

ONE-STOP STOP

Mt. Baker Station Area : Staying In Place : Winter 2018

This design has created an all-inclusive stop for bike and bus riders in the Mount Baker Area. A part of creating a resilient city means having a reliable way to get around besides car. We focused on bus ridership by having comfortable and ample amount of seating and integrating electronic Sound Transit schedules and route maps. For cyclists, we found that it is essential to have the ability to fix your own flat tires and other basic maintenance be more accessible. We have added a mobile bike repair station, and step by step maintenance instructions available on screen. We have also added a bike-on-bus practice area for riders to learn how to properly lock their bikes on the front of King County buses.

Large Station



Medium Station



Bike Station



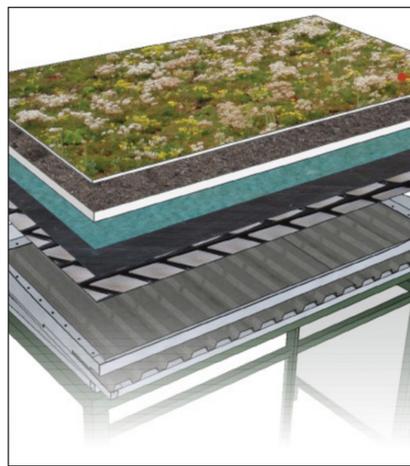
Public Bike Station
Our bike repair station has been inspired by the Dero Fixit, a DIY maintenance stop that has been installed in over 300 places across the country.

<https://www.dero.com/product/fixit/>



Modular Bike Parking Lot
The guiding idea of the adopted solution was to create a modern and modular urban furniture, which would become a symbol of the action promoting the ecological lifestyle, the element of which is cycling.

http://www.menthol.pl/pl/pl_100_bikepark.php



Philadelphia Green Roof Bus Shelter
The Philadelphia Water Department's green roof bus shelter gives people on the street a chance to see and experience green roofs. They help to ease the summer heat and reduce the amount of rainwater that makes its way to the sewer.

<http://www.phillywatersheds.org/green-roof-bus-shelter>

MATERIALS

OUTER STRUCTURE: Wood, Glass, Plastic, TV Screens x2, Steel
GREEN ROOF: Vegetation, Growing Medium, Wicking Fabric, Root Barrier, Reinforcement Layer

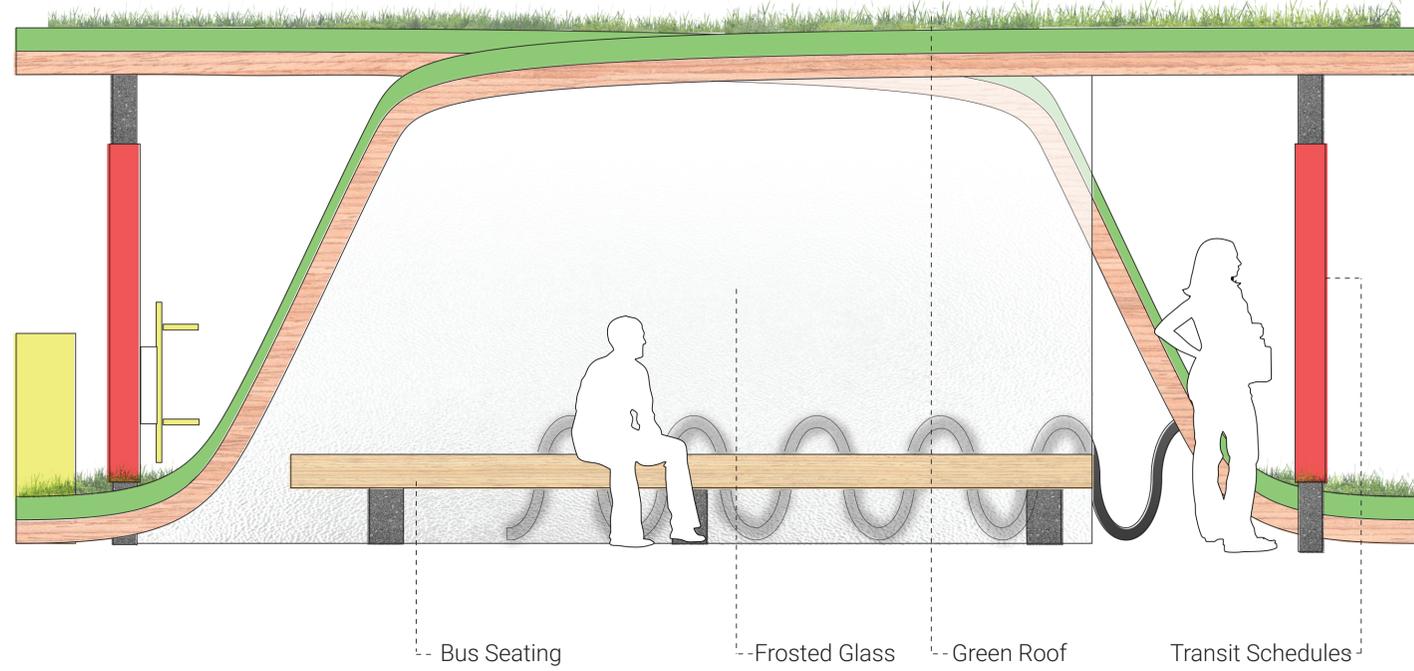
COSTS

Green Roof: \$2,250 (150 sq ft x \$15/sqft)
DIY Bike Station: \$1,108
Touch Screen: \$3,000
Other: \$1,500

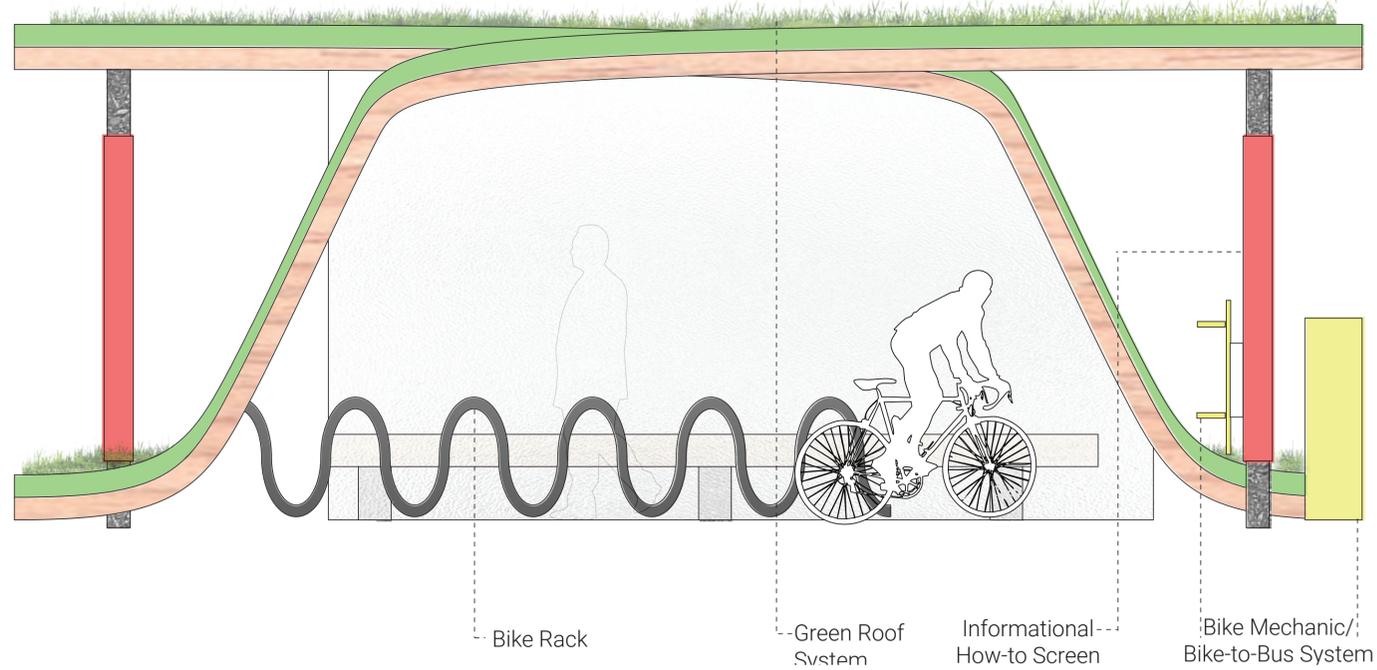


- Proposed Large Station
- Proposed Medium Station
- Proposed Bike Station
- Existing Storm Water

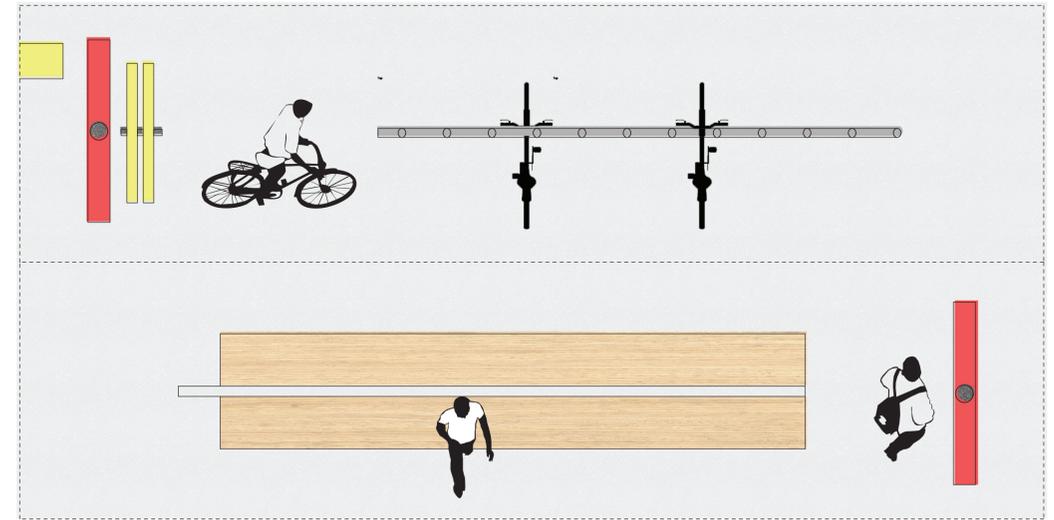
Bus Transportation



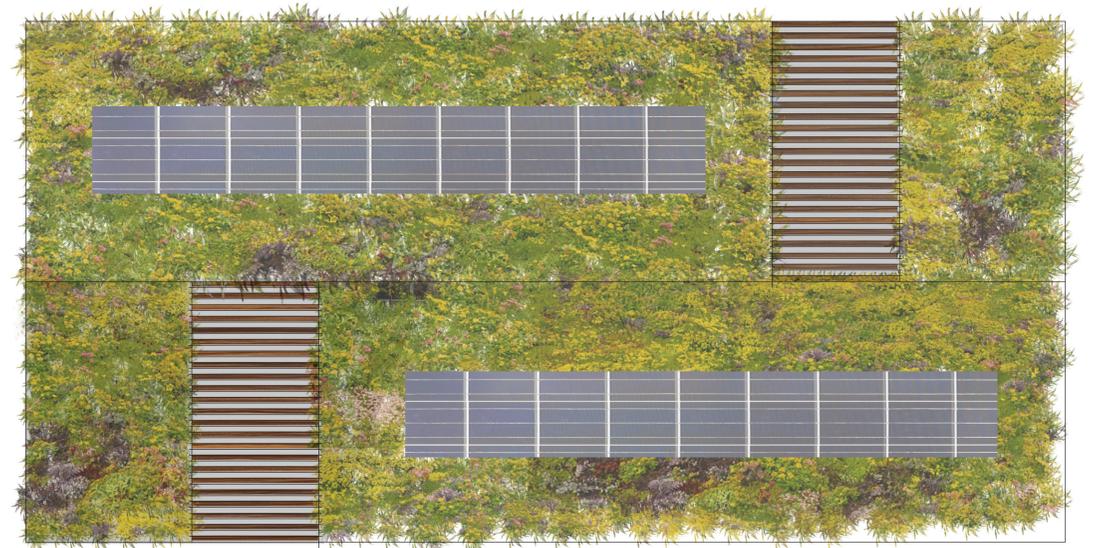
Bicycle Transportation



Floor Plan



Green Roof Plan



Green Roof System

