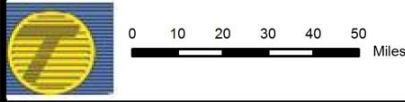
Continuous Count System

Permanent Sites- 176
Volume- 50
Volume,Class- 10
Volume,Speed- 40
Volume,Class,Speed- 54
WIM- 22

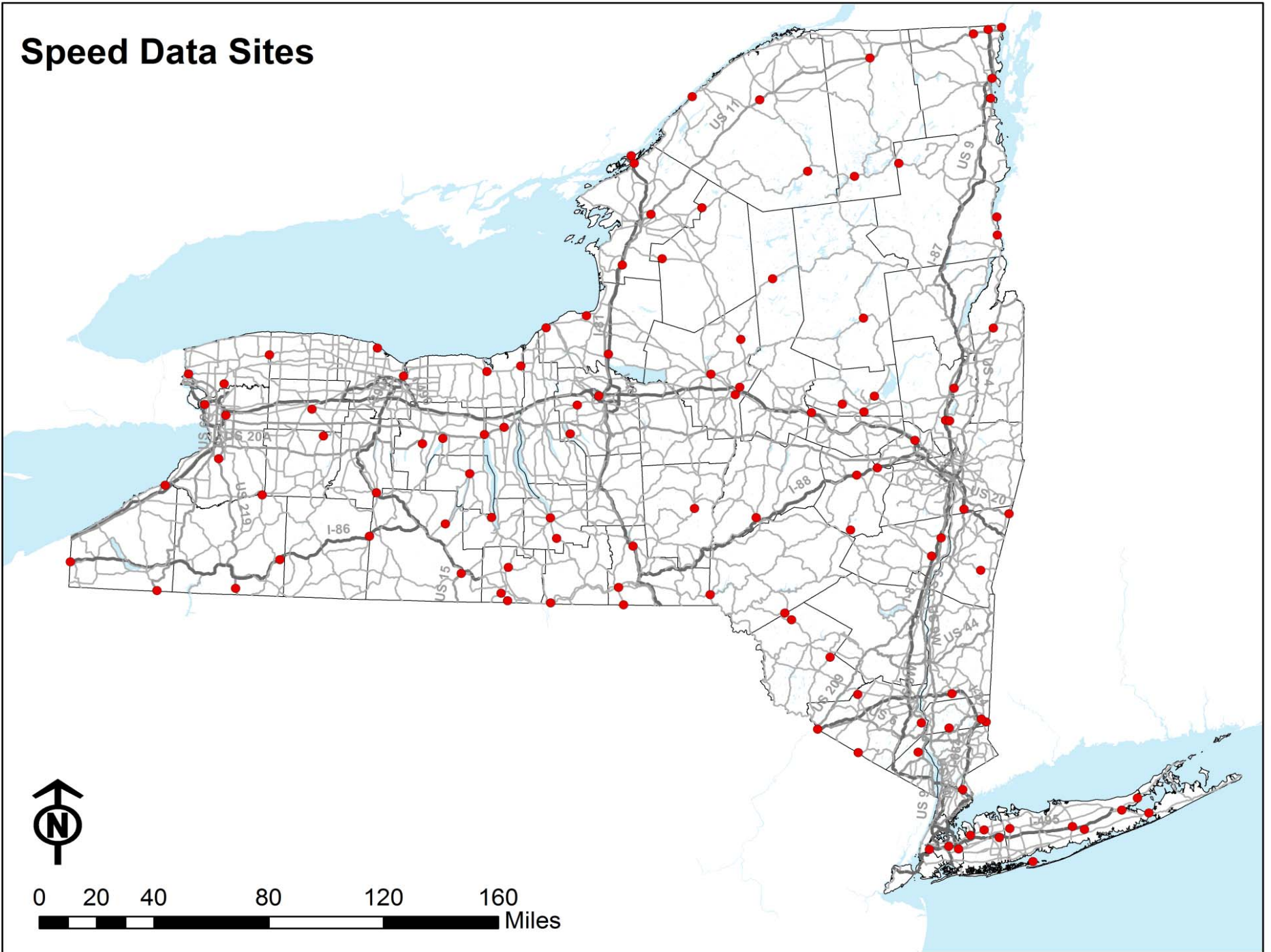


Legend

- VOLUME
- VOLUME,CLASS
- VOLUME,SPEED
- VOLUME,SPEED,CLASS
- VOLUME,SPEED,CLASS,WEIGHT



Speed Data Sites





WIM site on Cross Bronx Expy near Bronx River Pkwy
160,000 AADT with 12,000 trucks

New Speed Binning Scheme

- » New York implemented FHWA's recommendations following the Speed Data Summit in Tampa

FHWA's Speed Bin Scheme

- ▶ CC speed sites have been set up to collect data using 15 bins
 - 0.0– 20.0,
 - 20.1–25.0
 - 80.1–85.0,
 - 85.1–115.0
- ▶ Why 15 Speed Bins?
 - Peek–241 Counters limited to 15 speed bins
 - Scheme works for all our SC Contractor's ATRs
 - Desire same bin scheme for SC and CC data
 - SC Contractors changing over to 15 bin scheme


Other Sources of Traffic Data

- »» Where else does New York get Traffic Data?

Collecting Data from Counties – County Counter Program

- ▶ Partnership between the DOT and counties
- ▶ DOT provides counters and training
- ▶ Counties coordinate count schedule w/ RTCC who provides schedule to DOT
- ▶ Counts are taken by the counties
- ▶ Raw count data processed by counties using TCE software provided by DOT
- ▶ Processed count data submitted to the RTCC who performs QC on the traffic count data and submits to DOT for entry into HDMS

Collecting Data from MPO's

- ▶ MPO's coordinate count schedule w/ RTCC who provides schedule to DOT
 - ▶ Counts are taken by count contractors
 - ▶ Raw count data processed by MPO's using TCE software provided by DOT
 - ▶ Processed count data submitted to the RTCC who performs QC on the traffic count data and submits to DOT for entry into HDMS
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2009 Short Count Summary

- ▶ Processed 12,000 traffic count stations
- ▶ 4,000 stations include speed and class
- ▶ County Program–
 - 1,700 volume counts/stations
 - 850 stations include speed and class
- ▶ MPO Program–
 - 700 volume counts/stations
 - 350 stations include speed and class

NYSDOT Speed QC Checks

- ▶ General Speed QC Checks–TCE Flags:
 - Placement/number of vehicles within bins is not reasonable for the speed limit
 - Directional split is not reasonable
 - Array of vehicles does not agree with the volume counts
 - Typically, if volume and class are good, speed is also good
 - If speed is not acceptable, typically confirms a questionable volume/class count is also bad

Storing Speed Data

- ▶ NY Method of Data Storage
 - Limitations within our current HDMS database
 - Processing software merges 15 bin counts into the appropriate 13 bins
 - Raw data collected and stored using 15 bins
 - Once TRADAS is implemented data will be reprocessed and stored using 15 bins

Reporting Speed Data

- ▶ NY Method of Data Reporting
 - Collect CC and SC data by lane
 - Typically report summary data by direction
 - Current reports summarize into 13 bins
 - NY has the option to report data by lane
 - Standard speed reports out of TCE
 - TRADAS speed reports – including custom reports

Speed Data Requests

- ▶ Recently received a request for speed data at VMS sites
 - perception that people slow down to read VMS
 - Will require *special* counts

Discussion

- ▶ No problem collecting, processing, storing, or reporting speed data using current system
 - Collecting – Contractors paid for “good” counts
 - Processing – TCE
 - Storing and reporting – implementing TRADAS
- ▶ Providing speed data to FHWA
 - TMAS

Questions?

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