



# Memorandum

**TO:** HONORABLE MAYOR AND  
CITY COUNCIL

**FROM:** John Ristow

**SUBJECT: 2019 MAJOR STREETS  
REMOVE & REPLACE ASPHALT  
CONCRETE PAVEMENT PROJECT**

**DATE:** March 13, 2019

Approved

Date

3/14/19

## RECOMMENDATION

- (a) Approve award of a construction contract for the 2019 Major Streets Remove and Replace Asphalt Concrete Pavement Project, to the low bidder, G. Bortolotto & Company, Inc. in the amount of \$2,601,460.
- (b) Approve a ten percent contingency in the amount of \$260,146.

## OUTCOME

Approval of this construction contract will provide required asphalt concrete pavement repairs along 58 miles of streets on the Major Street Network to be surface sealed in the 2019 construction season. Approval of a 10% contingency will provide funding for any unanticipated work necessary for the proper construction and completion of the project.

## BACKGROUND

The Department of Transportation (DOT) annually schedules streets to be surface sealed as a preventive maintenance measure to extend their useful life and reduce long-term maintenance costs to the City. Surface sealing is a process by which streets in typically "Fair" or above condition (PCI 60 or above on a 100-point scale) are preventively maintained to add up to 8 years of life to the street. This preventive maintenance process is five-times less costly than resurfacing a street and is an important component of a well-managed street maintenance program. The product to be used for surface-sealing is called "microsurfacing", which is a thin layer of asphalt emulsion blended with rock approximately 3/8 an inch in depth.

Surface sealing is typically performed in two separate phases: preparation and a final surface sealing application. The preparation phase requires the removal of structurally failed areas of pavement and replaces them with new asphalt concrete. The preparation phase also includes

March 13, 2019

**Subject: 2019 Major Streets Remove & Replace Asphalt Concrete Pavement Project**

Page 2

concrete work, Americans with Disability Act (ADA) curb ramps, and traffic signal detector repairs and upgrades. The preparation phase is the subject of this memorandum. The final stage applies a new surface seal over the entire street.

In 2019, DOT is planning to surface seal approximately 58 miles of Major Streets throughout the City. To decrease the overall timeframe for completing the preparation work, the preparation work was divided into three separate projects: two projects for concrete and curb ramp improvements split geographically by council districts, and one citywide project for removal and replacement of failed asphalt pavement areas along street sealing corridors. The proposed contract will begin preparation work to remove and replace failed areas of asphalt. The first two projects providing for Concrete and ADA curb ramp upgrades were approved by Council earlier this year. This project is the final preparation stage before the application of the microsurfacing seal through a project that is planned for award in April 2019.

Information provided by the City's pavement management database is used to identify candidate streets for preventive maintenance and sealing. The final list of streets to receive sealing is established using the following criteria:

- Funding availability and funding use restrictions
- Streets on the Major Street Network
- Streets not affected by current or future street related projects
- Maintenance history and prescribed treatment schedules
- Streets associated with planned safety, bikeway or other "complete streets" projects
- Community and City Council office feedback regarding roadway conditions and priority street segments
- Relative location of street segments to create multiple, continuous segments, consistency within neighborhoods, and project efficiency
- Multi-year geographic equity across the City and street network

The Attachment contains the list of streets to be prepared for sealing. The list may change if unforeseen circumstances arise or new information regarding other street-related projects becomes available.

March 13, 2019

**Subject: 2019 Major Streets Remove & Replace Asphalt Concrete Pavement Project**

Page 3

**ANALYSIS**

Bids were opened on February 7, 2019 with the following results:

<b>CONTRACTOR</b>	<b>CITY</b>	<b>BID AMOUNT</b>	<b>VARIANCE</b>	<b>% UNDER/OVER ENGINEER'S ESTIMATE</b>
G. Bortolotto & Company, Inc	San Carlos, CA	\$2,601,460	-\$67,330	-2.5%
<i>ENGINEER'S ESTIMATE</i>	--	\$2,668,790	--	--
Granite Rock Company	San Jose, CA	\$2,701,920	\$33,130	1.2%
Granite Construction Company	Santa Clara, CA	\$2,790,745	\$121,955	4.6%
O'Grady Paving, Inc	Mountain View, CA	\$3,250,925	\$582,135	21.8%
DeSilva Gates Construction	Dublin, CA	\$3,327,920	\$659,130	24.7%
Ghilotti Construction Company, Inc.	Santa Rosa, CA	\$3,891,670	\$1,222,880	45.8%

The low bid submitted by G. Bortolotto & Company, Inc is \$2,601,460 and is 2.5% below the Engineer's Estimate. The Engineer's Estimate for this project is \$2,668,790. The estimate is based on bids received from similar past projects and current estimated construction prices. The bid is considered acceptable for the work involved in the project. Staff recommends that the construction contract be awarded to G. Bortolotto & Company, Inc.

Council Policy provides for a standard contingency of five percent on projects involving street resurfacing and sealing. Staff is requesting a ten percent contingency for this project due to unforeseen conditions that might arise in the excavation, removal and replacement of failed asphalt concrete areas. The funding budgeted for this project is sufficient to provide for the recommended ten percent contingency of \$260,146.

Construction is scheduled to begin in April 2019 and projected to be completed by the end of June 2019.

### **EVALUATION AND FOLLOW-UP**

DOT provides an ongoing evaluation of the City's pavement conditions and provides periodic reports on this topic to the Transportation and Environment Committee, most recently on March 4, 2019. The 2019 Major Streets Sealing Project, which will apply the final surface seal to streets Citywide, is planned for award in April 2019. Projects on the Local and Neighborhood Street network are planned for award in May 2019.

### **PUBLIC OUTREACH**

To solicit contractors, this project was listed on the City's Internet Bid Line and advertised in the San Jose Post Record. Bid packages for this construction project were made available to download for contractor organizations and builders' exchange on the City's Internet Bid Line. In addition, when the project commences, the contractor, as stated in the specifications, will provide advance notification regarding working hours, duration of project, and any appropriate schedule and lane closures to affected businesses and residents. To inform traveling motorists of upcoming construction activities and potential traffic delays, changeable message signs may be used on selected streets stating the scheduled date and time for work to occur on the street. This memorandum will be posted on the City's website for the March 26, 2019 Council Meeting.

### **COORDINATION**

This project has been coordinated with the Department of Public Works, and this memorandum has been coordinated with the City Attorney's Office and the City Manager's Budget Office.

### **COMMISSION RECOMMENDATION/INPUT**

No commission recommendation or input is associated with this action.

### **FISCAL/POLICY ALIGNMENT**

This project supports the Transportation and Aviation Services City Service Area goal to *Preserve and Improve Transportation Assets and Facilities*.



**List of Major Streets for 2019 Sealing**

STREET NAME	FROM	TO	COUNCIL DISTRICT
10TH ST	I-280	KEYES ST	3
11TH ST	I-280	HUMBOLDT ST E	3
1ST ST N	ROSEMARY ST	BROKAW RD	3,4
ADRIAN WY	OCALA AV	STORY RD	5
AUTUMN ST	SANTA CLARA ST W	ST JOHN ST W	3
BASCOM AV N	CAMDEN AV	SAMARITAN DR	9
BASKING RIDGE AV	TENNANT AV	DANNA CT	2
BRANHAM LN	SNELL AV	BATTLE DANCE DR	2,10
BRYAN AV	CHERRY AV	JARVIS AV	9
CAMDEN AV	HILLSDALE AV	DEL PASO AV	9
CAPITOL AV N	BERRYESSA RD	GREENGATE	4
CARLTON AV	UNION AV	130' W/WINTON WY	9
COLEMAN RD	ALMADEN EX	SANTA TERESA BL	10
DE ANZA BLVD (NB ONLY)	SR 85	PROSPECT RD	1
EMPIRE ST	1ST ST N	N 22ND ST	3
FLINT AV	MARTEN AV	GULUZZO DR	8
HAWTHORNE WY	N SAN PEDRO ST	N 1ST ST	3
HILLSDALE	FOXWORTHY AV	VISTAPARK DR	6, 9, 7, 10
HUMBOLDT ST E	10TH	12TH ST S	3
KOCH LN	PLUMMER AVE	ALMADEN RD	9
LANDESS AV (EB ONLY)	I-680	PIEDMONT RD	4
LEIGH AV	SOUTHWEST EX	MOORPARK AV	6
LITTLE ORCHARD ST	CURTNER AV	BARNARD AV	7
LUCRETIA AV	STORY RD	PHELAN	7
LUNDY AV	TRADE ZONE BL	HOSTETTER RD	4
MERIDIAN AV	FRUITDALE AV	CURTNER AV	6
MONTGOMERY	JULIAN ST	ST JOHN ST	3
NEW JERSEY AV	DRY CREEK RD	CURTNER AV	9
NIEMAN BL	CAPITOL EX	ABORN RD	8
NIEMAN BL	CIRELLI DR	YERBA BUENA	8
RYLAND ST	N SAN PEDRO ST	SANTA TERESA ST	3
SAN ANTONIO ST E	17TH ST S	JACKSON AV S	3,5

<b>STREET NAME</b>	<b>FROM</b>	<b>TO</b>	<b>COUNCIL DISTRICT</b>
SAN PEDRO ST N	RYLAND ST	TAYLOR ST	3
SAN TOMAS AQUINO RD	LATIMER AV	SARATOGA AV	1
SANTA CLARA ST	HWY 101 RAMP	HWY 101 RAMP	3,5
SANTA TERESA ST	RYLAND ST	COLEMAN	3
SNELL AV	BRANHAM LN	SR 85 OVERPASS N/S	2,10
SOUTHWEST EX	STOKES ST	MERIDIAN	6
ST JOHN ST	MONTGOMERY ST	AUTUMN ST	3
STEINBECK DR	ALLEN AV	SANTA TERESA BL	10
TRIMBLE RD W	CENTRAL EX	HWY 101	4
WINCHESTER BL	WILLIAMS RD	PAYNE AV	1
PROSPECT RD	DE ANZA BLVD	JOHNSON AV	1
PHELPS AVE	PAYNE AVE	WILLIAMS RD	1
WHITE RD	MABURY RD	PENITENCIA CREEK	5
WILLIAMS RD	MOORPARK AV	SARATOGA AVE	1