



Staff Report

TO: Mayor, and City Council Members
FROM: Jeff Hart, Public Works Director
DATE: January 07, 2020
SUBJECT: Updates of the Annual Slurry Seal Project (CIP2019-001), Alleyway Rehabilitation Project (CIP2018-003), Beaumont Avenue Rehabilitation Project (CIP2018-004 & CIP2019-002), Beaumont Avenue Signalization Study (CIP2019-017), and the City Crack Sealing Operation

Background and Analysis:

Annual Slurry Seal Project (CIP2019-001) Update:

The City's annual slurry seal project will apply slurry seal to approximately 213,800 square yards (7.1 centerline miles) of existing street surfaces throughout the City (refer to Attachment A for location and limits of the project). The slurry seal project funding is provided by a combination of Measure 'A' and road maintenance and rehabilitation account (RMRA) funds in accordance with the Road Repair and Accountability Act of 2017 (SB-1). The project has a budget of \$1,000,000.

On December 10, 2019, the Public Works department received the final plans and specifications for review. It is anticipated the project will be advertised for bidding in January and presented to City Council for award in February 2020. The project has a 60 calendar-day construction duration.

Alleyway Rehabilitation Project (CIP2018-003) Update:

The Alleyway Rehabilitation Project will remove and replace approximately 9,000 square feet of asphalt concrete (AC) along the alley, east of Beaumont Avenue, between 9th Street and 10th Street (refer to Attachment A for location and limits of the project). The Alleyway Rehabilitation Project funding is provided by alley in-lieu DIF funds, which has a budget allocation of \$34,000.

Michael Baker International (MBI), the design consultant, provided completed project and specifications plans at the end of December. It is anticipated that the project will be advertised for bidding in January and presented to City Council for award in February 2020. The project has a 60 calendar-day construction duration.

Beaumont Avenue Rehabilitation Project (CIP2018-004 & CIP2019-002) Update:

The Beaumont Avenue Rehabilitation Project will remove and replace approximately 40,000 square feet of AC, and grind and overlay approximately 525,000 square feet of existing AC with 3 inches of new AC paving. The combined efforts will place approximately 5,700 tons of new AC paving along 2.3 centerline miles of Beaumont Avenue. This project occurs along Beaumont Avenue, from 5th Street to Brookside Avenue (refer to Attachment A for location and limits of the project). Beaumont Avenue Rehabilitation Project funding is provided by a combination of Measure 'A' and SB-1 funds. This project has a budget of \$2,234,000, however, based on current funding levels and bid results, the project will be phased over the next few years.

Michael Baker International (MBI), the design consultant, provided completed project and specifications plans at the end of December. It is anticipated that the project will be advertised for bidding in January and presented to City Council for award in February 2020. The project has a 60 calendar-day construction duration.

Beaumont Avenue Signalization Study (CIP2019-017) Update:

On April 16, 2019, City Council awarded MBI the contract to perform a traffic study analyzing the intersection along Beaumont Avenue, from 6th Street to Oak Valley Parkway. The focus of the study was to determine which intersections, if any, can be signalized. The study was funded with Traffic Signal DIF funds with a budget of \$14,470.

MBI provided a 95% study on July 30, 2019, in which staff reviewed and identified several areas where additional analysis was required. MBI submitted a final study on December 6, 2019, in which staff reviewed and accepted. The total cost of the study, including the final invoice, is anticipated to not exceed \$14,470.

The results of the Beaumont Avenue Signalization Study show that traffic signal warrants are not currently met based on the Existing Year 2019 traffic volumes. The operations analysis results show that all locations currently operate at acceptable levels (LOS D or better overall, or on all individual movements). While signal warrants are not currently met, if growth occurs in the area, it is most likely that the intersections of Beaumont Avenue and E. 12th Street, and Beaumont Avenue and E. 8th Street will require signalization in the future.

An assessment of the left turn movements at the intersection of Beaumont Avenue and E. 6th Street showed that the eastbound and westbound left turn movements are below the volume thresholds which would require protected movements.

An evaluation of conversion from four-way stop conditions to two-way stop conditions shows that two (2) of the four (4) intersections analyzed are potential candidates for conversion based upon the level of service operations analysis. The potential candidates for a four-way to two-way stop conversion are Beaumont Avenue at 9th Street, and Beaumont Avenue at 10th Street. MBI is concluding the analysis on whether

these two potential intersections should be converted. It is anticipated that MBI will conclude the analysis in January.

City Crack Sealing Operation Update:

On May 21, 2019, City Council approved the purchase of a crack seal machine. Since then, City staff has performed crack sealing on approximately 16,100 linear feet (3.0 centerline miles) of existing AC paving. Furthermore, as part of the Fiscal Year 19/20, staff is projecting an additional 63,800 linear feet (12.1 centerline miles) of crack sealing (refer to Attachment A for location and limits of the Fiscal Year 19/20, City Crack Seal Operation). The City crack seal operation is funded by Measure 'A' and local funds.

Fiscal Impact:

The cost to prepare the staff report is approximately \$350.

Recommended Action:

Receive and file updates for the Annual Slurry Seal Project (CIP2019-001), Alleyway Rehabilitation Project (CIP2018-003), Beaumont Avenue Rehabilitation Project (CIP2018-004 & CIP2019-002), Beaumont Avenue Signalization Study (CIP2019-017), and the City Crack Sealing Operation.

Attachments:

- A. 19_20 FY Street Capital Improvement Projects