



DATE: January 16, 2018

TO: Mayor and City Council

FROM: Interim Director of Public Works

SUBJECT Mission Boulevard Corridor Improvements Phase 2 Project – Award of Construction Contract to DeSilva Gates Construction and Amendment to Professional Services Agreement with BKF Engineers

RECOMMENDATION

That Council adopts the attached resolutions (Attachment II and III):

1. Approving Addenda Nos. 1 through 5, providing revisions to the plans and specifications for the Mission Boulevard Corridor Improvements Phase 2 project;
2. Awarding the contract to DeSilva Gates Construction in the amount of \$22,675,106 and authorizing the expenditure of up to \$32,500,000 for the total project, including contingencies; and
3. Authorizing the City Manager to execute an amendment to the Professional Services Agreement with BKF Engineers in an amount not-to-exceed \$450,000.

BACKGROUND

On November 27, 2007, Council approved Phase 1 of the Route 238 Corridor Improvement Project, which covered roadway and street improvements on Mission Boulevard (from A Street to Industrial Parkway) and Foothill Boulevard (from Mission Boulevard to Apple Avenue) and certified the Final Environmental Impact Report (FEIR) for the project. Subsequently, Caltrans relinquished portions of State Routes 92, 185, and 238 to the City within the Phase 1 project limits. During relinquishment discussions, the City and Caltrans agreed that Caltrans would relinquish, and the City would accept most of the remaining state highways within the City boundaries after the Phase 1 project was completed, and after sufficient Local Area Transportation Improvement Program (LATIP) funding became available to improve these additional highway segments.

Construction of the Phase 1 project was completed in January 2014. LATIP funds totaling \$30 million were approved by the California Transportation Commission (CTC) for use on this project. The CTC allocated \$8.1 million of this amount for the Route 238 Phase 1 expenses and \$2.0 million for the design of Mission Boulevard Phase 2 (State Route 238, from Industrial Parkway to the South City limit) and 35% design of Mission Boulevard Phase 3 (State Route 185, from A Street to the North City limit). The remaining \$19.9 million was allocated for the construction of Phase 2 and for the Adaptive Signal Timing on Jackson Street.

Phase 2 is a continuation of the Phase 1 project that will improve Mission Boulevard from Industrial Parkway to the South City limit near Blanche Street. On October 28, 2014, Council approved an agreement with BKF Engineers for professional services to begin design work for Phase 2.

At the CTC meeting on October 19, 2017, CTC relinquished the remaining portions of State Routes 238 (Mission Boulevard), 185 (Mission Boulevard), and 92 (Jackson Street between Watkins Street and Santa Clara Street within the City limits).

On September 19, 2017, Council approved the plans and specifications for the Mission Boulevard Corridor Improvements Phase 2 Project and called for bids to be received on October 31, 2017. Addenda Nos. 1 through 5 revised the drawings and specifications by adding information to the project documents that provided clarification to bidder questions, and revised the bid opening date to December 5, 2017.

DISCUSSION

Project Plans and Specifications

The Mission Boulevard Phase 2 project was designed to improve multi-modal access on this major north-south arterial roadway and the scope of work will include the following:

- Repair or reconstruct existing sidewalks, curbs and gutters, median islands, valley gutters, and driveways that are in poor condition or deficient
- Add new curb, gutter, and sidewalk in sections with missing sidewalk
- Remove existing trees in poor health or adversely impacted by the improvements
- Add new street trees near the back of sidewalks
- Add new storm drain inlets to improve drainage
- Rehabilitate existing pavement using Cold In-place Recycling (CIR) and a new pavement overlay
- Upgrade intersections to comply with the latest ADA accessibility standards
- Upgrade existing traffic signals, including those at intersections on portions of Jackson Street, to include Adaptive Traffic Management System technology, which will improve signal timing by adapting to the traffic conditions in real time.
- Add new signage and modifications to bus stops
- Add new fiber optic lines within the project limits, including a link to Fire Station #3 and spare conduits for future fiber optic lines
- Add new dimmable LED street lighting
- Underground existing overhead utility lines
- Add new protected bike lanes, including buffered divider planter strips
- Add new landscaping in the median islands and divider planter strips
- Add a new traffic signal at Mission Boulevard/Rousseau Street and a full traffic signal at Mission Boulevard/Blanche Street. The HAWK signal (pedestrian only activated) was recently installed at Mission Boulevard and Blanche Street to provide safe pedestrian crossing prior to the start of the school year. The Phase 2 project will make

further improvement by using most of the HAWK signal equipment and converting it to a full signalized intersection.

- Add new gateway entry features at Blanche Street
- Add new metal fence along existing residential wood fence on the west side

The bid documents originally included add alternatives for improvements that were to be included in the project dependent upon the bids received. They included the following additive bid alternates:

- 1) Alternate wood fence instead of metal fence
- 2) Replacement of Fairway Park signs
- 3) Update of Corrine Street entry wall
- 4) Replacement of irrigation system on the east side greenway park
- 5) Replacement of irrigation on the west side along the golf course

During the September 19, 2017 Council meeting for approval of the plans and specifications, Council directed staff to include alternate bid items 1 through 3 in the base project since those were important project features to the community. Those changes were made and the bid document add alternatives were revised to include the following:

- Additive Bid Alternate No. 1 – Replacement of irrigation system on the east side greenway park
- Additive Bid Alternate No. 2 – Replacement of irrigation on the west side along the golf course
- Additive Bid Alternate No. 3 – Adjustment of AT&T manholes, vaults, and boxes to new pavement and sidewalk elevation

Additive Bid Alternate No. 3 was added to the project as requested and would be paid for by AT&T. Depending on the bid prices, AT&T would decide if this Bid Alternate would be included in the construction contract.

On December 5, 2017, six bids were received for the project. DeSilva Gates Construction L.P. of Dublin, California, submitted the low bid of \$22,765,106, which was 5.3% below the engineer's estimate of \$24,049,000.50. Granite Construction Company of Santa Clara, California submitted the second low bid in the amount of \$23,954,138.75, which was 0.4% below the engineer's estimate. The six bids ranged from \$22,765,106 to \$28,252,067 (Attachment IV).

Staff finds DeSilva Gates Construction's bid documents to be responsive and has confirmed that they have licenses appropriate for this work. Therefore, staff recommends that Council award the contract to DeSilva Gates Construction in the amount of \$22,675,106, which is \$90,000 less than the beforementioned amount because Additive Bid Alternate No. 3 will not be included in the contract award. This is because, based on bid amounts, AT&T has decided to perform their own adjustment of utility manholes and boxes. Further, staff recommends that Council authorize the City Manager to expend up to \$32,500,000 for construction, construction contingencies, construction administration, inspection, testing, equipment and project design. The amount is set at \$2,267,510 (10% of construction cost).

Additional Services and Amendment to Professional Services Agreement

On October 28, 2014, Council authorized the City Manager to negotiate and execute an agreement with BKF Engineers for professional design services for the Mission Boulevard Corridor Improvements project in an amount not-to-exceed \$1,400,000. The original agreement did not include construction support. An estimated \$450,000 is needed for these services during the construction phase, and staff recommends that Council approve an increase to BKF Engineers' agreement by this amount.

Right of Way Acquisition

Staff continues to work on acquisition of easements. The project does not require the acquisition of property in fee. Public Utility Easements (PUE) for utility boxes, vaults, transformer pads and trenches were identified where these facilities cannot be in the sidewalk or street. Temporary Construction Easement (TCE) needs were identified for temporary access to construct driveway and sidewalk conforms and other miscellaneous work required along property frontages. These TCEs are also required by the utility companies for the service trench and panel work required to underground the overhead utility lines.

FISCAL IMPACT

The estimated project costs are as follows:

Description	Estimated Cost
A. Construction Contract	\$22,675,106
B. Construction Contingency (ACO)	\$2,267,510
C. Design	\$2,107,384
D. Utility Undergrounding Contracts	\$2,000,000 (estimated)
E. Consultant Construction Administration	\$450,000
F. Staff Construction Administration, Inspection & Testing	\$3,000,000
TOTAL	\$32,500,000

The Mission Boulevard Corridor Improvement for both Phases 2 and 3 will be funded by LATIP funds, Measure BB, and Rule 20A allocations for Underground District Nos. 29 and 30. The estimated funding breakdown is as follows:

Funding Source	Amount
LATIP	\$21,900,000
Measure BB	\$19,500,000
Rule 20A	\$2,900,000
TOTAL	\$44,300,000

The current project cost estimate based on the 65% level design for Phase 3 is \$15,500,000. A more accurate cost estimate will be provided with the next phase of design and ultimately with the bid amount when the Phase 3 project receives bids. Depending on actual bids received, and if needed, staff will identify and propose additional funds for Council consideration and approval to complete the Phase 3 project.

STRATEGIC INITIATIVES

This agenda item supports the Complete Streets Strategic Initiative. The purpose of the Complete Streets initiative is to build streets that are safe, comfortable, and convenient for travel for everyone, regardless of age or ability, including motorists, pedestrians, bicyclists, and public transportation riders. This item supports the following goals and objectives:

Goal 1: Prioritize safety for all modes of travel.

Objective 3: Ensure that roadway construction include complete streets elements.

Goal 2: Provide Complete Streets that balance the diverse needs of users of the public right-of-way.

Objective 1: Increase walking, biking, transit usage, carpooling and other sustainable modes of transportation by designing and retrofitting streets to accommodate all modes.

SUSTAINABILITY FEATURES

1. Water

The project includes the installation of drought tolerant plants to reduce the amount of water usage.

2. Environment

This project has implemented Bay-Friendly Landscaping techniques to use native plants and climate appropriate plants for the median islands and sidewalk planters. The project will be reviewed for Bay-Friendly certification after the project is complete. Permeable pavers will also be used to treat storm water runoff from the sidewalk and to filter pollution from the storm water before it enters the San Francisco Bay. This project will use CIR to rehabilitate the pavement. The CIR method reuses the existing pavement as base material, conserves on new raw material resources, and reduces greenhouse gas emissions because of reduced hauling.

3. Energy

This project will install energy efficient LED street lights with dimming features to provide electricity and maintenance cost savings.

This project is categorically exempt from environmental review pursuant to Section 15301(c) of the CEQA Guidelines because it is a project consisting of repair, maintenance or minor

alteration of existing structures or facilitates and involves negligible or no expansion of the existing use.

PUBLIC CONTACT

After the construction contract is awarded, staff will send notices to affected residents and businesses regarding the project to inform them about the temporary inconvenience expected from the improvement work. Staff will provide periodic updates on the project on the City's website.

NEXT STEPS

If Council adopts the attached resolutions and awards the contract, the Mission Boulevard Corridor Improvements Phase 2 Project schedule is as follows:

Begin Construction	March 2018
Complete Construction	November 2019

Prepared by: Kathy Garcia, Deputy Director of Public Works

Recommended by: Alex Ameri, Interim Director of Public Works/Director of Utilities and Environmental Services

Approved by:



Kelly McAdoo, City Manager