



## 2018 Project Review Sheet (2019 Construction)

### City Council District 2

Ballot #2J

<b>Project #</b>	18-202
<b>Project Title:</b>	Pedestrian Improvements on Rainier Ave from 57th Ave S to Henderson Ave S
<b>Location:</b>	Rainier Ave S between S Henderson St & 57 <sup>th</sup> Ave S

### SDOT Project Summary

SDOT approves project

- Yes
- Yes, with revisions
- No

Comments: SDOT Urban Forestry recommends installation of flexible porous surface treatment and SDOT Maintenance to install sidewalk shims to prevent tripping hazards. Prioritize these treatments around bus stop locations.

There is an opportunity to partner with another program:

- Yes
- No

Partnering Program: N/A

**Total Project Cost: \$ 90,000**



## **Solution and Comments:**

This review has been completed for use in the 2018 Your Voice, Your Choice: Parks & Streets process.

## **Lighting**

Typical cost for a new pedestrian-scale light is \$40,000 (includes pole, luminaire, foundation, and all associated electrical work). With planning and design costs, we would be able to install approximately two new lights if this project were selected.

Transit stops within this project area have a pedestrian-scale light associated with each bus zone. Streetlights within this area have been converted to LED, which provides improved light quality to this area.

## **Landscaping**

SDOT Urban Forestry's recommendations:

- 1) Expand existing tree pits and install Flexible Porous Surface Treatment. This will create a healthy environment for the tree roots by allowing air and water flow, which encourages deep rooting and reduces the risk of trip hazards from uplifted sidewalk panels.
- 2) Review planting strip areas for exposed roots, notch sidewalks where applicable, and install Flexible Porous Surface Treatment.

## **Image:**



Example of tree pits with exposed roots



Example of flexible porous surface treatment



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## Information Provided by Community Members

**Project Idea:** Increase pedestrian friendly areas in rainier beach neighborhood.  
Add lighting and landscaping

**Need for Project:** It is totally unsafe to walk there due to so many fast moving cars, yet it is where the public library is and many businesses

**Community Benefit from Project:** Students at rainier beach high school and South Shore, young children going to the library, pedestrians



**Risk Registry:**

SDOT Review	Drainage impacts	Constructability	Community process
Low	Low	Low	Low

**Cost Estimate:**

<b>Design Phase</b>	
Preliminary Engineering (Survey) Costs	\$ 1,200
Project Management Costs (City Labor)	\$ 1,200
Design Costs (Consultant Fees, if externally designed, internal labor otherwise) - use 10% of construction cost for in-house design of relative uncomplicated projects	\$ 3,600
<b>Subtotal - Design Phase Costs</b>	\$ 6,000
Design Contingency (10% of Design Phase Subtotal)	\$ 600
<b>Total Design Phase Costs</b>	\$ 6,600
<b>Construction Phase</b>	
Construction Costs (include urban forestry, signs & markings, traffic control, layout or construction staking as necessary)	\$ 60,000
Drainage Costs	\$ 0
Estimating Contingency (10-20%)	\$ 6,000
<b>Subtotal - Construction Costs</b>	\$ 66,000
Construction Management (10-25% of Construction Cost)	\$ 6,600
Construction Contingency (20%)	\$ 10,800
<b>Total Construction Phase Costs</b>	\$ 83,400
<b>Total Project Cost = Total Design and Construction Phase Costs</b>	\$ 90,000