



STAFF REPORT

AGENDA NO: 8h

MEETING DATE: July 6, 2020

To: Honorable Mayor and City Council

Date: July 6, 2020

From: Syed Murtuza, Director of Public Works – (650) 558-7230

Subject: Adoption of a Resolution to Amend the Traffic Signal Maintenance Services Contract with Bear Electrical Solutions in the Amount of \$84,700 for Fiscal Year 2020-21 and Authorizing the City Manager to Execute the Contract Amendment

RECOMMENDATION

Staff recommends that the City Council adopt the attached resolution to amend the Traffic Signal Maintenance Services Contract with Bear Electrical Solutions (BES) for FY 2020-21 in the amount of \$84,700.

BACKGROUND

The City operates and maintains 17 traffic signalized intersections, two flashing beacons, and several rectangular rapid flashing beacons (RRFB), within its limits. The on-call traffic signal service contract work includes monthly, quarterly, semi-annual, and annual maintenance work; emergency repairs work (pole knockdowns, broken detectors, in-operative signals, etc.); and non-emergency repair work (traffic signal equipment replacement, cabinet repair, back-up battery replacement, etc.).

On July 3, 2017, the City Council awarded the On-Call Traffic Signal Services Maintenance Contract to BES for a three-year period in the amount of \$250,054. On August 19, 2019, the City Council approved a contract amendment to include additional scope of work for traffic signal upgrades in the amount of \$200,000 for FY 2019-20.

DISCUSSION

BES has provided exceptional services in the areas of regular traffic signal maintenance, emergency signal call-out response, and non-emergency call-out services and has also served as a critical component in continuing to operate the City's infrastructure during the Coronavirus pandemic. BES converted 11 intersections to function on recall to address pedestrian concerns of making contact with push buttons, and continued to address regular maintenance issues such as traffic signal failures in a timely and efficient manner.

Amendment to Contract to Extend Time to Complete the FY2019-20 Traffic Signal Upgrades delayed as a result of Covid-19 health crisis

Despite industry-wide impacts stemming from COVID-19 shelter-in-place orders and extended delays from signal equipment suppliers, BES has been able to make significant progress on the traffic signal upgrades project. However, due to the delays from the equipment manufacturers and suppliers, the contractor has not been able to complete all the work within the original contract term period. The remaining projects to be completed include video detection upgrades at the intersection of Rollins Road and Broadway, video detection at the intersection of Rollins Road and Cadillac Way, and Rectangular Rapid Flashing Beacons (RRFBs) at five locations. All of these tasks are already budgeted in the existing contract, and no changes to the scope of services are required. This contract amendment will extend the time to allow for the completion of the work mentioned above.

Amendment of Contract to Continue Providing Traffic Signal Maintenance Services

Staff has negotiated the scope of services with BES in the amount of \$84,700 to continue to provide traffic signal maintenance services for FY 2020-21. The contractor agreed to provide services at the same rates that were previously negotiated in the existing contract. The following is a summary of scope of work as part of the attached agreement amendment:

Monthly Routine Maintenance:

- Visual inspection of controllers for proper operation
- Visual inspection of all vehicular and pedestrian signals for proper operation
- Check and actuate each pedestrian push button for proper operation
- Visual inspection of all illuminated street name signs for proper operation
- Manually record inspection date and time in controller cabinet and send written confirmation of monthly inspections with recommendations to Burlingame by intersection

Three-Month Routine Maintenance:

- Visual inspection of roadway along loop detectors for exposed wires, cracks, and potholes
- Check detector amplifiers and tune as needed
- Manually record inspection date and time in controller cabinets and send written confirmation of three-month inspections with recommendations to Burlingame by intersection

Six-Month Routine Maintenance:

- Check controller cabinet filter
- Check ground rod clamp and wire
- Check the presence of wire schematics and records in the cabinet
- Check the operation of the fan
- Check the operation of the ground fault receptacle
- Measure and record voltage at service inputs in cabinet
- Check for bent or missing visors and back plates
- Check integrity of splices
- Check for wear and function of electromechanical controllers
- Check and match the time setting with time sheets on electromechanical and solid-state controllers

- Manually record inspection date and time in controller cabinets and send written confirmation of six-month inspections with recommendations to Burlingame by intersection

Annual Routine Maintenance:

- Replace all incandescent signal lamps included within the area-specific change-out program.
- Check all LED signal lamps
- Clean and polish all lens and reflectors
- Vacuum and clean controller cabinets and contents
- Replace cabinet filter
- Check waterproof gasket seals on controller cabinets
- Check water accumulation and duct sealants
- Lubricate hinges and locks on controller cabinets
- Check all signal heads and align when necessary
- Check indicator lamps
- Check all connectors
- Check detector extensions
- Check load switches
- Check relays
- Manually record inspection date and time in controller cabinets and send written confirmation of yearly inspection with recommendations to Burlingame by intersection

The scope of work also provides allowances to perform emergency and non-emergency non-routine call-out repairs.

Staff recommends that City Council amend the existing BES contract for one year to provide maintenance to the City's traffic systems and complete the remaining FY 2019-20 traffic signal upgrade projects that were delayed due to the COVID-19 crisis.

FISCAL IMPACT

Adequate funds have been appropriated in the Public Works Operations budget for FY 2020-21 to complete the scope of services.

Exhibits:

- Resolution
- Contract Amendment No. 2
- Contract Amendment No. 1
- Original Agreement