



Memorandum

TO: HONORABLE MAYOR AND
CITY COUNCIL

FROM: John Ristow

SUBJECT: 2019 MAJOR STREETS CONCRETE
& ADA RAMPS PROJECT #1

DATE: February 11, 2019

Approved

D. D. S. L.

Date

2/13/19

COUNCIL DISTRICTS: 1, 3, 4, 5, & 6

RECOMMENDATION

- (a) Approve award of a construction contract for the 2019 Major Streets Concrete & ADA Ramps Project #1, to the low bidder, Rosas Brothers Construction, Inc. in the amount of \$2,010,800.
- (b) Approve a ten percent contingency in the amount of \$201,080.

OUTCOME

Approval of this construction contract will provide required concrete and sidewalk accessibility (ADA ramp) improvements along 36 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 preventative 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 preventatively maintained to add up to 8 years of life to the street. This preventative 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

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, DOT divided the preparation work 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. Concrete preparation work will begin on the streets identified in the Attachment as part of this 2019 Major Streets Concrete & ADA Ramps Project and will result in the construction of 264 ramps. This contract will provide for advance preparation work along 36 miles of Major Streets.

In March 2019, DOT will bring forward a second contract to City Council that will provide for advance preparation work on the remaining 22 miles of Major Streets, and a citywide project to remove and replace failed areas of asphalt. The final stage of the surface sealing process will be the application of microsurfacing through a project 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.

ANALYSIS

Bids were opened on January 10, 2019 with the following results:

CONTRACTOR	CITY	BID AMOUNT	VARIANCE	% UNDER/OVER ENGINEER'S ESTIMATE
Rosas Brothers Construction	Oakland, CA	\$2,010,800.00	-\$433,050	-17.7%
JJR Construction, Inc.	San Mateo, CA	\$2,080,786.50	-\$363,063.50	-14.9%
<i>ENGINEER'S ESTIMATE</i>	--	<i>\$2,443,850.00</i>	--	--
FBD Vanguard Construction, Inc.	Livermore, CA	\$2,482,580.00	\$38,730	1.6%
Wattis Construction Company, Inc.	San Jose, CA	\$2,615,260.00	\$171,410	7.0%
Victor Concrete, Inc.	Riverside, CA	\$3,260,050.00	\$816,200	33.4%

The low bid submitted by Rosas Brothers Construction is \$2,010,800 and is 17.7% below the Engineer's Estimate. The Engineer's Estimate for this project is \$2,443,850. 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 Rosas Brothers Construction.

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 concrete areas. The funding budgeted for this project is sufficient to provide for the recommended ten percent contingency of \$201,080.

Construction is scheduled to begin in March 2019 and will 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. The concrete and curb ramp improvement project for Council Districts 2, 7, 8, 9, and 10 will be recommended for

award separately in March 2019. The 2019 Major Streets Remove and Replace Asphalt Concrete Project is also scheduled for award in March 2019. The 2019 Major Streets Sealing Project, which will apply the final surface seal to streets Citywide, is planned for award in April 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 Council Agenda website for the February 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*.

COST SUMMARY/IMPLICATIONS

1. COST OF PROJECT:

Project Delivery	\$170,900
Construction Contract	\$2,010,800
Contingency	<u>\$201,080</u>
TOTAL PROJECT COSTS:	\$2,382,780

2. SOURCE OF FUNDING: 465 – Pavement Maintenance –
SB1 Road Repair & Accountability Act 2017

3. FISCAL IMPACT: This project will have no net operating and maintenance costs to the General Fund.

BUDGET REFERENCE

The table below identifies the fund and appropriation proposed to fund the recommended contract award, including project delivery, construction, and contingency costs.

Fund #	Appn #	Appn Name	Total Appn	Amt. for Contract	2018-2019 Adopted Capital Budget Page	Last Budget Action (Date, Ord. No.)
Source of New Funding						
465	406C	Pavement Maintenance – SB1 Road Repair & Accountability Act 2017	\$18,826,000	\$2,211,880	V-884	10/16/18, 30172
Total Current Funding Available			\$18,826,000	\$2,211,880		

CEQA

Categorically Exempt, File No. PP18-029, CEQA Guidelines Section 15301(c), Existing Facilities

/s/

JOHN RISTOW
Acting Director of Transportation

For questions please contact Frank Farshidi, DOT Division Manager, at (408) 794-1945.

List of Major Streets for 2019 Sealing

STREET NAME	FROM	TO	COUNCIL DISTRICT
10TH ST	280	KEYES ST	3
11TH ST	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
CAPITOL AV N	BERRYESSA RD	GREENGATE	4
DE ANZA BLVD (NB ONLY)	HWY 85	PROSPECT RD	1
EMPIRE ST	1ST ST N	N 22ND ST	3
HAWTHORNE WY	N SAN PEDRO ST	N 1ST ST	3
HUMBOLDT ST E	10TH	12TH ST S	3
LANDESS AV	I 680	PIEDMONT RD	4
LEIGH AV	SOUTHWEST EX	MOORPARK AV	6
LUNDY AV	TRADE ZONE BL	HOSTETTER RD	4
MERIDIAN AV	FRUITDALE AV	CURTNER AV	6
MONTGOMERY	JULIAN ST	ST JOHN ST	3
RYLAND ST	N SAN PEDRO ST	SANTA TERESA ST	3
SAN ANTONIO ST E	17TH ST S	JACKSON AV S	3,5
SAN PEDRO ST N	RYLAND ST	TAYLOR ST	3
SAN TOMAS AQUINO RD	LATIMER AV	SARATOGA AV	1
SANTA CLARA ST	101 RAMP	101 RAMP	3,5
SANTA TERESA ST	RYLAND ST	COLEMAN	3
SOUTHWEST EX	STOKES ST	MERIDIAN	6
ST JOHN ST	MONTGOMERY ST	AUTUMN ST	3
TRIMBLE RD W	CENTRAL EX	HY 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