

Dexter Safe

Crosswalks at unsignalized intersections along Dexter Avenue N between Valley Street and the Ship Canal

Applicant Problem

Minor arterial (30 MPH signed), vertical curves, bicycles and non-pedestrian scale lighting all result in a very dangerous crossing experience for pedestrians.

PROJECT TYPE

Pedestrian Crossing Improvements

COST ESTIMATE

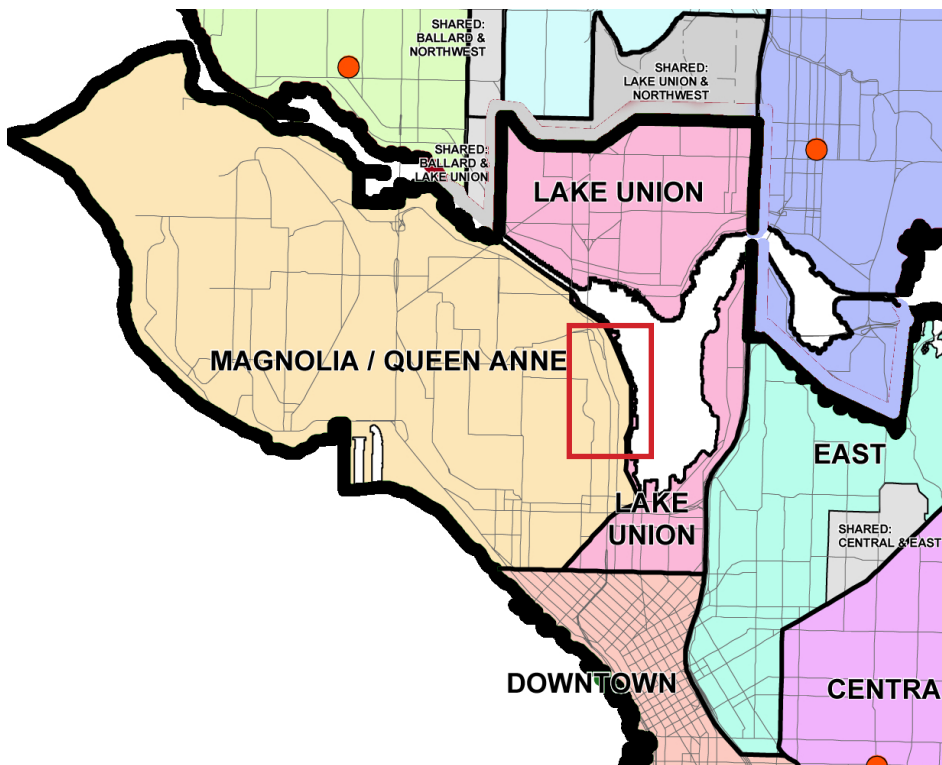
\$385,000

Applicant Problem

Minor arterial (30 MPH signed), vertical curves, bicycles and non-pedestrian scale lighting all result in a very dangerous crossing experience for pedestrians.

Applicant Solution

RRFBs at all marked crosswalks.



Seattle Department of Transportation (SDOT) Review

Project Description

As part of the conceptual design process, we took pedestrian counts at all the existing marked crosswalks along Dexter Ave N between Valley St and the Ship Canal. Rectangular rapid-flash beacons (RRFBs) are approved at Dexter Ave N at Comstock St and Galer St. Curb bulbs and median islands were also evaluated at these locations. The intersection of Dexter Ave N and Newton St is a location where a curb bulb could especially improve visibility and where no adjacent development is planned.

Dexter Ave N is a minor arterial street with one thru lane in each direction, a bicycle lane and on-street parking on both sides of the street in most locations. Comstock St, Galer St and Newton St are residential streets with on-street parking provided on one side of the street. Modifications to each intersection are specific to the current configuration and pedestrian demand.

Comstock St and Galer St are non-arterial streets which dead-end west of Dexter Ave N. Both include private driveways within the intersection which lead to private parking garages. At Galer St the recommended modifications include reconfiguring the curb ramp to the floating bus stop and extending the bus stop to form a pedestrian island. The RRFB on the east side of the intersection will be located on the median to improve visibility.

Newton St is a residential access street to the east of Dexter Ave N. This is an angled intersection with a private driveway west of Dexter Ave N. Parking is currently prohibited across from Newton St due to the existing crosswalk and driveway. A curb bulb will be added and a new curb ramp will be installed.

Constructability

- Some minor regrading and new inlets or catch basins to facilitate drainage may be required around the proposed curb bulbs.
- Some utility covers are located near the curb bulb locations that may require adjustments.

Impacts

- Driveways, and sidewalks in close proximity to driveways at modified curbs will require adjustments to improve new transition to street.
- Fire hydrants located near modified curbs may require relocation.

Benefits

- Reduced chance of people illegally parking near intersections and driveways.
- Increased safety for pedestrians by shortening crossing distances and installing blinking lights.



RRFB example

