



FACT SHEET

I-690 Downspout Disconnection

Project:	I-690 Downspout Disconnection Project
Project Owner:	NYS DOT/City of Syracuse
Project Location:	Various sites adjacent to I-690, Downtown Syracuse
Sewershed:	Clinton/Lower MIS
GI Technology:	Underground Infiltration, Bioretention Areas
Capture Area:	99,914 sq. ft.
Runoff Reduction:	2,017,000 gal/yr
Year Contracted:	2013
Construction Cost:	\$597,450
Prime Contractor:	John R. Dudley Construction

Project Description: The Interstate 690 (I-690) Downspout Disconnection Project was a creative reworking of the system collecting stormwater from the raised I-690 roadway as it passes through the Downtown Syracuse. The downspout piping was disconnected from the combined sewer system and redirected into underground infiltration and bioretention areas. There are six distinct project sites handling the runoff from the adjacent stretch of elevated roadway. Each of these six sites was designed to utilize pockets of available space without disrupting the pre-existing land use.

Bioretention areas were planted with a variety of plant species that greatly improve the aesthetics of the sites while allowing for the infiltration and evaporation of captured stormwater, preventing it from entering the combined sewer system. Underground infiltration trenches accomplish the same stormwater capture goals, but fit into sites with limited available space at ground level.

This project captures approximately 2,017,000 gallons per year, making it a valuable addition to Onondaga County's Save the Rain Program. The project is one of four Save the Rain projects that were funded in part by the New York State Environmental Facilities Corporation through their Green Innovation Grant Program (GIGP).



Example of a Disconnected Downspout



Constructed Bioretention Area at Site 5