



2019 Project Review Sheet (2020 Construction)

City Council District 1 (Ballot # 1E)

Project #	19-27
Project Title:	Install flashing beacons
Location:	Neighborhood: Puget Ridge, 98106 Area: 16th Avenue SW, Seattle 98106 in front of South Seattle College main entrance (near 125 bus stop)

SDOT Contact Information

SDOT Reviewer Name: Andrew Merkley

Reviewer Phone Number: (206) 684-5102

Review Date: August 9th, 2019

SDOT Project Summary

SDOT approves project

- Yes
- Yes, with revisions
- No

Comments: Based upon the recent traffic data, SDOT recommends upgrading the existing marked crosswalk with installing a rapid rectangular flashing beacon (RRFB) and upgrading the curb ramps to be ADA compliant.

There is an opportunity to partner with another program:

- Yes
- No

Partnering Program: N/A

Total Project Cost: \$120,000

YVYC 2019: Project 19-27, 16th Avenue SW, Seattle 98106 in front of South Seattle College main entrance (near 125 bus stop)



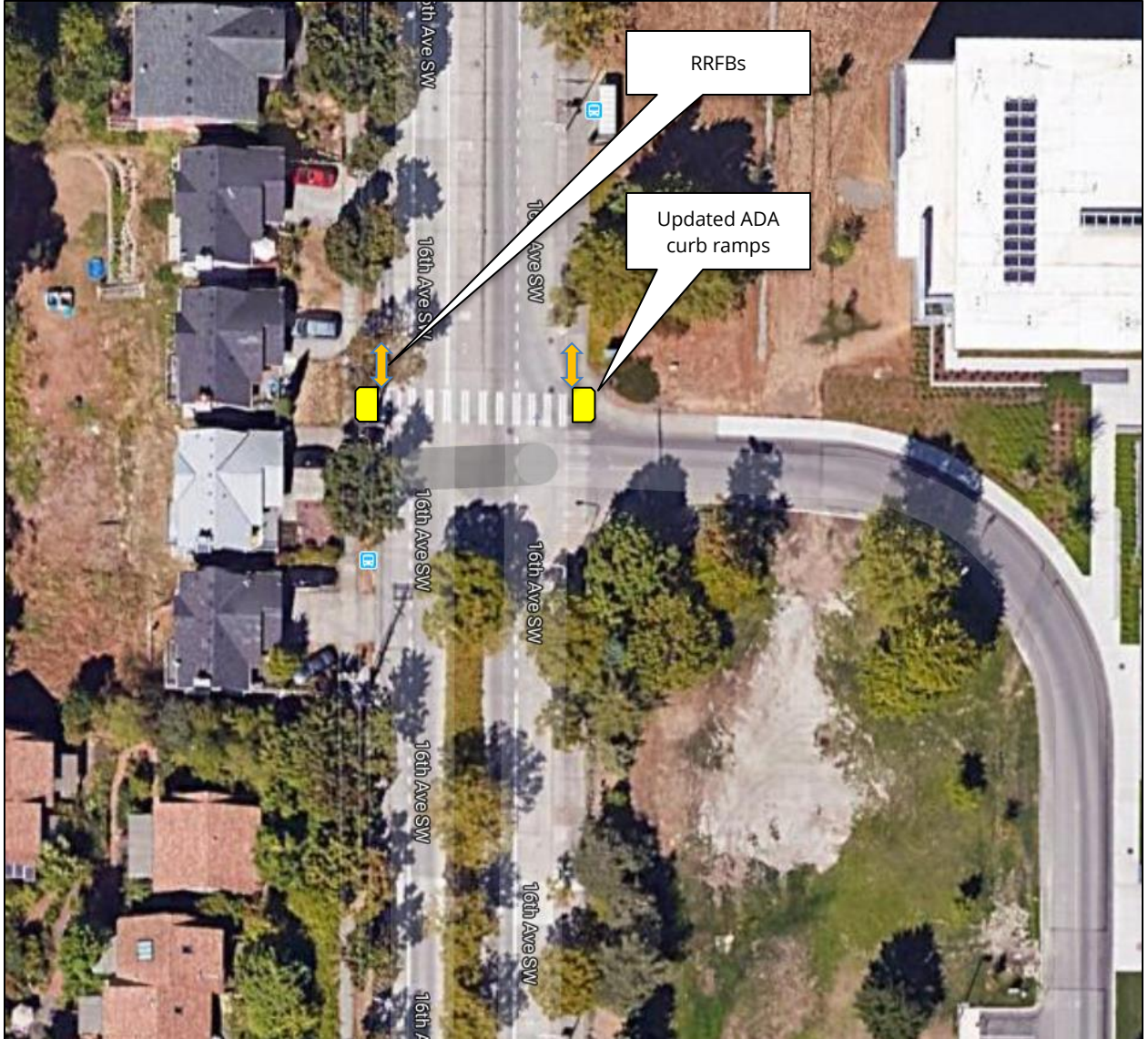
Solution and Comments:

This review has been completed for use in the 2019 Your Voice, Your Choice: Parks & Streets process.

Speed and traffic volume as well as pedestrian crossing volumes were collected at the entrance to South Seattle College on 16th Avenue SW. The 85th percentile speeds were approximately 37 miles per hour. Based upon the thresholds defined in SDOT's guidelines for marked crosswalks, this location warrants crosswalk improvements. Due to the high speeds of the segment, and the 2-lane southbound approach to the intersection, SDOT recommends that the existing marked and signed crosswalk be upgraded to a rectangular rapid flashing beacons (RRFB) crossing with upgraded ADA ramps.



Image:



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Information Provided by Community Members

Project Idea: Install flashing beacons, pedestrian island, illuminated crosswalk signs, median pedestrian crossing improvements to increase the visibility of pedestrians

Need for Project: The number of unreported near misses, as students are running across the street to avoid being hit, is unknown but this year appears to be of heightened concern. Visibility, lighting and the location of the 125/128 bus stop are all problems. Installing flashing beacons or a median pedestrian crossing will assist with visibility and hopefully slow traffic down. Just recently, a full-time faculty member reported, "I was driving to work north on 16th Avenue SW. I was going around 35 miles per hour near the crosswalk, and a Metro bus was stopped in the southbound lane. I had seen it 100 ft back or so but did not see any people in the crosswalk. As I got closer, suddenly there were people in the crosswalk. At about 30 feet from the crosswalk, I slammed on my brakes. Then, a car came up behind me very fast and rear-ended me. I was slightly injured but luckily did not hit any students." We have asked the City for additional support to address this issue: the USA Issues and Concerns Officer contacted Jessica Finn Coven, the Chief Resilience Officer from the City of Seattle on October 3, 2018, and Jeanne Clark, the Creative Services Manager at the City of Seattle on October 9, 2018. On Nov 16, Gretchen Conrad with SDOT Traffic Operations agreed we were eligible and recommended that we apply for "Your Voice, Your Choice" grant. To raise the issue further, we met with Seattle City Council Member Lisa Herbold on January 11, 2019. Among a variety of suggestions (we are still awaiting SDOT responses), Ms. Herbold also suggested this program.

Community Benefit from Project: South Seattle has an enrollment of over 15,000 students, which includes dual enrollment young high school students and international students who may not be familiar with the area. We also have community members who visit campus to attend meetings and events in the evening. In addition, the college has a Childcare Center to support our parents with children between the ages of 18 months and 9-year-old. The Preschool Cooperative is also active on campus. According to Lisa Sever, the Child Care Center Manager, the majority of parents commute by using public transportation. (South is already underserved by public transportation options by King County Metro; we are served by just two bus lines-- Route 125 and 128. Our student population is susceptible to shifts in transportation accessibility, and safety concerns and dangerous crossings can easily become access constraints for those who would otherwise depend on those routes.) All of these populations have representatives who cross at this intersection after disembarking the bus or parking on 16th Ave SW. In our opinion, they are all vulnerable when crossing this street. Let's improve this situation before someone is seriously hurt, or worse, dies due to an accident that could have been prevented.

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Risk Registry

SDOT Review	Drainage impacts	Constructability	Community process
Medium	Medium – associated with curb ramps	Medium	Low

Cost Estimate

Design Phase	
Preliminary Engineering (Survey) Costs	\$0
Project Management Costs (City Labor)	\$2,000
Design Costs (Consultant Fees, if externally designed, internal labor otherwise)	\$25,000
Subtotal – Design Phase Costs	\$27,000
Design Contingency (10% of Design Phase Subtotal)	\$3,000
Total Design Phase Costs	\$30,000
Construction Phase	
Construction Costs (include urban forestry, signs & markings, traffic control, layout or construction staking as necessary)	\$55,000
Drainage Costs	\$10,000
Estimating Contingency (10-20%)	\$5,000
Subtotal – Construction Costs	\$70,000
Construction Management (10-25% of Construction Cost)	\$10,000
Construction Contingency (20%)	\$10,000
Total Construction Phase Costs	\$90,000
Total Project Cost = Total Design and Construction Phase Costs	\$120,000

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