



Project Profiles for Monroe Region

Other Planning Committee Projects – Private




ICONS/ACRONYMS FOR MONROE REGION


-  Project location
-  Project owner
-  Approximate cost


Acronym	
I&I	Infiltration and Inflow
NEC	National Electric Code
NTS	Not to Scale
WWPS	Wastewater Pump Station

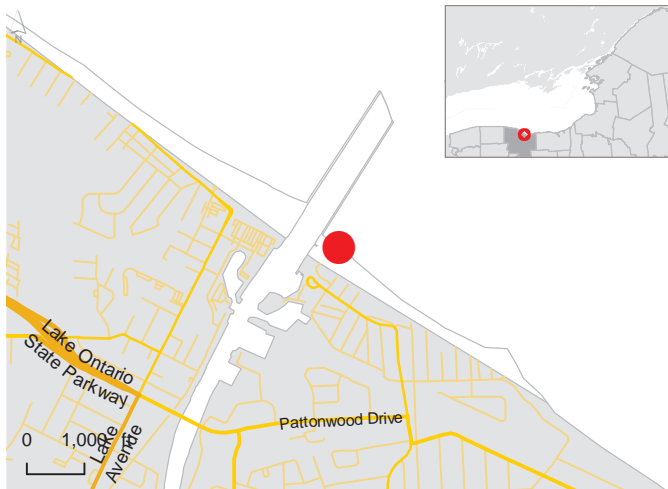
WESTAGE AT THE HARBOR

This project seeks to address recurring flooding at Westage at the Harbor, a condominium community located at the end of St. Paul Blvd. on Lake Ontario. One hundred and sixty three of the 182 units have been impacted by floods, resulting in structural issues, groundwater issues, sewage backups, overall flooding/erosion issues at complex, and breakwall and garage damage.

 **Town of Irondequoit,
Monroe County**

 **Private**

 **355,000**



Westage at the Harbor

Mitigation Measures

Proposed mitigation measures in the project will consist of:

- Installing shoreline stabilization measures along the north side
- Repairing the existing shoreline stabilization measures, which has been undermined
- Installing groundwater/sumps and storm conduit
- Modifying the sanitary system in the parking lot

Public Support and Asset Owner

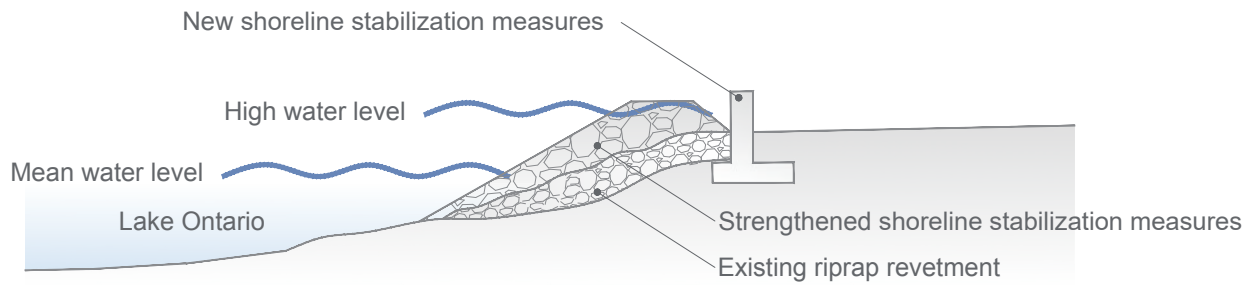
Public support is moderate. Multiple stakeholders are engaged and input was obtained. The asset owner is private.

Permitting and Feasibility

This project is considered highly feasible due to preparation and planning on behalf of the facility and the type of improvements recommended. A permit to construct will be required for the proposed measures along the lakeshore to supplement existing shoreline stabilization. Multi-jurisdictional permit review is needed.

Benefits

Installation of shoreline stabilization measures will protect the residences from damage by waves and flooding. The sewer modification will protect public health by minimizing the number of overflows caused by the inundation.



New shoreline stabilization and strengthening of existing measures (Principle sketch, NTS)

Flexibility

The variety of solutions for mitigating the flooding allows for design flexibility. The elements of the measure can be adjusted to provide the greatest protection available. The sewer alignment will be developed for a long-term expandable strategy. Alternatives can be evaluated during the design process to determine the most sustainable and resilient design.

Durability

This project will increase the durability of the existing seawalls and the structure of the condominium. Modifying the sanitary sewer system will reduce infiltration and inflow (I&I) influence on the Summerville wastewater pump station (WWPS).

Economic Development Potential

This project would help preserve property values. An estimated \$500,000 has been lost due to damage.

Environmental Considerations

The project will avoid adverse environmental impacts. It will limit the amount of construction taking place in the lake and use sustainable practices.

Alternatives Considered

No action.

PRIVATELY OWNED BUSINESSES, REGIONAL DOCKS, AND BOAT LAUNCHES

Towns of Irondequoit, Penfield, and Webster; City of Rochester

Mitigation Measures

Proposed mitigation measures for these projects will require some or all of the following improvements:

- Replacing fixed elevation docks with floating docks and slips, inclusive of anchorage and posts to restrict horizontal dock movement
- Relocating fuel pumps and fuel tanks to a higher elevation to protect against rising lake levels
- Modifying dock electrical services in tandem with floating docks and/or relocation of facility infrastructure affected by rising water levels
- Raising elevation of permanent structures close to the waters' edge and at elevations below anticipated high water levels
- Installing shoreline stabilization measures at water's edge, in some cases, extending height of existing infrastructure to higher elevation

The attached table summarizes projects located in the Monroe region.

Public Support and Asset Owner

Public support is high. These facilities provide substantial economic impact to the area in the form of jobs, tax revenue, recreation, and tourism. In many shoreline communities, these assets are at the core of community identity. The asset owners are private.

Permitting and Feasibility

These projects are considered moderately to highly feasible due to the type of improvements. Work will only be conducted in areas that have already been improved. Multi-jurisdictional permit review is needed.

 Monroe County

 Private

 8,281,000

Benefits

Proposed shoreline stabilization measures will be designed to protect localized infrastructure from flooding and damage due to debris, ice, and waves experienced under current conditions. Relocating marine fueling facilities to a higher elevation will further reduce the potential of spillage into waterways.

Flexibility

The final project components will be determined during design and tailored for each facility. All electrical work will be completed in accordance with National Electric Code (NEC), building modifications in accordance with local building codes and shoreline stabilization measures constructed of materials locally available and in alignment with project funding.

Durability

Infrastructure improvements will be in accordance with national and local codes and generally will have a 30-year design life. Shoreline stabilization measures will be based on the selected site-specific design guidance and will typically last 30-40 years and be low maintenance.

Economic Development Potential

Recreational boating is of high value to Monroe County, and per 2014 data results in an approximate annual direct spending of \$16.3 million for slip rental, launch lanes, and charter boats. Translated into 2019 dollars, this value likely exceeds \$18 million when inflation, fuel sales, boat repairs, and restaurants are included.

Monroe County Mitigating Projects – Privately Owned Businesses, Regional Docks, and Boat Launches				
County	Municipality	Asset	Quantity of Slips	Total Project Cost
Monroe	City of Rochester	Genesee Yacht Club	120	\$1,690,000
Monroe	City of Rochester	Shumway Marine	180	\$738,000
Monroe	City of Rochester	Rochester Yacht Club	170	\$3,310,000
Monroe	City of Rochester	Voyager Marine/HB	110	\$1,080,000
Monroe	Town of Penfield	Southpoint Marina	310	\$250,000
Monroe	Town of Webster	Mayers Marina	300	\$350,000
Monroe	Town of Irondequoit	Silk O'Loughlin's	NA	\$121,000
Monroe	Town of Penfield	MacMillan Marine	NA	\$742,000
				\$8,281,000

Environmental Considerations

Projects will avoid causing harm to adjacent properties through careful design of shoreline stabilization measures. Construction will follow appropriate standards and permit requirements.

Alternatives Considered

Designs should consider adjacent publicly funded projects.

