



# POTENTIAL PROJECTS – VILLAGE OF LINDENHURST

*As a result of the work conducted by the Village of Lindenhurst Community Reconstruction Program Committee as well as public input gathered at the first public engagement meeting (October 1, 2013) a list of potential projects has been identified. This list represents an initial effort by the Committee to identify projects that could improve the Community’s resiliency over time. The Committee will continue to update, refine add to and possibly eliminate projects from this list over the next several months based on their deliberations as well as public input. Projects preliminarily identified to date include:*

## **Lindenhurst Village South Storm Water Drainage System Improvements**

**Project Category:** *Infrastructure*

**Project Location:** *Areas located between Montauk Highway and the bayfront in the southern section of the Village of Lindenhurst.*



**Project Description:** *Develop plans/designs and implement improvements to the storm water drainage system south of Montauk Highway. This area sees frequent flooding due to the backup of the storm water drainage system facilities during storms, high tides and rainfall events. These events happen on a regular and reoccurring basis. This project would investigate opportunities for expanding the capacity of the system, raising roadways and associated storm water drainage system facilities, relocating or improving outfalls, the installation and ongoing maintenance of backflow preventers, etc. Priorities would be established as to the locations in most need of improvements and a long-term program of upgrading the facilities would be initiated.*

**Project Benefits:** *This potential project could ameliorate storm water drainage system backup in this largely residential section of the Village of Lindenhurst. This area experiences frequent flooding due to numerous high tide events and storms. There is currently little elevation differences between the sewer inlets and the existing outfalls causing sewers to backup as the elevation of the water surface in the bay exceeds the height of the outfalls. Additional consideration would be given to the use of backflow preventers and enhanced maintenance for backflow preventers.*

**Implementation Timeline:** *Plans for improvements could be developed in the short to mid time frame, with some improvements implemented during this period as well. The entire program could be implemented in the mid to long time frame.*



**Next Steps:** *As Strategies and Projects are refined, the Committee will begin to prioritize potential projects. Once a firm direction is established a more detailed feasibility assessment, scope and funding strategy for the project will be developed along with potential costs. A cost benefit analysis will be undertaken and based on the outcome as well as it's comparison to other potential projects, the Committee will determine whether to proceed with this project or not.*

**Shore Road Waterfront Park Natural Systems Resiliency Improvements**

**Project Category:** *Infrastructure/Natural Resources*

**Project Location:** *Bayfront Area Adjoining Shore Road Park*



**Project Description:** *Plan for, design, and implement storm resiliency improvements in the area at the southern tip of Shore Road Park. This location is one of the few remaining public, un-bulkheaded sections of the bayfront. This area is underutilized and could be improved with natural features to reduce flooding and wave action during storm events. This area would be a candidate to implement a more natural bank stabilization technique called “Living Shorelines.” This approach uses plants, sand, and limited use of rock to provide shoreline protection and maintain habitat. Opportunities to improve this area with publicly accessible park space that emphasizes the Villages connection to the bayfront would be explored.*

**Project Benefits:** *This potential project could ameliorate storm surge intrusion and reduce the effects of wave action within Shore Road Park as well as the immediate surrounding residential area. The opportunity also exists to do this in a manner that emphasizes natural features and systems such as dunes and tidal wetlands so as to improve sustainability and create natural areas. Additionally this could be done in a manner that encourages public use of the resources, providing direct access to the bay and the nearby Indian Island County Park. Direct links to this facility could be improved within the adjoining Shore Road Park.*

**Implementation Timeline:** *Plans for this project could be developed within a 12 month to 18 month timeframe, while the actual implementation of this improvement is projected to take two to three years due to environmental permitting requirements.*

**Next Steps:** *As Strategies and Projects are refined, the Committee will begin to prioritize potential projects. Once a firm direction is established a more detailed feasibility assessment, scope and funding strategy for the project will be developed along with potential costs. A cost benefit analysis will be undertaken and based on the outcome as well as its comparison to other potential projects, the Committee will determine whether to proceed with this project or not.*



**Village of Lindenhurst Vehicle Refuge, Public Parking, and Economic Development Plan**

**Project Category:** *Community Planning and Capacity Building/Economic Development*

**Project Location:** *The project could be located in the Wellwood Avenue and Hoffman Avenue business districts. An initial location below the elevated LIRR structure has been suggested for further investigation.*



**Project Description:** *Develop a plan for and implement the acquisition, design and construction of an area, outside the extreme and high-risk areas, that could serve as temporary storage for vehicles that are normally kept at resident’s homes and businesses south of Montauk Highway. This area would serve as a temporary storage for these vehicles during times of potential flooding. A system of transporting people to and from this location should also be developed during the planning phase. This facility could also serve as needed public parking or programmable open space when not needed as temporary parking. A potential location identified by the Community is the location below the elevated LIRR structure, which is to a large degree unimproved. This is along Hoffman Avenue and would potentially serve the central business district of the Village. In tandem with this effort, a plan should be developed that focuses on economic development opportunities for the downtown area especially in relation to the existing parking shortage in the Village between John Street and Oaks Avenue. This project would require coordination with the LIRR and the MTA in order to utilize this property.*

**Project Benefits:** *Given the frequent flooding south of Montauk Highway, locations that allow a safe and dry area for residents to store their vehicles are needed. The ability for residents to utilize their vehicles for work, school and other uses is critical to the economic and social well-being of the Village. Centralized locations could be acquired and designated for emergency vehicle storage. When not needed for this purpose, these locations could serve the Community to supplement already deficient parking conditions. These spaces could also serve as staging areas or venues for periodic events such as farmers markets or street fairs. Transportation, in the form of a shuttle bus system would need to be investigated in order to connect residents with this temporary source of vehicle storage.*

**Implementation Timeline:** *Planning and design for this potential project could be completed within six months. The actual implementation of the project would extend into the mid-term, especially in the case of properties that require acquisition or if negotiations with the LIRR/MTA are required.*



**Next Steps:** *As Strategies and Projects are refined, the Committee will begin to prioritize potential projects. Once a firm direction is established a more detailed feasibility assessment, scope and funding strategy for the project will be developed along with potential costs. A cost benefit analysis will be undertaken and based on the outcome as well as it’s comparison to other potential projects, the Committee will determine whether to proceed with this project or not.*

**Bayfront to Village Center Complete Streets, Resiliency, and Cultural Heritage Corridor**

**Project Category:** *Infrastructure/Natural and Cultural Resources/Economic Development*

**Project Location:** *Shore Road, South Broadway, South Wellwood Avenue and portions of Montauk Highway*



**Project Description:** *Plan for the designation, design and implementation of a system of evacuation roadways that would allow unimpeded access from the bay to the Village’s central business district. At a minimum, this should include Shore Road, South Broadway, South Wellwood Avenue and the portions of Montauk Highway between South Broadway and South Wellwood Avenue. This system of roadways would provide a vital link to residents and businesses in the critical and high risk areas, allowing them to access goods and services at the center of the Village as well as points beyond in adjoining towns and New York City. Additionally, these routes could provide access for life safety providers during times of emergency. These roads would be upgraded to insure that they remained flood free. This will entail the raising of roads at critical locations as well as improvements to the storm water drainage system as well as utilities located within the roadways. These roads should be designed in accordance with the “complete streets” policy and should utilize green infrastructure to maximize storm water storage and treatment.*

*This system of roadways will also function as a critical economic development link between the waterfront and the CBD. A system of roadways with enhanced streetscape treatments and signage will provide a direct physical link to the waterfront for vehicles, pedestrian and bicycles. This link will also allow for the joint marketing of the CBD in unison with the waterfront. This waterfront link will be utilized as a business marketing device to reinforce the livability of the Village with a focus on its waterfront history and heritage. Key locations along the route could be marked with distinctive features and signage. Zoning and development codes and policies could be revised to reinforce appropriate development along this corridor.*

**Project Benefits:** *This potential project has the ability to provide benefits in a number of areas for the Village of Lindenhurst. The value of an unimpeded system of emergency access and evacuation routes cannot be overstated. Also the benefit of improved storm drainage facilities along this route could ameliorate flooding for*



*nearby residents and businesses. This could be done in conformance with the New York State accepted policy of complete streets, especially in regard to the utilization of green infrastructure and storm water drainage system upgrades. Finally, this project has the potential to create an economic development incentive for adjoining properties by physically linking the Villages greatest resource, the bayfront, to its CBD.*

**Implementation Timeline:** *The initial planning and design for this project can be completed within one to two years year with the implementation of the larger project occurring over a two to four year time frame.*

**Next Steps:** *As Strategies and Projects are refined, the Committee will begin to prioritize potential projects. Once a firm direction is established a more detailed feasibility assessment, scope and funding strategy for the project will be developed along with potential costs. A cost benefit analysis will be undertaken and based on the outcome as well as it’s comparison to other potential projects, the Committee will determine whether to proceed with this project or not. Given the work that the Village has already undertaken in preparing its Draft Local Waterfront Revitalization Plan, this plan can be revised to incorporate this project.*

**Neguntatogue Park Natural Systems Resiliency Improvements**

**Project Category:** *Natural and Cultural Resources*

**Project Location:** *Neguntatogue Park just north of Montauk Highway*



**Project Description:** *Develop plan and designs and implement improvement to Neguntatogue Park in a manner that emphasizes the natural environment and utilizes green infrastructure while allowing for the storage and attenuation of storm water. This currently undeveloped Village property of approximately seven acres, lies just north of Montauk Highway and near the terminus of a major canal. This location is within extreme and high risk flood areas. This location along Montauk Highway flooded during Superstorm Sandy preventing access to points east and west including Good Samaritan Hospital. The expansion of the flood storage capacity at this location in combination with a public open space that emphasizes natural and sustainable systems could ameliorate local flooding and provide recreational opportunities for the community. Since the property is already Village-owned, no property acquisition is necessary.*

**Project Benefits:** *This potential project would have the benefit of providing local flood control through the storage and retention of storm water as well as potentially improving water quality. The project would alleviate flooding along a crucial stretch of Montauk Highway which provides access to Good Samaritan Hospital. This would also have the benefit of increasing public access to an undeveloped park that could be designed to emphasize the natural environment and local habitat.*



**Implementation Timeline:** *An initial plan and design for this facility could be developed in a 12 to 18 month time-frame with the actual implementation of the facility taking an additional two to three years to implement.*

**Next Steps:** *As Strategies and Projects are refined, the Committee will begin to prioritize potential projects. Once a firm direction is established a more detailed feasibility assessment, scope and funding strategy for the project will be developed along with potential costs. A cost benefit analysis will be undertaken and based on the outcome as well as it's comparison to other potential projects, the Committee will determine whether to proceed with this project or not.*

**Assemble Underutilized Properties and Improve Natural Systems to Improve Storm Resiliency and Increase Public Open Space**

**Project Category:** *Community Planning and Capacity Building/Natural Resources*

**Project Location:** *Areas located between Montauk Highway and the bayfront in the southern section of the Village of Lindenhurst*



**Project Description:** *As a result of Superstorm Sandy a number of properties south of Montauk Highway have gone vacant and are currently underutilized. This condition is negatively affecting neighborhood stability and cohesion. This potential project contemplates developing a plan and designs for the identification, acquisition, management, maintenance and reuse of abandoned, underutilized and bought-out properties south of Montauk Highway. The plan should identify opportunities for the assemblage of these properties into larger parcels. The plan should focus on the reuse of these properties as Village open space. The properties should be developed in a manner that emphasizes sustainability and natural ecosystems. Opportunities for the use of natural systems to ameliorate the effects of flooding and wave action should be explored and implemented. The plan and designs should identify the specific reuse design, cost of acquisition, development and maintenance of these properties.*

**Project Benefits:** *This project would benefit the individuals who currently own these vacant properties through their public acquisition as well as the immediate neighborhoods who would benefit from the removal of these structures and their replacement with public open space.*

**Implementation Timeline:** *This planning phases of this project could initially be undertaken in a six to 12 month period with the implementation of the plan occurring over the mid- to long-term.*



**Next Steps:** *As Strategies and Projects are refined, the Committee will begin to prioritize potential projects. Once a firm direction is established a more detailed feasibility assessment, scope and funding strategy for the project will be developed along with potential costs. A cost benefit analysis will be undertaken and based on the outcome as well as it's comparison to other potential projects, the Committee will determine whether to proceed with this project or not.*

**Village of Lindenhurst Comprehensive Harbor Management Plan**

**Project Category:** *Community Planning and Capacity Building*

**Project Location:** *Village of Lindenhurst bayfront and canals*

**Project Description:** *The creation of a Comprehensive Harbor Management Plan for the Village of Lindenhurst would advance the recommendations of the recently created Local Waterfront Revitalization Plan (LWRP) as well as the recommendations of the South Shore Estuary Reserve (SSER) Plan. The Plan would provide for the comprehensive management of the waterfront, the canals and the adjoining bay. Specific policies, implementation strategies and enforcement mechanisms could be identified and created that would apply to these areas and could include topics related to flood prevention, bulkhead replacement and maintenance, dredging, water quality, open space, waterfront related businesses and tourism and the health and maintenance of the natural shore line and its associated features. The potential exists for this project to be regional in nature through the incorporation of the adjoining NYRCR planning areas in the Village of Amityville/Copiague and the Village of Babylon/West Babylon.*



**Project Benefits:** *This potential project has the benefit of providing a comprehensive and coordinated approach to the community's waterfront, allowing for the issues specific to this location to be a primary focus. This project can also be undertaken in tandem with other resiliency related projects which could easily fall under the umbrella of the Harbor Management Plan*

**Implementation Timeline:** *This project could be completed within 6 months to one year with recommendations from the plan implemented over the short, mid and long term future.*

**Next Steps:** *As Strategies and Projects are refined, the Committee will begin to prioritize potential projects. Once a firm direction is established a more detailed feasibility assessment, scope and funding strategy for the project will be developed along with potential costs. A cost benefit analysis will be undertaken and based on the outcome as well as it's comparison to other potential projects, the Committee will determine whether to proceed with this project or not. Given the work that the Village has already undertaken in preparing its Draft Local Waterfront Revitalization Plan, this plan can be revised to incorporate this project.*