



Keeping an up-to-date inventory of local roads:
**The
Local Highway Inventory**

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Local Highway Inventory

A listing of the 96,000 miles of public roadways owned or maintained by local governments (cities, towns, villages) and counties in New York State



Local Highway Inventory

Serves as input to the annual certified public road mileage and the Highway Performance Monitoring System (HPMS)

Used as input to Consolidated Local Street and Highway Improvement Program (CHIPS) funding distribution formulas



Local Highway Inventory

Review and update the process each year at annual NYSDOT Workshop, defining Main Office/Region roles

Print listings for all 1500+ municipalities and counties (approximately 8000 pages)

Distribute to NYSDOT Regions for mailing to all municipalities and counties



**New York State Department of Transportation
Local Roads Listing**

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3/10/17

Municipality: **Village of Westhampton Beach**
Suffolk County

Geocode: 1631
NYS DOT Region: 10

Jurisdiction: **Village**


State DOT ID	County	Road/Street Name	Start of Section	End of Section	Req MP	End MP	Length	DIV Hwy	No. of Lanes	One Way	Pvt Type	Pvt Width	Shldr Width	Med Type	Med Width	Func Class	NIS
255311	SOUTH RD	SCHOOL LA	SCHOOL ST	SCHOOL ST	0.08	0.19	0.11	2			A	10	0	None		19	
255311	SOUTH RD	SCHOOL ST	LIBERTY ST	LIBERTY ST	0.19	0.26	0.07	2			A	10	0	None		19	
255311	SOUTH RD	LIBERTY ST	ONECK LA	ONECK LA	0.26	0.41	0.15	2			A	10	0	None		19	
255311	SOUTH RD	ONECK LA	VILLAGE LINE W	VILLAGE LINE W	0.41	0.54	0.13	2			A	10	0	None		16	
255312	STACY DR	STILLWATERS LA	CUL-DE-SAC	CUL-DE-SAC	0.00	0.23	0.23	2			A	10	0	None		19	
255313	STEVENS LA	LIBRARY AVE	E DIVISION ST	E DIVISION ST	0.00	0.18	0.18	2			A	10	0	None		19	
255313	STEVENS LA	E DIVISION ST	MITCHELL RD	MITCHELL RD	0.18	0.21	0.03	2			A	10	0	None		19	
255313	STEVENS LA	MITCHELL RD	POTUNK LA	POTUNK LA	0.21	0.34	0.13	2			A	10	0	None		19	
255313	STEVENS LA	POTUNK LA	JESSUP LA	JESSUP LA	0.34	0.41	0.07	2			A	10	0	None		16	
255313	STEVENS LA	JESSUP LA	BAYFIELD LA	BAYFIELD LA	0.41	0.51	0.10	2			A	10	0	None		19	
255314	STILLWATERS LA	BAYFIELD LA	CUL-DE-SAC	CUL-DE-SAC	0.00	0.31	0.31	2			A	10	0	None		19	
255315	SUNSET AVE	MAN ST	MILL RD	MILL RD	0.00	0.29	0.29	2			A	10	0	None		19	
255315	SUNSET AVE	MILL RD	BROOK RD	BROOK RD	0.29	0.41	0.12	2			A	10	0	None		19	
255315	SUNSET AVE	BROOK RD	REDFIELD LA	REDFIELD LA	0.41	0.71	0.30	2			A	10	0	None		19	
255315	SUNSET AVE	REDFIELD LA	HUMPHREY ST	HUMPHREY ST	0.71	0.80	0.09	2			A	10	0	None		19	
255315	SUNSET AVE	HUMPHREY ST	MONTAUK HWY	MONTAUK HWY	0.80	0.88	0.08	2			A	10	0	None		19	
255316	SUNSET LA	BROOK RD	END	END	0.00	0.18	0.18	1			A	10	0	None		19	
255317	SUNSWYOK LA	BEACH LA	SEAFIELD LA	SEAFIELD LA	0.00	0.11	0.11	2			A	10	0	None		19	
255317	SUNSWYOK LA	SEAFIELD LA	DELAFIELD DR	DELAFIELD DR	0.11	0.23	0.12	2			A	10	0	None		19	
255317	SUNSWYOK LA	DELAFIELD DR	ASPATUCK RIVER	ASPATUCK RIVER	0.23	0.27	0.04	2			A	10	0	None		19	
255318	TUTTLE PL	BEACH LA	LIBRARY AVE	LIBRARY AVE	0.00	0.15	0.15	2			A	10	0	None		19	
255319	WESTBRIDGE RD	JESSUP LA	CUL-DE-SAC	CUL-DE-SAC	0.00	0.10	0.10	2			A	10	0	None		19	
255320	WHITE OAK LA	SOUTH RD	ONECK LA	ONECK LA	0.00	0.18	0.18	2			A	10	0	None		19	
255321	WOODLAND AVE	MILL RD	BROOK RD	BROOK RD	0.00	0.23	0.23	2			A	10	0	None		19	
								Centerline Miles Total:	25.25								
								Lane-Miles Total:	51.95								

Jurisdiction: **County** County-maintained roads are shown below for reference.


State DOT ID	County	Road/Street Name	Start of Section	End of Section	Req MP	End MP	Length	DIV Hwy	No. of Lanes	One Way	Pvt Type	Pvt Width	Shldr Width	Med Type	Med Width	Func Class	NIS
236322	89	DUNE RD	91 M EAST OF	EO JESSUP LN	0.00	1.18	1.18	2			A	56	0	None		16	
236317	80	MONTAUK HWY	WIBCH VIL LINE	CR 31	21.11	21.34	0.23	2			A	24	9	None		16	
236317	80	MONTAUK HWY	CR 31	SH TOWN LINE	21.34	21.85	0.51	2			A	24	9	None		16	
236279	31	OLD RIVERHEAD RD	CR 80	LRR	0.00	0.61	0.61	2			A	24	7	Ctr-Turn		14	Y

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Local Roads GIS Project




- FHWA requirement (and internal interest) to build all public roads in GIS
- Some private roads also – esp. for bridges
- Essentially became an “audit” of locally reported roadways
- Also had to build non-state, non-local
- Required rules to ensure consistency



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Local Roads GIS Project

- Local roads GIS project started in 2013
- Reviewed every single Non-FA road
- Held about two dozen outreach meetings around the state
- Questions and “doubts” expressed yielded better definition of the requirements
- Led to development of a Local Highway Inventory Manual, posted on Internet



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LOCAL HIGHWAY INVENTORY

Highway Data Services Bureau
New York State Department of Transportation
50 Wolf Road, 4-2, Albany, NY 12232
www.dot.ny.gov/highway-data-services


LOCAL HIGHWAY INVENTORY MANUAL 2018

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August/September

NYSOT Main Office in Albany distributes annual LHI update documents to NYSOT Regional Offices

NYSOT Regional Offices distribute the documents to the municipalities and counties in their Region, including:

- Current LHI listings
- Annual Certification of Local Highway Mileage form
- LHI update instructions

September through December

Local officials review, complete, and return LHI documents to NYSOT Regional Offices

LHI submissions are reviewed by Regions and edited, if necessary

Reviewed LHI submissions are submitted to NYSOT Main Office

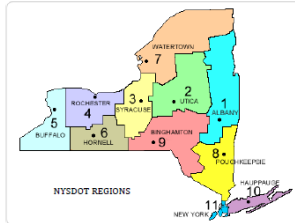
December through March

Reviewed LHI submissions undergo further review, editing where necessary, and validation before entry into the NYSOT roadway database

Any requests for additional documents and significant comments are fed back to local governments through the Regions

Selected data reviews occur year-round at the NYSOT Main Office Highway Data Services Bureau (HDSB)

HDSB updates internal databases and mapping to reflect reported changes and prepare data for annual reporting



NYSOT REGIONS

HIGHWAY DATA SECTION

Patrick K www.dot.ny.gov/highway-data-services

Maintains an up-to-date inventory of public roadways in New York State, including physical and administrative data about the roads. Merges roadway inventory, traffic data, and pavement condition data into comprehensive listings of roadway use and condition and makes the data available to the public and other governmental agencies.

Highway Statistics

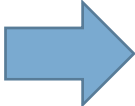
- [Highway Mileage Report 2017](#) Annual report indicating highway mileage by jurisdiction and county. Prior editions of the Highway Mileage Report (1975 to present) are available in a pdf format upon request.
- [Highway Mileage 2017](#) (zip file contains csv file)
Highway mileage by jurisdiction and county in a database table format.
- [Highway Mileage Summaries 2017](#) Centerline and lane-mileage stratified into several different groupings including jurisdiction, touring & reference route systems, Federal Aid eligibility, National Highway System, Regions, counties, and urban/rural.
- [Vehicle Miles of Travel 2017](#) (zip file contains csv file) revised 7/24/2018
Estimates of Vehicle Miles of Travel (VMT) and system length stratified by functional class, urban area, and county.

[Roadway Inventory 2017](#)
A detailed listing of all of the public roads in the State by county. Includes traffic data (the Annual Average of Daily Traffic, AADT) where available.

Local Highway Inventory
The most recently distributed listings of the municipality and county owned roadways from the Roadway Inventory.

- [Local Highway Inventory - County Roads 2018](#)
- [Local Highway Inventory - Local Roads and Streets 2018](#)
- [Local Highway Inventory Manual](#) (updated April 2018)
- [Local Highway Inventory Instructions](#) (zip file contains docx)


[Functional Classification](#)
Functional classification is the process by which roads, streets and highways are grouped into classes according to the character of service they provide. Individual roads and streets do not come from independent but as part of a system of



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Public Road

- A road or street owned and maintained by a public authority and open to public travel
- Accessible to the general public except during scheduled periods for maintenance or special events, extreme weather, or emergency conditions
- Open to the general public for use without physical barriers, prohibitive signage, or regulation other than size, weight, or registration class restrictions
- Easily passable using a standard four-wheel passenger car



Ineligible Roadways

- Private roads
- Paper streets
- Closed or abandoned roads
- Restricted public roads
- (“Closed at Dusk” or “No Trespassing” etc.)
- Roadways providing access exclusively to employee-restricted or time-restricted municipal facilities (offices, municipal garages, transfer stations, landfills, water towers, etc.)



“Private” roads

Maintained by municipality for utility access, but not a “public road”



This is a common situation on waterfront properties.



Public - “Private” Roads

- Public owned does not equal “public road”
- Roads typically not “open to the public”*:
 - park roads
 - cemetery roads
 - driveways such as at
 - town offices
 - town garages
 - landfills/brush landfills
 - transfer stations

* without restriction



Public Road?

The “road” from the east/west highway at the bottom to the house and barns at the top was submitted as a public road



Public Road?

- No break in double yellow line
- No Stop Sign or other control device
- No street sign
- Mailbox present
- Anyone can use their driveway?



Number of Lanes

CHIPS program driven also by number of lanes

- Lanes Excluded from the LHI
 - Truck Climbing Lanes
 - Toll Collection Lanes
 - Parking Lanes
 - Acceleration/Deceleration Lanes
 - Weaving Lanes
 - Turning Lanes
 - Continuous Center Turn Lanes
 - Bicycle Lanes

Resolutions

- Required to:
 - Accept new roads
 - Add old roads not in inventory
 - Accept more than minor length changes
 - Abandon a roadway
 - Transfer a roadway
- Roads must exist and currently be open to the public (except for limited construction periods)

Resolutions

- Must include local governing body (Town Board) acceptance of all legal, maintenance & repair responsibility for the roadway
- Must include an indication that the resolution has been voted upon and passed
- Must mention each road specifically (may do so in an official attachment to the resolution)

Resolutions

RESOLUTION #: Ratification of various existing roads in the Town of [REDACTED] was offered by Council Member [REDACTED] at the regular monthly meeting of the [REDACTED] Town Board held on [REDACTED]. WHEREAS, [REDACTED] Highway Superintendent [REDACTED] recently attended a meeting with state officials from DOT and CHIPS, and WHEREAS, the state employees sat at a computer and used Google Earth to determine the length of the roads throughout the state and, WHEREAS these representatives presented their finding of the length of various roads in the Town of [REDACTED] and other [REDACTED] municipalities in adjoining counties at this meeting, and WHEREAS, the [REDACTED] Highway Superintendent disagrees strongly with some of the length designated by the state, and of the roads they officially list as town roads, now therefore be it **RESOLVED**, that the Town of [REDACTED] does hereby ratify and reiterate that the following are now and have in the past been town roads and does designate their lengths as follows:

- Everyone is entitled to their own opinion, but perhaps an official resolution shouldn't be used to air these

Roads by Use

- Highways by Use – Highway Law Sec., 189
- Streets by Prescription – Village Law, Sec. 626
- Originally passed in the 1930's, presumably to formalize the longstanding use of "paths" as roadways by the general public
- Also need a resolution
- Perhaps overused to "acquire" roadways

Abandoned Roads

Discontinued/abandoned roads removed by resolution or by NYSDOT if deemed restricted or abandoned



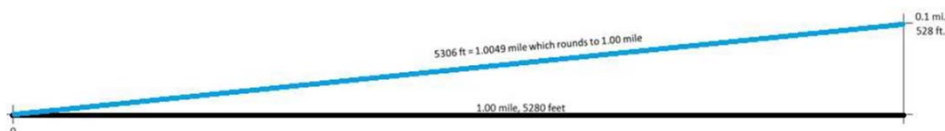
<input type="checkbox"/> COUNTY ROAD or <input type="checkbox"/> LOCAL ROAD (check one)		NYSDOT Local Highway Inventory New and Extended Road Template		USE FOR NEW ROADS OR EXTENDED ROADS, ONLY All other edits should be done on existing road listings.					
County		Municipality Name & Type (city, town, village)		Geocode [4digits – see upper right on Road Listings]					
1		Road or Street Name [max. 20 characters]		DOT ID # Road No. (county roads) <small>Insert no. from listing if extending an existing road, otherwise insert NEW.</small>					
From [Start of section at western or southern end, max. 15 characters]		To [End of section at eastern or northern end, max. 15 characters]		North East Bound OR Bound Primary direction of the road. (circle one)					
Start mile point	End mile point	Section Length	Number of Lanes	One Way (Y/N)	Divided Hwy (Y/N)	Pavement Type	Median Type	Pymnt Shldr Median Width in Feet	
2		Road or Street Name [max. 20 characters]		DOT ID # Road No. (county roads) <small>Insert no. from listing if extending an existing road, otherwise insert NEW.</small>					
From [Start of section at western or southern end, max. 15 characters]		To [End of section at eastern or northern end, max. 15 characters]		North East Bound OR Bound Primary direction of the road. (circle one)					
Start mile point	End mile point	Section Length	Number of Lanes	One Way (Y/N)	Divided Hwy (Y/N)	Pavement Type	Median Type	Pymnt Shldr Median Width in Feet	
3		Road or Street Name [max. 20 characters]		DOT ID # Road No. (county roads) <small>Insert no. from listing if extending an existing road, otherwise insert NEW.</small>					
From [Start of section at western or southern end, max. 15 characters]		To [End of section at eastern or northern end, max. 15 characters]		North East Bound OR Bound Primary direction of the road. (circle one)					
Start mile point	End mile point	Section Length	Number of Lanes	One Way (Y/N)	Divided Hwy (Y/N)	Pavement Type	Median Type	Pymnt Shldr Median Width in Feet	

Other Details

- LHI Manual provides guidance on
 - How lengths are measured CL to CL
 - Measuring around cul-de-sacs
 - Handling roundabouts (an intersection)
 - Dealing with shared boundary roads
 - Elevation changes

Elevation Changes

- Extensive discussion during GIS outreach mtgs
- Measured to 0.01 mile precision, negligible impact due to elevation changes
- Two dimensional measurements used for LHI



A Legal Document?

The Local Highway Inventory is a listing of roads in response to a requirement under State Highway Law for the purpose of implementing CHIPS. While it does imply ownership (or maintenance responsibility) of a road by a particular jurisdiction, the LHI is not a survey, title or other legal rights document.

---But the listings are often requested.

Summary

- Developing an accurate local roadway inventory is a lot more than just asking for a listing the roads
- Having clearly defined guidelines is a substantial plus
- Posting those guidelines where all have access helps even more