



CITY OF KIRKLAND
Department of Public Works
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MEMORANDUM

To: David Ramsay, City Manager

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

Date: April 21, 2006

Subject: 2006 STREET PRESERVATION PROJECT – AUTHORIZATION TO BID

RECOMMENDATION:

It is recommended that the City Council authorize staff to advertise for bids for the 2006 Street Preservation Project.

BACKGROUND DISCUSSION:

This project will resurface approximately 6.5 lane miles of roadway in five neighborhoods throughout the City (Attachment A). The annual street preservation project maintains and rehabilitates the City's street network through subgrade repair, grinding, and application of a new surface layer of asphalt to selected streets. Work also includes installation of new curb ramps, as required by the Americans with Disabilities Act, and replacing adjacent broken curb and sidewalk panels. In 2006, City Council established the annual sidewalk maintenance program, in part to address the sidewalk repairs associated with the Street Preservation Program. Some of that funding will be used on the project.

One of the notable streets being rehabilitated this year is State Street in the Moss Bay neighborhood. Subsurface investigations conducted on State Street during the design of the project concluded that the pavement structure was inadequate to support the heavy truck and bus traffic that uses this street. This weak structure is the primary cause of the pavement distresses observed along the length of State Street (Figures 1 & 2 below).



Figure 1. State Street Pavement and Subgrade



Figure 2. State Street Pavement Failure

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To correct this deficiency and ensure a long lasting pavement life, it is necessary to remove and reconstruct all of the asphalt and a portion of the underlying material within the travel lanes of State Street prior to resurfacing the entire width of the roadway. Due to several large development projects north of 5th Avenue South, only that portion of State Street south of 5th Avenue South will be reconstructed and resurfaced this year; the north half is scheduled for 2007.

The 2006 Street Preservation Program has a budget of \$1.8 million; \$30,000 will be used from the annual sidewalk maintenance program, and one other CIP project will contribute \$13,000 for paving associated with that project. The total funds available for the overlay project are \$1,843,000. The engineer's estimate for this project is \$1,310,000. \$88,000 of this year's budget has been allocated for the NE 52nd Street Railroad Crossing Project, as approved at the April 18, 2005 Council meeting. An additional \$85,000 has been set aside for the lease and operation costs for a street paving machine. This lease, with an option to purchase, was approved at the February 7, 2006 Council meeting. The project budget report is included as Attachment B.

With Council approval, staff will advertise for bids in early May. It is anticipated that bids will be opened on or around May 18. Staff will return to Council on June 6 with the bid results. Construction will begin in June and be completed by late fall.

In advance of the work, Public Works will notify adjacent properties with an informational mailing describing the City's Street Preservation Program. This information, along with a regularly updated construction schedule, will also be posted on the City's web site. Construction notice signs will be installed in advance of the overlay on higher volume streets and portable construction notice signs will be placed on residential streets a few days prior to construction. Supplemental notices will also be distributed to all adjacent homes and businesses at least 24 hours prior to construction. As this project also includes a significant amount of sidewalk and ramp reconstruction, Staff will ensure safe travel for pedestrians throughout the work areas at all times.

Attachments: (2)



Public Works Department

CST-0606 STREET PRESERVATION PROGRAM

2006 Asphalt Overlay

2006 STREET OVERLAY PROJECT

- ROSS BAY**
- *1* STATE ST - NE 68TH ST TO 5TH AVE S (3/31/06)
- NE 100TH**
- *2A* 7TH AVE - 1ST ST TO 6TH ST (3/31/06)
- *2B* 3RD ST - CENTRAL WAY TO 7TH AVE
- MARKET**
- *4A* 7TH AVE W - MARKET ST TO 2ND ST W
- *4B* 2ND ST W - WAVERLY WAY TO MARKET ST
- HIGHTON**
- *5A* NE 60TH ST - 108TH AVE NE TO 112TH PL NE
- *5B* NE 59TH ST - 108TH AVE NE TO 110TH AVE NE
- *5C* 110TH AVE NE - NE 59TH PL TO NE 60TH ST
- *5D* 111TH PL NE - NE 60TH ST TO NE 62ND ST
- EVERETT**
- *6A* 116TH AVE NE - KIRKLAND AVE TO SLATER ST
- *6B* SLATER ST - KIRKLAND AVE TO 2ND AVE
- *6C* KIRKLAND AVE - SLATER ST TO 116TH AVE NE



PROJECT BUDGET REPORT

2006 Street Preservation Project (CST-0606)

