2018 Project Review Sheet (2019 Construction)

City Council District 3

Ballot #3B

Project #	**18-805**
Project Title:	**Crossing Improvements on E Aloha St and 14th Ave E**
Location:	**E Aloha St and 14th Ave E in Capitol Hill**

SDOT Project Summary

SDOT approves project

- ☒ Yes
- ☐ Yes, with revisions
- ☐ No

Comments: Install marked crosswalk and RRFB with hard wire power connection on one leg of intersection.

There is an opportunity to partner with another program:

- ☐ Yes
- ☒ No

Partnering Program: N/A

Total Project Cost: $ 83,298

Solution and Comments:

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

Traffic data indicates that there are sufficient pedestrians crossing at this intersection to support instillation of a Rectangular Rapid Flashing Beacon (RRFB). Mature trees at the site will require that the beacon be connected to a power supply instead of solar powered.

Image:

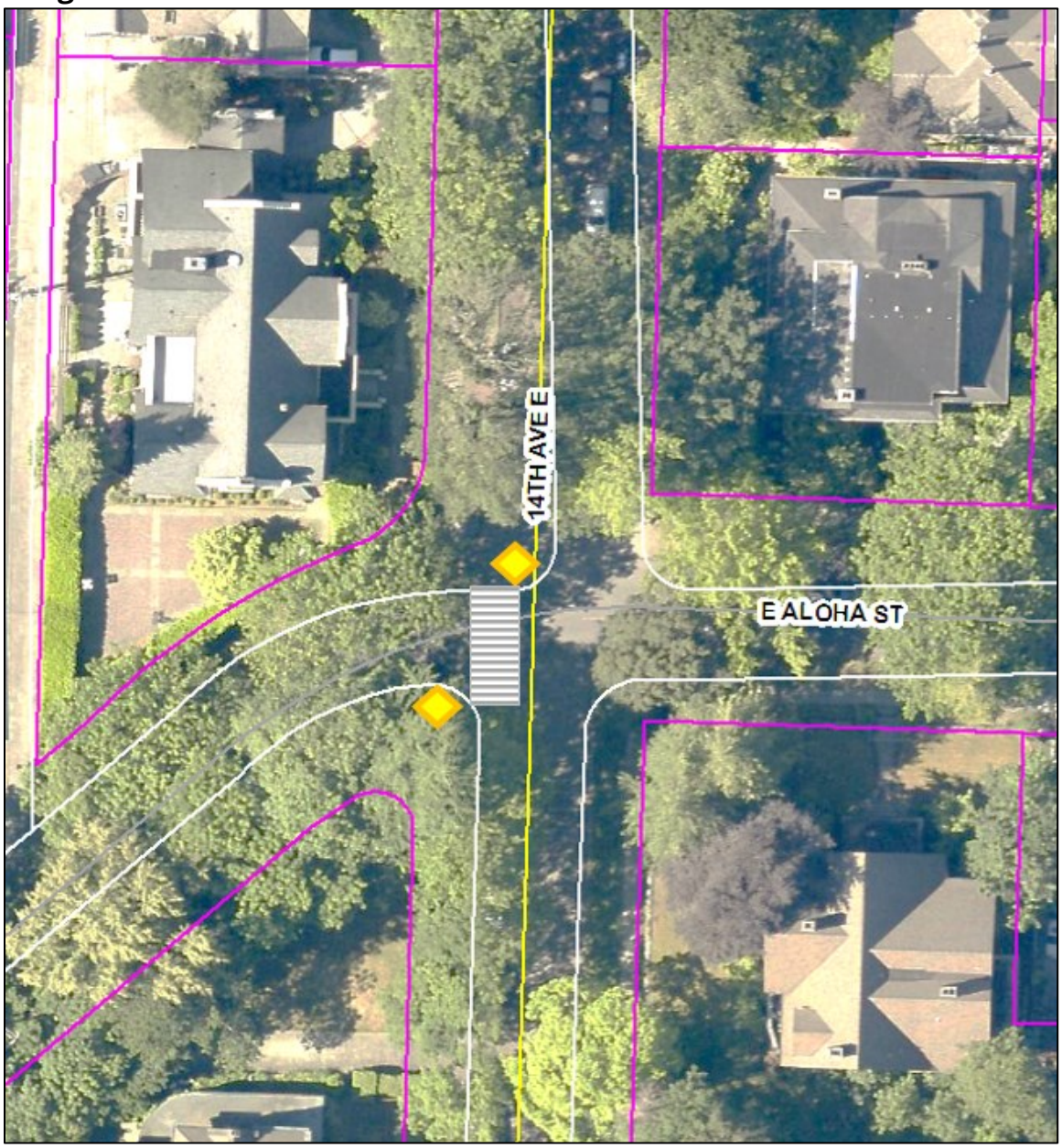

Figure 1: Proposed Improvement

Information Provided by Community Members

Project Idea: Install flashing beacons to assist pedestrians crossing a major section of E Aloha St. to get to Volunteer Park.

YVYC 2018: 18-805, E Aloha St and 14th Ave E

Need for Project: This is a major crossing location, as it connects directly to the main entrance of Volunteer Park--hundreds of pedestrians, from bikers, to joggers, to those taking a walk, cross the street here in order to get to the park and dodge cars along their way across Aloha. Signs even line the street that neighbors have installed, encouraging motorists to stop for those crossing. That being said, this crossing is located on a hill, making a typical crosswalk unusable. Flashing beacons installed where those coming up and down the hill in cars can see them would allow them to stop in a timely fashion to allow pedestrians to cross safely.

Community Benefit from Project: Pedestrians overall, but more specifically, anyone who uses Volunteer Park.

Risk Registry:

SDOT Review	Drainage impacts	Constructability	Community process
Low – concept uses standard treatments and has been vetted by Traffic Operations	Low – no likely drainage impacts with new infrastructure	Medium – power connection available at intersection; minimal road closure needed for construction.	Medium – would add flashing beacon to residential intersection.

Cost Estimate:

Design Phase	
Preliminary Engineering (Survey) Costs	$ 0
Project Management Costs (City Labor)	$ 0
Design Costs (Consultant Fees, if externally designed, internal labor otherwise) - use 10% of construction cost for in-house design of relative uncomplicated projects	$ 10,725
Subtotal – Design Phase Costs	$ 10,725
Design Contingency (10% of Design Phase Subtotal)	$ 1,073
Total Design Phase Costs	$ 11,798
Construction Phase	
Construction Costs (include urban forestry, signs & markings, traffic control, layout or construction staking as necessary)	$ 50,000
Drainage Costs	$ 0
Estimating Contingency (10-20%)	$ 5,000
Subtotal – Construction Costs	$ 55,000
Construction Management (10-25% of Construction Cost)	$ 5,500
Construction Contingency (20%)	$ 11,000
Total Construction Phase Costs	$ 71,500
Total Project Cost = Total Design and Construction Phase Costs	$ 83,298