

Village of Muttontown Annex

This document presents the Village of Muttontown’s annex to the *Nassau County Multi-Jurisdictional Hazard Mitigation Plan*.

Hazard Mitigation Plan Points of Contact

The individuals below have been identified as this jurisdiction’s points of contact for the hazard mitigation plan. These individuals are members of the Planning Committee that met regularly for the update of this plan and will continue to meet in the years ahead to implement it.

Primary Point of Contact	Alternate Point of Contact
James Liguori, Mayor Village of Muttontown One 'Raz' Tafuro Way Muttontown, NY 11791 jliguori@muttontownny.gov 516 729-9350	Joe Russo, Acting Clerk Village of Muttontown One 'Raz' Tafuro Way Muttontown, NY 11791 jrusso@muttontownny.gov 516 729-9350

Profile

The Village of Muttontown covers approximately 6.09 square miles¹ and has a total population of 3,661 according to the American Community Survey 5-Year 2018 Estimates. Some of the demographics of the Village of Muttontown are summarized in Table 1. This information supported the development of mitigation actions that account for the needs of the most vulnerable individuals in the community.

Table 1: Village of Muttontown Demographic Information

Demographic		Demographic	
Below 5 Years Old	1.3%	Black or African American alone	3.7%
Above 65 Years Old	18.3%	American Indian and Alaska Native alone	0.0%
Individuals with Disabilities	Information not provided	Asian alone	23.0%
Persons in Poverty	4.7%	Native Hawaiian and other Pacific Islander alone	0.0%
Renters	2.6%	Two or More Races	0.5%
Without a High School Diploma	1.8%	White alone, not Hispanic or Latino, percent	69.6%
Without Access to Broadband Internet	0.0%	Hispanic or Latino	0.2%

¹ This is inclusive of land area only.

The Village of Muttontown has seen an increase in residential development. In the past five years, large plots of land have been sectioned off and developed into subdivisions. By understanding these development trends and how they intersect with hazard-prone areas, this allows for current and future vulnerabilities to be planned for and avoided.

Refer to the **County Profile** section of this plan for additional information related to current and future conditions of the County’s vulnerable population and the natural environment. This information provides important context for understanding hazard mitigation planning.

Hazard Vulnerability

This section summarizes how the natural hazards profiled in Section 4 of this plan impact the Village of Muttontown. The jurisdiction identified Extreme Temperatures and Flooding as the hazards that impact the community most. Table 2 shows the sectors of the community that are most likely to be impacted by each hazard. The categories that were considered included the community, economy, health and social services, housing, infrastructure, natural and cultural resources, or no impact. No impact indicates that the jurisdiction did not identify a noticeable impact from the hazard over the past five years, even if the hazard occurs. This information was used to develop a relevant and effective mitigation strategy for the jurisdiction. Detailed hazard event histories, critical facility exposure, and additional vulnerability information can be found in each hazard profile in Section 4 of this plan.

The hazards that most impact the Village of Muttontown include:
Extreme Temperatures and Flooding.

Table 2: Village of Muttontown Hazard Impacts

Hazard	Impact Categories
Coastal Hazards	Community, Infrastructure
Drought	No Impact
Extreme Temperatures	Community, Infrastructure
Flooding	Community, Infrastructure
Ground Failure	No Impact
Hurricane and Tropical Storms	Community, Economy, Infrastructure, Natural and Cultural Resources
Hail	No Impact
Lightning	No Impact
Severe Winter Weather	Community, Economy, Infrastructure
Tornados	No Impact
Wind	Community, Infrastructure, Natural Cultural Resources

Capability Assessment

This section summarizes the capabilities that the Village of Muttontown has in place that can support hazard mitigation. These capabilities include plans, ordinances, staff, financial resources, and program participation. This Capability Assessment was used to help drive the identification

and development of the projects presented in the Mitigation Strategy to make sure that they are appropriate in scope and achievable to implement.

Legal and Regulatory Capability Assessment

Table 3 lists the assessment of existing legal and regulatory tools for the Village of Muttontown. The Village of Muttontown maintains several key administrative and technical capabilities to support mitigation, including building codes, site plan review requirements, stormwater management plans, subdivision ordinances, and zoning ordinances. These capabilities are critical to consider as tools in developing and implementing mitigation strategies. To further enhance their mitigation capabilities, the Village can consider the capabilities in the table below that the Village currently does not have. These additional capabilities would either support creating a legal framework or strategy for implementing a diversity of mitigation actions.

Table 3: Village of Muttontown Existing Legal and Regulatory Capabilities

Regulatory Tool	Yes / No	Citation (if applicable)
Access and Functional Needs Plan	No	
Building Code	Yes	New York State Building Code
Capital Improvement Plan	No	
Climate Action Plan	No	
Community Development Plan	No	
Comprehensive Plan / Master Plan	No	
Economic Development Plan(s)	No	
Emergency Response Plan(s)	No	
Floodplain Management Plan(s)	No	
Growth Management Plan(s)	No	
NFIP Flood Damage Prevention Ordinance(s)	No	
Open Space Plan(s)	No	
Post Disaster Recovery Ordinance(s)	No	
Post Disaster Recovery Plan(s)	No	
Real Estate Disclosure Requirements	No	
Resilience Plan(s)	No	
Site Plan Review Requirement(s)	Yes	Village Zoning Code
Small Area Development Plan(s)	No	
Special Purpose Ordinance(s)	No	
Stormwater Management Plan(s)	No	Village Zoning Code
Subdivision Ordinance(s)	No	Village Zoning Ordinance
Transportation Plan(s)	No	

Regulatory Tool	Yes / No	Citation (if applicable)
Zoning Ordinance(s)	No	Village Zoning Ordinance

Administrative and Technical Capability Assessment

Table 4 lists the assessment of existing administrative and technical tools for the Village of Muttontown. Increasing capacity and expertise in mitigation related administrative and technical capabilities of the Village will support mitigation planning and implementation.

Table 4: Village of Muttontown Existing Staff / Personnel Resource

Staff / Personnel Resource	Yes / No	Details
Emergency Manager(s)	No	Tony Toscano Superintendent of public works
Engineer(s) trained in construction practices related to buildings/infrastructure	No	
Engineer(s) with an understanding of natural and/or human caused hazards	No	
Engineer(s) with knowledge of land development and land management practices	No	Paul Stevens, Liro Group
Grant Writers	No	
Personnel skilled or trained in Geographic Information Systems	No	Paul Stevens, Liro Group
Personnel trained in construction practices related to buildings/infrastructure	No	Tony Toscano, H2M
Planner(s) with an understanding of natural hazards	No	Paul Stevens, Liro Group
Planner(s) with knowledge of land development and land management practices	No	Paul Stevens, Liro Group
Scientist(s) familiar with natural hazards	No	
Surveyors	No	North Coast

Fiscal Capability Assessment

Table 5 lists the assessment of existing fiscal tools for the Village of Muttontown. Funding is often the biggest barrier when implementing mitigation programs. The Village is primarily able to fund mitigation programs by capital improvements project funding and impact fees for home buyers and/or developers. Village of Muttontown should consider explore additional fiscal capabilities in order to gain access to additional funding for mitigation.

Table 5: Village of Muttontown Existing Fiscal Capabilities

Resources	Yes / No	Additional Details
Ability to incur debt through general obligation bonds	No	
Ability to incur debt through private activity bonds	No	
Ability to incur debt through special tax bonds	No	
Authority to levy taxes for specific purposes	No	
Authority to utilize user fees for utility services	No	
Authority to withhold public expenditures in hazard prone areas	No	
Capital improvements project funding	Yes	
Community Development Block Grants (CDBG)	No	
Impact fees for home buyers and/or developers	Yes	Road impact fee
State mitigation grant programs	No	

Community Classification Assessment

Table 6 lists the assessment of existing community classifications for the Village of Muttontown. Exploring gaining one or more community classifications will guide the Village's mitigation programs and support capacity building.

Table 6: Village of Muttontown Community Classifications

Classification	Yes/No (or Status)
Building Code Effectiveness Grading Schedule (BCEGS)	No
Public Protection Classification Program	No
Community Rating System (CRS)	No
Other Classifications	No

National Flood Insurance Program Summary

This section provides a summary of the floodplain management capabilities for Village of Muttontown and how the jurisdiction is meeting the requirements of the National Flood Insurance Program (NFIP).

A ravine along Mill River Road and Brookville Road is prone to flooding. The Village reported that three properties were substantially damaged as a result of recent flood events. The Village of Muttontown is in good standing with the NFIP.

Based on documentation received from NYSDEC, a compliance audit (e.g., Community Assistance Visit or Community Assistance Contacts) has not been conducted for the municipality but the village will determine if one is needed in the future and schedule it. There are no NFIP compliance violations that need to be addressed in this jurisdiction.

The Village does not currently have a designated floodplain manager. The Village did not note any current barriers to running a successful NFIP program. There are currently no RiskMAP projects ongoing in this jurisdiction. The Village actively reviews and evaluates the costs of performing different mitigation measures to reduce future flood losses in these areas.

Mitigation Strategy

The following section provides an overview of the mitigation strategy for Village of Muttontown. It provides an overview of the jurisdiction's previous mitigation actions, proposed actions, and the NYS mitigation worksheets.

Previous Mitigation Actions

This jurisdiction did not participate in the 2014 hazard mitigation plan.

Proposed Mitigation Actions

Project Number	VMTT_1	VMTT_2
Project Name	Catch Basin Midlane South	Remsen's Lane Culvert
Goal being met	1, 3	1, 3
Hazards to be mitigated	Insufficient drainage	Roadway flooding
Priority Ranking	High	High
Description of the Problem	Midlane South is an old country road with minimal catch basins that are not sufficient. The shoulder and roadway becomes obstructed by soil, debris and gravel. Even with regular maintenance of the upstream catch basins this area of the road has been restricted several times in recent years due to storm events. These repeating events have strained the roadway requiring more frequent maintenance/repair/cleanup.	Existing culvert is decades old, built with 6x8 wood timbers and steel pipes. The supports are rotted, damaged, and weakened, increasing the risk of collapse. This existing wood culvert structure cannot handle the water volume, causing severe roadway flooding. Several storms in the last several years have caused the culvert to overflow at several points, requiring the police to close the road preventing the passage of emergency vehicles and the public. Additionally, these repeating events have strained the roadway requiring more frequent maintenance/repair.
Description of the Solution	Install a number of catch basins with a connecting piping system at several points along Midlane South from Knollwood Lane to Ridge Road. Additionally, this will also help the environment by filtering the roadway debris from entering the waterways.	Install an underground piping system from Route 25A to Remsen's Lane. The right of way (used by the existing culvert) would be used to install a piping system from the major water source at NY State Road 25A and connect to an existing drainage system at Remsens Lane. The old wood timbers and steel pipes would be removed, and the culvert would be remediated to ensure safety.
Critical Facility	No	No
EHP Issues	None	None
Estimated Timeline	3- 4 Weeks	2 - 4 Months
Lead Agency	Village of Muttontown	Village of Muttontown
Estimated Costs	\$75,000	\$500,000
Estimated Benefits	Improve the collection of stormwater, sediment and other debris flowing on the surface of the roadway which will increase the safety of the roadway and ensure proper drainage in the residential area.	Stop flooding of the road which can become hazardous from the excess water and debris. The Road has had to be closed during heavy rains. The projected savings is \$700,000 - \$900,000 in maintenance costs over the next 25 years.
Potential Funding Sources	Seek grant funding from State via our State Senator; Seek funding via FEMA Hazard Mitigation Assistance Program	Seek grant funding from State via our State Senator; Seek funding via FEMA Hazard Mitigation Assistance Program

Mitigation Action Worksheets

The following pages contain mitigation action worksheets that provide additional detail some of the jurisdiction's proposed mitigation actions.

Nassau County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction: Village of Muttontown

NYS DHSES Action Worksheet

Project Name: Remsens Lane Culvert

Project Number: VMTT_2

Risk / Vulnerability

Hazard of Concern: Flooding

Description of the Problem: Existing culvert is decades old, built with 6x8 wood timbers and steel pipes. The supports are rotted, damaged and weakened, increasing the risk of collapse. This existing wood culvert structure cannot handle the water volume, causing severe roadway flooding. Several storms in the last several years have caused the culvert to overflow at several points, requiring the police to close the road preventing the passage of emergency vehicles and the public. Additionally these repeating events have strained the roadway requiring more frequent maintenance/repair.

Action or Project Intended for Implementation

Description of the Solution: Install an underground piping system from Route 25A to Remsens Lane. The right of way (used by the existing culvert) would be used to install a piping system from the major water source at NY State Road 25A and connect to an existing drainage system at Remsens Lane. The old wood timbers and steel pipes would be removed and the culvert would be remediated to ensure safety.

Is this project related to a Critical Facility?

Yes

No

(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)

Level of Protection: Mitigate flooding in 100-year storm

Useful Life: 50 years

Estimated Cost: \$500,000

Estimated Benefits (losses avoided):

Stop flooding of the road which can become hazardous from the excess water and debris. The Road has had to be closed during heavy rains. The projected savings is \$700,000 - \$900,000 in maintenance costs over the next 25 years.

Plan for Implementation

Prioritization: High

Desired Timeframe for Implementation:

ASAP

Estimated Time Required for Project Implementation:

2-4 Months

Potential Funding Sources:

Seek grant Funding from State via our State Senator/
Seek funding via FEMA Hazard Mitigation Assistance Program

Responsible Organization:

Village of Muttontown

Local Planning Mechanisms to be Used in Implementation, if any:

In house staff and Village Engineering firm

Three Alternatives Considered (including No Action)

Alternatives:

Action

Estimated Cost

Evaluation

No Action

\$0

Ongoing flooding and continued maintenance costs

Remove wood timbers and build concrete walls on each side to replace the wood timbers

\$1,750,000

Cost and community push back would reject this project

Acquire additional land to increase the width of the culvert and replace one side with new wood timbers

\$2,500,000 - \$4,000,000

Cost and resident push back would reject this project

Progress Report (for plan maintenance)

Date of Status Report:

Report of Progress:

Update Evaluation of
the Problem and/or
Solution:

1



Instructions

(Name of Jurisdiction) _____

NYS DHSES Action Worksheet			
Project Name:	Each action must have a unique project number referenced here and in the Action Tables.		
Project Number:	Each action must have a unique project name referenced here and in the Action Tables.		
Risk / Vulnerability			
Hazard of Concern:	Identify the hazard being addressed with this action.		
Description of the Problem:	Provide a detailed narrative of the problem. Describe the natural hazard you wish to mitigate, its impacts to the jurisdiction, past damages and loss of service, etc. Include the street address of the property/project location (if applicable), adjacent streets, and easily identified landmarks such as water bodies and well-known structures, and end with a brief description of existing conditions (topography, terrain, hydrology) of the site.		
Action or Project Intended for Implementation			
Description of the Solution:	Provide a detailed narrative of the solution. Describe the physical area (project limits) to be affected, both by direct work and by the project's effects; how the action would address the existing conditions previously identified; proposed construction methods, including any excavation and earth-moving activities; where you are in the development process (e.g., are studies and/or drawings complete), etc., the extent of any analyses or studies performed (attach any reports or studies).		
Is this project related to a Critical Facility?		Yes <input type="checkbox"/>	No <input type="checkbox"/>
(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)			
Level of Protection:	Identify the level of protection the proposed project will provide. Ex. 100-year (1%) flood.	Estimated Benefits (losses avoided):	Identify the benefits that implementation of this project will provide. If dollar amounts are known, include them. If dollar amounts are unknown or are unquantifiable, describe the losses that will be avoided.
Useful Life:	Identify the number of years the project will provide protection against the hazard.		
Estimated Cost:	Identify all estimated costs associated with implementation.		
Plan for Implementation			
Prioritization:	Identify the priority based on the prioritization method agreed upon.	Desired Timeframe for Implementation:	Identify the desired start time for this project. Ex. Within 6 months.
Estimated Time Required for Project Implementation:	Provided the estimated time required to complete the project from start to end.	Potential Funding Sources:	Multiple sources of potential funding should be listed when appropriate.
Responsible Organization:	Identify the name of a department or agency responsible for implementation, not the jurisdiction.	Local Planning Mechanisms to be Used in Implementation, if any:	Consider the use of local planning mechanisms that will be used to implement this project.
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	No Action	\$0	
	Alternative 1 Brief Description		Include a description of pros/cons of Alternative 1.
	Alternative 2 Brief Description		Include a description of pros/cons of Alternative 2.
Progress Report (for plan maintenance)			
Date of Status Report:	This section should be completed during plan maintenance/evaluation.		
Report of Progress:	Describe what progress, if any, has been made on this project. If it has been determined the jurisdiction no longer wishes to pursue implementation, state that here and indicate why.		
Update Evaluation of the Problem and/or Solution:	Provide an updated description of the problem and solution, and what has happened since initial consideration/development.		

Nassau County Multi-Jurisdictional Hazard Mitigation Plan

Name of Jurisdiction: Village of Muttontown

NYS DHSES Action Worksheet			
Project Name:	Catch Basin Midlane South		
Project Number:	VMTT_1		
Risk / Vulnerability			
Hazard of Concern:	Flooding		
Description of the Problem:	Midlane South is an old country road with minimal catch basins that are not sufficient, The shoulder and roadway becomes obstructed by soil, debris and gravel. Even with regular maintenance of the upstream catch basins this area of the road has been restricted several times in recent years due to storm events. These repeating events have strained the roadway requiring more frequent maintenance/repair/cleanup.		
Action or Project Intended for Implementation			
Description of the Solution:	Install a number of catch basins with a connecting piping system at several points along Midlane South from Knollwood Lane to Ridge Road. Additionally this will also help the environment by filtering the roadway debris from entering the waterways.		
Is this project related to a Critical Facility?		Yes	No <input checked="" type="checkbox"/>
(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)			
Level of Protection:	Mitigate flooding in 50-year storm	Estimated Benefits (losses avoided):	\$150,000 savings in maintenance and road cleanup over the next 25 years
Useful Life:	25 years		
Estimated Cost:	\$75,000		
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	ASAP
Estimated Time Required for Project Implementation:	3-4 Weeks	Potential Funding Sources:	Seek grant Funding from State via our State Senator/ Seek funding via FEMA Hazard Mitigation Assistance Program
Responsible Organization:	Village of Muttontown	Local Planning Mechanisms to be Used in Implementation, if any:	In house staff and Village Engineering firm
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	No Action	\$0	Ongoing flooding and continued maintenance costs
	Rebuild the roadway	\$500,000	Cost and community push back would reject this project
	Build a wall to prevent water from reaching this roadway	\$800,000	Cost and local resident push back would reject this project
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			

Instructions

(Name of Jurisdiction) _____

NYS DHSES Action Worksheet			
Project Name:	Each action must have a unique project number referenced here and in the Action Tables.		
Project Number:	Each action must have a unique project name referenced here and in the Action Tables.		
Risk / Vulnerability			
Hazard of Concern:	Identify the hazard being addressed with this action.		
Description of the Problem:	Provide a detailed narrative of the problem. Describe the natural hazard you wish to mitigate, its impacts to the jurisdiction, past damages and loss of service, etc. Include the street address of the property/project location (if applicable), adjacent streets, and easily identified landmarks such as water bodies and well-known structures, and end with a brief description of existing conditions (topography, terrain, hydrology) of the site.		
Action or Project Intended for Implementation			
Description of the Solution:	Provide a detailed narrative of the solution. Describe the physical area (project limits) to be affected, both by direct work and by the project's effects; how the action would address the existing conditions previously identified; proposed construction methods, including any excavation and earth-moving activities; where you are in the development process (e.g., are studies and/or drawings complete), etc., the extent of any analyses or studies performed (attach any reports or studies).		
Is this project related to a Critical Facility?		Yes <input type="checkbox"/>	No <input type="checkbox"/>
(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)			
Level of Protection:	Identify the level of protection the proposed project will provide. Ex. 100-year (1%) flood.	Estimated Benefits (losses avoided):	Identify the benefits that implementation of this project will provide. If dollar amounts are known, include them. If dollar amounts are unknown or are unquantifiable, describe the losses that will be avoided.
Useful Life:	Identify the number of years the project will provide protection against the hazard.		
Estimated Cost:	Identify all estimated costs associated with implementation.		
Plan for Implementation			
Prioritization:	Identify the priority based on the prioritization method agreed upon.	Desired Timeframe for Implementation:	Identify the desired start time for this project. Ex. Within 6 months.
Estimated Time Required for Project Implementation:	Provide the estimated time required to complete the project from start to end.	Potential Funding Sources:	Multiple sources of potential funding should be listed when appropriate.
Responsible Organization:	Identify the name of a department or agency responsible for implementation, not the jurisdiction.	Local Planning Mechanisms to be Used in Implementation, if any:	Consider the use of local planning mechanisms that will be used to implement this project.
Three Alternatives Considered (including No Action)			
Alternatives:	<i>Action</i>	<i>Estimated Cost</i>	<i>Evaluation</i>
	No Action	\$0	
	Alternative 1 Brief Description		Include a description of pros/cons of Alternative 1.
	Alternative 2 Brief Description		Include a description of pros/cons of Alternative 2.
Progress Report (for plan maintenance)			
Date of Status Report:	This section should be completed during plan maintenance/evaluation.		
Report of Progress:	Describe what progress, if any, has been made on this project. If it has been determined the jurisdiction no longer wishes to pursue implementation, state that here and indicate why.		
Update Evaluation of the Problem and/or Solution:	Provide an updated description of the problem and solution, and what has happened since initial consideration/development.		