



City of Emeryville

CALIFORNIA

MEMORANDUM

DATE: June 5, 2018

TO: Carolyn Lehr, City Manager

FROM: Andrew Clough, Acting Public Works Director

SUBJECT: **Resolution Of The City Council Of The City of Emeryville Authorizing The City Manager To Enter Into A Contract With DeSilva Gates Construction In An Amount Not To Exceed \$1,634,568.00 For The Construction Of The 2017/2018 Street Rehabilitation and Preventive Maintenance Project, EPW 17-104 (CIP No. 17240005) And Approving The Possible Night Construction On Powell Street And Christie Avenue For Said Project**

RECOMMENDATION

Staff recommends that the City Council authorize the City Manager to enter into a contract with DeSilva Gates Construction in an amount not to exceed \$1,634,568.00 for the construction of the 2017/2018 Street Rehabilitation and Preventive Maintenance Project.

BACKGROUND

Preventive maintenance of streets is required on a regular basis to extend the life of streets and to provide a quality riding surface for all modes of travel. The Capital Improvement Program adopted in June 2016 includes funding for the ongoing Annual Street Rehabilitation/Preventive Maintenance Program, CIP No. 17240005.

This project will consist of rehabilitation and preventive maintenance of City streets including pothole/base repairs, crack sealing, and pavement overlays. Rehabilitation and maintenance work on public streets need to be coordinated with other City projects, utility company excavations and private development projects on a cycle that sustains a high Pavement Condition Index (PCI) for all City streets.

The streets to be rehabilitated were identified as needing rehabilitation in the Pavement Management Program Budget report prepared as part of MTC's Technical Assistance Program P-TAP in Nov. 2014. This project includes work on the following streets:

- Shellmound Street (40th Street Bridge to Shellmound Way)
- Christie Avenue (Powell Street to 100' N/O Shellmound Way)
- Powell Street (I-80 EB Ramps to Powell Street Bridge)
- Christie Avenue Class I Bike Path (Powell Street to Shellmound Street)
- Horton Street Class IV Bikeway (53rd Street to 59th Street)

The project will include new striping configurations for the bicycle facilities on Shellmound Street and Horton Street. The new striping improvements will include, but are not limited

to, re-configuration of bicycle lane transitions at intersections, buffered bicycle lanes, green thermoplastic bicycle facilities, and improved pavement markings. The City will be working closely with the contractor to provide the required construction notices to potentially impacted residences and businesses through a variety of outreach methods.

Night Construction

The pavement rehabilitation work on Powell Street and Christie Avenue will be difficult to perform safely due to the high volume of traffic on those streets. In a past decision, City Council, on May 16, 2017, approved the concept for work on Powell Street, Christie Avenue, and Shellmound Streets to occur on weekends. Since that decision, there were additional traffic volume counts undertaken by the Public Works Department in the project area. The weekend traffic volumes on Powell Street, Christie Avenue, and Shellmound Street match, or exceed weekday traffic volumes in the same sections. These volume counts rule out weekend construction as being the better option for this work.

To help avoid the heaviest of traffic volumes, there are restrictions in the special provisions of this project that limit work on Powell Street to the hours of 9:00 a.m. to 2:00 p.m. Shellmound Street and Christie Avenue also have limited working hours of 7:00 a.m. to 3:30 p.m. to help avoid the heaviest of traffic volumes.

This project was bid and will begin with the working hours as described above on weekdays only. If traffic conditions are becoming oversaturated and creating a dangerous environment on the project roadways, the Public Works Director may elect to allow for night construction in accordance with the authorities and procedures provided in the City's Noise Ordinance. If night construction is determined to be the prudent alternative, the noise waiver would be granted by the Public Works Director and notices to the affected residents and businesses would be sent out to inform them of the project and the proposed night construction hours. The potentially impacted residents include Bay Street and nearby hotels.

Tree Removals

There is significant pavement uplift adjacent to southerly median on Shellmound Street in front of the IKEA entrance due to the palm trees in the median. This is causing the pavement to fail, and is creating an unexpected bump to passing motorists. The plans call to dig out the pavement around this median which could de-stabilize the trees due to some of the tree roots being cut. The City Arborist completed a health report of all the palm trees on Shellmound Street, and the trees in the southerly median were recommended to be removed due to being in poor health or being the wrong specimen for the median.

Public Works has reviewed collision history reports for the project corridor, and has identified another issue with this same median to improve upon safety in the vicinity. By removing the median, the striping can be changed to allow for a smoother transition coming off the bridge, and also allow room to provide a buffered bike lane through this section of Shellmound Street. The extended buffer will improve safety and access for bicyclists as they enter or exit from the Bay Bike Trail. This work will also follow our

Complete Street guidelines, by improving safety and mobility for all modes of travel in this section.

DISCUSSION

On May 16, 2017, the Emeryville City Council approved the project scope of work, found the project to be exempt under California Environmental Quality Act Guideline 15301(c) because the project involves repairs to existing facilities, and authorized Public Bidding the project once the plans and specifications were approved by the City Engineer (Resolution No. 17-72).

Construction Bids:

On May 4, 2018 the following bid proposals for the project were received:

1. DeSilva Gates Construction	\$ 1,634,568
2. Ghilotti Bros. Inc.	\$ 1,758,678
3. J.A. Gonsalves & Son	\$ 2,088,270

DeSilva Gates Construction of Dublin, CA, submitted the lowest responsive bid in the amount of \$1,634,568, which includes a contingency of \$100,000. The amount of the proposed contract with DeSilva Gates Construction, Inc. is 23.38% greater than the Engineer's Estimate of \$1,324,795.

FISCAL IMPACT

The Capital Improvement Program includes **\$490,000** in Measure B and Measure BB funding for the Fiscal Year 2017/2018 Street Rehabilitation project. However, the proposed Pavement Rehabilitation project for Fiscal Year 2017/2018 is larger in scope than what was identified in the adopted Capital Improvement Program. The reasons for performing a larger project are increased cost efficiencies and because the Public Works Department and Finance Department have identified some additional funding for street rehabilitation that must be spent as soon as possible. The City has an additional **\$810,000** in Measure B/BB funds that must be spent in order to comply with ACTC's schedule for spending the funds. Additional funds that will be used for the project include bond funds from the West Emeryville Assessment District. The West Emeryville Assessment District was formed by the City in the late 1980s to perform capital improvements on Christie Avenue and on Shellmound Street. Additional bond funds will also be used from the Bay Street – Shellmound Street Extension Assessment District, formed in the 1990s to perform capital improvements and maintenance on Shellmound Street and 40th Street. The bonds sold for each District have been paid off, but a fund balance is available to be spent on maintenance of the improvements constructed within the Districts.

The following estimated costs have been identified:

Estimated Costs:

Construction Contract (DC Electric, Inc. Contract)	\$ 1,634,568
Construction Contingencies	\$ 160,000

Construction Inspection	\$ 20,000
Material Testing	\$ 50,000
Construction Engineering Support	\$ 10,000
Estimated Total Cost	\$ 1,875,000

Funding Sources:

Measure B – VLF (Fund #238)	\$ 200,000
Measure B – Local Streets & Roads (Fund #240)	\$ 600,000
Measure BB – Local Streets & Roads (Fund # 242)	\$ 500,000
1999 Revenue Bonds (Fund #444)	\$ 575,000
Funding Total	\$ 1,875,000

STAFF COMMUNICATION WITH THE PUBLIC

City Staff has discussed the project with:

1. Bicycle and Pedestrian Advisory Committee at various meetings in 2017 and 2018.
2. Public Works Committee and Transportation Committee at various meetings in 2017 and 2018.

Each discussion was had in order to keep the public and committees informed on progress with projects from the Capital Improvement Program.

CONFLICT OF INTEREST

None

CONCLUSION

Staff concludes that it is in the public's interest for City Council to adopt the above stated resolution.

PREPARED BY: Ryan O'Connell, Senior Civil Engineer, Public Works

**APPROVED AND FORWARDED TO THE
CITY COUNCIL OF THE CITY OF EMERYVILLE:**



Carolyn Lehr, City Manager

ATTACHMENTS

1. Draft Resolution

2. DeSilva Gates Construction Contract
3. Exhibit "A" – Project Overview Map
4. Exhibit "B" – City Arborist Report for Shellmound Street Median Trees