

New York State Department of Transportation Roadway Inventory System (RIS) Overview

General Discussion

This data set features a hyperlink to the New York State Department of Transportation's (NYSDOT) Roadway Inventory System (RIS) Viewer web page, which includes a link to an interactive map. The Roadway Inventory System (RIS) Viewer is a geospatially based Geographic Information System (GIS) application for displaying data contained in the roadway inventory database. The interactive map has three viewable data categories or 'layers'. The three layers are: Federal Aid Eligibility of all public roads; Posted Speed Limit; and Annual Average Daily Traffic (AADT). The following is a brief description of each layer.

Federal Aid Eligible Public Roadway System

Federal-Aid Eligible Public Roadway System is a description used for a road based on its functional classification that signifies whether or not it is eligible for Federal Surface Transportation Program (STP) funds, either fully or with some limitations. Federal Aid Eligible includes all public roadways functionally classified as Arterials, Collectors, and some Local Streets & Roads. They are also divided into Urban and Rural based on the density of population from the most recent Census. Federal Highway Aid under the STP can be used on Arterials or Collectors (except Minor Collectors in Rural areas) making these "Federal Aid Eligible" roads.

Non-Federal Aid Eligible State Route

Non-Federal Aid Eligible State Routes are those State Routes not eligible for Federal Aid. The majority of state routes are Federal Aid eligible but there are about 600 miles out of the 17,000 centerline miles that are not.

Additionally, information for a specific roadway segment can be viewed using the interactive map by placing the cursor on that GIS segment and clicking or "tagging" it directly. An information call out box will be displayed which provides various information about that roadway segment. The viewer only allows one data layer to be viewable at one time.

Data Collection Methodology

The data is collected on all federally aid eligible and other roadways within New York State. The data is collected through various means such as stationary traffic counters, temporary traffic counters, highway mileage reporting, roadway inventorying and traffic data reporting.

Statistical and Analytical Issues

The information accessed by the RIS data viewer can be used for several possible analytical purposes including road volumes, speeds and whether or not certain roadways may be eligible for Federal Aid funding. Planners, project developers, financial managers, businesses, the transportation industry and the traveling public in general can use the data to determine certain roadway functionality and other characteristics such as current traffic volumes. The data can influence transportation improvement

planning, design characteristics, possible travel routes, or for identifying possible business needs and locations.

Limitations of Data Use

Every effort is made to ensure the data is the most current, accurate and complete as possible. Some data may have varying reporting frequencies.