



# STAFF REPORT

## CITY of YORBA LINDA

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### PUBLIC WORKS DEPARTMENT

**DATE:** MARCH 1, 2022

**TO:** HONORABLE MAYOR AND MEMBER OF THE CITY COUNCIL

**FROM:** JAMIE LAI, P.E. PUBLIC WORKS DIRECTOR/ CITY ENGINEER  
**PREPARED BY:** REGINA HU, P.E., SENIOR CIVIL ENGINEER

**SUBJECT:** APPROVE AMENDMENT NO. 1 AND DESIGN CONTINGENCIES TO THE PROFESSIONAL SERVICES AGREEMENT WITH CANNON CORPORATION FOR LAKEVIEW AVENUE WIDENING PROJECT FROM BASTANCHURY ROAD TO LEMON DRIVE

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### **RECOMMENDATION**

It is recommended that the City Council:

- (1) Approve Amendment No. 1 to the professional services agreement with Cannon Corporation (Cannon) in the amount of \$30,950, increasing the agreement amount from \$123,290 to \$154,240, for the Lakeview Avenue Widening Project from Bastanchury Road to Lemon Drive (Phases I and II); and
- (2) Authorize design contingency expenditures in an amount not to exceed \$18,493.50, equal to fifteen percent (15%) of the original agreement amount.

### **BACKGROUND**

The City Council awarded the contract for Engineering and Design Services for the Lakeview Avenue Widening Project to Cannon on June 1, 2021, for the amount of \$123,290. Since that time, Cannon has performed utility investigation, supplemental topographic survey, traffic signal feasibility study at Lakeview and Oriente, and preliminary design plans for Lakeview Avenue Phases I and II (Bastanchury Road to Oriente Drive and Oriente Drive to Lemon Drive, respectively).

### **DISCUSSION**

The additional scope being requested under this Amendment No. 1 is to refine substandard roadway crossfalls for better drivability and adjust private join conditions to accommodate these new roadway grades along Phase 1 of Lakeview Avenue (Oriente Drive to Bastanchury Road). The original design was performed approximately 10 years ago and was not completed; once the new designer began their field investigations the aforementioned deficiencies were discovered and have since been included as part of the amended scope request herein. This scope also includes striping options to optimize a

balance between parking needs and on-street bike lanes while also developing concepts for a median barrier between the Phases I and II transition at Oriente Drive. The current designer (Cannon) will revise and add necessary wall profiles and design details at these transitions. Pavement and roadway crossfalls were originally designed with steeper slopes. Our current designer proposes to adjust the roadway crossfalls to provide a smoother corridor for vehicular traffic.

Cannon's original agreement (No.21220035) was awarded in an amount not to exceed \$123,290. Subject to City Council approval, the aggregate contract amount after Amendment No. 1 will be \$154,240 as noted below. In order to provide contingency funds to cover any additional unforeseen design costs, it is recommended that a new 15% contingency (of the original design contract cost) in the amount of \$18,493.50 be authorized for use subject to City Manager's approval.

#### **Project Design Cost Breakdown**

|  |                     |
|--|---------------------|
| Cannon Original Agreement Amount                   | \$123,290.00        |
| Amendment No. 1                                    | \$30,950.00         |
| <b>SUBTOTAL</b>                                    | <b>\$154,240.00</b> |
| 15% Design Contingency (Original Agreement Amount) | \$18,493.50         |
| <b>DESIGN AGREEMENT TOTAL</b>                      | <b>\$172,733.50</b> |

#### **FISCAL IMPACT**

The City Council previously appropriated a total project budget of \$762,583 for the Lakeview Avenue Widening Project (Phases I and II) in the Fiscal Year 2021-2022 Capital Improvement Program Budget, approved on June 15, 2021. The City was awarded OCTA competitive grant funds and Measure M2 (212) funds for the construction phase of the project. There are sufficient funds programmed in the project budgets for SI201003 and SI231001, under account No. 4010050-461620, to accommodate the recommended action. Approval of the proposed amendment and contingencies will increase total project design level costs to \$172,733.50, leaving \$589,849.50 available in the Phase I and II project budgets.

#### **ALTERNATIVES**

The City Council may choose not to approve the amendment, but Phase I design plans will not be thoroughly completed. Not refining design details on final construction bid documents may cause delays and change orders during construction, and extended project schedule.

**ATTACHMENTS**

1. Attachment 1 – Lakeview Avenue Widening Vicinity Map
  2. Attachment 2 – Amendment No. 1 to Agreement #2120035 (Cannon)
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