



2018 Project Review Sheet (2019 Construction)

City Council District 2

Ballot #2D

Project #	17-207
Project Title:	Install high visibility lighting infrastructure on the crosswalk spanning Beacon Ave S
Location:	Beacon Ave S north of Columbian Way, east of the VA Medical Center, and west of the Jefferson Golf Course.

SDOT Project Summary

SDOT approves project

- Yes
- Yes, with revisions
- No

Comments: If selected, all three crosswalks on Beacon Ave S between S Spokane St and S Columbian Way will be upgraded to rapid flash beacons.

There is an opportunity to partner with another program:

- Yes
- No

Partnering Program: Pedestrian Master Plan

Total Project Cost: \$180,000 (\$90,000 YVYC, \$90,000 PMP)

Solution and Comments:

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

Data collected shows high pedestrians volumes at all three locations and traffic speeds over 35mph. The mid-week Average Daily Traffic Volume on Beacon Ave is approximately 13,560 vehicles per day. The 85th percentile speed of motorists here is 37 mph (posted speed limit is 30 mph). Approximately 70-90 pedestrians cross at the south crossing during the PM peak hour. Similarly, 60-75 pedestrians crossing

YVYC 2018: 17-207, Beacon Ave S north of Columbian Way



at the middle crossing and 15-20 pedestrians cross at the north crossing during the PM peak hour. This project will install rapid flash beacons in place of the existing crossing improvements at all three crosswalk locations on Beacon Ave S between S Spokane St & S Columbian Way.

Image:

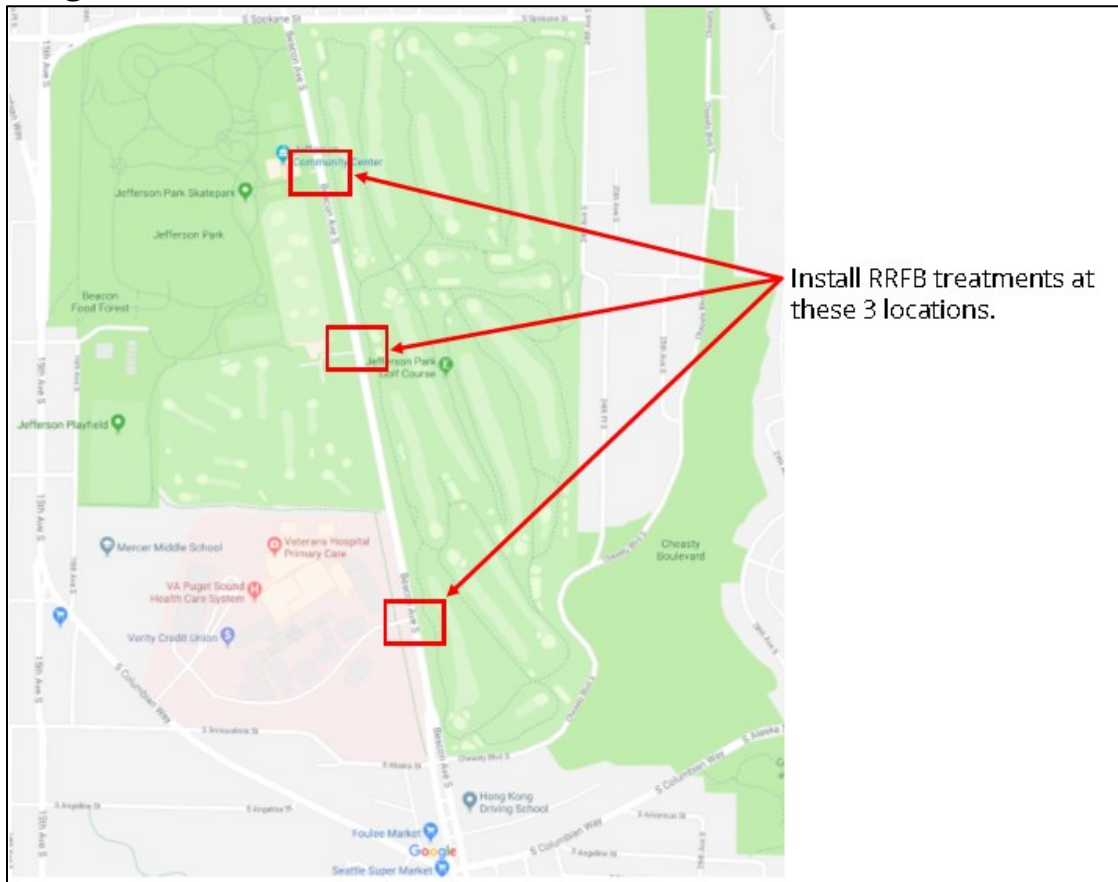


Figure 1: Proposed Locations



Information Provided by Community Members

Project Idea: Button activated flashing warning lights to identify the existence of pedestrians crossing the street similar to the system installed outside the Beacon Hill Seattle Public Library at S Forest St. and Beacon Ave S.

Need for Project: Cars excessively speed past crosswalk without stopping for pedestrians in the marked walking zone as if drivers are totally unaware that the crosswalk exists which creates an unsafe environment which may result injury or worse.

Community Benefit from Project: Children going to and from Mercer Middle School; elderly, disabled, amputee wheelchair bound U.S. military service Veterans and/or their families, including VA employees, who elect utilize King County Metro public transportation-route36 whose bus stops are on opposite sides of the existing dangerous crosswalk.



Risk Registry:

SDOT Review	Drainage impacts	Constructability	Community process
Low - SDOT Standard Plan	Low	Medium	Low

Cost Estimate:

Design Phase	
Preliminary Engineering (Survey) Costs	\$
Project Management Costs (City Labor)	\$
Design Costs (Consultant Fees, if externally designed, internal labor otherwise) - use 10% of construction cost for in-house design of relative uncomplicated projects	\$
Subtotal - Design Phase Costs	\$
Design Contingency (10% of Design Phase Subtotal)	\$
Total Design Phase Costs	\$
Construction Phase	
Construction Costs (include urban forestry, signs & markings, traffic control, layout or construction staking as necessary)	\$
Drainage Costs	\$
Estimating Contingency (10-20%)	\$
Subtotal - Construction Costs	\$
Construction Management (10-25% of Construction Cost)	\$
Construction Contingency (20%)	\$
Total Construction Phase Costs	\$
Total Project Cost = Total Design and Construction Phase Costs	\$180,000 (\$90k YVYC, \$90k PMP)