



# STAFF REPORT

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October 11, 2023

File Number 0600-10; A-3058-8; A-3325-3; A-3059-12

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## SUBJECT

### APPROVE CONTRACT AMENDMENTS FOR THE CITRACADO PARKWAY EXTENSION PROJECT

## DEPARTMENT

Development Services

## RECOMMENDATION

It is requested that the City Council adopt Resolution No. 2023-120, authorizing a change order to the construction contract with Flatiron West, Inc. in the amount of \$1,493,621.38 and adopt Resolutions 2023-121, 2023-122 and 2023-123 authorizing consultant contract amendments with AECOM Technical Services, Inc., Brian F. Smith and Associates, and TY Lin International in the amount of \$158,919, \$515,530.71 and \$845,013, respectively, for the Citracado Parkway Extension Project (“Project”).

Staff Recommendation: Approval (Chris McKinney, Interim Development Services Director/ Deputy City Manager and Julie Procopio, City Engineer)

Presenter: Julie Procopio, City Engineer

## FISCAL ANALYSIS

There are adequate funds in the budget for the Citracado Parkway Extension Project to cover the cost of the proposed change order and amendment amounts. Funds in excess of \$5.6-million remain available in the Project budget. The Project is funded with a combination of funding sources including a \$12.5-million Local Partnership Program grant, TransNet, Traffic Impact Fees, and a contribution from the Palomar Hospital project. The construction phase is estimated to cost \$33-million.

## PREVIOUS ACTION

On May 11, 2022 the City Council authorized the Mayor to execute an agreement with Flatiron West, Inc. in the amount of \$23,792,400.50 to complete the Citracado Parkway Extension Project.

On August 1, 2012, the City Council approved a design contract with AECOM in the amount of \$2,135,356. On June 22, 2022, the City Council authorized the Mayor to execute Amendment 10 with AECOM in the amount of \$469,249 to provide design support services during construction. Since that time staff has approved Amendment 11 to AECOM’s agreement in the amount of \$188,520 for review and monitoring of a blasting plan to address shallow rock, additional geotechnical review for the bridge abutments and soil nail wall, and re-design of Project sound wall foundations required to address utility conflicts, shallow groundwater, and rock.



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On August 1, 2012, the City Council approved a professional services contract with Brian F. Smith and Associates, Inc. in the amount of \$496,000. On June 6, 2021, the City Council authorized the Mayor to execute Amendment 7 with Brian F. Smith and Associates in the amount of \$691,064 to provide continued archeological services for mitigation and oversight during construction.

On February 5, 2020, the City Council approved a contract with TY Lin International, Inc. for construction management and constructability review in the amount of \$1,596,544. On June 22, 2022, the City Council authorized the Mayor to execute Amendment 1 with TY Lin International, Inc. in the amount of \$982,162.51 to support a longer anticipated construction duration based on a detailed constructability review that determined the timeline necessary to complete the Project. Since that time, staff has approved Amendment 2 to TY Lin's agreement in the amount of \$191,295 for additional construction management and inspection of sound wall foundation construction required due to the presence of shallow rock and excessive groundwater.

### **BACKGROUND**

Construction of the Project began on September 6, 2022. The original contract completion date was in February 2024. As a result of rainfall experienced toward the end of 2022 and in early 2023, the Project now has an estimated completion in late June 2024. Higher than average rainfall has resulted in a longer duration of construction as well as a higher than anticipated groundwater table. These conditions have resulted in an increase in the cost of construction and construction management. In addition, to mitigate the presence of shallow groundwater, rock, and unforeseen utilities, additional re-design efforts have also been required by the design engineer.

### **Construction Changes:**

The Environmental Impact Report for the Project requires noise-reducing sound walls along much of the existing segment of Citracado Parkway. Ground water levels in the area of the required sound walls have risen significantly causing a differing site condition that required a modified, slower and more costly method of construction of the sound wall foundations. Each wall footing required placement of a steel casing to allow installation of the steel reinforcing and concrete foundations. In addition, drilling was required in some areas where shallow rock was encountered. Change orders to the Flatiron West, Inc. contract in the amount of \$1,493,621.38 were necessary due to the extra work associated with construction of sound walls on the east-side of Citracado Parkway.

Similar groundwater and rock conditions are anticipated on the west side of Citracado Parkway and are expected to result in additional construction costs. To mitigate potential costs, one segment of sound wall is being re-designed with this amendment to provide a shallower footing that is anticipated to reduce the risk of exposure to rock and groundwater.



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Staff requests that the City Council approve change orders issued to date to the construction contract with Flatiron West, Inc. in the amount of \$1,493,621.38 to address unforeseen conditions encountered during construction of the easterly sound wall.

### **Construction Management Changes:**

An amendment to the agreement with TY Lin, the construction management consultant, is requested due to winter impacts to the Project. Progress on the Project was slowed as a result of the contractor's creek diversion being overtopped causing flooding of bridge foundation excavations approximately a dozen times, and requiring additional environmental compliance reporting and inspection. As a result, work on the bridge was paused between January and April 2023; however, work on other Project components continued when conditions allowed.

Unforeseen groundwater and rock resulted in the need for continuous inspection of the sound wall footings to track the time and materials necessary to determine the appropriate construction change order amount, resulting in four months of additional inspection in the amount of \$120,000. In addition, the new sound wall construction method required testing of the piles resulting in added costs in the amount of approximately \$48,000. The construction duration was extended by four months due to rain delays which have resulted in additional construction management cost of \$640,000. Staff recommends a contract amendment with TY Lin in the amount of \$845,013 to ensure construction management and quality assurance of the Project through its anticipated completion date.

### **Design Support:**

An amendment to the agreement with AECOM, the design consultants, is recommended due to winter impacts to the Project. During the course of construction, AECOM has supported re-design of sound wall foundation depths and pier locations for the easterly walls in response to encountering shallow groundwater, excessive rock, and utilities. On the west side of Citracado, re-design of one sound wall to change the footing type and additional design changes to a second sound wall are anticipated. The Project installs potable and recycled water lines for Rincon Water District. Changes requested by Rincon have resulted in an estimated \$70,000 in re-design costs, which are to be reimbursed by Rincon in accordance with the Agreement between the City and Rincon. In addition, the added construction duration is expected to result in additional Project management costs. Staff recommends authorization of a contract amendment with AECOM in the amount of \$158,919 for design support through the anticipated duration of construction.

### **Cultural Monitoring:**

An amendment to the agreement with Brian F. Smith & Associates, Inc., Project archeologist, is recommended due to added volumes of cultural soil, the high density of cultural deposits encountered during processing of cultural materials, and added monitoring of construction activities. Over three



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hundred cubic yards of soil were added for screening due to changes required in utility alignment and to provide additional storage area for pumped groundwater. In addition, the high number of culturally sensitive items found during screening of cultural soil has slowed laboratory processing of materials, in some cases requiring three times the effort to process and catalog excavated artifacts to meet Project permitting requirements of 100% recovery of cultural artifacts such as arrowheads, beads, tools, and burial items. Additional monitoring is needed as a result of the extended construction duration, additional potholing and required revisions to utility line installation. Staff recommends a contract amendment with Brian F. Smith and Associates, Inc. in the amount of \$515,530.71 for additional mitigation support, including cultural monitoring, reporting and artifact curation.

Brian F. Smith & Associates, Inc. was purchased by Perennial Environmental I, LLC. Please refer to the assignment consent attached to Resolution No. 2023-121.

### **Project Status:**

The Project is more than 50% complete. The bridge slab (driving surface) was being recently placed. Project sound walls on the easterly (northbound) side of Citracado Parkway are complete.

Over the next several months, the contractor will be continuing to import soil for the extended roadway on each side of the new bridge. Along the existing segment of Citracado Parkway, the sound walls on the westerly (southbound) side of the roadway will be constructed. This work will be followed by SDG&E's work to relocate existing vaults and install service points to connect street lights and traffic signals. Installation of irrigation within the existing segment of Citracado Parkway will also begin. The overall Project is expected to be complete in June 2024.

### **RESOLUTIONS**

- a. Resolution No. 2023-120
- b. Resolution No. 2023-121 w/Assignment Consent
- c. Resolution No. 2023-122
- d. Resolution No. 2023-123