



CITY OF KIRKLAND

Department of Public Works

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www.ci.kirkland.wa.us

MEMORANDUM

To: David Ramsay, City Manager

From: Daryl Grigsby, Public Works Director
Ray Steiger, P.E., Capital Projects Manager

Date: October 9, 2008

Subject: 116th AVENUE NE NON-MOTORIZED FACILITIES – PHASE 2 (SOUTH SECTION)
CONSULTANT SELECTION AND AUTHORIZE ADDITIONAL FUNDING

RECOMMENDATION:

It is recommended that the City Council authorize the use of \$150,000 of Surface Water Utility funds to complete the design for the 116th Avenue NE Non-Motorized Facilities Project – Phase 2.

BACKGROUND DISCUSSION:

The 116th Avenue NE non-motorized project first appeared as one large project (Bellevue to NE 67th) in the 1994 – 1999 CIP (Attachment A); though the project was never completed due to failure of numerous attempts to secure external funding for construction. The project was then divided into Phase 1 (NE 60th to NE 67th) and Phase 2 (Bellevue to NE 60th), and in 2004, the City received a federal funding total of \$724,000 to complete and construct Phase 1. In 2005, the City was successful in receiving a \$266,400 federal grant to complete the Phase 2 design.

Phase 1 of the project (NE 60th to NE 67th) was substantially completed in July, 2008; only landscape restoration remains, and due to federal planting requirements, completion is expected by November, 2008. The project installed bicycle lanes on both sides of 116th Avenue NE, curb, gutter, and concrete sidewalk with ADA curb ramps on the east side of 116th Avenue NE. The protected pedestrian route completed the 116th Avenue NE pedestrian corridor between the NE 60th Street / I-405 pedestrian bridge and the Houghton Park and Ride. PW Staff anticipates the total budget necessary to complete Phase 1 will be less than the budget and will result in an overall savings.



Phase 1 pedestrian improvements



Proposed improvements to be similar to road section south of NE 40th (Bellevue's section)

Phase 2 calls for the installation of approximately 1-mile of pedestrian, bicycle, and equestrian facilities along 116th Avenue NE between NE 60th Street and the Bellevue city limits (NE 41st Street). Currently, the corridor has two 11-foot lanes with narrow shoulders; there are no pedestrian, bicycle, or equestrian facilities. Improvements include reconstructing the 11-foot lanes, constructing new 5-foot bicycle lanes, adding a landscape strip (0 to 5-foot wide), and 6-foot wide "soft surface" trail on the east side of 116th Avenue. Other improvements include installing detention and water quality treatment, relocating a portion of Yarrow Creek, constructing retaining walls and channelization. This project will provide for connection with the recently completed, 1/3-mile, 116th Avenue Improvements Phase 1 (NE 60th to NE 67th Street) and supplies the last link of pedestrian and bicycle improvements between Kirkland, Bellevue, and the I-405 pedestrian bridge.

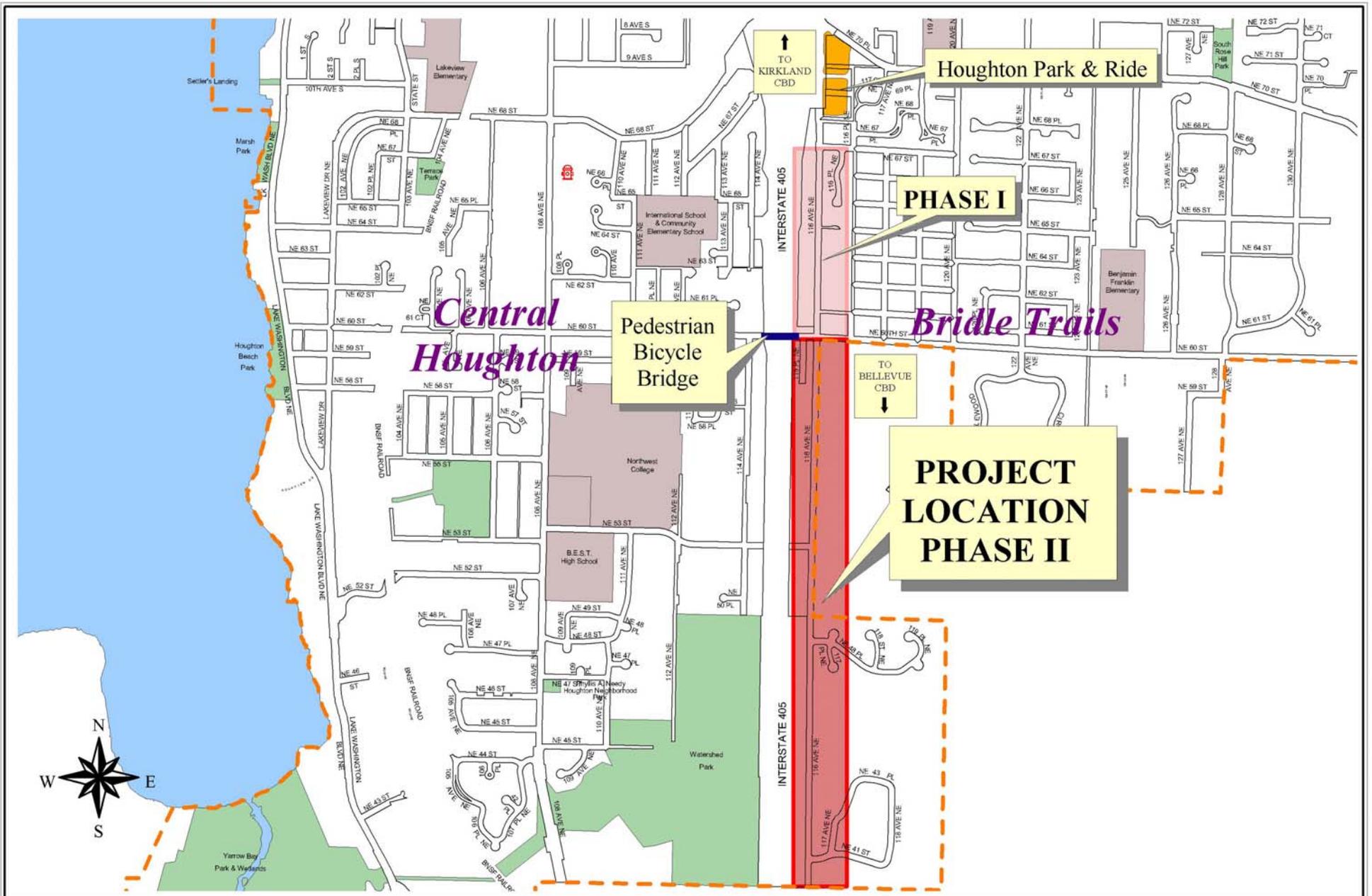
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At the time of Phase 2 grant application for design completion, estimates reflected the anticipated effort necessary to bring the design up to, at the time, current standards. However, since the 2004 grant application and subsequent award in 2005, a greater emphasis on surface water conveyance, detention and water quality has led to more restrictive surface water requirements. Additionally, given the proximity to Yarrow Creek, several wetlands, and Bridle Trail State Park, Kirkland's Low Impact Development Feasibility Study resulted in surface water flow control and water quality standards higher than traditional CIP requirements. These factors, along with significant coordination efforts with affected agencies such as WSDOT Local Programs, Department of Ecology, Corps of Engineers, NOAA Fisheries and Washington Department of Fish and Wildlife have led to an approximately \$150,000 shortfall in the current \$286,400 available engineering budget; the current construction estimate is \$4,000,000 (Attachment B). The available budget is comprised of \$20,000 (City funds) and \$266,400 (federal grant). The current estimated engineering budget; \$350,000 (consultant) + \$50,000 (in-house) + \$36,400 (contingency) is \$436,400 which is \$150,000 more than the current budget. Due to the significant surface water needs, it is proposed that the additional funds to complete the design come from the Surface Water Utility Fund (Attachment C). This project is not currently funded for construction and it is likely that federal funding will be pursued for 2013 construction. Possible grant sources include Congestion Mitigation/Air Quality, Transportation Enhancement Program, Transportation Improvement Board Urban Sidewalk, and King County Water Quality.



*Large size surface water control systems
are used on projects near sensitive areas*

Attachments: (3)



**116TH AVE NE
NON-MOTORIZED PROJECT
PHASE II**

- | | | |
|---|---|--|
|  Park and Ride |  Neighborhood Boundaries |  Fire Station |
|  Parks |  City Limits |  Post Office |
|  Schools |  City Hall |  Library |
|  Business District |  Performing Arts Center | |

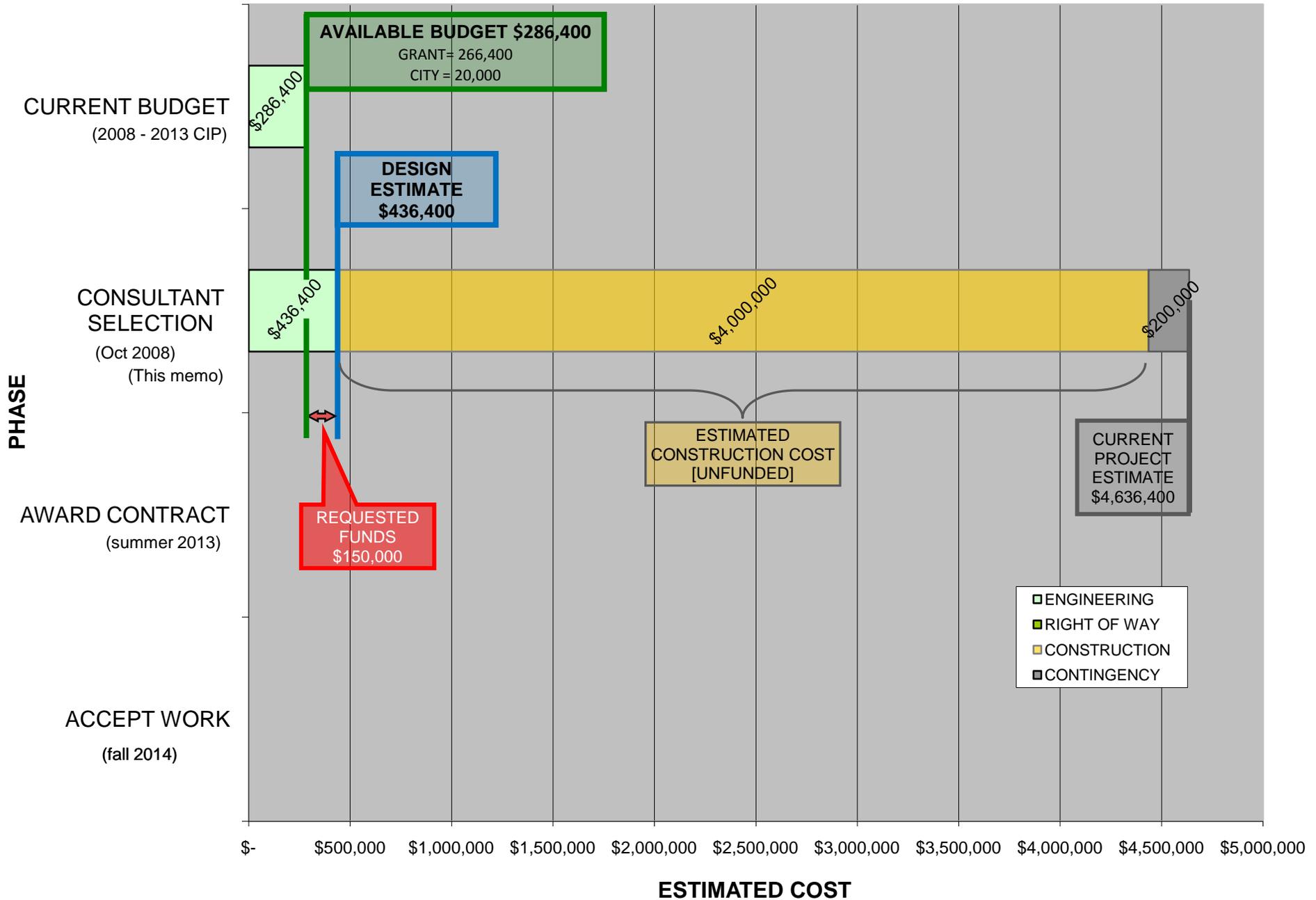


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116TH AVENUE NE NON-MOTORIZED FACILITIES – PHASE 2 (SOUTH SECTION)
PROJECT BUDGET REPORT



FISCAL NOTE

CITY OF KIRKLAND

Source of Request							
Daryl Grigsby, Public Works Director							
Description of Request							
Request for additional funding of \$150,000 from the Surface Water Transportation Reserve to complete the design for 116th Ave NE (Phase 2) Non-Motorized Facilities project (CNM 0001 423). Design costs have increased from original estimates due to significantly increased surface water control requirements and site-related issues. This project is not currently funded for construction; federal funding will likely be sought for construction in 2013.							
Legality/City Policy Basis							
Fiscal Impact							
One-time use of \$150,000 of the Surface Water Transportation Reserve designated for surface water transportation-related capital projects. The reserve is fully able to fund this request.							
Recommended Funding Source(s)							
Reserve	Description	2008 Est End Balance	Prior Auth. 2007-08 Uses	Prior Auth. 2007-08 Additions	Amount This Request	Revised 2008 End Balance	2008 Target
	Surface Water Transportation Rsv	1,417,365	236,000	0	150,000	1,031,365	see below
Prior authorized 2007-08 Use includes \$236,000 for the 116th Ave NE (North Section) Non-Motorized Facilities project C NM 0042 423. The Surface Water Transportation Reserve is the accumulated set aside for transportation-related surface water projects. There is no current target. The reserve is fully able to fund this request.							
Revenue/Exp Savings							
Other Source							
Other Information							
Prepared By	Neil Kruse, Budget Analyst			Date	October 10, 2008		