



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:** 8
Engineering Department

Subject: **YUCCA LOMA BRIDGE CONSTRUCTION MANAGEMENT SERVICES CONTRACT AMENDMENT #1 OF THE YUCCA LOMA BRIDGE/YATES ROAD CONTRACT AGREEMENT, IN THE AMOUNT OF \$1,009,661.26, TO EXPAND THE SERVICES TO INCLUDE YUCCA LOMA ROAD WIDENING AND DRAINAGE IMPROVEMENTS.**

T.M. Approval: _____

Budgeted Item: Yes No N/A

RECOMMENDED ACTION:

Approve the Yucca Loma Bridge Construction Management Services Contract Amendment #1 with Parsons, the project's construction management contractor, in the not-to-exceed amount of \$1,009,661.26, 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 #1 is to provide additional Construction Management Services for the construction of the Yucca Loma Road Widening and Drainage Improvements Project.

Parsons proposes to provide the additional services for a not-to-exceed amount of \$1,009,661.26. This will bring Parsons' total contract to \$4,910,168.26. The proposed amendment of \$1,009,661.26 to include the Yucca Loma Road Widening and Drainage Improvements Project represents 8.51% of the engineer's estimate of \$11,870,000.00 construction cost for the Yucca Loma Road Widening and Drainage Improvements. Parsons is able to provide Construction Management Services for a lower than industry standard percentage rate due to savings resulting from project overlap, and cooperation with Town Engineering Department staff to provide inspection services where appropriate.

A summary of the estimated effort for each task and phase of work is included in the attached Contract Amendment Request Letter from Parsons, dated October 31, 2014.

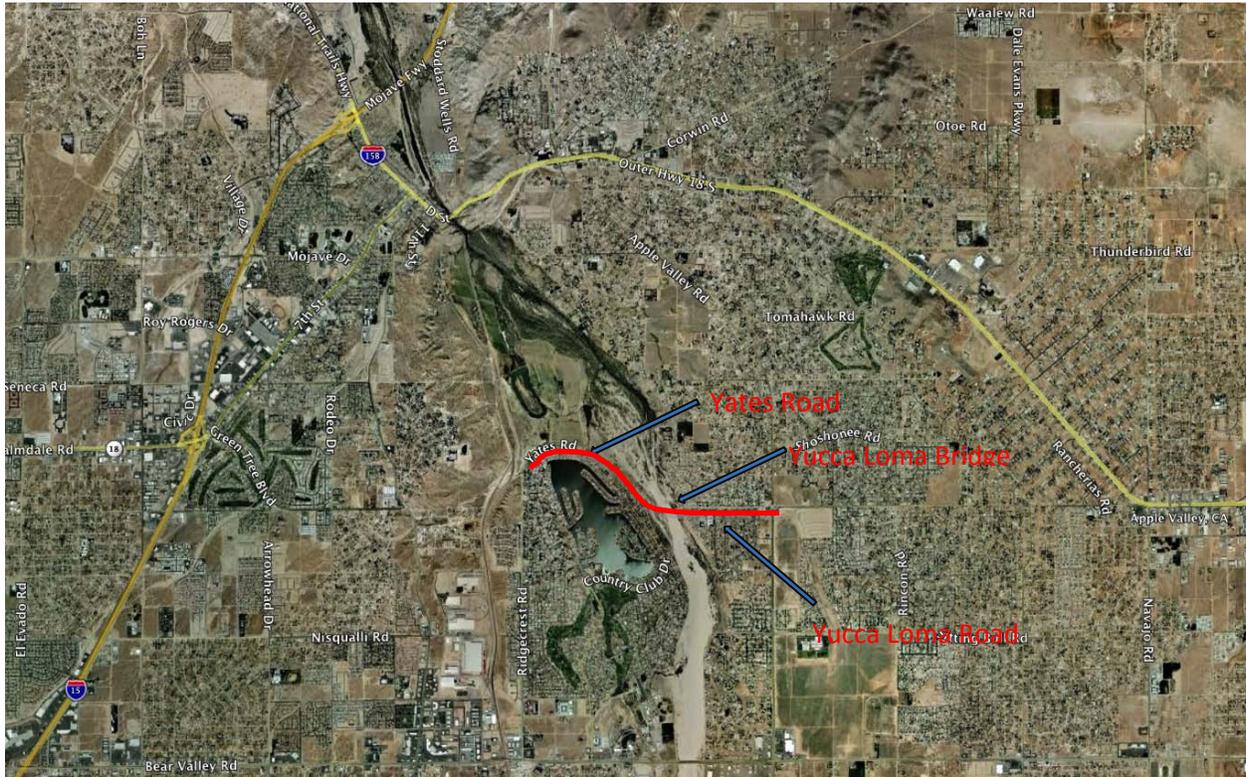
BACKGROUND:

Parsons is currently providing Construction Management Services on the Yucca Loma Bridge and Yates Road Project. Contract Amendment #1 expands existing tasks relating to construction management efforts to include the Yucca Loma Road Widening and Drainage Improvement Project, and coordinates activities with Dokken Engineering and with Town Engineering Department staff to maximize efficiency of scale and savings realized due to overlapping tasks. 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:

<u>Contract Task</u>	<u>Cost</u>
<u>Parsons Construction Management Services</u> 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
<u>Material Testing (Group Delta)</u> Parsons will subcontract with Group Delta to provide the required material testing for this project, as outlined in the original contract.	\$120,000.00
<u>Quality Assurance Surveying (TRLS Eng., Inc)</u> Parsons will subcontract with TRLS Eng., Inc to provide quality assurance surveying for this project, as identified in the original contract.	\$20,000.00
<u>Other Direct Costs (ODC)</u> Parsons ODC to provide these additional Construction Management Services.	\$49,927.50
<u>Total</u>	\$1,009,661.26
 <u>Summary:</u>	
Original Contract Amount	\$3,900,507.00
Amendment #1 Amount	\$1,009,661.26
Total Proposed Contract Amount	\$4,910,168.26

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

BID SCHEDULE AND ENGINEER'S ESTIMATE - 90% SUBMITTAL									
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 TREE	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

J:\1688_Yucca_Loma_BR\100_Management\140_Est_&_Constr_Cost\Yucca Loma Road\90% Submittal\14.0807_90_ESTIMATE.xlsx

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:	EA	15	\$ 800.00	\$ 12,000.00
73	260201		F		CLASS 2 AGGREGATE BASE	CY	6,600	\$ 35.00	\$ 231,000.00
74	290132				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 SHEET 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
TOTAL ENGINEER'S ESTIMATE								\$	10,790,600.70

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 (In Combination with Yucca Loma Bridge & Yates Road Widening Project)												
Construction Manager												
Parsons (Prime)	Pre-Construction			Construction			Post-Construction			Total		
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Total Cost	
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	\$16,586.40			
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	40	\$3,652.80	800	\$73,056.00	160	\$14,611.20	1,000	\$91,320.00			
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	352	\$52,800.00			
	SUBTOTAL	252	\$38,826.64	5012	\$694,453.16	612	\$86,453.96	5876	\$819,733.76			
Group Delta (Material Testing)												
	TOTAL				\$120,000.00						\$120,000.00	
TRLS Eng., Inc (Surveying QA)												
	TOTAL				\$20,000.00						\$20,000.00	
Other Direct Costs (Parsons)												
	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	\$40,037.50	600	\$7,890.00	2850	\$49,927.50			
	SUBTOTAL	0	\$0.00	5740	\$48,077.50	1260	\$13,780.00	7050	\$95,167.50			
TOTAL PROJECT COST												
	TOTAL PROJECT COST		\$38,826.64		\$874,490.66		\$94,343.96		\$1,009,661.26			

% 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
Task 1 - Roadway Improvements					
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
Task 2 - Drainage System Construction					
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
Task 3 - Utilities					
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
Task 4 - 2 New Signals and 1 Signal Modification					
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	-
Task 5 - Soundwall Construction					
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	-
Task 6 - SWPPP/NPDES					
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
Task 7 - Contractor Management, Invoicing, and Coordination					
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	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	X		352
Change Orders and Claims	X	X	X		400
Resident Engineer/Office Engineer		X	X		1280
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.					Total Parsons Personnel Hours: 5876