A1: Green Infrastructure Community Master Plan

Provide funding for locally-specific Green Infrastructure Master Plan as a component of NYC DEP's larger southeast Queens green infrastructure study.

The plan should:

• Emphasize *interagency coordination*.  
• Evaluate the potential for stormwater capture on both *public and private properties*.  
• Identify *critical gaps in stormwater management* that are not addressed by ongoing and planned infrastructure projects in the area.

**Project Type:** Study  
**Cost Estimate:** $500,000
A1a: Brookville Park Pond Restoration

**Phase I**
Dredge northern section of Brookville Park Pond and restore riparian plantings.

**Phase II**
Dredge stream corridor and restore stream bank connecting northern and southern sections of the Pond.

**Phase III**
Dredge southern section of the Pond and restore riparian plantings.

**Project Type:** Study

**Cost Estimate:**
Phase I: $860,000
Phase II:
Phase III:
A1b: Community Gateway Green Streets

Construct right-of-way (ROW) bioswales at key community gateways to increase stormwater retention and treatment, while improving the streetscape, fostering a sense of place, and supporting local business growth.

Project would include construction of bioswales, rain gardens, planting of new street trees, and stormwater tree pits at the following locations:

1. Francis Lewis Boulevard between 248th Street and Brookville Boulevard.
2. 225th Street between South Conduit Boulevard and 145th Road.
3. Crossroads of Farmers Boulevard and Guy Brewer Boulevard.

**Project Type:** Implementation

**Cost Estimate**
- Total Project: $2,900,000
- Project 1: $1,150,000
- Project 2: $900,000
- Project 3: $1,100,000

Note: The Committee can choose to implement all three projects or any combination of 1-2 projects. The Total Project cost is less than the sum of the three individual projects due to cost efficiencies gained by combining project administration fees and contract support.
A1b: Community Gateway Green Streets

Francis Lewis Boulevard between 248th Street and Brookville Boulevard
Rosedale

**Project Type:** Implementation

**Cost Estimate:** $1,150,000
### A1b: Community Gateway Green Streets

- **225th Street between South Conduit Boulevard and 145th Road, Brookville**
  - **Project Type:** Implementation
  - **Cost Estimate:** $900,000

- **Crossroads of Farmers Boulevard and Guy Brewer Boulevard, Springfield Gardens**
  - **Project Type:** Implementation
  - **Cost Estimate:** $1,100,000
A1c: Twin Pond Park Bluebelt Restoration

**Risk Reduction**

**Cost**

**Co-Benefits**

**Feasibility**

**Funding Availability**

**Existing Condition**

**Stream Restoration in Staten Island**

Restore riparian edges and construct bike path in conjunction with NYC DEP installation of stormwater outfalls at Twin Ponds Park.

**Project Type:** Study

**Cost Estimate:** $680,000

RIPARIAN RESTORATION = 3,040 SQ.FT.

RIPARIAN RESTORATION = 1,170 SQ.FT.
A1g: Green Infrastructure Pilot Project (School Green Roof and Raingarden)

Construct a green roof and raingarden at a public school location in the Community.

**Project Type:** Study

**Cost Estimate:** $1,250,000
A2: DEP Oyster Restoration in Thurston Basin

Support the proposed NYC DEP Oyster Restoration project in Thurston Basin.

Planning Committee can elect to commit any amount of funds to the project.

**Project Type:** Implementation

**Cost Estimate:** $250,000
Study the impacts of coastal defenses to protect the Community from tidal flooding at a regional scale.

Recommended projects could include:

- Constructing a berm along the Idlewild Park Preserve border to block storm surge.
- Constructing tide gates at Hook Creek.
- Installation of green infrastructure upland to reduce flow of stormwater into areas with low elevation.

**Project Type:** Study  
**Cost Estimate:** $465,000
**B1: Southeast Queens Disaster Preparedness and Response Plan**

**Phase I:**

Establish COAD.

Develop *Southeast Queens Disaster Preparedness and Recovery Plan*.

- Identify assets and vulnerabilities of local not-for-profit organizations.
- Identify potential locations for Resource and Recovery Centers.
- Establish communication between CBOs and NYC OEM.
- Training and education for CERT, COAD and residents.

**Phase II**

Implement selected Recommendations of the Disaster Response and Preparedness Plan

**Project Type:** Study

**Cost Estimate:** Phase I—$500,000; Phase II—$250,000
C1: Home and Business Owner Education and Technical Assistance Program

Provide education and technical assistance to the Communities’ homeowners and business owners on how to minimize flood damage, prevent sewer backflows, and on the benefits of permeable surfaces in reducing stormwater damage.

Establish a storefront resource center in the Community to provide educational materials.

Provide technical assistance in the form of counseling and on-site building audits performed by case managers.

**Project Type:** Implementation

**Cost Estimate:** $250,000
C2: Idlewild Watershed Communities Open Space Restoration Fund

Provide seed money to establish a self-sustaining fund to support supplemental, community-based maintenance and advocacy for parks, open space, and natural resources in the Community.

Three Key Objectives:

1. Provide resources for ongoing maintenance of existing parks for stormwater management and recreation.

2. Conduct volunteer training and development programs to encourage stewardship of the Community’s parks and open space.

3. Serve as an advocate for the Community’s natural resources and parklands by identifying additional funding sources and securing City resources to conduct improvements.

Project Type: Implementation

Cost Estimate: $500,000
D3: Study to Elevate Brookville Boulevard (Snake Road)

Study the feasibility of elevating the entire length of Brookville Blvd (Snake Road) through the Idlewild Park Preserve on a trestle to prevent flooding of the roadway and encourage the passage of intertidal waters through the surrounding wetlands.

**Project Type:** Study

**Cost Estimate:** $450,000
The proposed project would install generators at critical facilities to provide a more reliable power source during and after major storm events.

Critical facilities could include:

- Schools
- Senior Centers
- Medical facilities
- Emergency Resource Centers
- Rosedale Pumping Station

**Project Type:** Implementation

**Cost Estimate:** $1,000,000
Advocate to expand the "Go to High Ground" pilot created by the NYRCR Staten Island Committee. The Study would include:

- Wayfinding signage program.
- Study of potential locations for parking.
- Evaluation of the legal and regulatory barriers to such parking agreements.
- Conceptual design of the ‘Go to High Ground’ network.

**Project Type:** Implementation

**Cost Estimate:** $100,000