



MILWAUKEE

GREEN INFRASTRUCTURE OVERPASS CHALLENGE

What's your innovative stormwater
management solution?

REGISTER BY
SEPTEMBER 25th

WIN \$5,000

Sponsored by The Tellier Foundation

Problem Statement

- Changing weather patterns have resulted in a shorter duration, higher intensity storms.
- The Midwest is experiencing the wettest period on record, and Milwaukee data shows the four highest annual rainfall amounts ever recorded occurred in the last twenty years.
- Paved landscapes in our urban area result in increased stormwater runoff.
- In the Milwaukee region, this translates into more unanticipated water entering the [Milwaukee Metropolitan Sewerage District's system](#), increasing the risk of basement back-up's and [overflows](#) in our rivers and Lake Michigan.



Challenge: Identify new, innovative approaches to retain and treat runoff from interstate overpasses.

- Submittals must include:
 - Two or three alternatives described in a memo.
 - One recommended plan including:
 - Conceptual design drawing or visual.
 - Preliminary estimate of construction cost.
 - Construction schedule.
 - Description of constructability issues.
 - Long-term maintenance plan memo.



Team

Open to any project team with an interest in innovated stormwater management and green infrastructure.

- Encouraged focus areas:
 - Water Resources
 - Land Use Planning
 - Ecology
 - Transportation



Award

- First Place - \$5,000
- Second Place - \$3,000
- Third Place - \$2,000

Award selection will be based equally on innovation, sustainability, and quality of the submittal.



Timeline

- **September 25, 2020 – Registration and Question Deadline**
 - Register and submit questions to contactus@freshcoastguardians.com.
 - Registration should include a main contact person and a description of team members.
 - No questions will be received after the registration deadline.
- **November 20, 2020 – Final Submittal Deadline**
 - Submit by email: contactus@freshcoastguardians.com
 - Submittals should be PDF format no larger than 35 MB.
- **January 2021 – Award Selection**
 - Awardees will be notified by email and phone.

OVERPASS GREEN INFRASTRUCTURE EXAMPLES

Infra-Space 1 under I-93 - Boston



Photos: Landing Studio

- Stone Dissipation Basins
- Underground Storage
- Stormwater Trees
- Salt-Tolerant Plant Species

The Bentway under Gardiner Expressway - Toronto



- Bioswales
- Underground Storage
- Infiltration Trenches
- Native Landscaping
- Salt-Tolerant Plant Species

Photo: Nic Lehoux/The Bentway Conservancy

Aurora Bridge - Seattle



- Cascading Rain Gardens
- Underground Storage
- Curb Cuts to Capture Alley Runoff

Photo: Hannah Letinich/TNC

Marquette Interchange Concept - Milwaukee



- Bioretention Basins
- Permeable Pavers
- Rock-Lined Channels
- Permeable Maintenance Path
- Native Landscaping

Graphic: Human Nature Inc.

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