



TOWN OF APPLE VALLEY

TOWN COUNCIL STAFF REPORT

To: Honorable Mayor and Town Council **Date:** October 23, 2018

From: Brad Miller, Town Engineer **Item No:** 2
Engineering Department

Subject: APPROVE EXTRA WORK REQUEST FOR THE APPLE VALLEY
SOUTH SAFE ROUTES TO SCHOOL - PROJECT NO. 2018-02

T.M. Approval: _____ **Budgeted Item:** Yes No N/A

RECOMMENDED ACTION:

Approve KOA Corporation's Extra Work Request of \$79,935.00 for the Apple Valley South Safe Routes to School Project subject to "Approval as to Form" by the Town Attorney and "Approval as to Content" by the Town Manager.

BACKGROUND:

The Town of Apple Valley received a \$3,470,000 Active Transportation Program grant to design and construct improvements to enhance access to the Mariana Academy, the Sandia Academy, and Apple Valley High School. On March 27, 2018, The Town awarded a Professional Services Agreement to KOA Corporation for design of the Apple Valley South Safe Routes to School project. In addition to design services, KOA's agreement includes bidding and construction support. Improvements include street widening, curb and gutters, sidewalks, ADA ramps, and high visibility crosswalks. In addition, the Class I bike path connecting Apple Valley High School to Tussing Ranch Road and from Navajo Road to Mendel Road will be reconstructed.

SUMMARY:

In order to maximize the impact of the construction funds for this project, the Town directed KOA to explore multiple design alternatives that remain in alignment with the intent of the scope of work and grant. After reviewing the concepts, Engineering staff selected an alternative that requires additional design time and effort but will make a greater impact on the overall project. With the additional work, the project will install curb and gutter along the east side of Navajo Road as well as additional asphalt.

FISCAL IMPACT:

Sufficient funding is available in the grant to cover the extra work. \$333,000.00 of the grant is allocated for design, and KOA Corporation's original Agreement is for \$206,308.00. The Extra Work Request of \$79,935.00 brings the total Agreement to \$286,243 which remains under the allocated amount for design services. Once approved, the project will have a remaining unused design fund balance of \$46,757 that can be utilized if additional support services are required during the bidding and construction phases.

ATTACHMENTS:

1. Project Map
2. Extra Work Request

Project Map



September 11, 2018

Rich Berger
Engineering Associate
Town of Apple Valley
14955 Dale Evans Parkway
Apple Valley, CA 92307

**Subject: EXTRA WORK REQUEST FOR APPLE VALLEY SOUTH
SAFE ROUTES TO SCHOOL (SRTS) DESIGN PROJECT FOR
THE TOWN OF APPLE VALLEY**

Dear Mr. Berger:

KOA Corporation (KOA) is pleased to provide engineering services to you for the Apple Valley South SRTS Design project. Based on meeting discussions with the Town staff, additional services that were not in the original Scope of Services are requested. We are most interested in performing the necessary services and are submitting this proposal accordingly.

The following describes in detail the additional scope of services:

Task 1: Additional meetings and coordination

At the kickoff meeting, City staff requested KOA to look into different alternatives for the SRTS improvement project. The grant application originally only proposes to add a Class I bike lane. The City expressed interest in widening the road to its ultimate width while constructing the bike lane. KOA was directed to explore options of roadway widening in addition to constructing a Class I bike lane as indicated in the original scope of work.

KOA will need to conduct additional meetings with City staff and coordinate with agencies including Edison for possible utility relocations and Caltrans for the grant approval and reimbursement process.

Task 2: Alternative concept development, evaluation and cost estimation (up to two additional alternatives)

After obtaining the topographic survey, KOA developed two additional concept plans in addition to the original alternative concept. Below is the brief introduction of the three alternatives (one original and two additional):

Alternative 1 Original Scope: total project cost estimate is

\$2.5 Million This alternative reflects what our original scope would provide.

- Navajo Road would have a Class I bike path on east side with some clearance from the roadway. Navajo Road will not be constructed at its ultimate ROW.
- Tussing Ranch Road would have a Class I bike path on north side with some clearance from the roadway. Tussing Ranch Road will be constructed at its ultimate ROW.
- Manhasset Road at Mariana Academy would be widened to include bike lanes and sidewalk along east side.
- Panoche would have sidewalk constructed on the south side
- Sandia would have sidewalk constructed on the south side

Alternative 2 Preferred: total project cost estimate is \$3 Million

This alternative includes some additional items added to the original scope.

- North segment of Navajo Road would have a Class I bike path on east side with some clearance from the roadway. Navajo would not be constructed to its ultimate ROW. However, we will construction the south segment of Navajo with a Class I bike path on east side and widen the roadway to its ultimate ROW
- Tussing Ranch, Manhasset, and Panoche Road are the same as Alternative 1
- Sandia Road, west of Pasco would need pavement rehabilitation and Class II bike lanes, along with sidewalk connecting to Sandia Elementary School. Sandia Road, east of Pasco would have a Class I bike path instead of regular sidewalk on the south side at ultimate ROW. Based on ROW availability, there is space.

Alternative 3 Ultimate Section Street Improvements: total project cost estimate is \$8 Million, including cost of various utilities and power poles

This alternative includes constructing all improvements at ultimate ROW, which would require relocation of many existing utilities.

- If SCE pole relocation cost is handled by SCE, the project cost would still be approximately \$5 million.
- Navajo would have a Class I bike path on east side and constructed at ultimate ROW for entire length and includes road widening and other street improvements.
- Tussing Ranch road would have Class I bike path on north side and constructed at ultimate ROW and includes road widening and other street improvements.
- Manhasset and Panoche are same as Alternative 1. □ Sandia Road is same as Alternative 2.

Task 3: Addition final design services for the preferred alternative (Alternative 2):

We anticipated that the City will select Alternative 2 as the preferred alternative. Additional final design work is needed as numbers of plan sheets including plans, profiles, and detail sheets will exceed the efforts estimated in the original proposal. The additional efforts are:

For Sandia Road:

Design services for additional improvements of south side of Sandia Road, including Class I bike path extension to Sandia Academy, Class II bike lane design, drainage, utility, and other related improvements

For Navajo Road:

Design services and utility research for additional improvements of Navajo Road. This includes providing wider sidewalks along Apple Valley High School, three VVTA bus turnouts, designing Class I bike path along ultimate ROW limit for southern portion of Navajo Road, and other related improvements.

Task 4: Additional technical specifications and cost estimates for the final bid document

The preferred alternative includes additional roadway widening, sidewalk construction, and drainage design which require additional technical specifications and cost estimation.

Task 5: Water Quality Management Plan (WQMP)

With the new preferred alternative, the ground disturbance area will be more than 10,000 SF. The water quality management plan (WQMP) is required per the standard. KOA will prepare WQMP document to satisfy the design requirement.

The detailed fee schedule is illustrated on the table below:

TASKS / DELIVERABLE	Principal/ PM	Senior Engineer/ Planner	Associate Engineer/ Planner	Assistant Engineer /Planner	Other Support	KOA Labor	Other Direct Costs	KOA TOTAL
Hourly Rates (Fully Burdened)	\$ 195.00	\$ 155.00	\$ 130.00	\$ 105.00	\$ 80.00			

Additional Services									
1	Additional meetings and coordination	18	18		15	12	\$8,835	\$500	\$9,335
2	Alternative concept, evaluation and cost estimation	12	24	24	40		\$13,380	\$200	\$13,580
3	Additional design services	40	60	80	80	60	\$40,700	\$300	\$41,000
4	Additional specification and cost estimation	8	16	25	20		\$9,390	\$200	\$9,590
5	Prepare WQMP	2	20		20	8	\$6,230	\$200	\$6,430
		80	138	129	175	80			
TOTAL		\$15,600	\$21,390	\$16,770	\$18,375	\$6,400	\$78,535	\$1,400	\$79,935

Our proposed additional fee is based upon our estimated hours of effort to produce comprehensive plans and the bid package.

The project staff, schedule, and other contractual terms for this extra work request follow the same as the original contract with the Town of Apple Valley.

AUTHORIZATION

KOA understands the importance of this project and plan to expedite the extra work. If you wish to discuss this proposal further, you may contact me at my office. If you wish to expedite authorization of the project, you may sign a copy of the proposal on the approved line and return to our office at my attention. This proposal is valid for 90 days.

Sincerely,



Min Zhou

Vice President

KOA CORPORATION

The Town of Apple Valley *has carefully reviewed this proposal and hereby authorizes KOA Corporation to commence work as indicated within the terms and conditions of this proposal.*

Signature

Name (Please Print)

Date

Title (Please Print)

Client Purchase Order or Project Number
