



TO THE HONORABLE MAYOR AND COUNCIL:

DATE: June 23, 2015

SUBJECT: AUTHORIZE PURCHASE OF ONE ASPHALT ZIPPER IN THE AMOUNT OF \$169,490 THROUGH HGACBUY (FUNDED BY MEASURE Q)

Report in Brief

Localized pavement and pothole repair activities are a critical component of a comprehensive pavement management program. Staff and the Infrastructure and Franchise Committee are recommending the purchase of an Asphalt Zipper to aid Public Works staff in proper repair methods while improving the productivity and efficiency of the pavement maintenance program.

Background

On April 22, 2015 the Infrastructure and Franchise Committee received a staff report and recommendation on the use of Measure Q lease financing funds for the purpose of pavement management expenditures. The Committee concurred with the three pronged approach recommended by staff which includes: a) pavement/pothole repair; b) local street maintenance and resurfacing; and c) arterial and collector street maintenance and resurfacing.

With regard to Item (a) of the three-pronged approach referenced above, the in-house pavement/pothole repair work that is already occurring will be expanded upon and improved. Pavement/pothole repair methodologies currently performed by in-house staff vary depending on the situation; however, the proper solution often requires excavating damaged asphalt to repair the underlying issue that is causing the failure. Asphalt removal techniques currently used by staff are time consuming and require the hauling and disposing of materials. A more efficient alternative to current staff technique involves removal via grinding the asphalt and turning it into reusable material.

The staff recommendation that accompanied Item (a) of the three pronged approach included a \$50,000 increase to the annual operations budget for asphalt materials and the one-time purchase of an Asphalt Zipper. The "Asphalt Zipper" is an asphalt grinding machine that attaches to a backhoe or loader. The machine grinds or mills the asphalt (depending on need) and turns it into material that can be reused onsite to repair the underlying base failure or to improve the shoulder. Alternatively the grinding material can be stored for use at other projects requiring base material. Asphalt removal via grinding is a more efficient process when compared to other techniques used by staff; and by grinding asphalt staff can execute a better quality and more permanent repair job.

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Discussion

HGAC Buy makes materials, equipment and services available to public agencies by facilitating the competitive procurement process. Public agencies that are eligible to contract with HGAC include non-profit corporation, county, municipality, special district, or other political subdivision of a state. HGAC makes the governmental procurement process more efficient by establishing competitively priced contracts for goods and services, and providing the customer service necessary to help achieve procurement goals.

Staff and the Infrastructure and Franchise Committee discussed the use of the Asphalt Zipper during the April 22, 2015 Committee meeting. The equipment purchase includes a trailer to transport the grinding machine, and the City already owns the backhoe to which the machine would be attached. The Committee members and staff determined that the equipment, combined with the additional \$50,000 of operational funds for asphalt material purchases, is the recommended first component of the three-pronged pavement management approach to using the comprehensive pavement management program, and recommends purchasing the machine.

Once ordered, it will take approximately four (4) months to receive the Asphalt Zipper; the machines are built to order and production will begin as soon as a purchase order has been issued.

Fiscal Impact

In March 2015, the City Council authorized the City to enter into a lease finance agreement, utilizing a portion of the anticipated revenues from the reauthorization of the Measure Q half cent sales tax. The purpose of the debt financing was to allow a quicker investment in addressing the City's street maintenance needs. \$22,435,000 in net proceeds has been made available through this mechanism to address infrastructure needs.

Public Contact

Posting of the Agenda.

Recommendation for Action

Staff and the Infrastructure and Franchise Committee recommend purchasing one Asphalt Zipper in the amount of \$169,490 through HGACBuy.



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