

CITY COUNCIL AGENDA REPORT

April 20, 2021
Engineering

TITLE: ACCEPT PUBLIC IMPROVEMENTS PERFORMED BY BAY CITIES PAVING & GRADING, INC. FOR THE ANNUAL STREET RESURFACING AND PREVENTATIVE MAINTENANCE PROJECT, CIP NO. 20503

SUMMARY

This project consisted of full-width pavement overlay on approximately 1.4 million square feet of existing asphalt pavement and isolated full-depth pavement repairs in preparation for approximately 1.9 million square feet of existing asphalt pavement that was slurry sealed. This project included various streets within the City of Pleasanton that were prioritized for treatment through the City's Pavement Management Program. City Council awarded this construction contract to Bay Cities Paving & Grading, Inc. on June 16, 2020. Construction of the project is now complete and ready for City Council acceptance.

RECOMMENDATION

1. Accept the improvements and authorize the City Clerk to file a Notice of Completion.
2. Authorize the payment of the retention in the amount of \$207,480 to Bay Cities Paving & Grading, Inc. 30 days after the recordation of the Notice of Completion.
3. Authorize the transfer of \$282,440 remaining in the project account to Annual Street Resurfacing, CIP No. 21503.

FINANCIAL STATEMENT

Funding for this project totaled \$4,568,590 including the anticipated reimbursement amount of \$24,200 from AT&T. Funding sources for this project include Measure B/BB, Measure F, SB1, and local funds. Expenditures totaled \$4,286,150 leaving a balance of \$282,440 in the project fund. Staff recommends the remaining balance be transferred the Annual Street Resurfacing planned for summer 2021. Due to the amount of concrete work found to be necessary on the streets that are programmed for repair in the 2021 project, CIP No. 21503 has a shortfall in funding that will be covered by this recommended transfer.

BACKGROUND

On June 16, 2020, City Council awarded the contract to the lowest responsible bidder, Bay Cities Paving & Grading, Inc. in the amount of \$3,882,081 and authorized the Director of Engineering to approve change orders up to the project contingency amount of \$504,670.

The streets repaired under this project were prioritized for treatment through the City's Pavement Management Program. There were two components to this project: the first component was the roadway repaving; the second component was pavement preparation work on streets that would receive slurry sealing treatment under a separate project.

DISCUSSION

The first component of the project consisted of repaving approximately 1.4 million square feet of pavement with a new layer of asphalt concrete (overlay), as well as some isolated full-depth pavement repairs prior to the overlay, adjusting utility covers to-grade, installing traffic signal vehicle detection loops, and, finally, traffic striping. The roadway repaving was performed on the following streets:

STREET NAME	BEGIN LOCATION	END LOCATION	AREA	TREATMENT
SANTA RITA RD	WEST LAS POSITAS BLVD	OLD SANTA RITA RD	94,025	OL/F
SANTA RITA RD	STONERIDGE DR	WEST LAS POSITAS BLVD	152,990	OL/F
SANTA RITA RD	STONERIDGE DR	MOHR AVE	220,195	OL/F
ANDREWS DR	OWENS DR	OLD SANTA RITA RD	85,123	OL
APACHE DR	WEST LAS POSITAS BLVD	END/CROW CT/APACHE CT	13,783	MILL/FILL
APACHE CT	APACHE DR	END	10,672	MILL/FILL
CROW CT	APACHE DR	END	10,503	MILL/FILL
MOHR AVE	SANTA RITA RD	KOLLN ST	21,000	OL
MOHR AVE	KOLLN ST	OLD RR XING	23,766	OL
MOHR AVE	OLD RR XING	KAMP DR	22,000	OL
MOHR AVE	KAMP DR	400FT E/O NURSURY DR	35,000	OL
FIRST ST	VINEYARD AVE	W/O STANLEY BLVD	65,848	OL/F
STANLEY BLVD	W/O STANLEY BLVD	CALIFORINA AVE	140,216	OL/F
ALVARADO ST	SANTA RITA RD (FRONTAGE)	KOLLN ST	37,283	OL/F
GRAHAM ST	SANTA RITA RD (FRONTAGE)	KOLLN ST	38,987	OL/F
SCHOOL ST	SANTA RITA RD (FRONTAGE)	KOLLN ST	40,830	OL
JENSEN ST	SANTA RITA RD (FRONTAGE)	KOLLN ST	43,011	OL
KOLLN ST	NEVIS ST	JENSEN ST	33,625	OL/F
SANTA RITA RD FRONTAGE	FRANCISCO ST	S/O WELLS ST	50,344	OL/F
SANTA RITA RD FRONTAGE	S/O WELLS ST	S/O JENSEN ST	35,806	OL/F
WEST ANGELA ST	MAIN ST	FIRST ST	22,167	OL
NEAL ST	MAIN ST	FIRST ST	32,358	MILL/OL

BLACK AVE	CRESTLINE RD	GREENWOOD RD	85,876	OL/F
SUTTERGATE	SANTA RITA	MOHR AVE	90,870	OL/F

The second component of the project consisted of preparatory work for slurry sealing, which was performed under a separate project. The preparatory work included isolated full-depth pavement repair and crack sealing. Approximately 1.9 million square feet of roadway surface was slurry sealed after the preparatory work on the following streets:

STREET NAME	BEGIN LOCATION	END LOCATION	LENGTH	WIDTH	EST. AREA
ROCKINGHAM DR	WEST LAS POSITAS BLVD	WEST LAS POSITAS BLVD	1,620	34	55,080
MONMOUTH CT	ROCKINGHAM DR	END	580	33	21,342
ROYALTON CT	ROCKINGHAM DR	END	390	33	15,072
NORTHAMPTON CT	ROCKINGHAM DR	END	377	33	14,643
PICADILLY CT	ROCKINGHAM DR	END	446	33	16,920
FLEMINGTON CT	WEST LAS POSITAS BLVD	END	792	33	28,338
LANSDOWN CT	WEST LAS POSITAS BLVD	END	570	33	23,060
CAMDON CT	WEST LAS POSITAS BLVD	END	396	33	15,270
WEYMOUTH CT	WEST LAS POSITAS BLVD	END	580	33	29,280
VALDOSTA CT	MARIMONT DR	END	194	29	8,140
SUFFOLK WAY	WEST LAS POSITAS BLVD (WEST)	WEST LAS POSITAS BLVD (EAST)	1,486	33	49,038
BERKSHIRE CT	WEST LAS POSITAS BLVD	END	514	33	23,562
CRANWOOD CT	WEST LAS POSITAS BLVD	END	510	33	23,330
THISTLEDOWN CT	WEST LAS POSITAS BLVD	END	600	33	28,550
GRESHAM CT	FAIRLANDS DR	END	192	29	8,082
DICKENS CT	FAIRLANDS DR	END	196	29	8,198
CHIPPENDALE CT	FAIRLANDS DR	END	192	29	8,082
CHELSEA CT	FAIRLANDS DR	END	265	33	10,947
BROCKTON DR	FAIRLANDS DR	PIMLICO DR	609	37	22,533
KOLLN ST	MOHR AVE	VALLEY AVE	2,599	37	96,163
WAYCROSS CT	KOLLN ST	END	400	33	15,402
CRISFIELD LANE	KOLLN ST	END	470	33	17,712
DUNDALK CT	KOLLN ST	END	360	33	14,082
COTTERELL CT	CRISFIELD LANE	END	236	29	9,358
MAIRMONT DR	KOLLN ST	VALDOSTA CT	475	33	17,877
LIGHTLAND CT	MARIMOUNT DR	END	162	29	7,212
HAZELHURST CT	KOLLN ST	END	516	33	19,230
HAYFORD CT	KOLLN ST	END	112	48	6,408
MORGANFIELD CT	KOLLN ST	END	520	33	19,362
MORGANFIELD RD	SANTA RITA RD	KOLLN ST	858	37	31,746
RENNELWOOD WAY	KOLLN ST (SOUTH)	KOLLN ST (NORTH)	1,374	29	39,846
PEREGRINE WAY	KOLLN ST (SOUTH)	KOLLN ST (NORTH)	1,374	38	52,212
GARATTI CT	KOLLN ST	END	545	33	20,187
CRISTOBAL WAY	SANTA RITA RD (FRONTAGE)	ALVARADO ST	1,161	33	38,313
CID WAY	ALVARADO ST	KOLLN ST	1,034	33	34,122

NEVIS ST	SANTA RITA RD (FRONTAGE)	KOLLN ST	1,046	33	34,518
WELLS ST	SANTA RITA RD (FRONTAGE)	NEVIS ST	620	33	20,460
KOLLN ST	NEVIS ST	NORTH END	1,746	37	64,602
VALLEY AVE	HOPYARD RD	SANTA RITA RD	6,742	61	411,262
RAVEN RD	GREENWOOD RD (SOUTH)	GREENWOOD RD (NORTH)	2,590	37	95,830
HUMMINGBIRD RD	CRESTLINE RD	RAVEN RD	1,403	33	46,299
CANARY DR	RAVEN RD	GREENWOOD RD	931	33	30,723
LIN GATE ST	SUTTERGATE AVE	END	794	33	29,063
SILVER ST	SANTA RITA RD (FRONTAGE)	KOLLN ST	1197	33	39,495
BLACKBIRD WAY	WOODTHRUSH DR (SOUTH)	WOODTHRUSH DR (NORTH)	1,246	33	41,118
MINIVET CT	BLACKBIRD DR	END	288	33	11,706
MALLARD DR	BLACKBIRD DR	CRESTLINE RD	875	37	32,375
SANDERLING DR	WOODTHRUSH DR	RAVEN RD	746	33	24,618
MCHENRY GATE WAY	MOHR AVE	SUTTERGATE AVE	1,308	33	43,164
MOHR AVE	MCHENRY GATE WAY	ROSS GATE WAY	1,067	38	40,546
MOHR AVE	ROSS GATE WAY	WOODTHRUSH DR	203	38	7,714

Consulting Services

Material testing was completed on the project in accordance with the City's quality assurance plan. These services, totaling \$19,170, were performed through an existing on-call contract with ENGeo, Inc.

Change Orders

The following change orders resulted in a net increase of \$267,526 to the construction contract:

1. Extra work was performed on Neal Street for an additional \$41,913 for installation of paving mat and leveling asphalt. This street was scheduled for cold-plane milling and overlay. During the cold-plane/milling operation to remove the existing asphalt pavement, the unforeseen concrete deck was encountered approximately 1.5 inches below the existing pavement surface. In addition to asphalt paving, a layer of thin asphalt and a layer of paving mat was installed to minimize the reflective cracking.
2. Twenty-four AT&T manholes were lowered and adjusted to the finished paving grade for an additional cost of \$24,200. These facility adjustments were performed by Bay Cities Paving & Grading, Inc. at the request of AT&T as they could not meet the City's schedule to perform this work. The work is in the process of being reimbursed by AT&T.
3. Enhanced striping was placed at Santa Rita Road/Stoneridge Drive for an additional cost of \$7,506 to be consistent with other crosswalks near the Iron Horse Trail crossings.

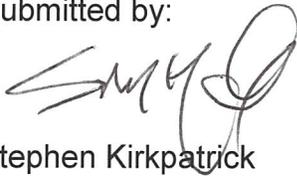
4. An adjustment of \$121,605 to material cost was made to compensate for the increase in oil cost based on the Oil Price Index. The project's specifications allow for the adjustment in oil used on the project if the Oil Index exceeds 5 percent in cost between the bid date and the month of actual asphalt placement. The Oil Price Index was at a historical low during the bid period in May 2000 but steadily increased during construction.
5. Extra work to address failing subgrade and crack seal failure was performed on West Angela Street and Apache Drive for an additional cost of \$85,349. Uneven and distressed pavement surfaces at numerous locations on West Angela Street were observed after paving operations due to a curing issue with the recently placed crack seal material. A complete removal and repaving of West Angela was performed to eliminate potential future maintenance and provide a smooth ride quality on new pavement surface to the downtown area. Unstable subgrade was encountered on Apache Drive and Apache Court during the finishing rolling operation. These unstable areas were repaired with a separate deep-lift operation.
6. Traffic control had to be adjusted at Arroyo Mocho and Santa Rita bridge to accommodate paving at night for an additional cost of \$933.
7. The balancing change order for a net decrease of (\$13,980) resulted from the difference between the contract quantities constructed and the Engineer's Estimate of quantities within the bid documents.

Budget

Funding for this project totaled \$4,568,590, including the anticipated reimbursement amount of \$24,200 from AT&T. Funding sources for this project includes Measure B/BB, Measure F, SB1, and local funds. Expenditures totaled \$4,286,150, leaving a balance of \$282,440 in the project fund. Staff recommends the remaining balance be transferred to the Annual Street Resurfacing Project, CIP No. 21503, which is the funding source for street rehabilitation project planned for the summer of 2021. Due to the amount of concrete work found to be necessary on the streets that are programmed for repair in the 2021 project, CIP No. 21503 has a shortfall in funding that will be covered by this recommended transfer.

The work has been completed to the Director of Engineering's satisfaction and it is recommended that the project be accepted as complete.

Submitted by:



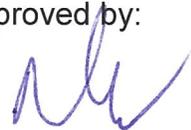
Stephen Kirkpatrick
Director of Engineering

Fiscal Review:



Tina Olson
Director of Finance

Approved by:



Nelson Fialho
City Manager

Attachment:

1. Funding and Expenditure Summary

**ANNUAL STREET RESURFACING & PREVENTATIVE
MAINTENANCE PROJECT, CIP NO. 20503**

06/16/20

<u>Project Funding to Date</u>	<u>Amount</u>	<u>Totals</u>
2019-20 CIP Allocation (Fund 160 - Gas Tax)	\$1,220,000	
2019-20 CIP Transfer from CIP No. 20505 (Fund 160 - Gas Tax)	\$250,000	
2019-20 CIP Transfer from CIP No. 20504 (Fund 160 - Gas Tax)	\$135,000	
2019-20 CIP Allocation (Fund 164 - Measure B)	800,000	
2019-20 CIP Allocation (Fund 166- Measure F)	350,000	
2019-20 CIP Transfer from MF (Fund 166- Measure F)	500,000	
2019-20 CIP Allocation (Fund 170- Measure BB)	730,000	
2019-20 CIP Transfer from Streets (Fund 211 - STR CIP)	559,390	
Total Project Funding to Date	\$4,544,390	
<u>Anticipated Reimbursement From AT&T</u>		
AT&T (Utility Cover Adjustment Reimbursement)	\$24,200	
TOTAL PROJECT FUNDING		\$4,568,590
<u>Project Expenditures to Date</u>		
Advertising	\$178	
Bay Cities Paving & Grading, Inc.- Construction Contract	\$3,882,081	
Bay Cities Paving & Grading, Inc.- Change Orders	267,526	
Econolite (Traffic Loops)	10,324	
West Coast Arborists (Tree Trimming)	54,756	
Pavement Management System - MTC	12,840	
Engeo - Testing Services (On-Call Contract)	19,170	
Pakpour (On-Call Contract) - Engineering Design Support	7,634	
Carlson Management (On-Call Contract) - Engineering Design Support	29,783	
Miscellaneous Supplies - HD Supply (Paint)	1,859	
TOTAL PROJECT EXPENDITURES		\$4,286,150
<u>Funding Balance/ (Shortfall)</u>		
Current (Shortfall) - Transfer Remaining Balance to CIP No. 21503		282,440