

February 12, 2017

CITY COUNCIL STUDY SESSION ITEM

SUBJECT

West Lake Sammamish Parkway, Phase 2 (CIP Plan No. PW-R-183) project phasing analysis findings.

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POLICY ISSUES

Tonight's discussion supports the implementation of Council-adopted plans, including Capital Investment Program (CIP), and elements of the Utilities and Transportation sections of the City's Comprehensive Plan. Further, the City's High Performing Organization (HPO) model necessitates that departments review and progress major work activities in partnership, utilizing a One City viewpoint, in order to minimize impacts and provide the greatest benefit to our residents, businesses, and system users.

Bellevue Comprehensive Plan:

- TR-21: Ensure that the transportation system infrastructure in Bellevue provides mobility options for all modes, and accommodates the mobility needs of everyone, including underserved populations.
- TR-24: Incorporate pedestrian and bicycle facility improvements into roadway projects in accordance with the Pedestrian and Bicycle Transportation Plan.
- TR-54: Design arterials and streets to fit the intended character of the areas through which they pass.
- TR-103: Promote and facilitate walking and biking.
- UT-1: Manage utility systems effectively in order to provide reliable, sustainable, quality service.
- UT-2: Build and manage city-owned utility infrastructure assets to reduce the likelihood of risks to public safety, property and environment, and disruption due to asset failure.
- UT-10: Emphasize cost effective management of city utility systems over their lifetime, including planning for their renewal and replacement, balancing risk, and maintaining desired service levels.

Utilities Department policies:

- To invest resources as necessary to construct, maintain and renew water system infrastructure and equipment so that Utility customers are provided with consistent, reliable service.

Utilities Department practice:

- Replace small diameter asbestos concrete water main installed in the late 1940's and 1950's to reduce the possibility of water main breaks. CIP Plan No. W-16 has been designated to do this.

Comprehensive Finance Management Policies:

- XI.P: The Council authorizes the City Manager to administratively approve the acceleration of project schedules so long as they can be accomplished without causing cash flow problems and with the understanding that any controversial issues would be brought before the City Council.

DIRECTION NEEDED FROM COUNCIL

ACTION



DIRECTION



INFORMATION ONLY



The Transportation Department is providing an update to Council on the findings of a project phasing plan developed by the Transportation Department and supported by the Transportation Commission at their January 11 meeting. Staff will be completing final design of roadway and water main work in the North Central area of West Lake Sammamish Parkway (WLSP). The proposed WLSP Phase Two project will include constructing approximately 4,800-feet of roadway improvements centered on the Northup Way intersection.

This roadway work will also include a major Utility Department water main replacement (approximately 11,000-feet long). Coordinating projects into a single construction phase will minimize the potential for recurring multi-year construction-related impacts. The Utilities Department water main replacement is funded under the Small Diameter Water Main Replacement program (CIP Plan No. W-16).

The companion Utilities plan, Small Diameter Water Main Replacement program (CIP Plan No. W-16), is fully funded. Staff will return at a future Council meeting to formalize an amendment to the scope of the CIP to reflect Phase 2 as described.

BACKGROUND/ANALYSIS

Phase One

On April 11, 2005, Council adopted a project scope for improvements on West Lake Sammamish Parkway after extensive public involvement with the local community and other users of the Parkway. The project scope was based on a context-sensitive design approach that focused on providing improvements for pedestrians, cyclists, motor vehicle users, and the local community, while maintaining the character of the Parkway. The outcome of that effort reflects the greater community's interests in providing key project features such as a multi-purpose trail separated from the vehicular traffic by a landscaping buffer, where feasible, and pedestrian crossings along the corridor.

In 2009, the community, and users at large, were also involved in developing an implementation plan for the entire corridor. An overwhelming number of the outreach participants identified the segment of West

Lake Sammamish Parkway from I-90 to SE 34th Street as the highest priority to implement. This first phase of construction was completed in 2013.

Phase Two

The originally adopted 2017-2023 CIP included \$8 million for design, right of way acquisition and construction of Phase 2 work on West Lake Sammamish Parkway (CIP Plan No. PW-R-183) with funding allocated in the 2018-2021 timeframe.

On May 1, 2017 Council directed staff to advance design and construction of the Phase Two work to incorporate a needed Utilities Department water main replacement project on the Parkway. The Utilities project will replace approximately 11,000 linear feet of aging and undersized water main pipe between 670 West Lake Sammamish Parkway NE and 1730 West Lake Sammamish Parkway SE. An analysis in early 2016 identified that the existing 6-inch Asbestos Concrete (AC) water main is at the end of its service life and at significant risk of failure. In addition, parts of the water system that are connected to the water main have lower than adequate water pressure and replacement of the water main is necessary prior to increasing the system pressure. Replacing this existing AC pipe along West Lake Sammamish Parkway now will significantly reduce the risk of failure, minimize disruptions to customers, avoid costly emergency repairs, and reduce claims exposure. Utilities has an agreement with the City of Issaquah for the South Cove area assumption to boost the pressure in the system by January 1, 2019.

The traffic impacts caused by the need to replace the aging water main, necessitated the need to consider combining Utilities/Transportation project work to minimize repeated and considerable construction impacts on the tight confines of West Lake Sammamish Parkway.

On November 27, 2017 as part of the mid-biennium budget update, Council amended the CIP to accelerate the \$8 million of funding for PW-R-183 from the originally adopted timeframe of 2018-2021 to 2018-2019 to allow for the coordination of the roadway work and the Utilities Department water main replacement described above.

Past Council Actions

On April 11, 2005, Council adopted a roadway cross-section for West Lake Sammamish Parkway after an extensive public outreach. The adopted roadway cross-section includes a four-foot-wide shoulder on the east side of the street, one travel lane in each direction and a 10-foot-wide multi-use trail on the west side of the street separated by landscaped areas where feasible.

In December 2006, Council approved Ordinance No. 5711 adopting the City's 2007-2013 CIP plan that included CIP Plan No. PW-R-141 for the West Lake Sammamish Parkway improvements from I-90 to the north City limits. The programmed funding for this project was intended to complete the topographic survey and pre-design engineering reports for the entire corridor to a level sufficient to develop a construction prioritized implementation phasing plan in coordination with the community and other project stakeholders.

On July 23, 2007, Council approved Ordinance No. 5753 amending the 2007-2013 CIP to allocate \$14 million in supplemental CIP funding, which included \$1 million for pre-design work on the West Lake Sammamish Parkway project. The supplemental CIP funding increased the West Lake Sammamish project budget to \$6,560,000. This accelerated funding allowed the City to begin the Design Report phase in 2008, one year earlier than previously planned.

On April 21, 2008, Council approved Resolution No. 7728 authorizing the execution of a consultant agreement with Reid Middleton, Inc. for the development of the Design Report Phase for the proposed improvements on West Lake Sammamish Parkway, between I-90 and the north City limits (CIP Plan No. PW-R-141).

On July 7, 2009, Council gave staff direction to proceed with the final design of staff's recommended first phase from the I-90 roundabout to SE 34th Street based on the overwhelming public support to build this segment of the Parkway first.

On November 5, 2012, Council awarded the construction contract Bid No. 12221, West Lake Sammamish Parkway improvements, Phase One, from I-90 to SE 34th Street (CIP Plan No. PW-R-141), and Small Diameter Water Main Replacement near SE 40th Street (CIP Plan No. W-16) to Active Construction, Inc. as the lowest responsible and responsive bidder, in the amount of \$4,827,562.50.

On December 5, 2016, Council adopted the 2017-2023 Utilities and General CIP Plans via Ordinance No. 6333. Included in the General CIP is West Lake Sammamish Parkway Phase 2 (CIP Plan No. PW-R-183) with a total cost of \$8 million.

OPTIONS

N/A

RECOMMENDATION

N/A

ATTACHMENTS

- A. CIP Project Description (W-16) Utilities Small Diameter Water Main Replacement Program
- B. Utilities Water Main Replacement West Lake Sammamish Parkway Area Map
- C. CIP Project Description (PW-R-183) West Lake Sammamish Parkway Phase 2

AVAILABLE IN COUNCIL DOCUMENT LIBRARY

N/A