



**DATE:** March 24, 2015

**CATEGORY:** Consent

**DEPT.:** Public Works

**TITLE:** **2013-14 Street Resurfacing Program, Project 14-01, and 2013-14 Slurry Seal Program, Project 14-03 – Approve Plans and Specifications/Authorize Bids**

### **RECOMMENDATION**

1. Authorize the transfer of Gas Tax funding and amend appropriations in the amount of \$60,000 from 2013-14 Street Resurfacing Program, Project 14-01, to 2013-14 Slurry Seal Program, Project 14-03. (Five votes required)
2. Approve plans and specifications for 2013-14 Street Resurfacing Program, Project 14-01, and 2013-14 Slurry Seal Program, Project 14-03, and authorize staff to advertise the project for bids.
3. Authorize the City Manager to award the construction contract to the lowest responsible bidder if the low bid is within the 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" to 2" 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. Streets are selected for resurfacing or slurry seal each year based on pavement condition and a field assessment performed by Public Works staff.

## ANALYSIS

Six streets were selected for resurfacing and 10 for slurry seal as shown in Attachment 1 – Street Improvements List.

Because these two projects involve similar methods of repair and contractor licensing requirements, they are being combined into one bid package to take advantage of the economy of scale of a larger project and for more efficient construction contract administration.

In recent years, the City received grants to use rubberized asphalt which is a road paving material that includes material from ground-up recycled tires. The cost of rubberized asphalt is approximately 25 percent to 30 percent more than conventional asphalt. Other project costs are not affected, so the overall project cost is approximately 10 percent higher. The grant program reduced the amount of money available to each applicant over time, so the City is now eligible for a grant equal to 10 percent of the cost difference between conventional and rubberized asphalt. In addition, some of the City's past rubberized asphalt street projects are not holding up well. Because of limited financial resources available for street resurfacing and staff's continuing evaluation of the recent experience with rubberized asphalt, staff recommends that this year's street resurfacing project use conventional asphalt.

With conventional asphalt, the estimated project cost is as follows:

|                                      |                  |
|--------------------------------------|------------------|
| Construction (including contingency) | \$703,000        |
| Crack Seal (by staff)                | 10,000           |
| Pavement Base Repair (by staff)      | 25,000           |
| Engineering and Design               | 70,000           |
| Inspection and Testing               | 40,000           |
| Miscellaneous                        | <u>2,000</u>     |
| Subtotal                             | \$850,000        |
| Administration @ 6.5%                | <u>56,000</u>    |
| TOTAL                                | <u>\$906,000</u> |

With rubberized asphalt, the estimated project cost would be \$1,000,000.

Plans and specifications are on file in the Public Works Department. In accordance with the requirements of the California Environmental Quality Act (CEQA), these projects

have been determined to be categorically exempt because they consist of maintenance of existing streets and do not expand the use beyond existing conditions.

If the recommended actions are approved, construction is expected to begin in June 2015 and be complete in August 2015.

### **FISCAL IMPACT**

The funding sources for Projects 14-01 and 14-03 are shown in the table below:

#### **PROJECT FUNDING SOURCES**

|                             | <b>Gas Tax</b>   | <b>Construction/<br/>Conveyance Tax</b> | <b>Shoreline<br/>Community</b> | <b>Total</b>     |
|-----------------------------|------------------|-----------------------------------------|--------------------------------|------------------|
| Resurfacing (Project 14-01) | \$709,000        | \$79,000                                | \$56,000                       | \$844,000        |
| Slurry Seal (Project 14-03) | 111,000          | 12,000                                  | -0-                            | 123,000          |
| <b>TOTAL</b>                | <b>\$820,000</b> | <b>\$91,000</b>                         | <b>\$56,000</b>                | <b>\$967,000</b> |

The combined funding is \$967,000, and the estimated combined project cost is \$906,000.

Based on the pavement condition determined during a recent field assessment, staff recommends transferring funding from the resurfacing program (\$60,000) to the slurry seal program this year. Spending more on less costly slurry sealing will save maintenance dollars by deferring the need for more costly resurfacing of these streets in the future. Since the two projects are being combined into one bid package, there will be no impact to the overall project funding.

The budget and estimated costs of each project are as follows:

| <b>Project Name</b>                               | <b>Current<br/>Budget</b> | <b>Proposed<br/>Budget</b> | <b>Estimated<br/>Cost</b> |
|---------------------------------------------------|---------------------------|----------------------------|---------------------------|
| 2013-14 Street Resurfacing Program, Project 14-01 | \$844,000                 | \$784,000                  | \$731,000                 |
| 2013-14 Slurry Seal Program, Project 14-03        | 123,000                   | 183,000                    | 175,000                   |
| <b>TOTAL</b>                                      | <b>\$967,000</b>          | <b>\$967,000</b>           | <b>\$906,000</b>          |

### **ALTERNATIVES**

1. Direct staff to use rubberized asphalt instead of conventional asphalt. The project scope could be reduced or additional funds allocated to the budget.
2. Bid and construct the projects separately.
3. Do not proceed with this street resurfacing and slurry seal project at this time.
4. Provide other direction.

### **PUBLIC NOTICING**

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

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QT/7/CAM  
928-03-24-15CR-E

Attachment: 1. Street Improvements List