



# TOWN OF APPLE VALLEY

## TOWN COUNCIL STAFF REPORT

**To:** Honorable Mayor and Town Council    **Date:** November 18, 2014

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

**Subject:** YUCCA LOMA BRIDGE CONTRACT AMENDMENT #10 OF THE YUCCA LOMA BRIDGE/YATES ROAD/GREEN TREE BOULEVARD PROJECT CONTRACT AGREEMENT, IN THE AMOUNT OF \$404,000.00 FOR ADDITIONAL DESIGN, RIGHT-OF-WAY SERVICES, AND CONSTRUCTION SUPPORT.

**T.M. Approval:** \_\_\_\_\_

**Budgeted Item:**  Yes    No    N/A

### RECOMMENDED ACTION:

Approve the Yucca Loma Bridge Project Contract Amendment #10 with Dokken Engineering, the project's design contractor, in the not-to-exceed amount of \$404,000.00, subject to "Approval as to Form" by the Town Attorney and "Approval as to Content" by the Town Manager.

### SUMMARY:

The purpose of Contract Amendment #10 is to include tasks in association with additional design and right-of-way services for Yucca Loma Road, and additional coordination efforts related to the State Parkland Conversion 6(f) process, past and present services, provided as part of the Yucca Loma Bridge and Yates Road construction support, and continued general project oversight and management.

Dokken Engineering proposes to provide the additional services as outlined in the attached proposal for a not-to-exceed amount of \$404,000.00. This will bring Dokken Engineering's total contract to \$5,904,000.00. This total contract amount represents 11% of the estimated \$53,600,000.00 construction cost of the associated improvements which span from Apple Valley Road to Park Road and includes all planning, environmental, design, right-of-way and construction support services for the improvements between Apple Valley Road and Park Road (and to Hesperia Road for environmental). The proposed services are offered at a rate schedule that has remained unchanged since October of 2008.

A summary of the estimated effort for each task and phase of work is included in the attached Contract Amendment Request Letter from Dokken Engineering, dated October 29, 2014. This letter also identifies which agency, and to what degree, the Town of Apple Valley or the County of San Bernardino is responsible for the cost of each task.

## **BACKGROUND:**

To provide perspective, in 2006, the Federal Regional Transportation Improvement Program (RTIP) allocated \$2,800,000.00 to the Town of Apple Valley, specifically for the environmental studies and structural design of the Yucca Loma Bridge. This money was allocated based on the condition that the Town of Apple Valley provided 11.47% (\$321,160.00) in matching funds, for which the Town of Apple Valley had set aside and budgeted \$500,000.00, creating a Project Fund Balance of \$3,300,000.00.

The original contract with Dokken Engineering for this project was \$2,850,981.00, and included Final Designs for the Apple Valley jurisdictional areas of the project. The subsequent Amendment #1 expanded the Dokken Engineering contract to include Environmental Studies and Preliminary Engineering for the County of San Bernardino and City of Victorville segments, and an additional Amendment #2 provided for Supplemental Traffic Analysis relating to the above described expansion of the project, bringing the total contract to \$3,153,682.00. The Town of Apple Valley's planned budget for this project was \$3,300,000.00, and provided sufficient funds for the requested initial expansion of the environmental study area. Plus, with other jurisdictions now participating in the project, the 11.47% matching fund requirement is divided among the participating jurisdictions, reducing the Town of Apple Valley's overall cost.

In September of 2009, both the County of San Bernardino and the City of Victorville requested proposals from Dokken Engineering to provide Final Design Services for their respective segments of the project. On September 25, 2009, Dokken Engineering submitted Amendment Request #3, Part One and Part Two, that included completion of Final Design and Right-of-Way Services for the County of San Bernardino, and expanded Town of Apple Valley segments (Part One), as well as, Final Design Services for the City of Victorville (Part Two).

While the original RTIP Grant funds, and the Town of Apple Valley's 11.47% matching funds, covered the additional \$128,300.00 indicated in the proposal to appropriately amend the Town of Apple Valley component of the contract, the County of San Bernardino component required an additional commitment of \$208,600.00. The County of San Bernardino indicated its acceptance of the Dokken Engineering proposal and, on January 12, 2010, the Apple Valley Town Council approved Amendment #3, (Part One), excluding Part Two.

Contract Amendment, #3 added \$336,900.00 to the contract, plus approved a Change Order for the TIGER II Grant Application-Enhancement Support Services, in the amount of \$6,475.00, which brought the Dokken Engineering contract total to \$3,497,057.00. Dokken Engineering Contract Amendment #4, in the amount of \$97,815.00, covered construction related work pertaining to the Clearing and Tree Removal activities within the future bridge alignment, and brought the Dokken Engineering contract to a total amount of \$3,594,872.00.

Dokken Engineering Contract Amendment #5, in the amount of \$256,078.00, further modified the scope of work due to project delivery requirement changes including the need for construction documents for the 17 acre restoration area, expanded value analysis services, additional hydraulic analysis and design related to the regional storm drain facility to be installed in Yucca Loma Road, and delivering the Apple Valley Road to Park Road segment of the project in four (4) separate bid packages instead of two (2). Contract Amendment #5 was approved on May 24, 2011, and brought the total contract amount to \$3,850,950.00.

Dokken Engineering Contract Amendment #6 reinstated those tasks previously deferred in Contract Amendment #5, and provided for additional services related to the acquisition of the State owned parcels. It also included construction support services for the Yucca Loma Bridge and Yucca Loma Road construction contract packages. Contract Amendment #6, in the amount of \$847,400.00, approved on September 27, 2011, brought the Dokken Engineering contract to a total amount of \$4,698,350.00.

Contract Amendment #7 included tasks in association with obtaining approval of a Conversion Proposal for State Parklands affected by the proposed Yucca Loma Bridge/Yates Road/Green Tree Boulevard Corridor Project, and to revalidate the previous CEQA and NEPA determinations made in the Mitigated Negative Declaration and Finding of No Significant Impact. Contract Amendment #7, in the amount of \$149,650.00, approved October 11, 2011, brought the current Dokken Engineering contract to \$4,848,000.00.

Contract Amendment #8 approved on August 14, 2012, included tasks relating to additional design effort, right-of-way services and construction support, and brought the total Dokken Engineering contract to \$5,270,400.00.

Contract Amendment #9, approved on February 26, 2013, included expanded tasks relating to design effort, primarily in the area of Yates Road, and ongoing and expanded efforts relating to right-of-way acquisition. The Parkland Conversion Process has continued to expand with additional tasks and requests from State and Federal offices, and brought the total Dokken Engineering contract to \$5,500,000.

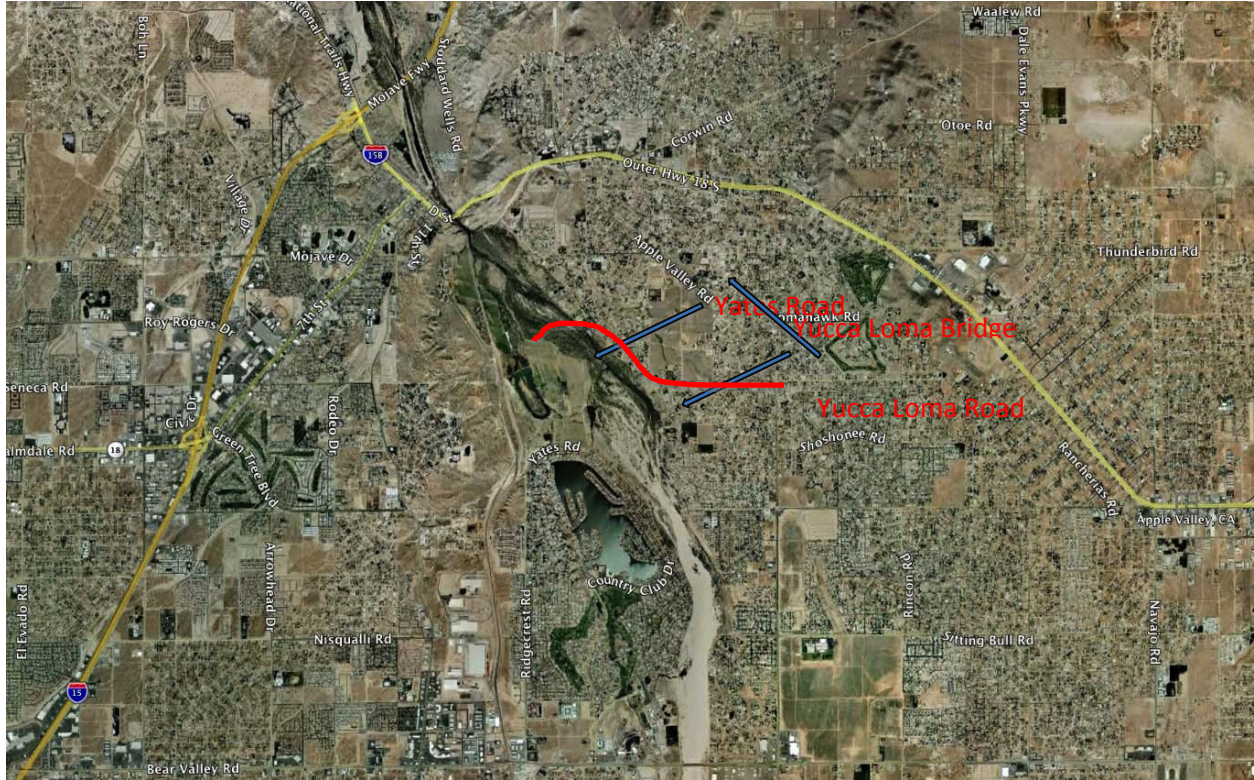
Contract Amendment #10 includes tasks in association with additional design and right-of-way services for Yucca Loma Road, and additional coordination efforts related to the State Parkland Conversion 6(f) process, past and present services, provided as part of the Yucca Loma Bridge and Yates Road Construction Support, and continued general project oversight and management. Contract Amendment #10 brings the total Dokken Engineering contract to \$5,904,000.00.

Based upon the foregoing, staff recommends adoption of the form motion.

**FISCAL IMPACT:**

There are sufficient funds approved for this amendment in the current project budget.

**VICINITY MAP:**





October 31, 2014

Mr. Brad Miller  
Town of Apple Valley  
Engineering Division  
14955 Dale Evans Parkway  
Apple Valley, CA 92307

RE: Amendment Request #1 for Construction Management Services on the Yucca Loma Road Widening and Drainage Improvements Project

Dear Mr. Miller

The purpose of this letter is to request Contract Amendment #1 to the October 2012 Agreement between the Town of Apple Valley and Parsons for Construction Management Services on the Yucca Loma Bridge over the Mojave River and Yates Road Improvements Project. This is the first of three phases of the greater Yucca Loma Road/Yates Road/Green Tree Boulevard Transportation Project. Amendment #1 proposes to expand the Construction Management Services to include the second phase, Yucca Loma Widening and Drainage Improvements Project, which is anticipated to go into construction in April 2015.

Parsons proposes to provide the additional Construction Management Services for the amount of \$1,009,661.26, which represents just 8.51% of the Engineer's Estimate of \$11,870,000.00 (Attachment 1) for the construction cost of the Yucca Loma Road Widening and Drainage Improvements project. Parsons is pleased to provide these services at a rate schedule that has remained unchanged since 2012. Parsons is able to provide Construction Management Services for a lower than industry standard percentage rate due to the following reasons:

1. Parsons is currently providing Construction Management Services to the Town of Apple Valley on the Yucca Loma Bridge and Yates Road Project, which is scheduled to continue through September 2015. The second phase of the greater project is anticipated to start in April 2015, which will overlap the first phase for approximately six (6) months. During this overlap period, key personnel will be providing services for both project phases at no additional cost to the Town. The proposed staffing plan illustrates this overlap (Attachment 2).
2. The Town of Apple Valley intends to supplement the Parsons team with inspection staff for roadway, utility, and electrical inspection, which reduces inspection costs. Parsons will continue to provide inspection services for more technical construction aspects, such as the drainage system and soundwall.

To more clearly illustrate the cost savings due to the above, Parsons has included a "stand alone" cost proposal, which represents the cost for providing Construction Management Services without taking into account the project overlap or the supplemented Town inspection staff (Attachment 3). This "stand alone" cost is estimated at \$1,524,031.28, which represents 12.84% of the Engineer's Estimate for construction. This already competitive amount is reduced by over \$500,000 to an estimated cost of \$1,009,661.26, which is a mere 8.51% of the Engineer's estimate (Attachment 4). Since this proposed



savings is primarily due to the six (6) month project overlap of the first two (2) phases of Construction, it is important to illustrate up-front that Parsons' ability to provide these services at this proposed amount is contingent upon the timely start date of Construction. If the construction start date is delayed past the anticipated April 2015, Parsons may require additional funds in order to provide the services outlined in the scope of service below.

**Scope of Services:**

<b><u>Contract Task</u></b>	<b><u>Cost</u></b>
<b><u>Parsons Construction Management Services</u></b> Parsons will provide Pre-Construction, Construction, and Post-Construction Construction Management Services, in accordance with the CM Responsibility Matrix (Attachment 5). In addition to the scope outlined in the original contract, Parsons will also provide "Local Assistance Support," which will develop a simplified "Local Assistance Manual" and train the Town of Apple Valley staff to administer future federal aid projects.	\$819,733.76
<b><u>Material Testing (Group Delta)</u></b> Parsons will subcontract with Group Delta to provide the required material testing for this project, as outlined in the original contract.	\$120,000.00
<b><u>Quality Assurance Surveying (TRLS Eng., Inc)</u></b> Parsons will subcontract with TRLS Eng., Inc to provide quality assurance surveying for this project, as identified in the original contract.	\$20,000.00
<b><u>Other Direct Costs (ODC)</u></b> Parsons ODC to provide these additional Construction Management Services.	\$49,927.50
<b><u>Total</u></b>	<b>\$1,009,661.26</b>
 <b><u>Summary:</u></b>	
Original Contract Amount	\$3,900,507.00
Amendment #1 Amount	\$1,009,661.26
<b>Total Proposed Contract Amount</b>	<b>\$4,910,168.26</b>

We appreciate this opportunity to continue to work with you, and look forward to the successful completion of this important phase of the Town of Apple Valley's vision for this corridor. If you have any questions, please call me at (909) 218-3650 or on my cell at (909) 782-0460.

Sincerely,

Ernest A. Figueroa, RLA  
Project Manager

cc: File  
Attachments

**TOWN OF APPLE VALLEY**  
**YUCCA LOMA ROAD WIDENING AND DRAINAGE IMPROVEMENTS**

<b>BID SCHEDULE AND ENGINEER'S ESTIMATE - 90% SUBMITTAL</b>									
Item	Item Code	P	F	S	Item Description	Unit	Quantity	ENGINEER'S ESTIMATE	
								Unit Price	Amount
1	70012				PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	1	\$ 10,000.00	\$ 10,000.00
2	66105				RESIDENT ENGINEER'S OFFICE	LS	1	\$ 70,000.00	\$ 70,000.00
3					TEMPORARY 6' CHAIN LINK FENCE WITH 20' DOUBLE DRIVE GATE	LF	1300	\$ 20.00	\$ 26,000.00
4	71325				TEMPORARY FENCE (TYPE ESA)	LF	13,000	\$ 4.00	\$ 52,000.00
5	74016				CONSTRUCTION SITE MANAGEMENT	LS	1	\$ 200,000.00	\$ 200,000.00
6				S	IMPLEMENT STORM WATER POLLUTION PREVENTION PLAN	LS	1	\$ 10,000.00	\$ 10,000.00
7	74057				STORM WATER ANNUAL REPORT	LS	3	\$ 2,000.00	\$ 6,000.00
8	74035				TEMPORARY CHECK DAM	EA	10	\$ 300.00	\$ 3,000.00
9	74028				TEMPORARY FIBER ROLL	LF	6,400	\$ 4.00	\$ 25,600.00
10					TEMPORARY SILT FENCE (SWPPP)	LF	2,500	\$ 5.00	\$ 12,500.00
11	74033		F		TEMPORARY CONSTRUCTION ENTRANCE	EA	2	\$ 8,000.00	\$ 16,000.00
12	74042		F		TEMPORARY CONCRETE WASHOUT (PORTABLE)	EA	2	\$ 5,000.00	\$ 10,000.00
13	74038				TEMPORARY DRAINAGE INLET PROTECTION	EA	21	\$ 500.00	\$ 10,500.00
14	160102				CLEARING AND GRUBBING	LS	1	\$ 50,000.00	\$ 50,000.00
15	74020				WATER POLLUTION CONTROL	LS	1	\$ 10,000.00	\$ 10,000.00
16	170101				DEVELOP WATER SUPPLY	LS	1	\$ 15,000.00	\$ 15,000.00
17	66999				CONSTRUCTION STAKING	LS	1	\$ 150,000.00	\$ 150,000.00
18	120090				CONSTRUCTION AREA SIGNS	LS	1	\$ 12,000.00	\$ 12,000.00
19	120100				TRAFFIC CONTROL	LS	1	\$ 25,000.00	\$ 25,000.00
20	129000				TEMPORARY RAILING (TYPE K)	LF	600	\$ 12.00	\$ 7,200.00
21					RELOCATE PRIVATE STRUCTURE	EA	4	\$ 2,500.00	\$ 10,000.00
22	160120				REMOVE TRFE	EA	10	\$ 500.00	\$ 5,000.00
23	141103			S	REMOVE TRAFFIC STRIPE	LF	3,600	\$ 2.00	\$ 7,200.00
24	150608				REMOVE CHAIN-LINK FENCE AND POSTS	LF	850	\$ 5.00	\$ 4,250.00
25	150620				REMOVE GATE	EA	1	\$ 250.00	\$ 250.00
26	150771				REMOVE ASPHALT CONCRETE DIKE	LF	7,200	\$ 2.50	\$ 18,000.00
27	150813				REMOVE 12" PIPE	LF	1850	\$ 100.00	\$ 185,000.00
28	150802				REMOVE MANHOLE	EA	12	\$ 500.00	\$ 6,000.00
29	150827				REMOVE DRAINAGE HEADWALL	EA	7	\$ 500.00	\$ 3,500.00
30	150833				REMOVE EXISTING CMU BLOCK WALL	LF	1000	\$ 5.00	\$ 5,000.00
31					REMOVE EXISTING TUBE STEEL FENCE	LF	16	\$ 75.00	\$ 1,200.00
32					REMOVE CONCRETE DECK (PARTIAL)	SF	27	\$ 100.00	\$ 2,700.00
33	150742				REMOVE ROADSIDE SIGN	EA	36	\$ 150.00	\$ 5,400.00

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Date Modified: 8/7/14

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**TOWN OF APPLE VALLEY**  
**YUCCA LOMA ROAD WIDENING AND DRAINAGE IMPROVEMENTS**

Item	Item Code	P	F	S	Item Description	Unit	Quantity	ENGINEER'S ESTIMATE	
								Unit Price	Amount
34					REMOVE EXISTING SEWER MANHOLE	EA	16	\$ 3,000.00	\$ 48,000.00
35					REMOVE SEWER PIPE	LF	5550	\$ 50.00	\$ 277,500.00
36	153116				COLD PLANE ASPHALT CONCRETE PAVEMENT	SY	160	\$ 4.50	\$ 720.00
37	153247				REMOVE CONCRETE (MISCELLANEOUS AREAS)	CY	25	\$ 75.00	\$ 1,875.00
38	153215				REMOVE CONCRETE (CURB AND GUTTER)	LF	950	\$ 4.00	\$ 3,800.00
39	190101		I		ROADWAY EXCAVATION	CY	7,000	\$ 10.00	\$ 70,000.00
40	198001		F		EARTHWORK (IMPORT)	CY	6,500	\$ 10.00	\$ 65,000.00
41					9% COMPACTED NATIVE	CY	1,450	\$ 5.00	\$ 7,250.00
42	490601		F		16" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	1,250	\$ 100.00	\$ 125,000.00
43	510524		F		MINOR CONCRETE (SOUNDWALL)	CY	160	\$ 450.00	\$ 72,000.00
44	518002				SOUNDWALL (MASONRY BLOCK)	SF	14,000	\$ 15.00	\$ 210,000.00
45					MASONRY PLASTER	EA	2	\$ 4,000.00	\$ 8,000.00
46	192045		F		STRUCTURE EXCAVATION (BOX CULVERT)	CY	58,095	\$ 20.00	\$ 1,161,900.00
47	193003		F		STRUCTURE BACKFILL (BOX CULVERT)	CY	3996	\$ 60.00	\$ 239,760.00
48	510090		F		STRUCTURAL CONCRETE (BOX CULVERT)	CY	3750	\$ 600.00	\$ 2,250,000.00
49	520107	P	F	S	BAR REINFORCING STEEL (CULVERT)	LB	1,017,982	\$ 1.00	\$ 1,017,982.00
50	510502		F		MINOR CONCRETE (MINOR STRUCTURE)	CY	20	\$ 600.00	\$ 12,000.00
51	731504		F		MINOR CONCRETE (CURB & GUTTER)	LF	6,410	\$ 20.00	\$ 128,200.00
52	731521		F		MINOR CONCRETE (SIDEWALK)	SF	19,280	\$ 8.00	\$ 154,240.00
53	731623		F		MINOR CONCRETE (CURB RAMP)	EA	14	\$ 2,500.00	\$ 35,000.00
54	731516		F		MINOR CONCRETE (DRIVEWAY)	EA	3	\$ 4,000.00	\$ 12,000.00
55			F		MINOR CONCRETE (MODIFIED CROSS GUTTER)	CY	40	\$ 600.00	\$ 24,000.00
56	731502		F		MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	CY	20	\$ 500.00	\$ 10,000.00
57					6' CHAIN LINK FENCE	LF	20	\$ 25.00	\$ 500.00
58	839735		F		CONCRETE BARRIER TYPE 742 (MOD)	LF	150	\$ 110.00	\$ 16,500.00
59					18" SDR 35	LF	2,800	\$ 125.00	\$ 350,000.00
60					48" SEWER MANHOLE	EA	12	\$ 6,000.00	\$ 72,000.00
61					18" RCP	LF	80	\$ 90.00	\$ 7,200.00
62	641113	P			24" RCP	LF	700	\$ 100.00	\$ 70,000.00
63					48" RCP	EA	100	\$ 250.00	\$ 25,000.00
64					54" RCP	EA	390	\$ 500.00	\$ 195,000.00
65					7' CATCH BASIN	EA	23	\$ 7,000.00	\$ 161,000.00
66					36" SADDLE MANHOLE	EA	1	\$ 4,000.00	\$ 4,000.00
67					48" MANHOLE	EA	8	\$ 4,500.00	\$ 36,000.00
68					60" MANHOLE	EA	2	\$ 6,000.00	\$ 12,000.00

**TOWN OF APPLE VALLEY**  
**YUCCA LOMA ROAD WIDENING AND DRAINAGE IMPROVEMENTS**

Item	Item Code	P	F	S	Item Description	Unit	Quantity	ENGINEER'S ESTIMATE	
								Unit Price	Amount
69					72" MANHOLE	EA	8	\$ 12,000.00	\$ 24,000.00
70					MANHOLE FRAME AND COVER	EA	18	\$ 3,000.00	\$ 6,000.00
71					STRAW WITH TACK (EROSION CONTROL TYPE D)	AC	12	\$ 2,800.00	\$ 3,360.00
72	152439				ADJUST FRAME AND COVER TO GRADE	FA	15	\$ 800.00	\$ 12,000.00
73	260201		F		CLASS 2 AGGREGATE BASE	CY	6,600	\$ 35.00	\$ 231,000.00
74	390132				HOT MIX ASPHALT (TYPE B)	TON	7,400	\$ 100.00	\$ 740,000.00
75	390137				RUBBERIZED HOT MIX ASPHALT (RAC-G)	TON	1,800	\$ 115.00	\$ 207,000.00
76					COMPENSATION ADJUSTMENT FOR PRICE INDEX FLUCTUATION - PAVING ASPHALTS	LS	1	\$ 20,000.00	\$ 20,000.00
77	839603	P			CRASH CUSHION (TYPE ADIEM)	EA	1	\$ 25,000.00	\$ 25,000.00
78					6' TEMPORARY FENCING	LF	500	\$ 7.00	\$ 3,500.00
79					BARRICADE (COUNTY DTL 305C)	EA	12	\$ 2,500.00	\$ 30,000.00
80	810110				SURVEY MONUMENT	EA	18	\$ 1,500.00	\$ 27,000.00
81				S	FURNISH AND INSTALL SINGLE SHIFT ALUMINUM SIGN	SF	220	\$ 100.00	\$ 22,000.00
82					ROADSIDE SIGN - ONE POST	EA	35	\$ 250.00	\$ 8,750.00
83					RELOCATE ENTRY SIGN	EA	2	\$ 2,500.00	\$ 5,000.00
84					RELOCATE ROADSIDE SIGN	EA	37	\$ 150.00	\$ 5,550.00
85					RESET ROADSIDE SIGN	EA	5	\$ 150.00	\$ 750.00
86					ROAD CLOSED BARRIER	EA	4	\$ 300.00	\$ 1,200.00
87					TEMPORARY PAVEMENT DELINEATOR	EA	260	\$ 30.00	\$ 7,800.00
88					TEMPORARY PAVEMENT DELINEATION	LI	14,400	\$ 1.00	\$ 14,400.00
89				S	PAVEMENT MARKER (RETROREFLECTIVE)	EA	850	\$ 4.00	\$ 3,400.00
90					PAVEMENT DELINEATOR REMOVAL	LF	12,900	\$ 1.00	\$ 12,900.00
91				S	THERMOPLASTIC PAVEMENT MARKING	SF	1,200	\$ 4.00	\$ 4,800.00
92				S	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)	LF	58,000	\$ 1.00	\$ 58,000.00
93					TRAFFIC SIGNAL AT HAVASU ROAD	LS	1	\$ 175,000.00	\$ 175,000.00
94					EMERGENCY SIGNAL AT FIRE STATION	LS	1	\$ 175,000.00	\$ 175,000.00
95		P			LIGHTING	LS	1	\$ 100,000.00	\$ 100,000.00
96					TEMPORARY HYDRAULIC MULCH (SWPPP)	SY	28,500	\$ 1.00	\$ 28,500.00
97	999990				MOBILIZATION	LS	1	\$ 980,963.70	\$ 980,963.70
<b>TOTAL ENGINEER'S ESTIMATE</b>								<b>\$</b>	<b>10,790,600.70</b>

10% Contingency \$ 1,079,060.07  
Total Engineer's Estimate \$ 11,869,660.77  
Say \$ 11,870,000.00





Town of Apple Valley - Yucca Loma Road Widening and Drainage Improvement													
Proposed Budget for Construction Management and Inspection Services (Stand-Alone)													
Construction Manager	Pre-Construction			Construction			Post-Construction			Total			
	Hours	Cost	Units	Hours	Cost	Units	Hours	Cost	Units	Hours	Cost	Units	Total Cost
Parsons (Prime)													
EF Ernie Figueroa	16	\$3,341.60		264	\$55,136.40		24	\$5,012.40		304	\$63,490.40		
RF Roy Fisher	8	\$1,881.20		88	\$20,693.20		8	\$1,881.20		104	\$24,455.60		
SS Serge Sinevod	80	\$12,352.80		1760	\$271,761.60		160	\$24,705.60		2000	\$308,820.00		
SM Shawn Marshelder	20	\$2,416.40		1760	\$212,643.20		80	\$9,665.60		1860	\$224,725.20		
ZM Zack Mazraani	40	\$6,837.20		1760	\$300,836.80		160	\$27,348.80		1960	\$335,022.80		
CW Christina Wong	40	\$3,652.80		1760	\$160,723.20		160	\$14,611.20		1960	\$178,987.20		
VS Veronica Seyde	16	\$2,366.88		132	\$19,526.76		12	\$1,775.16		160	\$23,668.80		
GB Gary Bedinian	8	\$1,454.00		88	\$15,994.00		8	\$1,454.00		104	\$18,902.00		
DW Dale Wilson	8	\$1,412.72		0	\$0.00		0	\$0.00		8	\$1,412.72		
DS Dennis Serafica	8	\$1,511.04		0	\$0.00		0	\$0.00		8	\$1,511.04		
KS Kirk Shimek	8	\$1,600.00		0	\$0.00		0	\$0.00		8	\$1,600.00		
TBD	0	\$0.00		352	\$52,800.00		0	\$0.00		0	\$150.00		
	252	\$8,826.64		7964	\$1,057,315.16		612	\$86,453.96		8476	\$1,182,745.76		
	SUBTOTAL												
Dynamic Engineering Services Inc (Electrical Inspection)													
JK John Kannor	8	\$1,190.72		720	\$107,164.80		0	\$0.00		728	\$108,355.52		
	8	\$1,190.72		720	\$107,164.80		0	\$0.00		728	\$108,355.52		
	TOTAL												
Group Delta (Material Testing)													
	Hours	Cost	Units	Hours	Cost	Units	Hours	Cost	Units	Hours	Cost	Units	Total Cost
													\$120,000.00
	TOTAL												
TRLS Eng., Inc (Surveying QA)													
	Hours	Cost	Units	Hours	Cost	Units	Hours	Cost	Units	Hours	Cost	Units	Total Cost
													\$20,000.00
	TOTAL												
Other Direct Costs (Parsons)													
	Units	Cost	Units	Units	Cost	Units	Units	Cost	Units	Units	Cost	Units	Total Cost
													\$6,720.00
	8	\$960.00	40	40	\$4,800.00	8	8	\$960.00	8	8	\$960.00	56	\$6,720.00
	180	\$1,800.00	7040	7040	\$70,400.00	560	560	\$5,600.00	7780	7780	\$77,800.00	7780	\$77,800.00
	600	\$1,000.00	5000	5000	\$2,750.00	600	600	\$330.00	6200	6200	\$3,410.00	6200	\$5,000.00
	600	\$330.00	5000	5000	\$2,750.00	600	600	\$330.00	6200	6200	\$3,410.00	6200	\$5,000.00
	600	\$4,090.00	5000	5000	\$80,950.00	600	600	\$7,890.00	6200	6200	\$92,930.00	6200	\$92,930.00
	SUBTOTAL												
	Hours	Cost	Units	Hours	Cost	Units	Hours	Cost	Units	Hours	Cost	Units	Total Cost
													\$94,343.96
	TOTAL PROJECT COST												

% of Engineer's Estimate: 12.84%

**Town of Apple Valley - Yucca Loma Road Widening and Drainage Improvement  
Proposed Budget for Construction Management and Inspection Services (In Combination with Yucca Loma Bridge & Yates Road Widening Project)**

Construction Manager	Pre-Construction		Construction		Post-Construction		Total		
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	
Parsons (Prime)									
EF Ernie Figueroa	16	\$3,341.60	216	\$45,111.60	24	\$5,012.40	256	\$53,465.60	
RF Roy Fisher	8	\$1,881.20	64	\$15,049.60	8	\$1,881.20	80	\$18,812.00	
SS Serge Sinevod	80	\$12,352.80	800	\$123,528.00	160	\$24,705.60	1,040	\$160,586.40	
SM Shawn Marshneider	20	\$2,416.40	1760	\$212,643.20	80	\$9,665.60	1,860	\$224,725.20	
ZM Zack Mazaani	40	\$6,837.20	800	\$136,744.00	160	\$27,348.80	1,000	\$170,930.00	
CW Christina Wong	16	\$2,366.88	132	\$19,526.76	12	\$1,775.16	160	\$23,668.80	
VS Veronica Seyde	8	\$1,454.00	88	\$15,994.00	8	\$1,454.00	104	\$18,902.00	
GB Gary Bedinian	8	\$1,412.72	0	\$0.00	0	\$0.00	8	\$1,412.72	
DW Dale Wilson	8	\$1,511.04	0	\$0.00	0	\$0.00	8	\$1,511.04	
DS Dennis Serafica	8	\$1,600.00	0	\$0.00	0	\$0.00	8	\$1,600.00	
KS Kirk Shimek	0	\$0.00	352	\$52,800.00	0	\$0.00	352	\$52,800.00	
TBD	0	\$0.00	5012	\$694,453.16	612	\$86,453.96	5876	\$819,733.76	
<b>SUBTOTAL</b>		<b>252</b>	<b>\$38,826.64</b>	<b>5012</b>	<b>\$694,453.16</b>	<b>612</b>	<b>\$86,453.96</b>	<b>5876</b>	<b>\$819,733.76</b>
<b>Group Delta (Material Testing)</b>									
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	
<b>TOTAL</b>				<b>\$120,000.00</b>				<b>\$120,000.00</b>	
<b>TRLS Eng., Inc (Surveying QA)</b>									
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	
<b>TOTAL</b>				<b>\$20,000.00</b>				<b>\$20,000.00</b>	
<b>Other Direct Costs (Parsons)</b>									
	Units	Cost	Units	Cost	Units	Cost	Units	Cost	
Subconsultant Management	0	\$0.00	40	\$4,800.00	8	\$960.00	48	\$5,760.00	
Equipment, Vehicles	0	\$0.00	3200	\$2,000.00	560	\$5,600.00	3760	\$37,600.00	
Supplies	0	\$0.00	2250	\$1,237.50	600	\$330.00	2850	\$1,567.50	
Mileage (Office Staff)	0	\$0.00	2250	\$1,237.50	600	\$330.00	2850	\$1,567.50	
<b>SUBTOTAL</b>				<b>\$40,037.50</b>		<b>\$7,890.00</b>		<b>\$49,927.50</b>	
<b>TOTAL PROJECT COST</b>									
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	
<b>TOTAL PROJECT COST</b>		<b>\$38,826.64</b>		<b>\$874,490.66</b>		<b>\$94,343.96</b>		<b>\$1,009,661.26</b>	

% of Engineer's Estimate: 8.51%

## YUCCA LOMA ROAD CONSTRUCTION MANAGEMENT RESPONSIBILITY MATRIX

Construction Management, Inspections, and Oversight Tasks	DE	TOAV	PTG	NOTES	CM HOURS
<b>Task 1 - Roadway Improvements</b>					
Grading Activities		X	X	PTG as needed	-
Paving Activities		X	X	PTG as needed	-
Traffic Control Oversight		X	X	PTG as needed	-
Submittal Review	X	X	X	RE to Delegate Review	50
Field Inspections		X	X	PTG as needed	-
Material Compliance		X	X	DE thru Submittal Review	100
Material Testing			X		Lump Sum
<b>Task 2 - Drainage System Construction</b>					
Submittal Review	X	X	X	RE to Delegate Review	80
Field Inspection and Excavation Inspection		X	X	PTG as needed	760
Material Compliance		X	X	DE thru Submittal Review	100
Material Testing			X		Lump Sum
<b>Task 3 - Utilities</b>					
Relocation Work and Coordination	X	X	X	DE as needed	-
Sewer Removal and Bypass		X	X	PTG as needed	-
New Sewer System Installation		X	X	PTG as needed	-
Submittal Review	X	X	X	RE to Delegate Review	80
Field Inspections		X	X	PTG as needed	-
Material Compliance		X	X	DE thru Submittal Review	100
Material Testing			X		Lump Sum
<b>Task 4 - 2 New Signals and 1 Signal Modification</b>					
Submittal Review	X	X	X	RE to Delegate Review	80
Field Inspections		X	X	PTG as needed	-
Signal Pole Relocation Work		X	X	PTG as needed	-
Material Compliance		X	X	DE thru Submittal Review	100
Material Testing			X		Lump Sum
Traffic Control Oversight		X	X	PTG as needed	-
<b>Task 5 - Soundwall Construction</b>					
Submittal Review	X	X	X		80
Field Inspections		X	X		300
Material Compliance			X	DE thru Submittal Review	100
Material Testing			X		Lump Sum
Property Owner Coordination	X	X	X	PTG as needed	-
<b>Task 6 - SWPPP/NPDES</b>					
Document Preparation & NOI	X				-
Document Update/Maintenance		X	X	PTG to work with Contractor for Reporting	12
Field Inspections		X	X		60
Compliance Checks		X	X		60
<b>Task 7 - Contractor Management, Invoicing, and Coordination</b>					
Constructability Review		X	X		252
QA/QC Survey (Horiz. and Vert.)		X	X	Town will direct Parsons	Lump Sum
Field Quantities		X	X	Quantities verified by Inspectors	200
Contractor Invoicing			X		400
As-Built Drawings / Post Construction	X	X	X		612
Schedule Oversight		X	X		88
Project Record and Federal Compliance		X	X		230
Federal Compliance Manual and Training			X		352
Change Orders and Claims	X	X	X		400
Resident Engineer/Office Engineer		X	X		1280
<b>1 Bold X Indicates lead on task and/or delegation.</b>					
<b>2 It is assumed Parsons will subcontract with a Material Testing Firm for all necessary testing.</b>					
<b>3 Parsons will subcontract with a local surveyor for line and grade QA/QC as needed and/or directed by the Town</b>					
<b>4. Parsons will be providing a full time Resident Engineer who is responsible for all coordination on-site</b>					
<b>5. Parsons will provide Federal Compliance Training to Town staff.</b>					
<b>Total Parsons Personnel Hours:</b>					<b>5876</b>





**DOKKEN ENGINEERING**

*Transportation Solutions from Concept to Construction*

October 29, 2014

Mr. Brad Miller  
TOWN OF APPLE VALLEY  
Engineering Division  
14955 Dale Evans Parkway  
Apple Valley, CA 92307

**RE: Amendment Request #10 to the Yucca Loma Road/Yates Road/Green Tree Boulevard Transportation Improvement Project Contract Agreement - Additional Design, Right of Way Services, and Construction Support**

Dear Mr. Miller:

The purpose of this letter is to request Contract Amendment #10 to the July 2007 Agreement between the Town of Apple Valley and Dokken Engineering for services on the Yucca Loma Road/Yates Road/ Green Tree Boulevard Transportation Improvement Project. Amendment #10 includes additional design and right of way services for Yucca Loma Road, additional coordination efforts related to the State Parkland Conversion Process, past and present services provided as part of the Yucca Loma Bridge and Yates Road Construction Support, and continued general project oversight and management.

Dokken Engineering proposes to provide the additional services as outlined below for a Not-to-Exceed amount of \$404,000. This will bring Dokken Engineering's total contract to \$5,904,000. This total contract amount represents approximately 12% of the estimated \$50,000,000 in costs associated with the construction of the improvements which span from Apple Valley Road to west of Park Road, and includes all planning, environmental, design, right-of-way and construction support services for those improvements (and to Hesperia Road for environmental). For the wide range of services provided at a rate schedule that has remained unchanged since October of 2008, we believe Dokken Engineering remains a good value for this large, complex, multiagency project.

A summary showing the estimated effort for each task included in this addendum is included as Attachment A: Amendment #10 - Task and Cost Proposal Summary. An overall Contract Cost Summary has been included as Attachment B. Descriptions of the added services are provided below. In addition, Attachment B identifies which agency, the Town, County, or City is responsible for the cost of each task.

**Description of Additional Scope of Services – Amendment 10:**

Following are descriptions of the added scope of services for each task affected by this amendment. The order listed below is consistent with the attached cost proposal and contract summaries.

**Contract Task**

**Additional Budget**

**PHASE 0: PROJECT MANAGEMENT**

**Task 0.2 Project Management – General Multi-Agency:**

**Task Total**  
**\$19,100**

At the request of the Town and County, Dokken has provided assistance in preparing supporting documents for cost sharing of the project between the Town, County, City, and SANBAG based on the various agreements in place for the project. Continued efforts related to overall project management, programming assistance, funding, and delivery coordination, including material preparation and meetings are also needed.





The budget augmentation requested is estimated to extend these services through January 2016, which is the anticipated completion for the Yucca Loma Bridge/Yates Road project.

This task only includes efforts as it relates to multi-agency coordination. Project management for Yucca Loma Road is covered under tasks 2.5C, 5.1, and 5.5C.

**PHASE 2: FINAL DESIGN, ENGINEERING, AND PERMITTING**

**Task 2.2 Environmental Permitting:**

Task Total  
\$8,000

*404 Army Corps of Engineers – Yucca Loma Bridge & Yates Road (\$4,000)*

Dokken has provided services to complete the re-verification of the 404 permit for the project's clearance to construction for Yucca Loma Bridge and Yates Road. Work associated with this task included extensive coordination with the USACOE staff overseeing the re-verification, preparing an amended HRMP, and preparing exhibits as needed and requested by USACOE.

In addition, an update to the permits shown below will be required prior to start of construction for Yucca Loma Road. Dokken is requesting budget to cover these efforts.

*401 Water Quality Certification Update – Yucca Loma Road (\$2,000)*

An update to the current permit with the Lahontan Regional Water Quality Control Board is required prior to the start of construction for Yucca Loma Road.

*1602 Streambed Alteration Agreement Update – Yucca Loma Road (\$2,000)*

An update to the current permit with the State Department of Fish and Wildlife is required prior to the start of construction for Yucca Loma Road.

**Task 2.4F – Combined 95% Set – Yucca Loma Bridge/Yates Road:**

Task Total  
\$6,200

Efforts related to creation and refinement of the combined plans, specifications, and estimate package for the Yucca Loma Bridge and Yates Road bid package required more time and resources than what was originally anticipated and requested in Amendment 8 in July of 2012. Dokken is requesting budget to balance this task with the expenditures already billed for this multi-agency shared task.

**Task 2.5 C – Yucca Loma Road 100% Plans, Specifications, and Estimate:**

Task Total  
\$29,500

As 90% final design progressed, it was determined by the Town that design of a new replacement Town sewer system would be needed. Dokken is proceeding with the sewer design to Town standards and preferences, as requested.

Original direction from the Town regarding the Apple Valley Road and Yucca Loma Road intersection was to protect the newly constructed existing improvements, which brought the intersection to an interim condition. At 65% design, the Town directed Dokken to go forward with the ultimate layout of the intersection, which would require the western two curb returns, signal poles, and existing improvements to be relocated and redesigned. Dokken has incorporated these requested changes into the plans.

Following the submittal of the 90% PS&E, final determination was made that the Yucca Loma Road phase of the overall project will be utilizing federal funds to supplement the cost of construction. This change affects the contract documents by incorporation of required federal language into the specifications, preparation of the



Caltrans standardized checklist for PS&E submittal, preparation of a Request for Authorization package for issuance of the construction E-76, and detailed estimates to address the various funding sources. In addition, as a result of the required Caltrans oversight of the project, it has also been determined that the project specifications, currently written to 2006 Caltrans format, will also need to be revised to adhere to the 2010 Caltrans Specifications. Additional budget for these substantial changes to the contract document specifications is requested.

Preparation of a Storm Water Pollution Prevention Program (SWPPP) has also been added to this task. When the previous scope was prepared, it was planned to have the contractor prepare the SWPPP. Recent experience on the bridge project and others led the Town to direct Dokken to prepare the initial SWPPP, which will then be updated as necessary by the contractor. This item also includes the \$2,100 filing fee.

In addition to the design work described above, project management for Yucca Loma Road is included in the budget requested for this task. Since other project management tasks within the contract are billed to multiple agencies, efforts related strictly to the Town's portion of the project have been isolated under this task.

Task 2.5 D – Yates Road 100% Plans, Specifications, and Estimate:

Task Total  
\$2,900

As the final design was completed for Yates Road, multiple iterations of comments from various County departments were received and addressed. The efforts associated with this work included more time and resources than was originally anticipated, but in the interest of meeting the bid schedule and per the direction of the County, Dokken moved forward with finalizing the bid documents. Dokken is requesting budget to balance this task with the expenditures already invoiced.

Task 2.6 – Right of Way Exhibits, Plats and Legals – Yucca Loma Road:

Task Total  
\$19,600

As final design progressed, it was determined there are 8 parcels along Yucca Loma Road where right of way is needed and 10 parcels that need a Permit to Enter and Construct. Budget is requested to prepare the property exhibits, review with Town staff, and prepare plats and legals for each of these parcels.

**TASK 3.0 RIGHT OF WAY ACQUISITION SERVICES**

Task Total  
\$67,700

Dokken Engineering will provide Right of Way Appraisal and Acquisition Services directly with their in house Right of Way Agents and subcontracted appraisers.

Task 3.6 Right of Way Acquisition Services – Yucca Loma Road:

*3.6.1 Appraisals and Waiver Valuations*

Appraisals are needed for four (4) parcels under three (3) ownerships, and Waiver Valuations are needed for four (4) parcels as an element for the determination of just compensation.

Appraisals for the estimates of value for proposed property acquisitions will meet the current Uniform Standards of Professional Appraisal Practice (USPAP) requirements. Appraisers will be licensed by the State of California. The sequential items of work in the appraisal process is generally as follows:





- Obtain Preliminary Title Report
- Review report to verify ownership, condition of ownership, and identify and note any easements or encumbrances.
- Prepare a "Notice of Intent to Appraise" that is sent to all property owners expected to have their properties partially or entirely acquired. This notice serves as an introduction to the owner that an appraiser will contact them shortly and ask for their cooperation. Appraisals will be provided by qualified independent fee appraisers, for purposes of estimating the property rights values. All procedures will conform to federal and state laws.
- Offer the owner or owner's representative to accompany the appraiser at the time of the formal appraisal inspection.
- A formal inspection by the appraiser will be conducted of the subject properties for the purpose of becoming completely familiar with the physical and functional characteristics thereof, as well as the influence of the immediate physical environment, and the general economic and sociological environment. .
- Market research will be conducted in the general subject area for sales and rental data of the properties reasonably familiar to the subject properties. The sales data will be confirmed with a part of interest (buyer, seller, and broker).
- The valuation analysis will be conducted by the appraiser based upon market data in the general subject market area. An analysis will be conducted and a comparison made of the subject property to the various sale properties with respect to the various elements of comparability, i.e. location, immediate environmental influences, land size, zoning, develop ability, etc.
- In the case of partial acquisition appraisal studies, consideration will be given to severance damages and/or project benefits to the subject property by virtue of the construction of the project in the manner proposed. The appraiser will also examine costs to cure measures which might mitigate any damages.
- The total just compensation analyses will be conducted by the appraiser.
- The formal narrative appraisal report will be prepared in summation of the activities outlined above. The report will be suitable for acquisition and condemnation purposes (if needed).

In the case of Waiver valuations, the process is as follows:

- Obtain Preliminary Title Report
- Review report to verify ownership, condition of ownership, and identify and note any easements or encumbrances.
- Prepare a "Notice of Intent to Inspect" that is sent to all property owners expected to have their properties partially or entirely acquired.
- Offer the owner or owner's representative to accompany the right of way agent at the time of inspection.
- An inspection will be conducted of the subject properties for the purpose of becoming completely familiar with the physical and functional characteristics thereof, as well as the influence of the immediate physical environment, and the general economic and sociological environment.



- Market research will be conducted in the general subject area.
- The valuation analysis will be based upon market data in the general subject market area. The project right of way agent will assess the property based on the research conducted in the area to determine a valuation.
- In the case of partial acquisition appraisal studies, consideration will be given to severance damages and/or project benefits to the subject property by virtue of the construction of the project in the manner proposed. The right of way will also examine costs to cure measures which might mitigate any damages.
- The total just compensation analyses will be conducted by the right of way agent.
- A Waiver Valuation will be completed suitable only for acquisition purposes.

### *3.6.2 Appraisal Review*

For the three appraisal to be prepared (one for two parcels), an appraisal review will be completed. The review will include:

- Inspecting sales to determine comparability,
- Reviewing appraisal for conformance to Uniform Standards of Professional Appraisal Practice,
- Reviewing “highest and best use” conclusions,
- Examining valuation methods,
- Analyzing exhibits,
- Checking mathematical calculations, and
- Preparing a narrative report that describes the review process and sets forth the reasoning behind the review.

The appraisal review will be done to ensure that the appraisal is based on a sound appraisal theory and contains appropriate documentation to support the appraisers’ conclusions and complies with regulatory codes. A determination of just compensation is then made based on the reviewed, collected, assembled, correlated, and analyzed data.

### *3.6.3 Acquisition/Negotiation*

Acquisition efforts will be performed in accordance with the appropriate State and Federal regulations, as well as local policies. The acquisition services to be provided include:

- Provide local Policies and Procedures Information Booklet for specific project for presentation to affected property owners.
- Review appraisals. Coordinate with staff and appraisers for any questions/comments regarding the reports.
- Prepare and make presentations to public groups, staff and elected officials, including, business and neighborhood associations, and Town Council.
- Review title reports and/or litigation guarantees as may be required. Coordinate clearance/elimination of clouds on title where applicable and act



as liaison for on-site pre-acquisitions inspections of properties as may be required.

- Prepare offer letters, summary statements, and lists of compensable items of fixtures and equipment, in accordance with state or federal regulations and approval of legal counsel.
- Present the written offer to purchase to the appropriate owners or their representatives in person, when possible, as soon as possible after receipt of letters from Town. In instances where the property owner declines to acknowledge receipt of the offer to purchase, a certification of presentation will be forwarded to the Town.
- Personally negotiate with the property owners (or their appointed representatives) for the purchase of the required property rights.
- Facilitate an offer from the Town to pay the reasonable costs, not to exceed five thousand dollars (\$5,000), of an independent appraisal ordered by the owner of a property that the public entity offers to purchase under a threat of eminent domain, at the time the public entity makes the offer to purchase the property. The cost of the owners appraisal is not included in this scope of services but would be paid for directly by the Town
- Continue personal negotiations with the property owners and tenants until every reasonable effort has been expended and it appears that the only remaining method of acquisition is through eminent domain proceedings.
- Prepare all acquisition agreements and other documents necessary to complete the acquisition in a form provided by the Town. The Town will provide Easement Deeds.
- Provide needed information to Town staff for preparation of Town agenda items and public hearing notices, as necessary for approval of acquisition terms.
- Maintain a diary of all pertinent information and contacts concerning the Project parcels.
- Provide a written summary of the status of the acquisition of each parcel on a monthly basis and/or upon request of Town staff.
- Promptly transmit all executed documents on successfully negotiated parcels to Town for acceptance, including necessary supporting agenda items.
- Coordinate open and close of escrow; request funds from Town.

If at some time negotiations for a parcel appear to be unsuccessful and eminent domain proceedings are decided to commence, Dokken Engineering can provide coordination and assistance necessary to aid the condemnation counsel. These services would be provided on a time and material basis and are not included in this scope of work.

#### *3.6.4 Escrow Services*

If negotiations are successful, the following steps will be taken to open and close escrow. The escrow period is also the time to ensure that the property can be conveyed to the Town without any unacceptable liens or encumbrances.

- Obtain property owner signature on agreement(s) and other necessary documents.





- Open escrow and coordinate escrow requirements with property owner.
- Provide draft instructions for Town approval.
- Coordinate payment between the Town and the Title Company.
- Review Title Report for liens, CCR's, and other encumbrances.
- Work with Town, Property Owner, and Escrow to clear title.
- Obtain all necessary documentation to convey title
- Review closing statements.
- Deposit funds
- Close escrow

Escrow and title fees (other than preliminary title report) and acquisition capital costs are not included.

### *3.6.5 Permits to Enter/Fee and Temporary Acquisitions*

The tasks required for obtaining permits to enter and construct, fee and temporary acquisitions for the properties impacted by the project include the following:

- Prepare and present necessary Permit to Enter and Construct Document with Property Exhibits as needed to the appropriate owners or their representatives for discussion.
- Provide information to the project and specific components that affect the property where construction access is needed.
- Obtain property owner signature on permit(s) and other necessary documents.

## **TASK 5.0 BIDDING AND CONSTRUCTION SUPPORT**

### **Task 5.1.2 – Construction Management Scoping – Yucca Loma Road:**

At the request of the Town, Dokken has provided assistance in scoping the construction management and support work between the Town/Dokken/Parsons project team for Yucca Loma Road. This task compensates for the level of effort requested.

**Task Total:**  
\$1,700

### **Task 5.2 – Bidding and Construction Support:**

**Task Total:**  
\$203,000

#### *Task 5.2 B Yucca Loma Bridge (\$100,300)*

At the request of the Town and County, Dokken provided assistance towards set up of the Public Purchase RFP site for potential bidders, posted contract documents, posted supplemental addenda, and assisted in managing the bidding process as needed. Additionally, Dokken prepared packaged bid documents for direct distribution to interested contractors, which resulted in printing and coordination costs. Dokken is requesting additional budget for this task that covers the shared benefit of the services provided to both the Town and County. County's portion of the shared costs is reflected in the task cost below for 5.2 D Bidding and Construction Support (Yates Road).

The Town requested Dokken's assistance and support for two informational public



outreach meeting with the Town residents prior to the start of construction and school staff. This was not previously covered in Dokken's bidding and construction support scope and budget to cover the work, materials, and time associated with these items is requested.

Dokken assisted the Town and Construction Management Team on Contract Change Orders that resulted in a savings of nearly \$500,000 for the project, such as the revised pile tip elevations and realignment of Soundwall 3 located at the Town's future right of way. These additional efforts, along with others that include input on meeting minutes, additional utility coordination for the bridge, and various coordination as requested, coincide with the level of effort requested by the Town, which exceeds the previous estimate. Funds requested will carry through with the current desired level of effort to the end of the project, estimated at December 2015.

*Task 5.2 C Yucca Loma Road (\$41,700)*

Based on the recently developed division of responsibility matrix for construction oversight of Yucca Loma Road widening, the level of effort previously estimated for this task needs to be augmented. The division of responsibility matrix is attached.

Additional design support efforts during construction include additional coordination with the community, public safety, and school due to the full closure of the roadway; coordination with property owners regarding soundwall construction; coordination of efforts between the prime contractor and the utility companies; sewer diversions and/or pumping; and assist the RE with coordination of the two separate construction projects and their contractors.

This item also includes running the bidding on Public Purchase and printing of bid documents to send to bidders and other plan holders.

*Task 5.2 D Yates Road (\$38,200)*

During preparation of the project bid documents, the County provided comments at the PDT on August 6<sup>th</sup>, 2013 on behalf of Transportation Planning, Design, and Traffic. These comments were relatively minor in nature and were addressed prior to issuance of the Notice to Bidders on August 22<sup>nd</sup>, 2013, at which time bid documents were made available for contractors. On August 29<sup>th</sup>, 2013, the County sent additional comments from its Traffic Division. These additional comments were extensive in nature and included changing the standards to which the traffic signal at Park Road was designed from the County's standards to the 2010 State standards. This was a different direction than what was provided by County Traffic Division at the 95% and 100% submittal milestones. These supplemental and substantial comments affected the plans, specifications, and estimate for the project, which were updated and issued as part of Addendum #3. Since this work took place during the Bidding and Construction Support phase of the project, Dokken is requesting an amendment to this task to replace the budget that was exhausted as a result of the requested changes after the Notice to Bidders had been released. Without the budget adjustment requested, sufficient funds are not available to support construction activities for Yates Road.

Other tasks performed at the request and benefit of the County included a pre-construction public meeting held at Spring Valley Lake and substantial utility coordination with Southern California Edison and Southwest Gas for their new major





infrastructure facilities constructed within Yates Road, all of which followed issuance of the Notice to Bidders and were unforeseen and not included in the original scope for this task. The County's portion of efforts related to the bidding process have also been included under this task and includes tasks described above in 5.2 B.

During design, it was identified to the Town and County that the southeast parcel (known as the Zhang property) at the Yates Road and Fortuna Lane intersection encroached upon the adjacent State parcel that is slated to become Town and County right of way and was included in the Parkland Conversion for the project. A determination was made to wait until the right of way property deed transferred from the State to the County and Town before eliminating the encroachment by Zhang property. However, initial coordination has begun and additional coordination is anticipated to address the encroachment and facilitate an acceptable course of action to the County and Town for construction of the improvements.

*Task 5.2 E Restoration Area (\$22,800)*

As a result of coordination related to the issuance of the USACOE 404 permit re-verification, effectively allowing the project to go to construction, changes to the restoration plans, applicable specifications, and estimate were made and issued via addendums #3 and #4. The changes required were unforeseen at the time the task scope was developed and efforts associated with this work depleted the bidding and construction support budget for the restoration area. Additional budget is requested to replace moneys spent to complete this work.

This item also includes funds for our subconsultant landscape architect to inspect the plant material at the nursery and after delivery to the site.

Task 5.5 Biological Construction Monitor/ECR Compliance/SWPPP:

Task Total:

*Task 5.5 B Yucca Loma Bridge (\$21,300)*

\$40,500

- SWPPP (\$3,300): Throughout the project's planning and development, it was agreed amongst the Town, County, and Dokken that the SWPPP would be prepared and amended as needed by the Contractor. At the 8/6/13 PDT, it was collectively decided between the Town and County that they would prefer Dokken to prepare the SWPPP, assist with issuance of the NOI, and amend the plans and specifications accordingly, leaving only amendments to the SWPPP to be the responsibility of the contractor. It was further understood that there was not sufficient time for Dokken to complete the SWPPP prior to issuance of the bid documents on 8/22/13, and therefore, the SWPPP would be developed and issued as an addendum to the project and be billed under Bidding and Construction Support for both the bridge and Yates to split the cost amongst the two agencies. The SWPPP and its resultant impact to the plans, specifications, and estimate was included as part of Addendum #3. Work requested and associated with preparation of the SWPPP included staff and resources to create the SWPPP binder document, providing support and assistance to the Town for submittal and issuance of the NOI, and paying for the associated NOI fee on behalf of the Town and County. Dokken is requesting an amendment to this task to replace the



budget that was depleted as a result of the requested work associated with the SWPPP (\$2,150). Also included is a portion of the State SWPPP filing fee (\$1050).

- Paleontological Monitoring (\$18,000): It was determined that Pier 13 and Abutment 14 are mapped as paleontologically sensitive areas and required full time paleontological monitoring during excavation in those areas. This task also included a monthly progress report letter or a weekly email to summarize monitoring efforts for compliance with the Environmental Compliance Record. All of work was calculated at a time and materials rate, not a fee, and the amount requested for this task is a “not to exceed” amount.

*Task 5.5 D Yates Road (\$4,800)*

Additional Budget for this task is requested to cover the County’s portion of the work associated with preparation of the SWPPP (\$3,850) and the submittal fee (\$1050) for the Notice of Intent to the State.

*Task 5.5 E Restoration Area (\$14,400)*

Additional Budget for this task is requested to cover the County’s portion of the work associated with preparation of the SWPPP (\$3,850) and the submittal fee (\$1050) for the Notice of Intent to the State.

Task 6.0 State Land Conversion and Revalidation of the Environmental Document:

*Sub Task 6.1 State Parcel Acquisition Coordination*

As part of the conditional approval of the conversion by NPS, the project is required to provide quarterly updates to OGALS and NPS, which are to be submitted by WCB. The work associated with this item includes preparing a letter on behalf of and signed by the Wildlife Conservation Board, which is then submitted to OGALS. The letter will provide supporting information regarding what has been done since the approved conversion amendment and what work is anticipated to be completed in the upcoming quarter. Prior discussions with the Town and County have indicated they would prefer Dokken provide the supplemental support information for the conversion. Dokken is requesting additional budget to this task to complete the work associated with the required NPS Quarterly Updates.

At the request of the Town and County, Dokken has provided additional support for efforts to acquire the replacement parcels needed in order to complete the Parkland Conversion process with the State and NPS. This was not included in our original scope for the State Land Conversion, which was developed prior to the knowledge of the project’s requirements to acquire replacement property. Dokken is requesting budget for this task to reconcile for services already performed and additional services for continuing support on the acquisition of the replacement properties.

Schedule of Performance

In accordance with Section 3.2 of our contract, we also request, as part of approval of this amendment, that the Town acknowledge that the term of the agreement will extend through the anticipated end of construction, which is anticipated to be June of 2016.

Task Total:  
\$5,800





**Summary**

A detailed estimated cost breakdown of all services associated with this amendment is provided in Attachment A: Amendment #10 –Task and Cost Proposal Summary. These services would be provided on a time and material, not-to-exceed, basis in accordance with the current Agreement. The current and proposed contract amounts are summarized as follows:

<b>Original Contract Amount</b>	<b>\$2,850,982</b>
Amendment 1: Green Tree Extension ED	\$283,000
Amendment 2: Supplemental Traffic Analysis	\$19,700
Amendment 3, Part I: Apple Valley Road to Park Road (Two Bid Packages; added Right-of-Way Services)	\$336,900
Amendment 4: Clearing and Tree Removal PS&E and Construction Support	\$97,815
Amendment 5: Additional Scope and Extended Services – Yucca Loma Bridge	\$256,078
Amendment 6: Additional Right of Way Services and Construction Support for Town Facilities	\$847,400
Amendment 7: State Land Conversion and Revalidation of the ED	\$149,650
Amendment 8: Additional Design, Right of Way Services, and Construction Support	\$422,400
Amendment 9: Additional Design, Right of Way Services, and Construction Support	\$229,600
TIGER II Grant Application Assistance	\$6,475
<b>Total Current Contract with Amendments 1, 2, 3-P1, 4, 5, 6, 7, 8, 9, and TIGER II Grant Application Assistance</b>	<b>\$5,500,000</b>
<u>Amendment 10 Request:</u> Additional Design, Right of Way Services, and Construction Support – Yucca Loma Road	\$404,000
<b>Total Proposed Contract Amount</b>	<b>\$5,904,000</b>

We continue to appreciate the opportunity to provide continued services for this major transportation project and look forward to hearing from you regarding this work. If you have any questions or need additional information, please contact me at (916) 858-0642.

Sincerely,

DOKKEN ENGINEERING

Elizabeth B. Diamond, PE  
Director of Engineering/Project Manager

- Attachments:
- Attachment A: Task and Cost Proposal Summary
  - Attachment B: Contract Cost Summary
  - Yucca Loma Road Construction Oversight Responsibility Matrix

cc: Eric Jacobsen, Transportation Planning Chief, San Bernardino County  
Jinghui Bradley, Transportation Planning Project Manager, San Bernardino County

1688-052/EBD/jww





TOWN OF APPLE VALLEY  
 Yucca Loma Road/Yates Road/Green Tree Boulevard Transportation Improvement Project  
 ATTACHMENT B: CONTRACT COST SUMMARY

Task #	Task	Current Contract Amount - Amend 1, 2, 3-P1, 4, 5, 6, 7, 8, 9, and Tiger Grant	Expended through September 30, 2014	Remaining Contract Balance as of September 30, 2014	Amendment 10	Contract Amount with Amendment 10	County Cost Share of Amendment 10*	Town Cost Share of Amendment 10*	City Cost Share of Amendment 10*	% Value of Construction	Construction Value of Work
		\$5,500,000	\$5,317,935	\$182,065	\$404,000	\$5,904,000	\$59,770	\$344,230	\$0		\$0
0.1	PROJECT MANAGEMENT										
0.1	Project Management - Phase 1: PA&ED	547,569	535,430	14,139	19,100	566,669	-	19,100	-	0.71%	\$ 80,000,000
0.2	Project Management - Phase 2: General Multi-Agency	311,868	308,415	3,453	-	311,868	-	-	-	-	-
0.3	Public Outreach/Coordination - Roundtable and Final Design	192,791	193,142	(444)	19,100	211,884	-	19,100	-	-	-
		42,900	33,872	8,028	-	42,900	-	-	-	-	-
1.0	PHASE 1 - PE & ENV COMPLIANCE										
1.1	Preliminary Engineering	51,564,117	1,592,280	1,838	-	1,594,117	-	-	-	1.86%	\$ 80,000,000
1.2	Env Documentation & Compliance	697,742	654,413	(26,671)	-	677,742	-	-	-	-	-
		936,378	948,987	27,589	-	936,378	-	-	-	-	-
2.0	PHASE 2 - FINAL DESIGN & ROW ENGR TASKS										
2.1	Final Geotechnical and Hydrology Reports	2,419,188.04	2,183,808	36,938	86,200	2,485,396	6,000	86,200	-	4.97%	\$ 50,000,000
2.2	Environmental Permitting	298,028	112,522	185,506	-	298,028	-	-	-	-	-
2.3	65% Plans and Estimate	76,131	74,437	1,694	8,000	79,131	2,000	8,000	-	-	-
2.4	90% Plans, Specs and Estimate	963,826	922,025	41,801	6,300	963,826	-	-	-	-	-
		577,857	673,441	(95,584)	3,100	578,341	3,100	3,100	-	-	-
A	Yucca Loma Road	38,983	41,488	(2,505)	-	38,983	-	-	-	-	-
B	Yates Road	25,671	25,671	-	-	25,671	-	-	-	-	-
C	Yucca Loma Road	141,841	138,497	3,344	-	141,841	-	-	-	-	-
D	Yates Road	141,200	138,497	2,703	-	141,561	-	-	-	-	-
E	Yates Road	10,000	8,700	1,300	-	10,000	-	-	-	-	-
F	Combined 50% - 100%	95,100	95,300	(200)	5,200	100,300	3,100	5,200	-	-	-
2.5	100% Plans, Specs and Estimate	206,117	122,044	84,073	37,400	237,474	2,900	37,400	29,500	-	-
A	Clearing and Tree Removal	18,373	18,373	-	-	18,373	-	-	-	-	-
B	Yucca Loma Bridge	67,600	67,600	-	-	67,600	-	-	-	-	-
C	Yucca Loma Road	91,507	91,507	-	-	91,507	-	-	-	-	-
D	Yates Road	5,098	5,098	-	-	5,098	-	-	-	-	-
E	Restoration Area	11,800	11,800	-	-	11,800	-	-	-	-	-
2.8	ROW Exhibit, Plans, and Legal	138,898	138,785	113	18,800	157,585	-	-	-	-	-
2.9	Other Agency Approvals	57,484	62,278	(4,794)	-	57,484	-	-	-	-	-
3.0	Design Approval	37,997	37,997	-	-	37,997	-	-	-	-	-
3.1	Right of Way	79,986	89,361	(9,375)	-	79,986	-	-	-	-	-
3.2	Value Engineering	184,100	144,810	39,290	67,700	201,860	-	67,700	-	0.40%	\$ 50,000,000
3.3	TIGER II GRANT	6,475	6,475	-	-	6,475	-	-	-	-	-
4.0	TIGER II GRANT	6,475	6,475	-	-	6,475	-	-	-	-	-
5.0	BIDDING AND CONSTRUCTION SUPPORT										
5.1	Construction Management/Scoping	600,453	459,158	141,035	246,500	1,446,693	48,928	196,272	1,700	1.89%	\$ 50,000,000
5.2	Bidding and Construction Support	31,300	30,896	404	201,000	624,772	44,526	196,272	-	-	-
A	Construction Management	17,279	26,344	(9,065)	-	11,214	-	-	-	-	-
B	Yucca Loma Bridge	11,021	21,077	(10,056)	-	11,021	-	-	-	-	-
C	Yucca Loma Road	211,000	210,767	233	100,300	311,800	-	100,300	-	-	-
D	Yates Road	71,000	71,000	-	41,700	112,700	-	41,700	-	-	-
E	Restoration Area	30,000	30,344	(344)	38,200	108,500	3,000	38,200	-	-	-
5.3	Preconstruction Biology Survey, Agency Coord., & Trailing	26,421	15,818	10,603	-	26,421	-	-	-	-	-
5.4	Biological Construction Monitoring/Compliance/SWPPP	1,099	824	275	-	1,099	-	-	-	-	-
5.5	Biological Construction Monitoring/Compliance/SWPPP	123,194	48,022	75,172	48,500	163,694	4,600	35,700	-	-	-
A	Clearing and Tree Removal	5,889	5,889	-	-	5,889	-	-	-	-	-
B	Yucca Loma Bridge	89,420	89,420	-	-	89,420	-	-	-	-	-
C	Yucca Loma Road	26,500	26,500	-	-	26,500	-	-	-	-	-
D	Yates Road	25,100	25,100	-	-	25,100	-	-	-	-	-
E	Restoration Area	8,400	11,879	(3,479)	4,800	13,279	6,600	4,800	-	-	-
5.6	STATE LAND CONVERSION AND ED REVALIDATION*	15,500	5,878	9,622	14,600	29,878	6,600	14,600	-	-	-
6.1	State Parcel Acquisition Coordinator	220,000	220,384	(384)	5,800	233,850	2,842	2,958	-	-	-
6.2	Convention Mapping & Preliminary Engineering	84,400	122,999	(38,599)	8,900	91,200	2,842	2,958	-	-	-
6.3	Section 8f Compliance	32,100	32,100	-	-	32,100	-	-	-	-	-
6.4	HEPA/CEQA Revalidation	22,700	24,247	(1,547)	-	22,700	-	-	-	-	-
6.5	Technical Studies	41,300	32,879	8,421	-	41,300	-	-	-	-	-
6.6	HEPA/CEQA Revalidation - Victorville	11,000	6,871	4,129	-	11,000	-	-	-	-	-
		2,850,982	2,850,982	-	-	2,850,982	-	-	-	-	-
	Amendment 1 - Green Tree Extension ED:	283,000	283,000	-	-	283,000	-	-	-	-	-
	Amendment 2 - Supplemental Traffic Analysis:	18,700	18,700	-	-	18,700	-	-	-	-	-
	Amendment 3 - Final Design & Project:	3,700	3,700	-	-	3,700	-	-	-	-	-
	Amendment 4 - Clearing and Tree Removal:	87,815	87,815	-	-	87,815	-	-	-	-	-
	Amendment 5 - Final Design & Project:	6,475	6,475	-	-	6,475	-	-	-	-	-
	Amendment 6 - Soundwalls, Yates Road, and Right of Way Services:	647,400	647,400	-	-	647,400	-	-	-	-	-
	Amendment 7 - State Land Conversion and ED Revalidation:	149,850	149,850	-	-	149,850	-	-	-	-	-
	Amendment 8 - Additional Design and Final Construction Coordination:	222,400	222,400	-	-	222,400	-	-	-	-	-
	Amendment 9 - Additional Design, Right of Way, and Construction Support:	6,500,000	6,500,000	-	-	6,500,000	-	-	-	-	-
	Proposed Total Contract Amount Through Amendment 10:	6,904,000	6,904,000	-	-	6,904,000	-	-	-	-	-

\*The cost share for Task 6 is based on the total area to be visited in each jurisdiction as it relates to the State owned parcels, with 49% visiting in the County and 51% visiting in the Town for tasks 6.1 through 6.5.  
 \*\*The City cost for Task 6 is based on direct cost to support their portion of the project only.



# YUCCA LOMA ROAD CONSTRUCTION MANAGEMENT RESPONSIBILITY MATRIX

Construction Management, Inspections, and Oversight Tasks	DE	TOAV	PTG	NOTES
<b>Task 1 - Roadway Improvements</b>				
Grading Activities		X	x	PTG as needed
Paving Activities		X	x	PTG as needed
Traffic Control Oversight		X	x	PTG as needed
Submittal Review	x	x	X	RE to Delegate Review
Field Inspections		X	x	PTG as needed
Material Compliance		x	X	DE thru Submittal Review
Material Testing			X	
<b>Task 2 - Drainage System Construction</b>				
Submittal Review	x	x	X	RE to Delegate Review
Field Inspection and Excavation Inspection		x	X	PTG as needed
Material Compliance		x	X	DE thru Submittal Review
Material Testing			X	
<b>Task 3 - Utilities</b>				
Relocation Work and Coordination	x	X	x	DE as needed
Sewer Removal and Bypass		X	x	PTG as needed
New Sewer System Installation		X	x	PTG as needed
Submittal Review	x	x	X	RE to Delegate Review
Field Inspections		X	x	PTG as needed
Material Compliance		x	X	DE thru Submittal Review
Material Testing			X	
<b>Task 4 - 2 New Signals and 1 Signal Modification</b>				
Submittal Review	x	x	X	RE to Delegate Review
Field Inspections		X	x	PTG as needed
Signal Pole Relocation Work		X	x	PTG as needed
Material Compliance		x	X	DE thru Submittal Review
Material Testing			X	
Traffic Control Oversight		X	x	PTG as needed
<b>Task 5 - Soundwall Construction</b>				
Submittal Review	x	x	X	
Field Inspections		x	X	
Material Compliance			X	DE thru Submittal Review
Material Testing			X	
Property Owner Coordination	x	X	x	PTG as needed
<b>Task 6 - SWPPP/NPDES</b>				
Document Preparation & NOI	X			
Document Update/Maintenance		x	X	PTG to work with Contractor for Reporting
Field Inspections		x	X	
Compliance Checks		x	X	
<b>Task 7 - Contractor Management , Invoicing, and Coordination</b>				
Constructability Review		x	X	
QA/QC Survey (Horiz. and Vert.)		x	X	Town will direct Parsons
Field Quantities		X	X	Quantities verified by inspectors
Contractor Invoicing			X	
As-Built Drawings	x	x	X	
Schedule Oversight		x	X	
Project Record and Federal Compliance		x	X	
Federal Compliance Manual and Training			X	
Change Orders and Claims	x	x	X	
Resident Engineer/Office Engineer		x	X	
1. Bold X indicates lead on task and/or delegation. 2. It is assumed Parsons will subcontract with a Material Testing Firm for all necessary testing. 3. Parsons will subcontract with a local surveyor for line and grade QA/QC as needed and/or directed by the Town. 4. Parsons will be providing a full time Resident Engineer who is responsible for all coordination on-site. 5. Parsons will provide Federal Compliance Training to Town staff.				

Updated: 10/17/2014

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