

TRANSCOM

IBTTA ORGANIZATION MANAGEMENT WORKSHOP

April 11, 2011

Regional Integration

- One regional economy, transportation system, and customer base
- Scale economies in ITS by integrating information among modes & agencies
- Provides essential elements for regional coordination & decision making:
 - accurate data
 - strong working relationships

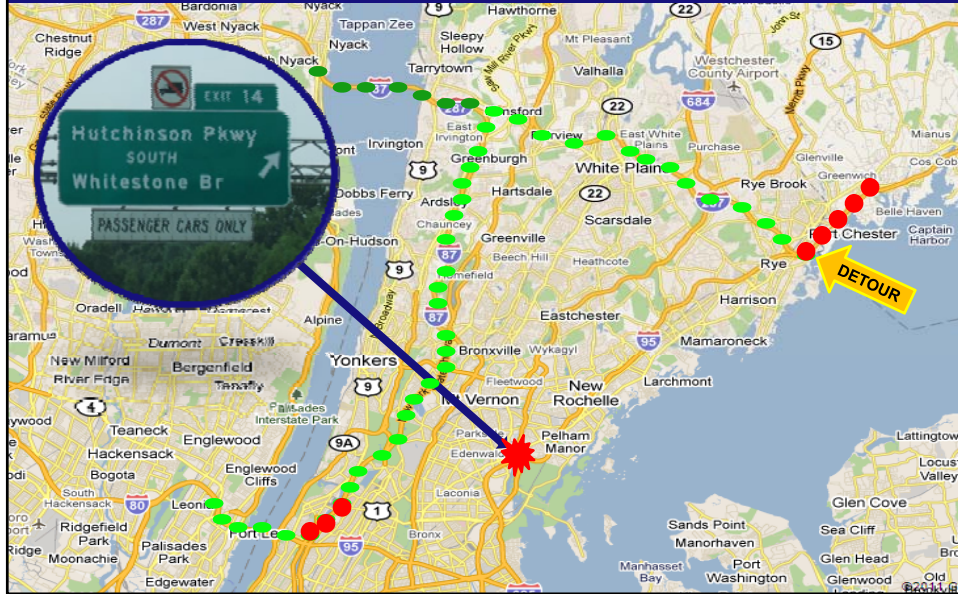
TRANSCOM MEMBERS

Connecticut DOT
Metropolitan Transportation Authority
MTA Bridges & Tunnels
MTA New York City Transit
New Jersey DOT
New Jersey State Police
New Jersey Transit
New Jersey Turnpike Authority
New York City DOT
New York City Police
New York State Bridge Authority
New York State DOT
New York State Police
New York State Thruway Authority
Port Authority of NY&NJ
Port Authority Trans Hudson (PATH)
FHWA and Over 100 Affiliated Agencies

Organizational History

- **Developed as Administrative Unit of the Port Authority of NY & NJ**
- **Provides Cooperative Mechanism for:**
 - **Regional Incident Management**
 - **Regional Construction Coordination**
 - **Regional Implementation of Technology**
- **1999: Became 501(c)3 Non-Profit (Direction by Agencies Continued)**
- **Operating Funding: Member Agencies**
- **Capital Funding: FHWA**

**NEW ENGLAND THRUWAY (NET) BRONX, NY
OVERTURNED TOUR BUS , March 12, 2011
SB CLOSED 12 HRS; NB 1 LANE OPEN 2 HRS**



Notifications – NET

- MTA B&T Command Center
- NYPD Traffic Management Center
- NYC DOT
- NYC Office of Emergency Management
- NYSDOT Statewide Transportation Information Coordination Center
- NY State DOT Region 10 (INFORM-LI)
- NY State DOT Region 8 (Hudson Valley)
- Connecticut DOT (Bridgeport)
- Connecticut DOT (Newington)
- Port Authority GW Bridge
- Newburgh Beacon Bridge
- NJ DOT STMC
- NJ Turnpike Authority
- NJ Turnpike Authority (GSP Division)
- Port Authority JFK International Airport
- Port Authority LaGuardia Airport
- Westchester County Airport
- MTA Metro North RR
- Amtrak
- MTA NYC Transit Bus
- Port Authority Bus Terminal
- Westchester Bee Line Bus
- Greyhound Bus
- Peter Pan Bus
- Bolt Bus
- Westchester County PD
- Larchmont PD
- Mamaroneck PD
- Mt. Vernon PD
- New Rochelle PD
- Port Chester PD
- Rye PD
- Pelham & Pelham Manor PD
- Rhode Island DOT
- Massachusetts Turnpike Authority
- Massachusetts Highway Dept.
- SmartRoutes (Boston)
- Metro Traffic NY
- Clear Channel Traffic
- Traffic.com
- WTIC (Hartford), WEBC (Bridgeport)
- Foxwoods/Mohegan Sun

Notifications – Highway

- MTA B&T Command Center
- NYPD Traffic Management Center
- NYC DOT
- NYC Office of Emergency Management
- NYSDOT Statewide Transportation Information Coordination Center
- NY State DOT Region 10 (INFORM-LI)
- NY State DOT Region 8 (Hudson Valley)
- Connecticut DOT (Bridgeport)
- Connecticut DOT (Newington)
- Port Authority GW Bridge
- Newburgh Beacon Bridge
- NJ DOT STMC
- NJ Turnpike Authority
- NJ Turnpike Authority (GSP Division)
- Port Authority JFK International Airport
- Port Authority LaGuardia Airport
- Westchester County Airport
- MTA Metro North RR
- Amtrak
- MTA NYC Transit Bus
- Port Authority Bus Terminal
- Westchester Bee Line Bus
- Greyhound Bus
- Peter Pan Bus
- Bolt Bus
- Westchester County PD
- Larchmont PD
- Mamaroneck PD
- Mt. Vernon PD
- New Rochelle PD
- Port Chester PD
- Rye PD
- Pelham & Pelham Manor PD
- Rhode Island DOT
- Massachusetts Turnpike Authority
- Massachusetts Highway Dept.
- SmartRoutes (Boston)
- Metro Traffic NY
- Clear Channel Traffic
- Traffic.com
- WTIC (Hartford), WEBC (Bridgeport)
- Foxwoods/Mohegan Sun

Notifications – Transit

- MTA B&T Command Center
- NYPD Traffic Management Center
- NYC DOT
- NYC Office of Emergency Management
- NYSDOT Statewide Transportation Information Coordination Center
- NY State DOT Region 10 (INFORM-LI)
- NY State DOT Region 8 (Hudson Valley)
- Connecticut DOT (Bridgeport)
- Connecticut DOT (Newington)
- Port Authority GW Bridge
- Newburgh Beacon Bridge
- NJ DOT STMC
- NJ Turnpike Authority
- NJ Turnpike Authority (GSP Division)
- Port Authority JFK International Airport
- Port Authority LaGuardia Airport
- Westchester County Airport
- MTA Metro North RR
- Amtrak
- MTA NYC Transit Bus
- Port Authority Bus Terminal
- Westchester Bee Line Bus
- Greyhound Bus
- Peter Pan Bus
- Bolt Bus
- Westchester County PD
- Larchmont PD
- Mamaroneck PD
- Mt. Vernon PD
- New Rochelle PD
- Port Chester PD
- Rye PD
- Pelham & Pelham Manor PD
- Rhode Island DOT
- Massachusetts Turnpike Authority
- Massachusetts Highway Dept.
- SmartRoutes (Boston)
- Metro Traffic NY
- Clear Channel Traffic
- Traffic.com
- WTIC (Hartford), WEBC (Bridgeport)
- Foxwoods/Mohegan Sun

Notifications – Police

- MTA B&T Command Center
- NYPD Traffic Management Center
- NYC DOT
- NYC Office of Emergency Management
- NYSDOT Statewide Transportation Information Coordination Center
- NY State DOT Region 10 (INFORM-LI)
- NY State DOT Region 8 (Hudson Valley)
- Connecticut DOT (Bridgeport)
- Connecticut DOT (Newington)
- Port Authority GW Bridge
- Newburgh Beacon Bridge
- NJ DOT STMC
- NJ Turnpike Authority
- NJ Turnpike Authority (GSP Division)
- Port Authority JFK International Airport
- Port Authority LaGuardia Airport
- Westchester County Airport
- MTA Metro North RR
- Amtrak
- MTA NYC Transit Bus
- Port Authority Bus Terminal
- Westchester Bee Line Bus
- Greyhound Bus
- Peter Pan Bus
- Bolt Bus
- Westchester County PD
- Larchmont PD
- Mamaroneck PD
- Mt. Vernon PD
- New Rochelle PD
- Port Chester PD
- Rye PD
- Pelham & Pelham Manor PD
- Rhode Island DOT
- Massachusetts Turnpike Authority
- Massachusetts Highway Dept.
- SmartRoutes (Boston)
- Metro Traffic NY
- Clear Channel Traffic
- Traffic.com
- WTIC (Hartford), WEBE (Bridgeport)
- Foxwoods/Mohegan Sun

Notifications – New England

- MTA B&T Command Center
- NYPD Traffic Management Center
- NYC DOT
- NYC Office of Emergency Management
- NYSDOT Statewide Transportation Information Coordination Center
- NY State DOT Region 10 (INFORM-LI)
- NY State DOT Region 8 (Hudson Valley)
- Connecticut DOT (Bridgeport)
- Connecticut DOT (Newington)
- Port Authority GW Bridge
- Newburgh Beacon Bridge
- NJ DOT STMC
- NJ Turnpike Authority
- NJ Turnpike Authority (GSP Division)
- Port Authority JFK International Airport
- Port Authority LaGuardia Airport
- Westchester County Airport
- MTA Metro North RR
- Amtrak
- MTA NYC Transit Bus
- Port Authority Bus Terminal
- Westchester Bee Line Bus
- Greyhound Bus
- Peter Pan Bus
- Bolt Bus
- Westchester County PD
- Larchmont PD
- Mamaroneck PD
- Mt. Vernon PD
- New Rochelle PD
- Port Chester PD
- Rye PD
- Pelham & Pelham Manor PD
- Rhode Island DOT
- Massachusetts Turnpike Authority
- Massachusetts Highway Dept.
- SmartRoutes (Boston)
- Metro Traffic NY
- Clear Channel Traffic
- Traffic.com
- WTIC (Hartford), WEBE (Bridgeport)
- Foxwoods/Mohegan Sun

Notifications – Media

- MTA B&T Command Center
- NYPD Traffic Management Center
- NYC DOT
- NYC Office of Emergency Management
- NYSDOT Statewide Transportation Information Coordination Center
- NY State DOT Region 10 (INFORM-LI)
- NY State DOT Region 8 (Hudson Valley)
- Connecticut DOT (Bridgeport)
- Connecticut DOT (Newington)
- Port Authority GW Bridge
- Newburgh Beacon Bridge
- NJ DOT STMC
- NJ Turnpike Authority
- NJ Turnpike Authority (GSP Division)
- Port Authority JFK International Airport
- Port Authority LaGuardia Airport
- Westchester County Airport
- MTA Metro North RR
- Amtrak
- MTA NYC Transit Bus
- Port Authority Bus Terminal
- Westchester Bee Line Bus
- Greyhound Bus
- Peter Pan Bus
- Bolt Bus
- Westchester County PD
- Larchmont PD
- Mamaroneck PD
- Mt. Vernon PD
- New Rochelle PD
- Port Chester PD
- Rye PD
- Pelham & Pelham Manor PD
- Rhode Island DOT
- Massachusetts Turnpike Authority
- Massachusetts Highway Dept.
- [SmartRoutes \(Boston\)](#)
- [Metro Traffic NY](#)
- [Clear Channel Traffic](#)
- [Traffic.com](#)
- [WTIC \(Hartford\)](#), [WEBE \(Bridgeport\)](#)
- Foxwoods/Mohegan Sun

Information Resources Requested South of NET Incident

- | | |
|--|---------|
| • NJ Turnpike Authority | VMS/HAR |
| • NJ Turnpike Authority (GSP Division) | VMS |
| • NJ DOT STMC | VMS/HAR |
| • Port Authority GW Bridge | VMS |
| • MTA RFK Bridge | VMS |
| • MTA Throgs Neck Bridge | VMS |
| • MTA Bronx Whitestone Bridge | VMS |
| • NYC DOT | VMS |
| • NY State DOT Region 10 (INFORM –LI) | VMS/HAR |
| • Port Authority JFK International Airport | HAR |
| • Port Authority LaGuardia Airport | HAR |

Information Resources Requested North of NET Incident

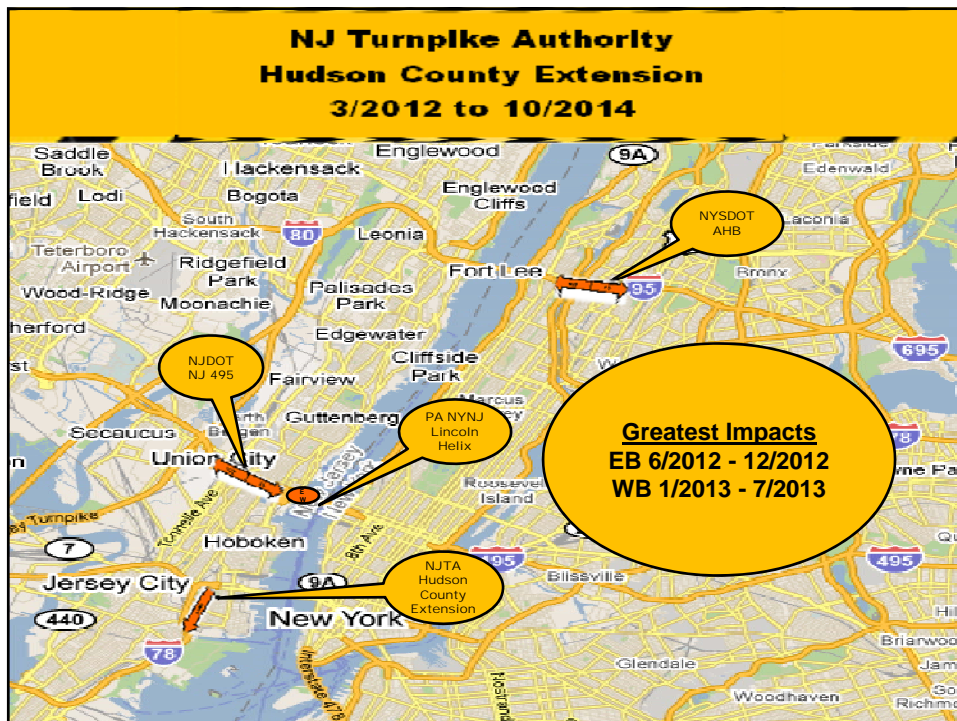
• NY State DOT Region 8 (Hudson Valley)	VMS
• Connecticut DOT (Bridgeport)	VMS/HAR
• Connecticut DOT (Newington)	VMS/HAR
• Massachusetts Turnpike Authority	HAR
• Massachusetts Highway Dept.	VMS/HAR
• Rhode Island DOT	VMS/HAR
• MTA Metro North RR	Announcements
• Amtrak	Announcements
• Westchester County Airport	Announcements
• Foxwoods & Mohegan Sun Casinos	Announcements

Systems Used - NET

- TRANSMIT Travel Times, Including:
 - Diversion Route to GWB - I287/I87/I95:
 - 60min/actual vs. 27 min/historic (max. @ 3pm)
- Video Sharing Network
 - Conditions at Diversion Point
 - Extent of Back-ups into CT
 - Conditions along Diversion Route
- Written Advisories
 - Regional Traffic Condition Reports
 - Notifications to Trucking Associations

Construction Coordination

- Pre-Construction Season Meetings
 - Agencies provide data base in advance
 - Includes transit and police members
 - Potential conflicts identified
- On going coordination/mitigation
 - pre weekend conference calls
 - project specific task forces
 - emergency construction
- Coordination during major incidents



Original Business Model – Goals

- Market exists for TRANSCOM Value
Added Regional data base:
 - Multi-agency, multi-state, multi-modal
 - Incidents, construction, special events
 - Travel times
- As part of transition to private non profit:
 - Revenue from sale of information
 - Revenue sharing from partnerships
 - TRANSCOM provides data
 - Private partner provides capital & marketing

Original Business Model - Results

- Demand for the Data was High
- Revenue was Limited
- Private Companies' Business Model:
 - Government Data is Free
 - Member Agencies Provide It for Free
- Non-Profits had Similar Expectation
- Some Customers were Obtained:
 - Revenues were Significant, but not Enough to Become Self-Sustaining

Original Business Model – Issues

- Revenues Were Obtained
- Public Benefits of Data Not Maximized
- What is Best Model of Public Service?
 - Offset the cost of government?
 - Provide maximum access to benefit travelers?
- Created Conflict with Potential Users:
 - TRANSCOM Wanted Payment for Data
 - Other Agencies Provided it For Free

TRANSCOM



DISNEY'S A CHRISTMAS CAROL. Jim Carrey stars as the miserly Ebenezer Scrooge in the groundbreaking 3D motion picture event DISNEY'S A CHRISTMAS CAROL. Carrey voices several roles, including Scrooge, old and young, as well as the Ghosts of Christmas Past, Present and Yet to Come. DISNEY'S A CHRISTMAS CAROL, opens nationwide Nov. 6, 2009. ©2009 ImagineMovers Digital LLC. All Rights Reserved.

EVERYONE ELSE

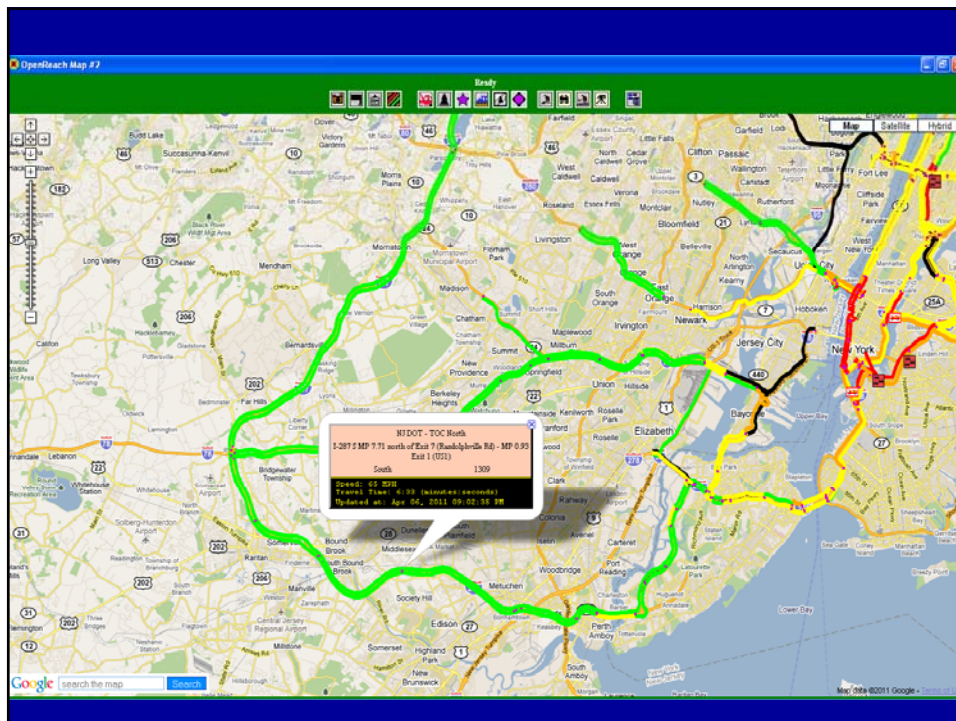


New Business Model

- Provide Data for Free
 - Encourage Wide Distribution/Innovative Use
- Minimal Restrictions on Usage:
 - Usage Agreements Limited to Liability
- Make Data Available to:
 - National Private Information Providers
 - Mobile App Providers
 - Non-Profit & Government
 - Academic Institutions; Planning Agencies
- Provide Travel time and Event Data

TRANSCOM OpenReach System

- Serves as TRANSCOM's Operational Data Base
- Source of Free Data Feeds
 - Link (travel times)
 - Event (incidents, construction, special events)
- Multi-Modal, Regional Inter-Agency Network
- Links Dozens of Transportation & Police Operations Centers
- Serves as Data Base for 511
- [Live Demo at Communications Open House](#)



Link Viewer

Name	Speed	Travel Time	Delay	Historical Speed	Historical Travel...	Data Acquir...	Database Status	Heading	Starting Facility	Starting Latitude	Starting Longitude	External ID
195 N Jones Road Exp Lrs - GWB	44.1	1:56		42.9	2:004(05/2011 07...	In Service	East	I-95		40.86666	-73.97629	4520300
Rt 4 E - GWB E U/Lav Plaza	42.3	1:58		28.8	2:444(02/2011 07...	In Service	East	Rt 4		40.86668	-73.97414	4520368
GWB E U/Lav Plaza - CRE E U/Lav	49.7	2:08		49.1	2:1204(02/2011 07...	In Service	East	George Washn...		40.85349	-73.96986	4520298
GWB E U/Lav Plaza - HHP S U/Lav	49.1	1:43		46	1:4904(05/2011 07...	In Service	East	George Washn...		40.85376	-73.96679	4520297
PPP Hdx S - HHP S U/Lav Exit Ramp	42.3	2:19		41	2:2004(05/2011 07...	In Service	South	Palisades Inter...		40.86033	-73.95911	4520292
GWB E U/Lav Plaza - HHP S U/Lav	44.7	2:00	0:05	47.2	1:5504(05/2011 07...	In Service	East	George Washn...		40.85376	-73.96679	4520291
CRE W U/Lav Anderson Ave - HHP	26.1	1:59	0:17	20.8	1:6204(05/2011 07...	In Service	West	Cross Bronx Exp		40.84953	-73.92223	4520320
PPP Hdx S - CRE E U/Lav Amster	47.8	2:25	0:03	49.1	2:2204(05/2011 07...	In Service	South	Palisades Inter...		40.86033	-73.95911	4520288
HHP N to NYST N Exit 6 Via Cross	49.1	4:17	0:09	49.7	4:0804(05/2011 07...	In Service	North	Hutchinson Rv		40.92333	-73.81877	4575300
HHP S to NYST S Exit 2 Via Cross	47.2	6:16		44.1	6:1604(05/2011 07...	In Service	South	Hutchinson Rv		40.93763	-73.80782	4575301
40 N Jackson Ave (HP 4 - 1) to S	13	0:38	0:04	16	4:044(05/2011 07...	In Service	North	149th - 145th Sta		40.99191	-73.82091	4526294

Filters: Limited to: North South East West North & South East & West North & East South & East North & West South & West

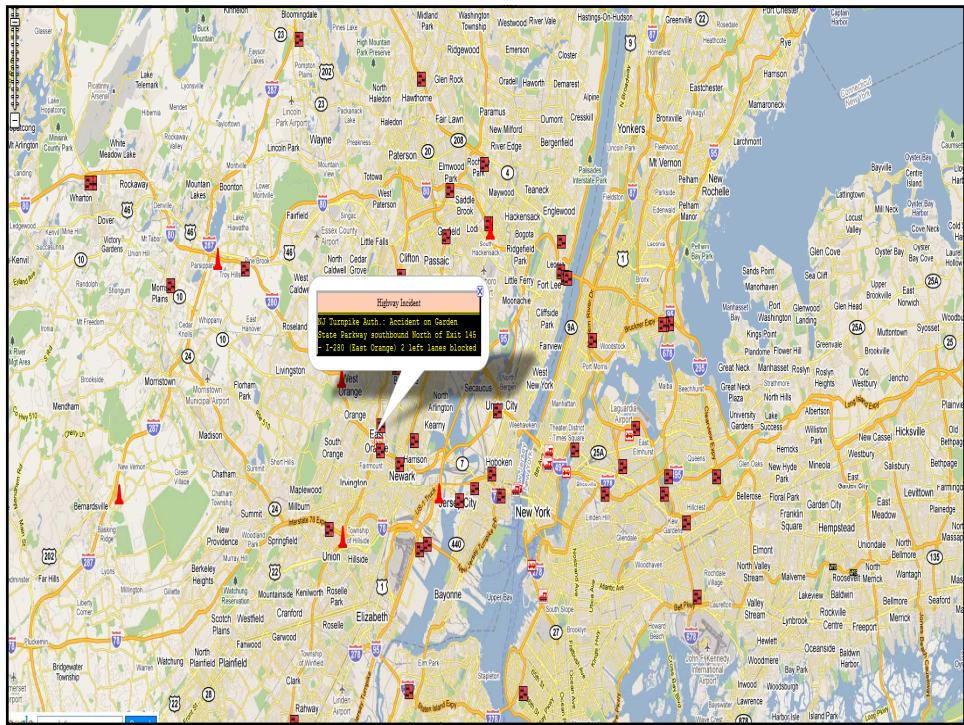
Facilities: Restrict to: Begin 12th Avenue (N) Ignore End End 12th Avenue (N)

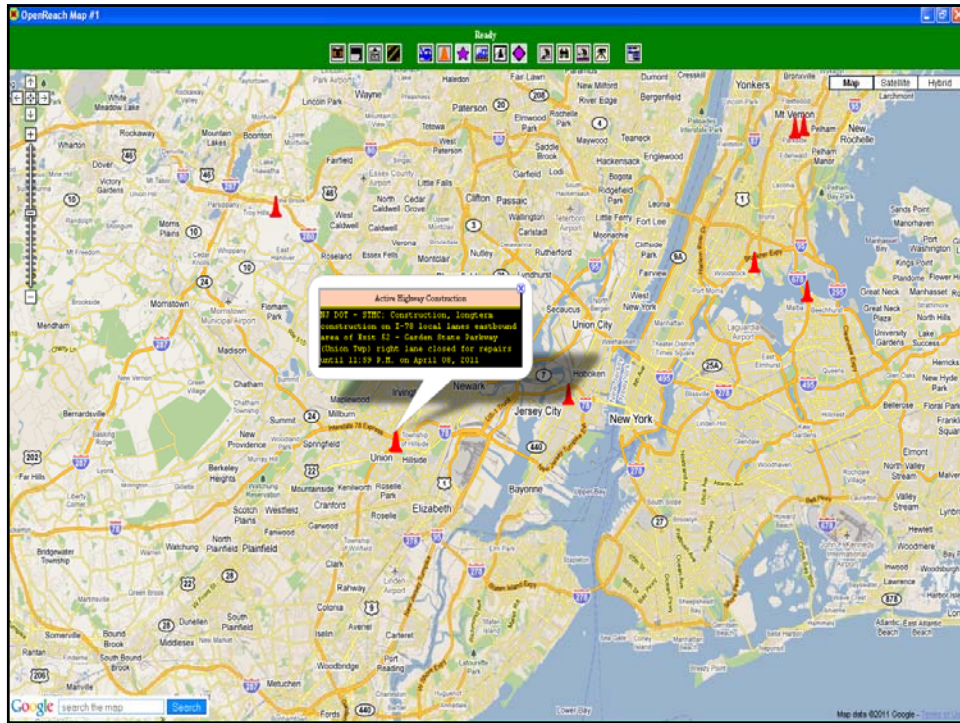
View: Limited to: Set: All Travel Time via SB T-87(N) State Thru... All In Service Only Not In Service

Tools: Edit Link Sets, Localize On Map, Text Audible Alarm

Settings: Speed: MPH Time: Seconds Mile Data Alerts MPH Expanded Age Threshold (minutes)

Summary: Number of Links: 641, Speed Average: 55.3, Number with Bad Data: 176, Minimum: 3.7, Total Travel Time: 36:56:24, Maximum: 73.9





Facility	Type	Last Change	Impact	Details	State, County	MI
I-280	Accident	04/05/2011 07:06 ...	Severe	NY DOT - STMC: Accident on I-280 westbound West of Exit 12 - Garden State Parkway (East Orange) 3 left lanes closed	NJ, Essex	11.9
Bronx River Parkway	Accident with Property Damage	04/05/2011 07:06 ...	Severe	NYS DOT - Region B: Accident with Property Damage on Bronx River Parkway southbound north of City of Yonkers/City of Mount Vernon Line (Yonkers) right shoulder of 3 lanes blocked	NY, Westchester	
Atlantic City Expressway	Construction: bridge painting	04/05/2011 07:05 ...	Severe	South Jersey Transp. Auth.: Construction, bridge painting on Atlantic City Expressway eastbound between Exit 12 - US 40 - Wrangleboro Rd (Hamilton Twp) and West of Exit 12 - US 40 - Wrangleboro Rd (Hamilton Twp) left lane closed until 10:00 P.M.	NJ, Atlantic	11.5
I-478	Accident	04/05/2011 07:03 ...	Severe	NYS DOT - Region 11: Accident on I-478 northbound approaching Linden Boulevard (New York) right lane blocked	NY, Queens	65.5
New Jersey Turnpike	Roadwork: roadwork	04/05/2011 07:03 ...	Severe	NO Turnpike Auth.: Roadwork, roadwork on New Jersey Turnpike northbound South of Interchange 8 - NO 33 (East Windsor Twp) to North of Interchange 8 - NO 33 (East Windsor Twp) right lane closed to traffic until 6:00 A.M.	NJ, Mercer	65.5
Prudential Center - RICO	Special event: basketball game	04/05/2011 07:00 ...	Severe	NO Nets: Special event, basketball game on Prudential Center - RICO (Newark) until 10:00 P.M. NO Nets vs. Minnesota Timberwolves	NJ, Essex	
I-495	Accident	04/05/2011 06:51 ...	Severe	NYS DOT - Region 11: Accident on I-495 eastbound at 48th Street; Ramp (New York) left and center lanes blocked	NY, Queens	
Garden State Parkway	Roadwork: roadwork	04/05/2011 06:49 ...	Severe	NO Turnpike Auth.: Roadwork, roadwork on Garden State Parkway northbound between South of Exit 63 - NO 72 East (Stafford Twp) and South of Exit 67 - CR 554 Bay Ave (Barnegat Twp) left lane closed to traffic until 5:00 A.M.	NJ, Ocean	62.0
Lafayette Airport	Weather related	04/05/2011 06:37 ...	Severe	Port Authority NYAD: Weather related on LaGuardia Airport Queens - New York (New York) - expect delays. Please call your airline carrier for specific flight information.	NY, Queens	
John F. Kennedy Intern...	Weather related	04/05/2011 06:34 ...	Severe	Port Authority NYAD: Weather related on John F. Kennedy International Airport Queens - New York (New York) - expect delays. Please call your airline carrier for specific flight information.	NY, Queens	
Newark Liberty Intern...	Weather related	04/05/2011 06:33 ...	Severe	Port Authority NYAD: Weather related on Newark Liberty International Airport Newark - New Jersey (Newark) - expect delays. Please call your airline carrier for specific flight information.	NJ, Essex	0.0
I-280	Accident	04/05/2011 06:27 ...	Severe	NY DOT - STMC: Accident on I-280 eastbound approaching Exit 9 - Pleasant Avenue/CR 660 (West Orange Twp) all lanes closed and detoured.	NJ, Essex	9.6
I-787	Emergency construction	04/05/2011 06:17 ...	Severe	NYS DOT/TMC - Albany: Emergency construction on I-787 both directions ramps to Exit 5 - I-90 (Albany) all lanes blocked and detoured.	NY, Albany	
NY 26	Watermain break	04/05/2011 06:11 ...	Severe	NYS DOT - Region 2: Watermain break on NY 26 both directions area of CR 60, Elmer Hill Road (Lee) all lanes remain closed until further notice.	NY, Oneida	
New Jersey Turnpike	Roadwork: roadwork	04/05/2011 06:03 ...	Severe	NO Turnpike Auth.: Roadwork, roadwork on New Jersey Turnpike northbound North of Interchange 7 - US 206 (Cherterfield Twp) to South of Interchange 7A - I-195 (Hamilton Twp) left lane closed to traffic until 6:00 A.M.	NJ, Burlington	56.3
I-491	Accident	04/05/2011 05:54 ...	Severe	CT DOT/Hewitt/Hwy Oper. Co.: Accident on I-491 northbound between Exit 3 - CT 71 North (Meriden) and Exit 7 - CT 120 (Meriden) right lane remains closed.	CT, New Haven	
Lincoln Tunnel	Delays	04/05/2011 05:24 ...	Severe	Port Authority NYAD: Delays on Lincoln Tunnel eastbound approaching New Jersey Side - Toll Plaza (Weehawken Twp) 40 minute delay.	NY, Hudson	0.0
Brooklyn Battery Tunnel	Special event: operational activity	04/05/2011 05:01 ...	Severe	MTA Bridges & Tunnels: Special event on Brooklyn Battery Tunnel both directions Manhattan/Brooklyn bound (Manhattan/Brooklyn) until 6:00 P.M. two way traffic in east tunnel, drive with caution.	NY, New York Kings	
NY 211	Road collapse	04/05/2011 02:30 ...	Major	NYS DOT - Region B: Road Collapse on NY 211 both directions between Town of Wallkill, Town of Mount Hope Line (Mount Hope) and City of Middletown, Town of Wallkill Line (Middletown) all lanes of 2 lanes remain closed until further notice.	NY, Orange	

TRANSCOM Data Feed

- Presently 63 Users Signed up
 - 40 Private companies
 - 23 Public/Non-profit
 - Government Agencies
 - Planning & Research Organizations
 - Transportation Management Associations
 - Academic Institutions
 - Public Health
- Broad Range of Usages

TRANSCOM Data Feed Usage

- Private Companies
 - Mobile applications for traffic and transit info
 - Integration into current data feeds
 - Logistics/fleet management
 - Corporate Research
 - Truck Clearances
 - Support for Real Estate Sales
 - Support for Public Agency Clients

TRANSCOM Data Feed Usage

- Public/Non-Profit
 - Situational Awareness for Emergency Mgt.
 - Evacuation Planning
 - Vehicle Dispatching/Fleet Management
 - TMA Provision of Commuter Information
 - Integration into Existing Data Bases for Operations and Traveler Information
 - Planning & Research

TRANSCOM Data Feed

- Many Types of Usage Never Envisioned
- Usage is Growing
- Has Leveraged the Creativity of the Private and Public Sectors