



City of La Quinta

CITY / SA / HA / FA MEETING DATE: August 5, 2014

AGENDA CATEGORY:

ITEM TITLE: RATIFY CHANGE ORDER TO GRANITE CONSTRUCTION COMPANY AND AMEND PROFESSIONAL SERVICES AGREEMENT TO DUDEK FOR PHASE I PAVEMENT MANAGEMENT PLAN STREET IMPROVEMENTS

BUSINESS SESSION:

CONSENT CALENDAR: 9

STUDY SESSION:

PUBLIC HEARING:

RECOMMENDED ACTION:

Ratify Contract Change Order No. 1 to Granite Construction Company in the amount of \$160,765, and amend Professional Services Agreement to Dudek, in the amount of \$8,350 for the Phase I Pavement Management Plan Street Improvements Project.

EXECUTIVE SUMMARY:

- On May 20, 2014, City Council awarded the Phase I Pavement Management Plan (PMP) Street Improvements Project to Granite Construction Company. Dudek, the design engineer for the project, also provides construction support services for the City, including materials testing for which they were previously awarded a Professional Services Agreement in the amount of \$43,912.
- During construction, the contractor discovered substandard subgrade beneath the golf cart/bike path lane on the south side of Calle Tampico, between Avenida Bermudas and the entrance to the La Quinta Public Library. This deficient condition was caused by excessive moisture beneath the roadway structural section.
- In order to complete the paving project and reopen the street in a timely manner, staff directed the contractor to proceed on a time and material basis to bridge and stabilize the subgrade in accordance with recommendations from the design engineer.
- These corrective measures resulted in work outside the contract scope for both the contractor and design engineer.

FISCAL IMPACT:

Funding for these change orders is available within the Contingency (Granite) and Inspection/Testing/Survey (Dudek) line items of this project's budget. The Capital Improvement Program budget allocates \$1,997,206 for the rehabilitation of the roadways in and around The Village, including Calle Tampico, as follows:

Budget Line Item	Amount
Construction	\$1,588,423
Inspection/Testing/Survey	\$154,871
Design	\$43,912
Professional	\$20,000
City Administration	\$25,000
Contingency	\$165,000
Phase I Approved Budget:	\$1,997,206

BACKGROUND/ANALYSIS:

As part of the 2012 five-year PMP, Fiscal Years 2012 through 2014 and 2015/2016 included the following street segments:

- Calle Tampico between Eisenhower Drive and Washington Street
- Calle Tampico between Washington Street and Park Avenue
- Park Avenue between Calle Tampico and Avenue 50
- Avenue 52 between Washington Street and SilverRock Way
- Avenida Bermudas between Avenue 52/Calle Sinaloa and Calle Nogales

To date, subgrade problems have only been experienced on the south side of Calle Tampico, which were not found during design of the project despite soil borings taken in the area. The extent of the subgrade problem could only be discovered/determined after the asphalt roadway surface was removed. This substandard soil condition, which may have been caused by water intrusion from adjacent irrigation and/or utility leaks, was discovered on July 10, 2014. In order to complete the paving project and reopen the street in a timely manner, staff authorized the contractor to proceed on a time and material basis to replace and stabilize the subgrade starting July 21, 2014. The work was completed on July 30, 2014. In addition to Granite's expanded project scope, Dudek, through its geotechnical subcontractor, incurred additional expenses while investigating the cause of the soil failure in order to advise the City on how best to address the unforeseen soil condition. The compensation for additional work under Dudek's Professional Services Agreement must be approved by City Council since the amount exceeds five percent of the total design contract amount.

ALTERNATIVES:

To ensure that the resurfaced roadway will not degrade prematurely, the work was required to provide a stable roadway surface. Further, to ensure a timely reopening of

Calle Tampico, the work needed to be completed prior to Council authorization. Therefore, no alternative is recommended.

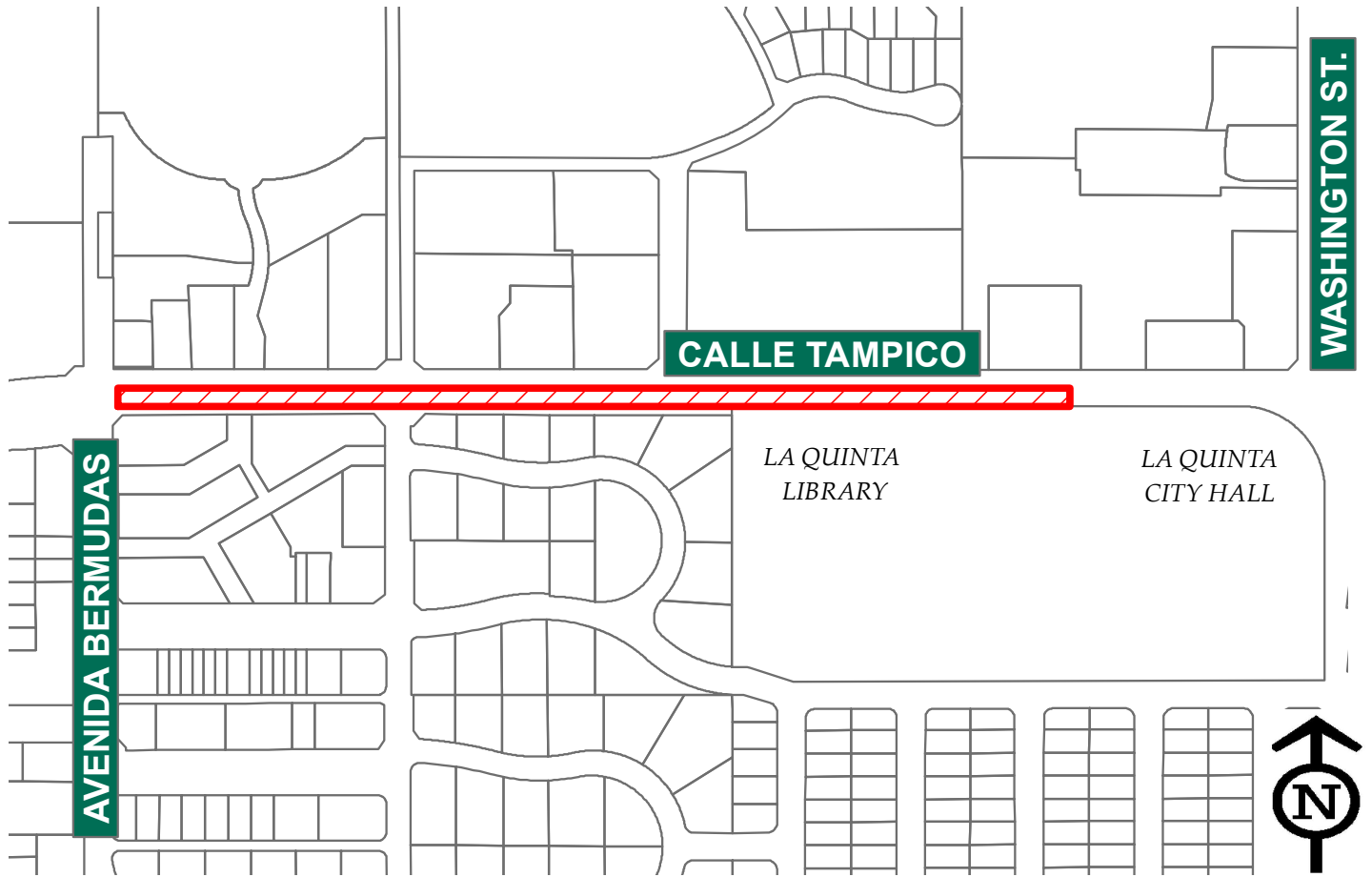
Report prepared by: Ed Wimmer, P.E., Principal Engineer

Report approved for submission by: Timothy R. Jonasson, P.E.

Public Works Director/City Engineer

Attachment: 1. Vicinity map

VICINITY MAP



LEGEND

 SUBSTANDARD SUBGRADE AREA

