



Stormwater Innovation Center

In Partnership With



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RESTORE AMERICA'S ESTUARIES

The Stormwater Innovation Center closely monitors 34 green infrastructure solutions to reduce stormwater contaminants from entering urban ponds and degrading water quality at Roger Williams Park in Providence, RI. The Center also conducts research, trainings, workshops, and public outreach on the vital importance of stormwater management using the various green infrastructure designs in this 427-acre city park. We provide municipal leaders and industry professionals the knowledge, experience, and support they need to confidently install and maximize the benefits from innovative stormwater and watershed management practices.

GREEN INFRASTRUCTURE

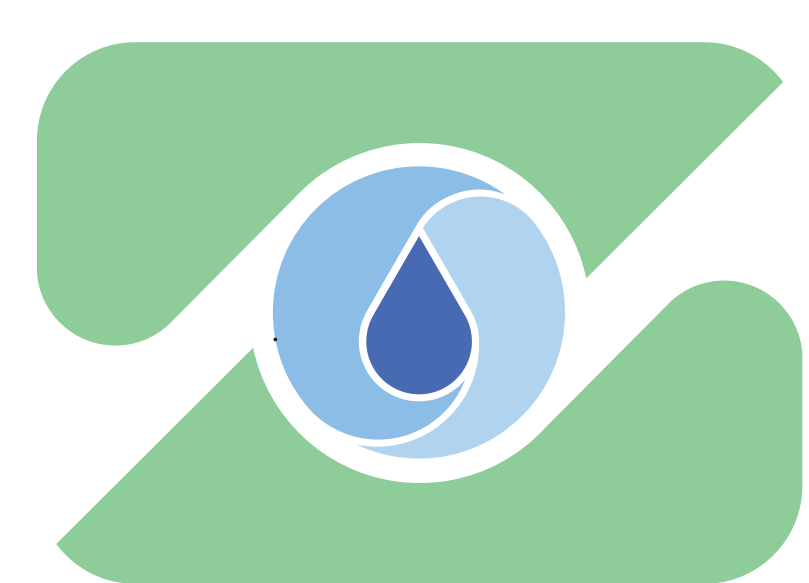
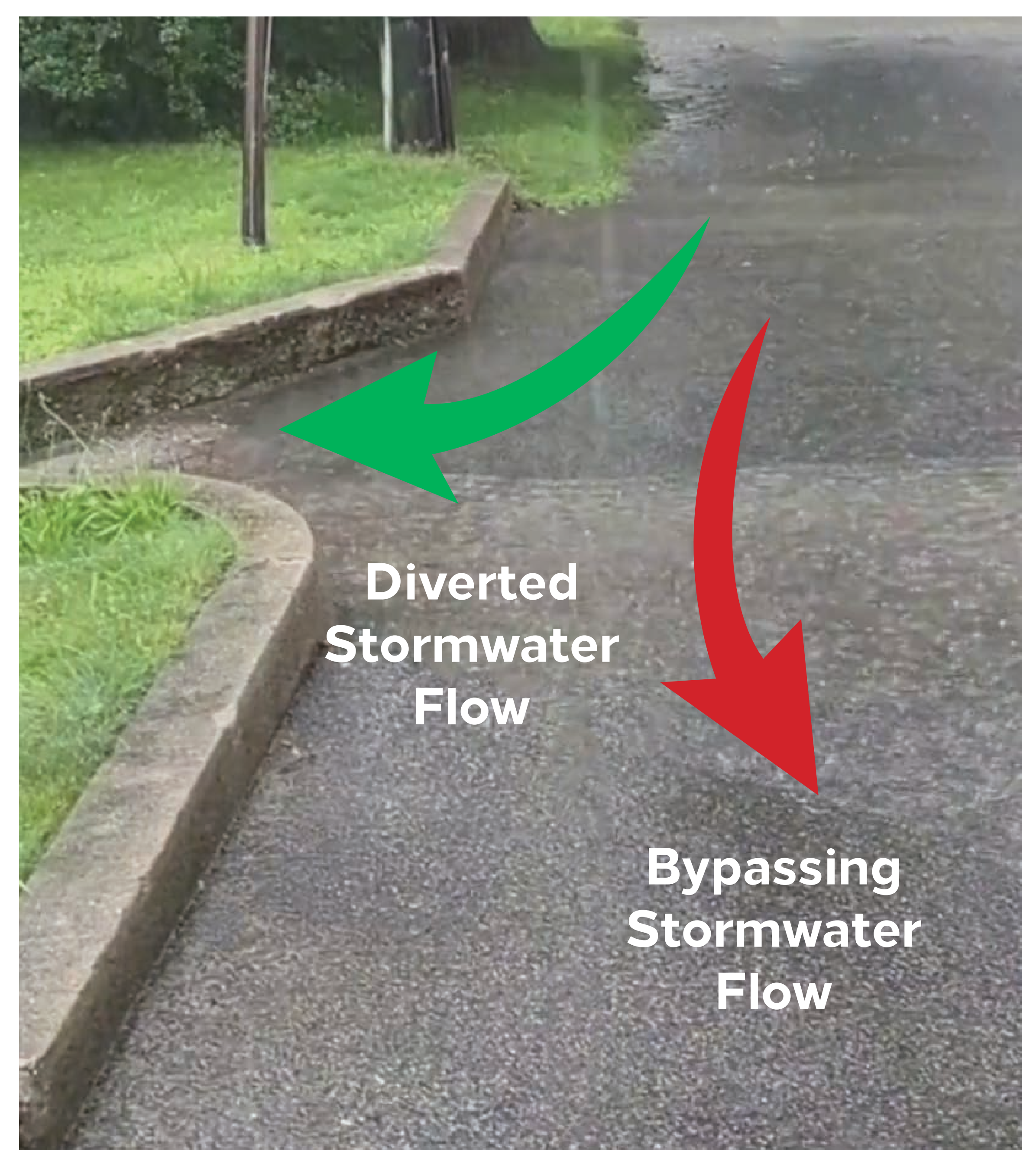
Monitoring and Improvements

Implementing a stormwater management project is just the beginning. Green infrastructure solutions require ongoing assessments and evaluations of site performance to achieve long-term success.

Inlet Repairs and Retrofits

Through monitoring and evaluation of the green infrastructure in Roger Williams Park, a number of design challenges were found. Some inlets failed to divert stormwater, leading to untreated runoff being channeled into nearby bodies of water.

Four sites were selected for inlet redesign to improve performance. These new designs, including construction and retrofit details, will be highlighted in upcoming workshops for industry professionals at the Stormwater Innovation Center.

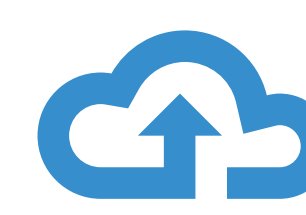


RAINSNAP.ORG Monitoring Green Infrastructure in Action

The Stormwater Innovation Center is enlisting volunteers and environmental stewards to actively engage with stormwater monitoring in urban communities. By using RainSnap.org to upload photos and videos of green infrastructure taken during storms, the functionality of these structures can be assessed. Community participation will result in more effective stormwater solutions, less flooding, and improved water quality.



Volunteers take photos and videos during heavy rain and storm events.



Photos and videos are uploaded in real-time to RainSnap.org



Green infrastructure operators are provided with a better understanding of function and maintenance needs.



Engineers benefit from viewing their design features in action.



Communities are engaged and informed, leading to improved water quality, less flooding, and a better understanding of climate resilience.