

**ENGINEERS ESTIMATE OF PROBABLE PROJECT COST
DALEVILLE COMMUNITY AND SOUTH CHERRY AVENUE DROUGHT EMERGENCY CONSOLIDATION WATER SUPPLY PROJECT**

						CAA to City	CAA to SHE	SWRCB/ SRF	DWR
BUDGET ITEMS								Cherry and Central Avenues	Private Property Work
Property Purchase/Lease Agreements (81 City Connection Fees & Lot Charges & Meters x \$1,250)					\$101,250	\$0	\$0	\$62,500	\$38,750
Easement Acquisition / Right of Way / Water Rights (Right-of-Way Escrow Account)					\$0	\$0	\$0	\$0	\$0
Legal Counsel					\$11,000	\$0	\$0	\$3,000	\$8,000
Engineering Services									
-Preliminary (PER/ER) and Project Design/Contract Document Services (USDA: PER P&P \$7,000; BC&F \$21,844. SWRCB: \$2,000.00)					\$50,844	\$0	\$0	\$30,844	\$20,000
-Bidding/Contract Award and Construction Phase Services (USDA: BC&F \$7,676. SWRCB: \$509)					\$18,176	\$0	\$0	\$8,176	\$10,000
-Resident Inspection (USDA: City \$10,000. SWRCB: City \$2,000)					\$22,000	\$0	\$0	\$12,000	\$10,000
-Operation and Maintenance Manual(s)					\$4,000	\$0	\$0	\$0	\$4,000
-Hydrogeologist Services					\$0	\$0	\$0	\$0	\$0
-Other Engineering Services (Environmental)					\$5,000	\$0	\$0	\$5,000	\$0
Total - Engineering Services:					\$100,020	\$0	\$0	\$56,020	\$44,000
Equipment/Materials/Testing (direct purchase using USDA appr'd methods, separate from construction bid/cost)					\$14,000	\$0	\$0	\$4,500	\$9,500
Construction Cost Estimate (see breakdown below)									
Item No.	Item Description	Estimated Quantity	Unit	Unit Price	Amount				
General and Water Main Construction									
1	Mobilization/demobilization, bonds & insurance, worker protection, miscellaneous facilities and operations	1	LS	\$10,000	\$10,000	\$7,000		\$3,000	
2	Mediator	1	LS	\$10,000	\$10,000	\$7,000		\$3,000	
3	Traffic Control	1	LS	\$10,000	\$10,000	\$7,000		\$3,000	
4	Storm Water Plan and Dust Plan	1	LS	\$5,000	\$5,000	\$3,000		\$2,000	
5	Storm Water Plan Implementation	1	LS	\$5,000	\$5,000	\$3,000		\$2,000	
6	Dust Plan Implementation	1	LS	\$5,000	\$5,000	\$3,000		\$2,000	
7	Temporary Trench Resurfacing	1,756	LF	\$8	\$14,000	\$14,000			
8	Permanent Trench Resurfacing	1,756	LF	\$26	\$46,700	\$45,700			
9	8" DR-18 CR-900 Water Main	1,756	LF	\$44	\$77,300	\$77,300			
10	Trench Shoring & Protection	1	LS	\$4,000	\$4,000	\$4,000			
11	Fire Hydrant w/ Bollards	5	EA	\$7,200	\$36,000	\$0			\$36,000
12	Type II Slurry Seal	19	ELT	\$1,100	\$20,900	\$20,900			
13	County of Fresno Encroachment Permit	1	LS	\$10,000	\$10,000	\$10,000			
14	Supplemental Work Allowance	1	LS	\$10,000	\$10,000	\$5,000		\$5,000	
15	Wet Ties	2	EA	\$5,500	\$11,000	\$0		\$11,000	
Daleville Community									
17	1" Water Service & Meter Box - E. Daleville Avenue	31	EA	\$1,500	\$46,500	\$46,500			
18	1" Water Service & Meter Box - E. Central Avenue	13	EA	\$1,500	\$19,500			\$19,500	
South Cherry Avenue									
19	1" Water Service & Meter Box - S. Cherry Ave (on new water main)	31	EA	\$1,500	\$46,500			\$46,500	
20	1" Water Service & Meter Box - S. Cherry Ave (on existing water main)	6	EA	\$2,500	\$15,000			\$15,000	
Private Property Work									
21	Mobilization	1	LS	\$10,000	\$10,000				\$10,000
22	Piping: Service Connection to Residence	81	EA	\$1,500	\$121,500				\$121,500
23	Install and test RPP backflow valves	30	EA	\$500	\$15,000				\$15,000
24	Disconnect old well from house plumbing	81	EA	\$200	\$16,200				\$16,200
25	Repipe Private Well for Outdoor Use [INELIGIBLE]	0	EA	\$350	\$0				\$0
26	Destroy Daleville Avenue wells upon connection to a new system	25	EA	\$3,500	\$87,500		\$87,500		\$0
27	Destroy Cherry & Central Ave wells upon connection to a new system	26	EA	\$3,500	\$91,000		\$91,000		\$0
Contingency (10% of Construction Cost Estimate)						10%			
					\$83,200	\$40,400	\$17,900	\$11,200	\$19,900
Construction						SUBTOTAL:			
					\$825,800	\$293,800	\$196,400	\$123,200	\$218,600
Administration (City Project Management, Plan Checking, and Administration)					\$44,300	\$0	\$9,820	\$24,480	\$10,000
PRELIMINARY COST ESTIMATE (rounded to 100s):					\$1,096,400	\$293,800	\$206,200	\$273,700	\$328,900
						CAA to City	CAA to SHE	SWRCB/ SRF	DWR
						\$500,000			

Notes: Totals for each line item are rounded to the nearest \$100
Updated 2-23-2017