

MEMORANDUM

**Date:** May 18, 2018  
**To:** Councilmember O'Brien  
**From:** Darby Watson, Project Development and Delivery Director, SDOT  
Lorelei Williams, Capitol Projects and Roadway Structures Director, SDOT  
Matt Donahue, Roadway Structures Manager, SDOT  
**Subject:** **Report on Bridge Safety Analysis Study**  
**Response to Statement of Legislative Intent (SLI) 59-1-A-1-2018**

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This memorandum serves as SDOT's response to SLI 59-1-A-1-2018 in which Council requested that SDOT report on the results of the Bridge Safety Analysis and include:

- An implementation plan for improvements identified in the Bridge Safety Analysis
- Detailed cost assessments for the improvements identified in the Bridge Safety Analysis
- SDOT's proposed prioritization for bridge improvements

**Background:**

The Bridge Safety Analysis was conducted as part of the Bridge Rehabilitation/Replacement Program (BRRP), funded by the Levy to Move Seattle. Currently the levy provides for \$15 million for the bridge rehabilitation/replacement program and states that up to \$10 million can be used for near term bike & pedestrian improvements.

The report resulting from the Bridge Safety Analysis provides preliminary design and planning-level cost estimates for 9 bridge-related projects across Seattle that would reduce conflicts and improve safety for bicyclists and pedestrians. These preliminary designs are concepts only; additional analysis and design will be required before moving forward with implementation. Cost estimates were developed using Seattle bid tabs as the basis of costs.

**Levy Funding:**

The BRRP was originally to be funded with a combination of local funding, levy funding, and grants. However, levy funding appears to be the only viable funding source which accounts for \$15 Million. Approximately \$10 Million is needed to deliver on the bridge structural BRRP objectives. This means that approximately \$5 Million can be allocated for implementing near-term pedestrian and bicycle safety projects on bridges (for detailed cost estimates of these projects please reference the appendix on p. 47 of attached Bridge Safety Analysis).

**Bridges Identified in the Bridge Safety Analysis:**

The 9 locations for near-term bicycle and pedestrian improvements are:

1. Ballard Bridge South

2. Ballard Bridge Sidewalk
3. Ballard Bridge Northwest
4. Ballard Bridge Northeast
5. University Bridge
6. 1<sup>st</sup> Ave S Bridge
7. Fremont Bridge
8. Jose Rizal Bridge South
9. Jose Rizal Bridge North

### Prioritized Bicycle and Pedestrian Safety Improvement Locations

To create a prioritization process, SDOT used the Bicycle and Pedestrian Safety Analysis (BPSA) and collision data from 2004 to 2017. Balancing the BPSA score, potential project costs, and partnership opportunities, SDOT created a prioritized list of projects (for details of this prioritization process please reference p. 42 of the Bridge Safety Analysis).

### Implementation Plan:

Efforts to complete an implementation plan for the bicycle & pedestrian safety improvements are ongoing. We will continue our work with stakeholders on preferred implementation priorities. This process will include:

- Working with stakeholders to review recommended locations for improvement for equitable delivery of projects
- Refinement of cost estimates
- A review of potential partnership/leveraging opportunities
- Schedule for design and construction of the selected safety improvements

### Next Steps:

- Meeting scheduled in Ballard on May 30<sup>th</sup> to discuss the results of the Bridge Safety Analysis
- Continue to work with stakeholders to create finalized implementation plan

