



TOWN OF APPLE VALLEY TOWN COUNCIL STAFF REPORT

To: Honorable Mayor and Town Council **Date:** January 8, 2019

From: Brad Miller, Town Engineer **Item No:** 7
Engineering Department

Subject: SR-18/APPLE VALLEY ROAD INTERSECTION REALIGNMENT
PROJECT CONTRACT AMENDMENT NO. 3

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

RECOMMENDED ACTION:

Approve Amendment No. 3 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 \$491,366.

SUMMARY:

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/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. Since then, 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 recent success in being awarded a \$4,450,000 SB1 LPP grant for construction, the project can once again move forward.

Amendment #3 addresses the costs associated with restarting the project, complying with new Caltrans requirements, completing PS&E and obtaining a Caltrans Encroachment Permit. Dokken Engineering proposes to provide these additional services for a not-to-

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exceed amount of \$491,366. The addition of this amendment brings Dokken Engineering's total contract to \$1,353,086 for a combination of Project Approval & Environmental Documentation (PA&ED), Design (PS&E), Right of Way Acquisition, Permitting and project management services. The fee is competitive for a very complex project valued at approximately \$8,000,000 that includes the State Highway, frontage roads, utility conflicts, and property transactions involving the State of California, Caltrans and adjacent businesses. This represents less than 17% of the estimated construction costs and it is lower than the industry standards of 20 to 25%.

A summary showing the additional work required to complete the project is estimated for each task, is included as Attachment A (Amendment No. 3 – Task and Cost Proposal Summary). An overall Contract Cost Summary is included as Attachment B.

FINANCIAL IMPACT:

The current project budget reflects a multi-year schedule and there are sufficient funds approved for this amendment.

Vicinity Map

Not to Scale



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TOWN OF APPLE VALLEY
SR 18/Apple Valley Road Intersection Improvement Project
AMENDMENT NO. 3
ATTACHMENT A: ESTIMATED HOURS AND COST BY TASK
November 29, 2018

TASK DESCRIPTION	DOKKEN ENGINEERING														SUBCONSULTANTS			GRAND TOTAL		
	GA/OC Engineer \$190	Project Manager \$205	Project Engineer \$145	Senior Engineer \$165	Assoc Engineer \$120	Asstt Engineer \$95	RW Manager \$164	RW Agent \$128	Land Surveyor \$150	Senior CAD \$166	Engr Tech \$50	Sen Env \$155	Asso Env Planner \$115	Env Planner \$90	TOTAL HRS	Other Direct Expenses	TOTAL \$\$		David Evans	Group Delta Geotech
1.0 PROJECT MANAGEMENT	-	168	96	-	-	80	-	-	-	-	-	-	-	344	-	\$56,200	-	-	\$56,200	
1.1 Work Plan Implementation		88	32											100		\$18,560			\$18,560	
1.2 Coordination with Caltrans		60	32			40								132		\$20,860			\$20,860	
1.3 Coordination with Town		40	32			40								112		\$16,760			\$16,760	
2.0 PRELIMINARY ENGINEERING/ENVIRONMENTAL	56	60	102	108	48	356	-	-	12	-	72	32	40	60	946	500	\$119,858	\$11,700	\$8,700	\$140,258
2.1 Survey and Base Mapping		1	4			8			8						21		\$2,769	\$7,000		\$9,769
2.2 Utility Research and Coordination											72				0		\$0			\$0
2.3 Hydraulic, Storm Water and Geotechnical Reports	48	3	6	108	0	220					72				457		\$55,985	\$0	\$8,700	\$64,685
Drainage Report						32									32		\$3,136			\$3,136
SWPPP						32									32		\$3,136			\$3,136
WQMP						32									32		\$3,136			\$3,136
SWPPP						32									32		\$3,136			\$3,136
Final Geotechnical Report															4		\$1,421	\$8,700		\$10,121
2.4 Preliminary Design and Right-of-Way Requirements	8	40	60			48	80		4						240		\$33,020			\$33,020
2.5 Technical Studies and Environmental Documentation	8	8	8			16	16					24	40	60	156	500	\$18,588	\$4,700		\$23,288
2.6 Caltrans Permit Application & Approval Process	8	8	24			32						8			72		\$9,496			\$9,496
3.0 FINAL ENGINEERING	86	54	232	99	280	827	64	180	24	50	253	-	-	-	2129	\$10,000	\$269,577	\$29,100	-	\$298,677
3.1 65% Plans															0		\$0			\$0
3.2 95% Plans, Specifications, and Estimates	68	30	124	72	180	466			0	38	104				1062		\$130,386	\$25,000		\$155,386
Roadway, Electrical and Landscaping						20					80				100		\$8,000			\$8,000
Drainage						32					24				56		\$5,250			\$5,250
Structures						8					32				40		\$3,136			\$3,136
3.3 Right-of-Way Exhibit Map & Plat/Legal Descriptions		2	4			32			24		32				94		\$10,606			\$10,606
3.4 Appraisals and Acquisition Services		4					64	180							248		\$34,356			\$34,356
3.5 Utility Coordination		8	40			60	120				20				248	\$10,000	\$38,800			\$38,800
3.6 100% Bid Package	18	10	64	27	40	209				12	87				477		\$55,429	\$4,100		\$59,529
Roadway and Landscaping						12					80				92		\$8,960			\$8,960
Drainage						8					32				40		\$3,136			\$3,136
Structures						8					32				40		\$3,136			\$3,136
TOTAL	142	282	430	207	308	1263	64	180	36	50	325	32	40	60	3,419		\$435,135	\$40,800	\$8,700	\$484,135

TOWN OF APPLE VALLEY
SR 18/Apple Valley Road Intersection Improvement Project
AMENDMENT NO. 3
ATTACHMENT B: CONTRACT COST SUMMARY
November 29, 2018

TASK #	TASK DESCRIPTION	Current Contract Amount	Expended through 8/31/18	Remaining Contract Balance as of 8/31/18	Amendment 3			Proposed Total Contract Amount with Amendment 3	Remaining Balance with Amendment 3	% of Construction Cost*
					Balancing Adjustments	New Request	Net Request			
Project Total:		\$861,720	\$857,951	\$3,769	-\$3,769	\$495,135	\$491,366	\$1,353,086	\$495,135	17%
1.0	PROJECT MANAGEMENT	\$96,580	\$95,140	\$1,440	(\$1,440)	\$56,200	\$54,760	\$151,340	56,200	2%
1.1	Work Plan Implementation	35,040	38,433	(3,393)	3,392	18,580	21,972	57,012	18,580	
1.2	Coordination with Caltrans	28,280	14,280	13,980	(13,980)	20,860	6,880	35,140	20,860	
1.3	Coordination with Town	33,280	42,428	(9,148)	9,148	16,760	25,908	59,188	16,761	
2.0	PRELIMINARY ENGINEERING/ENVIRONMENTAL	\$341,870	\$287,625	\$54,245	(\$54,245)	\$140,258	\$86,013	\$427,883	\$140,258	5%
2.1	Survey and Base Mapping	25,830	12,133	13,697	(13,697)	9,769	(3,928)	21,902	9,769	
2.2	Utility Research and Coordination	11,500	11,860	(360)	360	-	360	11,860	-	
2.3	Preliminary Hydraulic and Geotechnical Investigation	79,250	80,723	(1,473)	1,473	64,685	66,158	145,408	64,685	
2.4	Preliminary Design and Right-of-Way Requirements	73,620	79,639	(6,019)	6,019	33,020	39,039	112,659	33,020	
2.5	Technical Studies and Environmental Documentation	101,650	79,570	22,080	(22,080)	23,288	1,208	102,858	23,288	
2.6	Caltrans Permit Application and Approval Process	50,020	23,700	26,320	(26,320)	9,496	(16,824)	33,196	9,496	
3.0	FINAL ENGINEERING	\$423,270	\$475,186	(\$51,916)	\$51,916	\$298,677	\$350,593	\$773,863	\$298,677	10%
3.1	65% Plans	125,320	213,158	(87,838)	87,837	-	-	213,157	(1)	
3.2	95% Plans, Specifications, and Estimates	57,380	63,743	(6,363)	6,363	155,386	161,749	219,129	155,387	
3.3	Right-of-Way Exhibit Map and Individual Plats & Legal Description	45,240	34,385	10,855	(10,855)	10,606	(249)	44,991	10,606	
3.4	Appraisals and Acquisition Services	115,430	102,762	12,668	(12,668)	34,356	21,688	137,118	34,356	
3.5	Utility Coordination	53,060	37,419	15,641	(15,641)	38,800	23,159	76,219	38,800	
3.6	100% Bid Package	26,840	23,720	3,120	(3,120)	59,529	56,409	83,249	59,529	

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