



February 7th, 2017

Rebecca Neves
City of Placerville
3101 Center Street
Placerville, CA 95667

Subject: Pardi Way/Big Cut Rd./Sacramento Street Waterline Replacement Project, CIP #41109 – Contract Amendment Request #1

Dear Mrs. Neves,

Thank you for the opportunity to provide construction management and inspection services for the Pardi Way/Big Cut Rd./Sacramento Street Waterline Replacement Project. During the process of providing these services for this project, some additional work, outside the scope of our current agreement, was performed. Specifically, additional services were provided prior to construction not originally budgeted for, during construction when Caltrans required night work, during construction when the contractor opted to work both day and night shifts, during construction when four additional working days were added to the construction contract to replace three deteriorated storm drain pipes, and additional services were provided during construction when 15 additional working days were added to the construction contract for CCO #9. As a result, we are seeking an increase in our contract for Phase V. Construction Management, Inspection, and Materials Testing in the amount of **\$71,588** broken down as follow and supported below:

Additional Constructability Reviews	\$3,060
Cost Reduction Coordination	\$2,620
Potholing Pre-Construction	\$4,370
Night Work	\$18,270
Day & Night Inspections Same Day	\$3,355
Additional Working Days	\$8,403
CCO #9	<u>\$31,510</u>
TOTAL	\$71,588

Our fee of \$3,060 for the Constructability Review phase of our contract assumed a single plan check on the 100% PS&E package. We ended up performing a total of three constructability reviews; one for the 90%, 95%, and 100% PS&E packages. These two additional constructability reviews were the equivalent of the one we initially scoped which amounts to an additional cost of \$3,060.

At the bid opening it was determined that construction costs exceeded the available funding. We worked with the design engineer and contractor to value the project down to a fundable amount. This additional coordination between June 11th and July 13th was not included in our scope of services and amounted to an additional cost of \$2,620.

Our scope of services assumed construction management and inspection services for 75 working days. Prior to the start of construction it was determined that additional pothole exploration was required to take place before the controlling activity could begin. Since the potholing would take place prior to the start of the controlling activity, working days did not count against the potholing. At the request of the City, we oversaw this potholing and provided additional

construction management and inspection services during the weeks of October 3rd-7th and 10th-14th. These additional services amounted to an additional cost of \$4,370.

At the time our proposal for construction management, inspection, and material testing was prepared, final conditions of the Caltrans Encroachment Permit were not finalized. As such, we were not aware that this project would require night work inspection. Night work inspection requires an additional 2 hours from the construction manager as they must be available to coordinate with the contractor's project manager during the day and available to assist with inspection services at night. Night work also requires an additional 2 hours from an office engineer to review submittals and provide office support during the day that the inspector may have otherwise been able to handle during a day shift. To-date, there have been 22 night shifts with an additional seven anticipated for pre-digging and completing the tie-ins. These 29 night shifts amounted to an additional cost of \$18,270.

Our scope of services assumed one regular construction shift in a working day which would amount to 8 hours of inspection services per working day. In an effort to streamline the construction process and minimize impact to residents, the contractor and their sub worked both day and night shifts October 31st and November 3rd, 4th, 7th, 8th, 9th, 10th, and 18th. Our inspector at the WPI Ph 1B Project was able to perform these additional inspection services; an added benefit to the City which helped keep the additional cost down to \$3,355.

As mentioned above, our scope of services assumed construction management, inspection, and material testing services for 75 working days. During construction, three storm drain lines were found to be in extremely poor condition. In most cases, nearly the entire bottom of the storm drain pipe had corroded away. These lines were located across Chamberlain at Chapel, along Sacramento at Gilmore, and across Sacramento at Fiske. These three storm drain repairs resulted in four additional working days granted to the contractor. The additional construction management, inspection, and material testing services required to assist with these additional four working days amounted to an additional cost of \$8,403.

In the bid documents, an optional Line CC Extension in Sacramento between Chamberlain and Pacific was included. At the time of contract award, sufficient funding was not available, so the optional extension was eliminated from the contract. During construction it became apparent that this line was in significant distress and in need of immediate replacement. Capitalizing on the efficiencies of replacing this line by utilizing this construction contract, the City directed the contractor to proceed with the Line CC Extension. By proceeding with this work within the current construction contract, the City saved future design and contractor mobilization costs while realizing improved pricing for this work due to the economy of scale. In the end, this line extension is estimated to cost an additional \$230,978.40 and take an additional 15 working days. The additional construction management, inspection, and material testing services required to assist with these additional 15 working days amounts to an additional cost of \$31,510.

If you have any questions or comments, please don't hesitate to contact me.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jim Fisher".

Jim Fisher, PE, QSD/P