



Town Council Agenda Report

Date: January 26, 2021 Item No. 4

To: Honorable Mayor and Town Council

Subject: SR-18/APPLE VALLEY ROAD INTERSECTION REALIGNMENT
PROJECT CONTRACT AMENDMENT NO. 5.

From: Douglas Robertson, Town Manager

Submitted by: Brad Miller, Town Engineer
Engineering Department

Budgeted Item: ☒ Yes ☐ No ☐ N/A

RECOMMENDED ACTION

Approve Amendment No. 5 to the November, 2008 agreement between the Town of Apple Valley and Dokken Engineering for engineering services on the State Route 18/Apple Valley Road Intersection Realignment Project for an amount not-to-exceed \$45,643.

BACKGROUND

On November 18, 2008, the Town of Apple Valley entered an agreement with Dokken Engineering for Environmental and Design Services on the State Route 18 and Apple Valley Road Intersection Realignment Improvement Project for an amount not-to-exceed \$417,000.00. On June 10, 2012, the Town Council approved Amendment No. 1 in the amount of \$275,040 to address out of scope work necessary to meet changes in Caltrans requirements, update existing conditions within the project area and provide expanded services related to right-of-way appraisal/acquisition and landscape architecture tasks. On May 13, 2014, the Town Council approved Amendment No. 2 in the amount of \$169,680 to address additional out-of-scope work at later stages of the project. After that, 95% plans were submitted to Caltrans and comments were received. The project was put on hold in mid 2015 due to the lack of construction funds. With the Town's success in being awarded a \$4,450,000 SB1 LPP grant for construction, the project was able to move forward. In November of 2018, the Town approved Amendment No. 3 that would allow the then archived project to advance through 100% PS&E. On January 14, 2020, Town Council approved Amendment No. 4 for additional design effort to complete the 100% PS&E due to the extra level of effort to produce the PS&E, associated reports and engineering documents, that proven to be much more than included in Amendment No. 3. What started as a streamlined oversight project was

reviewed at Caltrans as a full oversight project. Multiple functional reviewers, many of which changed since the reengagement in late 2018, resulted in more design revisions, submittals, meetings, email and phone coordination than the budget allowed. The plan set grew from 115 sheets in November of 2018 to 199 sheets in the final set.

ANALYSIS

During the final design, Caltrans approvals necessary for project advertisement and CTC funding allocation, the project was subject to higher than expected level of scrutiny by Caltrans. The extra efforts necessary to have the project ready to advertise were not expected and, therefore, not included in Dokken's Amendment No. 4. This proposed Amendment No. 5 reflects the extra effort necessary for coordination (approximately \$5K) and final design (approximately \$120K).

On the other hand, preliminary design took less effort as initially estimated and that task results in savings of approximately \$20K. Once construction started, we were able to determine more accurately the level of effort necessary for Dokken to provide construction support throughout the end of construction and this translates into a savings of approximately \$60K.

If this amendment is to be approved, the total contract amount will be approximately \$1.6M which represents 20% of the construction total of approximately \$8M and is consistent with the industry standards.

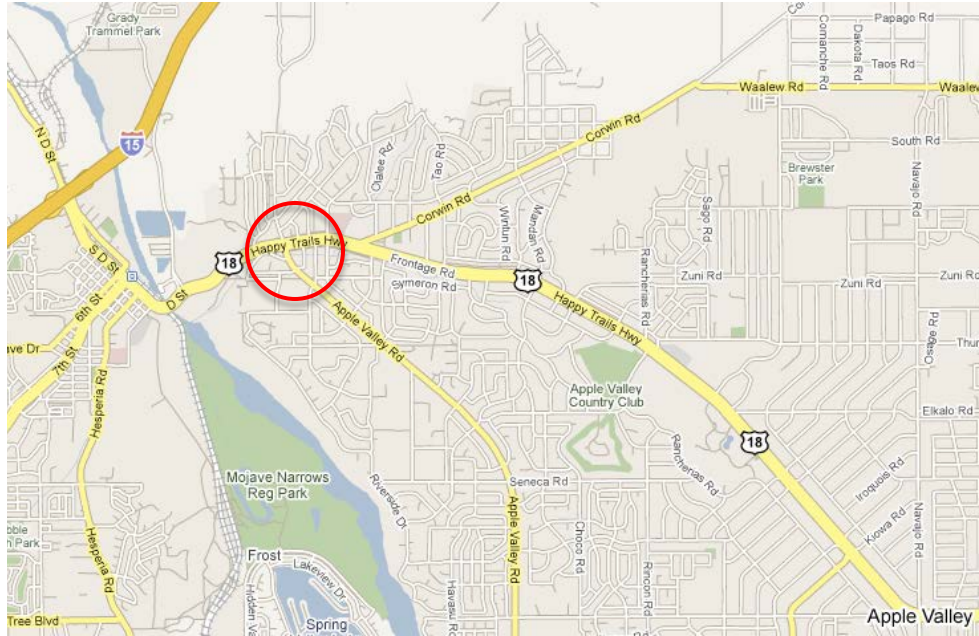
FISCAL IMPACT

There is sufficient balance in the current budget.

ATTACHMENTS

- A. Vicinity Map
- B. Dokken's Amendment Request

A. Vicinity Map.



B. Dokken's Amendment Request



DOKKEN ENGINEERING

Transportation Solutions from Concept to Construction

December 31, 2020

Paula Pereira
Project Manager
TOWN OF APPLE VALLEY
14955 Dale Evans Parkway
Apple Valley, CA 92307

RE: SR-18/Apple Valley Road Intersection Improvement Project
Contract Amendment No. 5 - Final Balancing Amendment Request

Dear Ms. Pereira,

The purpose of this letter is to request Amendment No. 5 to the November 2008 Agreement between the Town of Apple Valley and Dokken Engineering for engineering, environmental, right of way and construction support services for the State Route 18/Apple Valley Road Intersection Improvement Project. Design services are complete and construction efforts are well underway. It is therefore appropriate to close out the design phase and refine the construction support budget now that we have some experience with the construction and construction management companies on the job.

Dokken Engineering proposes to shift remaining budgets in tasks with savings or estimated excess budget to offset additional design and project processing services that arose during the final Caltrans Permitting activities. This results in a request for an additional not-to-exceed contract amount of \$45,643. The addition of this amendment brings Dokken Engineering's total contract amount to \$1,613,041. This represents a total fee for services of approximately 20% of the construction value. These services included a combination of Project Management (2%), Preliminary Engineering/Environmental Certifications (5%), Final Engineering (9%), Right of Way/Utility acquisitions/Agreements (2.5%) and Construction Support (1.5%) for a very complex project valued at approximately \$8,000,000 in construction costs. It is located on a State Highway and heavily travelled local road, with very close proximity to frontage roads and driveways.

Following is a description of the adjustment to services provided, or to be provided. The outline is consistent with the contract task numbering. *Attachment A: Contract Summary and Adjustments by Task* provides detail on the requested adjustments by Task and Subtask.

CONTRACT TASK

BUDGET ADJUSTMENT

TASK 1 - PROJECT MANAGEMENT

\$5,528

When Amendment 4 was submitted, it was anticipated sufficient budget for Project Management was available to the then projected transition to Bidding and Construction Support. In reality, it took a couple months longer. Also, the effort to process the project through the CTC for allocation of funds was more arduous than anticipated. The budget adjustment is this task accounts for the extra effort.



CONTRACT TASK

BUDGET
ADJUSTMENT

TASK 2 - PRELIMINARY ENGINEERING

-\$20,538

This task was completed under budget, so a reduction adjustment is proposed.

TASK 3 - FINAL ENGINEERING & RIGHT OF WAY

\$120,653

The extensive oversight from Caltrans required greater than anticipated effort from Dokken Engineering to receive the Encroachment Permit and Construction Authorization. What started as a Permit project, processed through Streamlined Oversight, was actually processed like a larger full oversight project.

Caltrans introduced additional reviewers to the process which resulted in additional requirement for completion of the plans, specifications, estimate and numerous design reports and certifications. An additional Supplemental Design Standard Decision Document (DSDD) was required for a feature at the job transition that was previously determined not to require one. Additional documents and agreements to grant authorization required to advertise the job for construction were also requested. Support was provided to finalize Electrical Maintenance and Project Specific Maintenance Agreements, reformatted Utility Agreement with Southern California Edison, and Survey Control sheet reconfiguration.

These additional requirements needed extensive coordination and between Dokken Engineering, Caltrans, and the Town of Apple Valley. Related documents were prepared. The contract budget did not allow for these efforts. To meet the project's critical funding deadlines, Dokken proceeding with the needed services in close consultation with Town staff. All these efforts led to the Town of Apple Valley retaining the SB-1 LPP Funds and successfully awarding the construction contract to Powell Constructors Inc. at an amount approximately 10% (\$1 million) below the Engineer's Estimate. The project has now been under construction for approximately four months.

This Task budget adjustment, together with those listed for other tasks, will allow the design phase to be closed out in balance.

TASK 4 – BIDDING AND CONSTRUCTION SUPPORT

-\$60,000

Construction activities are well underway, and we now have some experience with the level of effort that will be required to support this Contractor and Construction Management team. Given that history, it is proposed to reduce the construction support budget to leave a balance consistent with the average effort to date and the remaining construction timeframe. Closeout is anticipated at the end of 2021 with production of as-builts.

AMENDMENT NO. 5 REQUEST: \$45,643



Following is a summary of the current and proposed agreement amounts:

Original Contract Amount	\$ 417,000
Amendment No. 1	\$ 275,040
Amendment No. 2	\$ 169,680
Amendment No. 3	\$ 491,366
Amendment No. 4	\$ 214,312
Amendment No. 5	<u>\$ 45,643</u>
Total Proposed Contract Amount:	\$ 1,613,041

Dokken Engineering appreciates the opportunity to work with the Town on this project and looks forward to the ribbon cutting at the end of 2021. If you have any questions, please contact me at (916) 858-0642, or at ldiamond@dokkenengineering.com

Sincerely,

DOKKEN ENGINEERING

Elizabeth Diamond, PE
Project Manager

Attachments: A: Contract Cost Summary and Adjustments by Task

1783/052/EBD

TOWN OF APPLE VALLEY
SR 18/Apple Valley Road Intersection Improvement Project

AMENDMENT NO. 5
ATTACHMENT A: CONTRACT COST SUMMARY and ADJUSTMENTS by TASK
December 31, 2020

	Current Contract Amount	Spent to Date	Remaining Contract Balance	Amendment 5			New Contract Amount with Amendment 5	Remaining Balance with Amendment 5	% of Construction Cost*
				Budget Reallocation	Proposed Additional Budget	Total New Request			
Project Total:	\$1,567,398	\$1,560,179	\$7,220	\$45,643	\$0	\$45,643	\$1,613,041	\$52,863	20.16%
TASK # TASK DESCRIPTION									
1.0 PROJECT MANAGEMENT	151,340	\$156,868	(5,528)	\$5,528	\$0	\$5,528	\$156,868	-	1.96%
1.1 PDI Meetings	65,712	63,302	2,410	(2,410)	-	(2,410)	63,302	-	0.8%
1.2 Coordination with Caltrans	26,440	37,575	(11,135)	11,135	-	11,135	37,575	-	0.5%
1.3 Coordination with Town	59,188	55,991	3,197	(3,197)	-	(3,197)	55,991	-	0.7%
2.0 PRELIMINARY ENGINEERING/ENVIRONMENTAL	\$427,883	\$407,345	\$20,538	(\$20,538)	\$0	(\$20,538)	\$407,345	\$0	5.09%
2.1 Survey and Base Mapping	21,902	22,048	(146)	146	-	146	22,048	0	0.3%
2.2 Utility Research and Coordination	11,860	11,860	-	-	-	-	11,860	-	0.1%
2.3 Preliminary Hydraulic and Geotechnical Investigation	145,408	130,948	14,460	(14,460)	-	(14,460)	130,948	0	1.6%
2.4 Preliminary Design and Right of Way Requirements	112,659	113,196	(537)	537	-	537	113,196	(0)	1.4%
2.5 Technical Studies and Environmental Documentation	102,858	105,283	(2,425)	2,425	-	2,425	105,283	0	1.3%
2.6 Caltrans Permit Application and Approval Process	33,196	24,910	9,106	(9,106)	-	(9,106)	24,910	-	0.3%
3.0 FINAL ENGINEERING	\$803,795	\$924,448	(\$120,653)	\$120,653	\$0	\$120,653	\$924,448	\$0	11.56%
3.1 65% Plans	213,157	213,157	-	-	-	-	213,157	-	2.7%
3.2 95% Plans, Specifications, and Estimates	219,129	266,129	(47,000)	47,000	-	47,000	266,129	1	3.3%
3.3 Right of Way Exhibit Map and Individual Plats & Legal Descriptions	44,991	44,332	659	(659)	-	(659)	44,332	-	0.6%
3.4 Appraisals and Acquisition Services	137,118	128,009	9,109	(9,109)	-	(9,109)	128,009	0	1.6%
3.5 Utility Coordination	76,219	72,356	3,863	(3,863)	-	(3,863)	72,356	(0)	0.9%
3.6 100% Bid Package	113,181	200,465	(87,284)	87,284	-	87,284	200,465	-	2.5%
4.0 BIDDING AND CONSTRUCTION SUPPORT	\$184,380	\$71,518	\$112,862	(\$60,000)	-	(\$60,000)	\$124,380	\$52,862	1.55%
4.1 Bidding Support	59,900	58,972	28	(28)	-	(28)	58,972	-	0.7%
Dokken	57,000	58,972	(1,972)	1,972	-	1,972	58,972	-	0.7%
David Evans	1,000	-	1,000	(1,000)	-	(1,000)	-	-	0.0%
Group Delta	1,000	-	1,000	(1,000)	-	(1,000)	-	-	0.0%
4.2 Construction Support	125,380	12,546	\$112,834	(\$59,972)	-	(\$59,972)	65,408	\$52,862	0.8%
Dokken	117,380	12,546	104,834	(59,972)	-	(59,972)	57,408	44,862	0.7%
David Evans	4,000	-	4,000	-	-	-	4,000	4,000	0.1%
Group Delta	4,000	-	4,000	-	-	-	4,000	4,000	0.1%

*Based on Construction Cost of \$8,000,000

