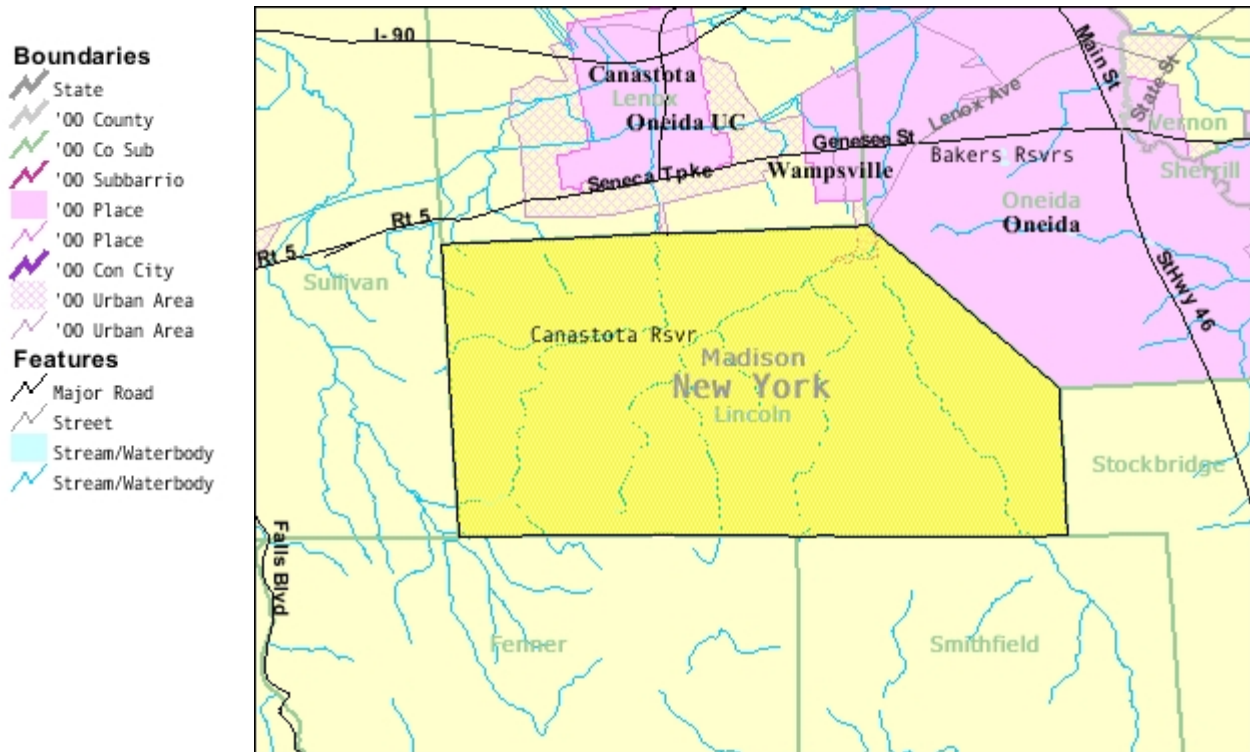


Town of Lincoln



Contact	Title	Phone
Darrin Ball	Town Supervisor	(315) 391-4515
Melissa Durring	Town Clerk	(315) 697-8837
Tony Domenicone	Highway Superintendent	(315) 697-7018
Andrew Jeski	Planning Board Chairman	(315)
Dennis Fields	Code Enforcement Officer	(315) 697-9915

Background

The Town of Lincoln is a community of 2,012 residents located south of the Village of Canastota and north of the Village of Morrisville. The population of the town is made up of 74% falling within the 18-65 year olds and only 9% of the population is over the age of 65. The town currently occupies approximately 15.8 square miles. The equalized assessed value of the town is approximately 88 million dollars, and is spread across a variety of property classes. There are approximately 392 owner occupied housing units in the township. There is no commercial development taking place at this time. The reduction of operating agricultural businesses in the town is decreasing and the farm land is being developed to residential uses. The county landfill is located in the township.

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Land Use and Development Trends

The Town of Lincoln saw the highest percentage increase in Population of any Madison County town between the 1990 and 2000 census. Most development is in the form of farms being sold off for building lots. The Don New Farm along Seeber and Forbes Roads and the Dale Smith Farm in Clockville are two prominent examples. The Callahan Limestone Quarry is currently seeking to expand its operation towards Oxbow Road.

Assets

Town Hall is located on Timmerman Road. This building does not have an alternate generator and is not wired for an outside generator.

Town Highway barn is located on Old County Road in the center of Clockville. A new Highway Department garage is planned for Tuttle Road. Construction is expected to begin in 2006. The Town Highway Department administers 31 miles of road. The total crew for the Town of Lincoln is 3 full time employees.

Equipment:

- 3 10-wheeled dump trucks, w/plow and sander
- 1 6-wheeled dump truck
- 1 ¾-ton pick-up truck w/plow
- 1 Front-end loader
- 1 Gradall
- 1 Grader
- 1 Wood chipper
- 1 2-drum roller
- 1 tractor w/sickle bar & brush hog
- 1 Shoulder machine (shared w/Town of Smithfield)

The Lincoln Fire Department has two fire houses, one is located in Clockville and the other is on Creek Road.

The County Landfill is located on Buyea Road.

Local Organization and Regulations

The Town Board meets on the second Wednesday of each month.

The Town Planning Board is in place to review new development and sub-division requests. The Planning Board meets on the first Monday of each month.

The Zoning Board of appeals meets as needed.

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The Planning Process

The Town Board discussed the Hazard mitigation Project at a board meeting on 11/16/13, and determined who the initial contacts for the planning process would be. It was determined that the next step would be to discuss this plan with the planning board. That meeting was held on 3/1/04 at the town offices. Potential areas of concern, areas of historical problems and potential projects for the future were discussed. A meeting was held with the town supervisor on 9/23/14. The topics from the planning board meeting were discussed and additional areas of concern were considered. A meeting took place on 5/26/15 with Tony Domencone, Town Highway Superintendent, to finalize the plan.

Public Involvement

Two meetings were held at which members of the public were invited to provide input on the hazard mitigation planning process. These meetings were publicized in the Syracuse Post Standard, Oneida Daily Dispatch, Canastota Bee Journal, and Cazenovia Republican. No members of the public attended these meetings. One citizen did call Madison County Soil and Water Conservation District from the City of Oneida to express concerns about flooding there. As soon as the first draft of the entire plan for Madison County is finished, it will be posted on the Madison County website. All members of the public will be provided a means of providing input at that time.

Input from Neighboring Communities, Agencies, Businesses, Academia, Nonprofits and Other Parties

The following organizations and companies have been contacted for input into this plan:

- Lincoln Fire Department
- Callahan Quarry

Existing Plans, Studies, Reports, and Technical Information

Callahan Quarry is currently having a study of groundwater done in the Oxbow Road area in anticipation of expanding their quarry.

Hazards

As part of the Madison County Comprehensive Emergency Management Plan, a Hazard Analysis was conducted using the HAZNY program with data supplied by the National Oceanic & Atmospheric Administration, and ESRI Hazards data. This HAZNY analysis identified Moderately High Danger in order from Severe Storms, Transportation Accidents, Winter Storms, Fires, and HAZMAT (in Transit). The HAZNY analysis identified Moderately Low Danger in order from Ice Storm, Terrorism, Flood, Utility Failure, Water Supply Contamination, Tornado, Oil Spill, HAZMAT (Fixed Site), Ice Jam, Infestation, Radiological (Fixed Site), Extreme Temperatures, Epidemic, Drought, and Explosion. The Madison County Hazard Mitigation Plan is required by FEMA to address natural disasters. Sections of this plan have been written on a County-wide basis for Severe Storms, Transportation Accidents, Winter Storms, Fire, Ice Storm/ Utility Failure, Flood/ Hurricane, and Tornado. The following table is used to determine whether or not the local community's hazard danger differs from the County as a whole for natural

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disasters and a few chosen man-made disasters. The local community can also decide whether or not a section on a particular hazard should be written specifically for that municipality.

Hazard	Madison Co. Class.	Madison Co. Ranking	Town Of Lincoln Probability Greater (G), Lesser (L) About Equal (E)	Town of Lincoln Issues Beyond County-wide Plan Yes (y), No (n)
Severe Storms	Mod. High	312.2	E	N
Transportation Accidents	Mod. High	285.2	L	N
Winter Storms	Mod. High	272.2	E	Y
Fires	Mod. High	265.2	E	N
Ice Storms	Mod. Low	236.2	E	N
Flood	Mod. Low	222.8	E	Y
Utility Failure	Mod. Low	218.5	L	Y
Tornado	Mod. Low	202.5	E	N
Ice Jam	Mod. Low	180.5	L	N
Infestation	Mod. Low	173.8	E	N
Extreme Temperatures	Mod. Low	169.8	E	N
Epidemic	Mod. Low	164.2	E	N
Drought	Mod. Low	164.2	E	N
Wildfire	Low	160.5	L	N
Wave Action	Low	159.5	L	N
Dam Failure	Low	159.2	L	N
Hurricane	Low	158.8	E	N
Earthquake	Low	150.5	E	N
Blight	Low	96.2	E	N
Landslide	Not Rated		E	N

Types of Mitigation Measures

This section is used to indicate the types of mitigation actions that already are in use in the Town of Lincoln. Appendix D of this plan can be used as a guide as to what mitigation actions can mitigate different hazards.

Prevention - Government administrative or regulatory actions or processes that influence the way land and buildings are developed and built. These actions also include public activities to reduce hazard losses.

	Building Code	Density Controls	Design Review Standards	Easements	Environmental Review Standards	Flood plain Development Regulations	Floodplain zoning
Lincoln Program	State BOCA	1 acre minimum	State Health	National Grid	SEQR for major	Federal Flood	No

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	Codes	lot size with 150 foot road frontage	Codes Fire Codes	power co. has easement with Hwy.. Dept.	subdivisions	Insurance Rules apply	
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Transfer of Development Rights	Hillside Development Regulations	Open Space Preservation	Performance Standards	Streambank Setback Regulations	Special Use Permits	Stormwater Management Regulations	Subdivision & Development Regulations
State & Federal Programs Available for Ag	Construction allowed up to a set % grade	Construction not permitted on portions of some spaghetti lots	Time Limit on Permits 1 year	State Health rules for septic systems	Through Planning Board	State Regs Apply	Local subdivision rules

Property Protection - Actions that involve the modification of existing buildings or structures to protect them from a hazard, or removal from the hazard area.

	Acquisition of Hazard Prone Structures	Construction of Barriers Around Structures	Elevation of Structures	Relocation Out of Hazard Areas	Structural Retrofits (e.g.floodproofing)
Lincoln Program	No	No	No	No	No

Public Education and Awareness - Actions to inform and educate citizens, elected officials, and property owners about the hazards and potential ways to mitigate them.

	Hazard Information Centers	Outreach Programs	Real Estate Disclosure	School-age and Adult Education Programs
Lincoln Program	No	Education of Elected to NIMS Standards	State Rules Apply	No

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Natural Resource Protection - Actions that, in addition to minimizing hazard losses, also preserve or restore the functions of natural systems.

	Best Management Practices	Forest & Vegetation Management	Sediment & Erosion Control Regulations	Stream Corridor Management	Stream Dumping Regulations	Urban Forestry & Landscape Management	Wetlands Development Regulations & Restoration	Watershed Management
Lincoln Program	Technical Assistance from County SWCD	NYS DEC 480A Program available	State Regs for greater than 1 acre development;	No	State Rules Apply	No	State & Federal Rules Apply	Oneida lake Program;

Emergency Services - Actions that protect people and property during and immediately after a disaster or hazard event.

	Critical Facilities Protection	Emergency Response Services	Hazard Threat Recognition	Hazard Warning Systems	Health & Safety Maintenance	Post Disaster Mitigation
Lincoln Program	Emergency Generator for Fire Department	Lincoln Fire Dept., Greater Lenox Ambulance, State Police County Sheriff	MSDS Sheets on File with Fire Department	911 Center Alert System:	County Health Department Rules for drinking water and minimum living standards	Red Cross, Opportunity Shop for St. Agnes Church

Structural Projects - Actions that involve the construction of structures to reduce the impact of a hazard.

	Channel Maintenance	Dams/Reservoirs	Levees & Floodwalls	Safe Room/ Shelter
Lincoln Program	No	No	No	No

Incorporation of Hazard Mitigation Plan requirements into local planning mechanisms.

The foregoing list of existing mitigation measures and the proposed mitigation actions that follow will be considered during the next rewrite of the Town Zoning Regulations.

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Mitigation Actions by Hazard

A. Flooding

Mitigation Goals

Minimize loss of property, risk of injury, damage to the environment, and loss of infrastructure from 500-year flooding events.

Historical Events

January '96 Flood – This was presidential disaster FEMA 1095 DR. This was a region wide event in which a warm rain fall melted an accumulated snowpack. It was believed to be comparable to the 50 year frequency storm of 4.9 inches in a 24 hour period.

May 2000 Flood Event – This spring runoff event was declared disaster FEMA 1335 DR NY. The Town of Lincoln received \$24,782.44 in federal and state assistance for this event.

April 2-4, 2005 Severe Storms and Flood Event - This was declared disaster FEMA 1589 DR NY. Flooding was caused by rain in conjunction with snowmelt. The Town of Lincoln did not sustain severe damage from this event. Greater damage occurred at higher elevations in Madison County.

Locations Subject to Hazard

Clockville Road – Two houses on Clockville Road have suffered repetitive flood damages because of their proximity to Clockville. Money is available to purchase houses at this location.

Creek Road – This County Road has had recurring problems during spring snow melt and summer thunderstorms. As a result of stream gradient, high flows carry large amounts of bed load that tend to plug culverts and result in the flooding of the roads and private property. Since Creek Road is a County Highway this problem was discussed in more depth in the County Highway section of the plan..

Cottons Road - A culvert under Cottons Road located between the Oster Farm and the Harlow Smith Farm is often submerged and backs water up occasionally flooding the road. A runoff estimate and culvert sizing will be performed by SWCD personnel.

Nelson Road - A culvert under Nelson Road located between Cottons Road and Nelson Road is sometimes overwhelmed by storm water or snow melt. Culvert capacity becomes reduces because of soil deposition from farmland erosion. Culvert diameter was recently increased to 18 inches from 12 inches. A runoff estimate and culvert sizing will be performed by SWCD personnel.

Seeber Road – Runoff to the South has occurred in the past. Ditch, shoulder, and road surface damage noted in Spring 2000 flood. Work done since the 2000 flood has probably resolved this problem.

Clockville Road – Bend in Creek east of Crandall Road has overflowed.

Old County Road – South of Ingalls Corner Road, runoff during Spring melt has caused road damage during past events.

Watson Road – Runoff in Spring or during heavy summer rains has caused washout of the road shoulder and undermining of the road surface.

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Forest Avenue – Runoff during heavy rainstorms.

Additionally, runoff in storm events has in the past caused damage to roads by washing out roads and road shoulders.

Future Development in Hazard Area

Development has been occurring along Seeber Road but hopefully problems in this area have been resolved.

Potential Losses

Clockville Road – One house at this location suffers basement flooding on a regular basis when the creek level rises. Another house has more intermittent problems with creek flooding. Damage is estimated at \$1,500 per event.

Chapman Road - In the January '96 flood, this road sustained \$3,667.00 in damage because of 500' of shoulder washout and 1000 square foot of chip seal replacement. In the Spring 2000 flood, this road sustained approximately \$2,500 in damage because of 150' of road ditch and 160' of 18" pipe washout.

Forbes Road - In the Spring 2000 flood, this road sustained approximately \$3,700 in damage because of 1200' of road ditch, 600' of shoulder, and 70' of 15' pipe washout.

Nelson Road - In the January '96 flood, this road sustained \$5,527 in damage because of 1395' of shoulder washout.

Watson Road - In the January '96 flood, this road sustained \$7,259 in damage. Because of 500' of sub base, 250' of shoulder, 130' of ditch washout.

Forest Ave. - In the Spring 2000 flood, this road was listed as damaged because of an 18" x 50' culvert washout.

Mitigation Measures

Project #	Project Name	Description	Lead Agency	Estimated Cost
T/Lincoln#1	Cottons Road Culvert Repairs	The project will replace the existing culvert with one of proper sizing to handle calculated flows. A runoff estimate and culvert sizing will be done by Soil & Water staff.	Town of Lincoln Highway	\$75,000
T/Lincoln#2	Nelson Road Culvert Repairs	The project will replace the existing culvert with one of proper sizing to handle calculated flows. A runoff estimate and culvert sizing will be done by Soil & Water staff at no cost to the Town.	Town of Lincoln Highway	\$12,500

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Cottons Road – The culvert at this location should be upgraded. A runoff estimate and culvert sizing will be done by SWCD staff. There will be no cost to the Town. This is a High Priority for the Town. .

Nelson Road – The culvert at this location should be upgraded. A runoff estimate and culvert sizing will be done by SWCD staff. There will be no cost to the Town. This is a High Priority for the Town.

Prioritization

The STAPLEE process is the means by which proposed mitigation actions are prioritized for a community. The STAPLEE process utilizes the following criteria:

- **Social:** Will this action be acceptable to the community and individuals affected?
- **Technical:** Is the action a long term technically feasible solution with little or no secondary impacts?
- **Administrative:** Are the staff and funding available to implement and maintain the action?
NOTE: Inadequate resource did not eliminate consideration of an action.
- **Political:** Is the action supported by political leaders and the public?
- **Legal:** Does the municipality have the legal authority to implement the proposed action?
- **Economic:** Is this action a cost effective method for providing hazard mitigation and community benefits?
- **Environmental:** Is this action consistent with community environmental goals?

The following table uses the STAPLEE System to rate proposed mitigation actions.

+ 1 is Favorable, -1 is Unfavorable, N is Neutral or Not Applicable

A Score of 6 -7 is a high priority, 3-5 is a medium priority, 2 or less is a low priority

Proposed Mitigation Action								
	Soc	Tech	Admin	Polit	Legal	Econ	Enviro	Score
Cottons Rd Culvert Repairs	+1	+1	-1	+1	+1	+1	+1	5
Nelson Rd Culvert Repairs	+1	+1	-1	+1	+1	+1	+1	5

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Plan Monitoring and Update

The Madison County Office of Emergency Preparedness will be responsible for monitoring the status of the County Hazard Mitigation Plan and all of the subsections of the plan specific to local municipalities. During the first quarter of every calendar year, the Emergency Preparedness Director will (most likely by e-mail) contact the Town of Lincoln's Highway Superintendent and submit a copy of the evaluation form. The Town's Highway Superintendent will complete and return this form within 10 business days.

During the second quarter of the year, the County Emergency Preparedness Director, will prepare an annual summary report for progress in implementing the County Hazard Mitigation Plan. Included in this plan will be the following:

- A summary and analysis of all disasters that have struck Madison County during the previous calendar year,
- a gap analysis for the hazard mitigation plan for any disasters that occurred during the previous calendar year,
- a listing of funding opportunities made available from FEMA and SEMO during the 12 months prior to the annual summary report,
- a summary of the progress that has been made towards accomplishing mitigation measures during the previous calendar year,
- problems encountered in implementing the plan,
- And, recommendations for changes to the Hazard Mitigation plan.

A copy of this report will be sent to the Town's Highway Superintendent and will be posted on the Madison County Website. Public Comment will be accepted based on review of these reports and the County's Plan available on this web site.

Every five years after the plan receives its FEMA approval and adoption by the Lincoln Town Board, the County Emergency Management Director will update the County Hazard Mitigation Plan and the Town of Eaton annex based on reports supplied by the Town's Highway Superintendent and other municipalities, as well as input from the public. This updated plan will be submitted to the Town of Lincoln for approval before being forwarded to FEMA.