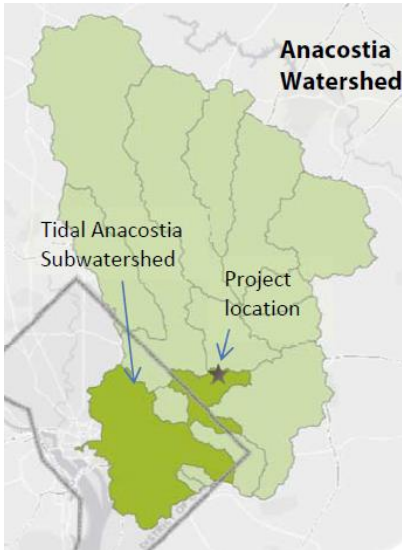




## GREEN STREETS | GREEN JOBS | GREEN TOWNS INITIATIVE

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.



### Bladensburg Green Street Initiative: Financing and Green Jobs Analysis; Library Design Project

An assessment to evaluate the economic benefits of transforming Bladensburg's main street into a green street and design one element.

Much of Bladensburg was developed prior to the adoption of modern stormwater and floodplain management regulations. Limited stormwater controls combined with a relatively high percentage of impervious surfaces and a low percentage of tree and forest coverage have resulted in very poor water quality for this area. Polluted runoff quickly makes its way to the Anacostia River when there's rain or snow melt.

analysis of the economic impact of the project, including job creation .

Next, the Town embarked on a community-wide impervious surfaces study to identify priority sites and create basic designs that could be used to promote green surfaces (roofs, parking lots and streets). The process would include community charettes, outreach materials, and four basic designs.

Finally, one specific site was chosen for further design. The project included the development of a concept plan for the reconstruction of the Town Library as a Green Infrastructure and LID demonstration and education site.

In October 2010, the Town of Bladensburg held a one-day workshop or "charette" where town residents, members of the business community, the Maryland State Highway Administration, and local and regional experts met to brainstorm issues, concerns and opportunities related to creating a green street along MD 450/Annapolis Road.



This workshop blossomed into several additional efforts, all funded through the G3 Initiative. First, the Town completed a detailed financing strategy for the construction of a major green street project. The plan will include an



Over 100 people engaged



3,000 native plants



12,000 sf rain garden



80 trees



# PROJECT ELEMENTS

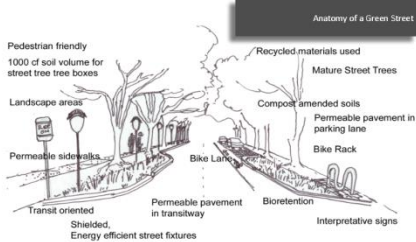
- **Permeable pavement** – Permeable pavement allows stormwater to soak into the ground. Several different kinds of permeable pavement are used at this site, allowing visitors to compare and contrast options for their own use.
- **Conservation landscaping and gardens** – Native plants, which require less maintenance, capture rainwater and hold soils in place.
- **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.
- **Increased Urban Tree Canopy**– In urban areas a single tree can intercept from 500 to 4,000 gallons per year. Even young, small trees help, capturing 50 gallons per year. Trees not only treat stormwater, they provide a host of other benefits, including energy cost reduction in both summer (shade) and winter (proper placement can result in the reduction of energy use by 20-50%), aesthetics, property value enhancement, business traffic enhancement, and health benefits.
- **Soil amendment**– Soil amendments improve water infiltration, permeability, drainage, aeration, and structure.

G3 Grant Awarded: \$20,000  
 Match Contribution: \$4 million  
 Status: White paper- completed;  
 Green street- in design



# SUSTAINABILITY & GROWTH: ADDITIONAL GREEN ACTIVITIES

The State Highway Administration is now a key partner in the Town’s green infrastructure implementation process as a result of the Town’s continued leadership on the MD 450/Annapolis Road green street project. So far, the State has approved \$4 million in funding; \$1.3 million of this was generated from various partners for in-kind services. In Bladensburg, the community continues to move forward with its own efforts. The Town installed a new permeable paver system at its Town Hall site using community funds and is in the last stages of developing a green infrastructure community wayfinding project to target and connect green infrastructure projects throughout the community. Due to the Town’s continued efforts, they were honored by the State in 2013 with certification as a Sustainable Maryland Community.



Project Partners: Town of Bladensburg, Anacostia Watershed Society, Chesapeake Bay Trust, U.S. Environmental Protection Agency