

Traffic Sensors Metadata

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What does this data set describe?

Title: New York City Traffic Speed Detectors

Abstract: New York City DOT's traffic speed detector feed is a free service that allows various user groups (i.e. the general public, private sector, commercial vendors, transportation agencies, researchers, media and others) to download traffic speed information on a regular basis to use in their applications and research efforts. This data feed contains 'real-time' traffic information from locations where NYCDOT has installed sensors, mostly on major arterials and highways within the City limits. NYCDOT uses this information for emergency response and management.

Definition of fields

Field Name	Definition
Id	TRANSCOM Link ID
Speed	Average speed a vehicle traveled between end points on the link in the most recent interval
TravelTime	Time the average vehicle took to traverse the link
Status	Artifact – not useful
DataAsOf	Last time data was received from link
linkId	TRANSCOM Link ID (same as ID field)
linkPoints	Sequence of Lat/ Long points, describes locations of the sensor links
EncodedPolyLine	Google compatible polyline from http://code.google.com/apis/maps/documentation/polylineutility.html
EncodedPolyLineLvls	Google compatible poly levels from http://code.google.com/apis/maps/documentation/polylineutility.html
Owner	Owner of the Detector
Transcom_id	Artifact – not useful
Borough	NYC borough (Brooklyn, Bronx, Manhattan, Queens, Staten Island)
LinkName	Description of the link location and end points

How should this data set be cited?

City of New York Department of Transportation

Online Links:

* <http://a841-dotweb01.nyc.gov/datafeeds/>

What geographic area does the data set cover?

The sensors are installed within the New York City limits

Does the data set describe conditions during a particular time period?

The data is updated several times per minute.

What is the general form of this data set?

Text or php files are available.

How does the data set represent geographic features?

This data is in Google compatible polyline from, for more information please see:

<http://code.google.com/apis/maps/documentation/polylineutility.html>.

Who produced the data set?

City of New York Department of Transportation

To whom should users address questions about the data?

New York City Department of Transportation
Traffic Management Center
Deputy Commissioner's Office
New York City Department of Transportation
28-11 Queens Plaza, 8th FL
Long Island City, New York 11101
TMCDOT@dot.nyc.gov

Why was the data set created?

The New York City Traffic Speed Detectors is meant to provide real time traffic speed information supplied by NYCDOT owned sensors to the general public and the developer community for use in application development. This data is also displayed in a web-ready format at <http://nyctmc.org/>.

What similar or related data should the user be aware of?

There is also a data feed for NYCDOT's traffic cameras. Developers wishing to access the cameras via a data feed, must contact the NYCDOT TMC at TMCDOT@dot.nyc.gov and sign a data-sharing agreement. A sample copy is provided here: <http://a841-dotweb01.nyc.gov/datafeeds/>. Other traffic and travel information for the entire state is available via New York State's 511 program, <http://www.511ny.org/>

How reliable are the data; what problems remain in the data set?

linkTimeStamp indicates when data was last received from the sensor. If the date is other than the current date it indicates an error with that sensor and that data should not be used.

Where are the gaps in the data? What is missing?

This data only covers major arterial roadways within the five boroughs. For coverage elsewhere in New York State visit: <http://www.511ny.org/traffic.aspx>.

Are there legal restrictions on access or use of the data?

Access_Constraints:

New York City Traffic Speed Detectors is freely available to the public.

Use_Constraints:

The Department of Transportation makes no representation as to the accuracy of the information or its suitability for any purposes. The Department and the City disclaim any liability for errors that may be contained herein.

Who distributes the data set?

New York City Department of Transportation
55 Water St
New York, NY 10041
USA

What legal disclaimers am I supposed to read?

<http://a841-dotweb01.nyc.gov/datafeeds/Disclaimer.htm>

Who wrote the metadata?

Dates:

Last modified: 20-July-2010

Metadata author:

New York City Department of Transportation
Traffic Management Center
Deputy Commissioner's Office
New York City Department of Transportation
28-11 Queens Plaza, 8th FL
Long Island City, New York 11101
TMCDOT@dot.nyc.gov