



DATE: June 21, 2016

CATEGORY: Consent

DEPT.: Public Works

TITLE: **Street Resurfacing and Slurry Seal Program, Projects 15-01 and 16-01 – Approve Plans and Specifications/ Authorize Bids**

RECOMMENDATION

1. As Board of Directors of the Shoreline Regional Park Community, appropriate and transfer \$217,000 from the Shoreline Regional Park Community (Shoreline Community) Fund to 2015-16 Street Resurfacing and Slurry Seal Program, Project 16-01.
2. Appropriate the transfer from the Shoreline Community Fund of \$217,000 in the 2015-16 Street Resurfacing and Slurry Seal Program, Project 16-01. (Five votes required)
3. Transfer and appropriate \$217,000 from 2015-16 Street Resurfacing and Slurry Seal Program, Project 16-01, back to the Construction/Conveyance Tax Fund. (Five votes required)
4. Approve plans and specifications for the 2014-15 Street Resurfacing Program, Project 15-01, and 2015-16 Street Resurfacing and Slurry Seal Program, Project 16-01, and authorize staff to advertise the project for bids.
5. Authorize the City Manager to award the construction contract to the lowest responsible bidder if the low bid is within the combined project budget.

BACKGROUND

Each year, the Public Works Department undertakes preventive maintenance of City streets through the annual street resurfacing and slurry seal programs. These programs reduce the overall cost of street maintenance by extending the pavement's service life and preventing the need for more costly patching or reconstruction.

Street resurfacing typically involves spreading a 1" or greater layer of asphalt over the existing surface every 15 to 20 years. Slurry sealing involves applying a thin coat of

liquid asphalt and fine aggregate mixture to the surface of smaller (residential and collector) streets at approximately 8- to 10-year intervals while the structural integrity of the street is intact. With both methods, localized failures of the existing pavement surface are repaired prior to spreading the asphalt or slurry seal. Each year, Public Works staff selects streets for resurfacing or slurry seal based on pavement condition and a field assessment.

ANALYSIS

Two years ago, due to workload and other factors, the City fell behind on annual street resurfacing projects. Staff recommends bidding two years of annual projects together (2014-15 and 2015-16) to catch up and to take advantage of the economies of scale of a larger project. The streets recommended for resurfacing and slurry seal with the combined projects are shown in Attachment 1 – Street Improvement List.

The slurry seal component (as shown in the Fiscal Impact Section below) is a larger percentage of the funding than in most years for several reasons. Two major projects are under way that will also include overlays on arterial streets and are not part of the annual street resurfacing project. These projects are the interim bus lane on Shoreline Boulevard and the Federally funded overlays of Charleston Road (between Rengstorff Avenue and the City of Palo Alto), Old Middlefield Way (between Spring Street and Rengstorff Avenue), and Rengstorff Avenue (between Central Expressway and Middlefield Road). Development or utility work is occurring on several other overlay candidate streets, including Grant Road and Fairchild Avenue, and so they are not included in the current project. Staff will include these streets in an upcoming overlay project when this private development work is complete.

The estimated project cost is as follows:

Construction (including contingency)	\$1,820,000
Crack Seal (by staff)	30,000
Pavement Base Repair (by staff)	30,000
Engineering and Design	70,000
Inspection and Testing	70,000
Miscellaneous	<u>5,000</u>
Subtotal	2,025,000
Administration @ 6.5%	<u>132,000</u>
TOTAL PROJECT COST	<u><u>\$2,157,000</u></u>

The project includes overlay on Shoreline Boulevard between Space Park Way and Charleston Road and base repair work on Charleston Road near Amphitheatre Parkway at an estimated cost of \$380,000. Because these streets are located in the North Bayshore Area, it is appropriate to replace \$217,000 of the Construction/Conveyance Tax Fund with the Shoreline Regional Park Community Fund to cover the cost of this work. Combined with existing Shoreline Regional Park Community Funding of \$163,000, the project funding will correspond with the value of the work in the Shoreline Community.

Plans and specifications are on file in the Public Works Department. If the recommended actions are approved, construction is expected to begin in September 2016 and be completed by November 2016.

FISCAL IMPACT

If the recommended transfers are approved, the funding sources for each project are as follows (in thousands):

	Gas Tax	Construction/ Conveyance Tax	Shoreline Community	Strategic Property Requisition Reserve	Total
Resurfacing Project 15-01	\$724	\$80	\$57	\$0	\$861
Resurfacing and Slurry Seal Project 16-01	\$739	\$267	\$323	\$50*	\$1,379
Total	\$1,463	\$347	\$380	\$50	\$2,240

* At the May 17, 2016 Council meeting, \$50,000 was appropriated and transferred from the Strategic Property Acquisition Reserve Fund to 2015-16 Street Resurfacing and Slurry Seal Program, Project 16-01, to improve a temporary parking lot at View and Villa Streets. The parking lot improvements include base repairs, installing surface treatment such as slurry seal, and restriping the parking lot.

The estimated project cost is within the project budget.

ALTERNATIVES

1. Bid and construct the projects separately.
2. Select other candidates for street improvements.
3. Provide other direction.

PUBLIC NOTICING

Agenda posting. Staff will provide notification of work to affected property owners/ residents prior to construction.

Prepared by:

Quan Tran
Associate Engineer

Reviewed by:

Lisa Au
Principal Civil Engineer

Approved by:

Michael A. Fuller
Public Works Director

Daniel H. Rich
City Manager

QT/3/CAM
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Attachment: 1. Street Improvement List

cc: CMVGIS@mountainview.gov