

# SEATTLE GREEN INFRASTRUCTURE INNOVATION

## CASE STUDY SERIES

## South Park Bridge Low Impact Development (LID) 2017

16th Ave S, Seattle 98108



### PERFORMANCE SNAPSHOT

- Extensive Green Stormwater Infrastructure (GSI) combined with open space, habitat restoration, and a GSI project on an arterial road.
- Treats 4.47 acres in addition to increasing pervious surface from 1.9 to 2.82 acres.

### GREEN INFRASTRUCTURE TECHNOLOGY TYPES



Street Trees



Biofiltration



Permeable Paving

### INNOVATION HIGHLIGHTS



Design Innovation

The project team adapted LID strategies with landscaping design and ecological habitat restoration to restore a riverbank and riparian buffer adjacent to the new bridge. An open space of nearly 3 acres, the site features a biofiltration swale and permeable concrete walkways that help reconnect the South Park neighborhood to the Duwamish River.



Community Engagement

Demonstrating how green stormwater facilities can be incorporated into major infrastructure projects, the South Park Bridge LID also exemplifies how GSI can create a multifunctional asset for the environment and the community.



Educational

Featuring a variety of interpretive signs, this educational public space also incorporates salvaged parts of the old South Park Bridge as a way to honor its historical significance.





*As a stormwater park, this project incorporates walking trails through an array of GSI, open space, and habitat restoration features*



## PROJECT DETAILS

IMPERVIOUS SURFACE MANAGED	3.55 acres or 154,638 sq. ft.
DRIVER	CSO Regulatory Requirements
OWNER	King County Wastewater Treatment Division (KCWTD)
FUNDER	KCWTD and Washington Department of Ecology
GREEN INFRASTRUCTURE COST	\$17,488,667
PROJECT TEAM	King County Roads Services Division HNTB
MAINTAINED BY	King County Roads Services Division

## MORE INFORMATION

<http://www.kingcounty.gov/depts/transportation/roads/south-park-bridge.aspx>

