

# Green Innovation Grant Program

**Project Title:** NYC DOT Porous Pavement Prototypes  
Testing & Evaluation  
**Grant Recipient:** New York City Department of Transportation  
**Location:** Queens County, NY  
**Green Infrastructure Practice:** Permeable Pavement  
**EFC Grant Amount:** \$1,200,000  
**Total Project Amount:** \$1,845,423

GIGP ROUND 4

*Projected Construction Start 04/2014*

## Project Description:

The NYC DOT will work with agency partners to design, construct and monitor new permeable pavement technologies in the Flushing Bay watershed in Queens, New York, an area which has been identified by the NYC Department of Environmental Protection as a targeted watershed to reduce stormwater runoff. This demonstration

project will provide valuable performance data to identify the permeable pavement type that is most effective in reducing stormwater runoff volume and velocity in an urban environment, and which is most cost-effective to implement on a larger scale.

The project will be constructed in the College Point neighborhood, a mixed-use area with interconnected streets, where stormwater runoff regularly leads to combined sewer overflows. The NYC DOT and its partners will design and install three permeable pavement design applications, which will be compared to standard asphalt and monitored to quantify the relative benefits and function.

The primary goal of the project is to identify the permeable pavement best suited to a complex urban streetscape. It is hoped, however, that the project will lead to the development of new technologies as well as new jobs in the field of permeable pavement technology.

*A satellite image shows a portion of the watershed for the NYC borough of Queens. The project site for the installation of permeable asphalt prototypes is shown at red circle, lower left.*

