



GREEN STREETS | GREEN JOBS | GREEN TOWNS INITIATIVE

The Green Streets, Green Jobs, Green Towns Partnership (G3) aims to stimulate the green jobs market and enable families to work where they live and play. Small to mid-sized communities can boost their local economies and protect water resources through the use of watershed planning, design and construction of stormwater best management practices.



CAMBRIDGE GATEWAY GREEN INFRASTRUCTURE AND LONG WHARF PARK PROJECTS – CITY OF CAMBRIDGE, MD

Cambridge plans a green street project on highly visible Route 50 and the greening of the City's main waterfront park

The City of Cambridge has initiated a series of green infrastructure projects supported through the G3 program. First, the City and the Eastern Shore Land Conservancy (ESLC) partnered in an effort to improve the entry into the city and treat the stormwater originating from the main thoroughfare into downtown, Maryland Avenue. Through community engagement in the design process, the Cambridge Gateways Report, a guide for the revitalization of Maryland Avenue, was produced.

program, its largest to date. Green infrastructure installation in Long Wharf Park, 7.25 acres fronting the Choptank River, provides the City a unique opportunity. The City in partnership with the University of Maryland Landscape Architecture students prepared preliminary concept designs in the Fall of 2012. As part of this project, 3.5 acres of pavement will be either treated or removed using practices that include tree box storm filters, rain gardens, and pervious paving.

The design for this project was completed in 2014, followed by the leveraging by the City of hundreds of thousands of dollars from other sources to construct the project. Construction will begin within the next year.

Building upon this greening success, the City pursued a second project through this program: The Greening of Long Wharf Park. This project was awarded a \$399560 grant from the G3



90% run off effective rate in a 2-inch rain event



20 local jobs supported



~20,000 ft² of rain gardens



300 native plants



50 trees



~ 1 acre of permeable pavement



~ 2 acres of impervious pavement removed



Long Wharf Park – pavement to be removed or treated



PROJECT ELEMENTS

- Impervious pavement removal** – Rain hits impervious surfaces such as parking lots at Long Wharf Park and roads like Maryland Avenue, and because it cannot permeate through, it instead runs off into storm drains or directly local waterways. Long Wharf Park contains 3.5 acres of parking lots that drain directly into the adjacent Choptank River. The unnecessary area of this parking lot will be removed and planted with native vegetation.
- Conservation landscaping** – Native plants, which require less maintenance, capture rainwater and hold soils in place. This practice will be used at both sites.
- Permeable pavement** – Permeable pavement allows stormwater to soak into the ground. Some of the parking area that will be retained at Long Wharf Park will be replaced with permeable pavement. Some of the area of Maryland Avenue will be replaced with permeable pavement.
- Bioretention cells** – These features filter and reduce stormwater runoff, allowing it to infiltrate into the ground before it enters into the storm drain system. Runoff from impervious surfaces that cannot be altogether removed or replaced with permeable pavement will be treated with this practice.
- Green Jobs and Engagement of local businesses** – Local management firms, construction firms, and suppliers were used to complete the project, supporting local jobs. In addition, the site has been used to train young people seeking jobs in the stormwater realm.
- Educational signage** – Signage educates visitors throughout the sites about the various stormwater practices and features on the grounds

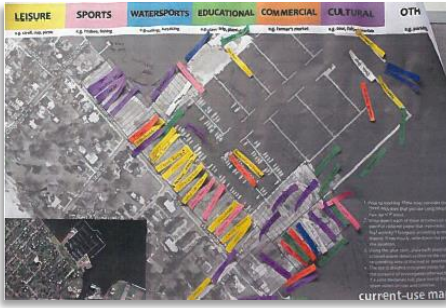
G3 Grant Awarded – Maryland Ave: \$75,000
 G3 Grant Awarded – Long Wharf Park: \$399,560
 Match Contribution: \$287,000
 Status:
 Maryland Ave: completed;
 Long Wharf Park: design underway



SUSTAINABILITY & GROWTH: ADDITIONAL GREEN ACTIVITIES

This grant program has jump started the City of Cambridge’s greening efforts, providing a design grant for an ambitious project for which the City has been able to leverage hundreds of thousands of additional dollars from other sources to implement. Their first green block, the first block into town from Route 50 on Maryland Avenue, was constructed in the fall of 2014. A second grant from the G3 program will help design and implement a large project at Long Wharf Park to remove impervious surface.

In addition, the City is in the process of implementing a Community Greening effort through a grant received in late 2012. In cooperation with Washington College’s Center for Environment and Society program, the city is undertaking a survey of the core area’s tree coverage and health to determine where to best plant additional tree resources. The goal of the City is to eventually achieve a 40% coverage rate. As part of this grant effort, a forest conservation plan will be developed and the city hopes to partner with school and other non-profit agencies to plant approximately 50 trees in disadvantaged parts of the community. This activity complements past volunteer efforts to plant approximately 40-60 trees in the downtown area and along the gateway streets of Maryland Avenue and Cedar Street.



Project Partners: University of Maryland, Lane Engineering, Eastern Shore Land Conservancy, National Fish and Wildlife Foundation, Chesapeake Bay Trust, MD Department of Natural Resources, U.S. Environmental Protection Agency