ESTIMATED PROJECT BUDGET

Fairfield Library Central Plant Upgrades Solano County 1150 Kentucky Street

Option #1A

Replace Evaporative Cooled Chiller/Boiler Packaged Unit, VAV replacement, duct work mods

Mechani	cal & Electrical Work	Cost
	MEP Estimate - From Stanton Engineering	
	VAV boxes, ductwork, grilles, access hatches	\$42,800
	Air handler repairs and modifications	\$48,000
	EF-1 Replacement	\$6,000
	EF-4 vfd	\$5,000
	IT split system	\$7,500
	Air balancing	\$20,000
	Controls	\$117,000
	Chiller/boiler - TO BE PURCHASED BY COUNTY	\$0
	Demolition / Install pumps, piping & accessories	\$221,000
	Chemical treatment Electrical	\$15,000 \$35,000
	Condesate drain installation, including trenching	\$31,050
	Mechanical contractor subtotal	\$548,350
	Contractor mark up @ 15%. Does not include mark up on Chiller unit purchased by the County.	\$82,253
	Allowance for installing hydronic lines for heating/cooling of the loading	
	dock area. Also for installing duct work on the second floor for the new office to be built in the existing Telephone Assistance Room.	66 000
	MEP Contractor total	\$6,000 \$636,603
		\$050,005
	Solano County Purchase chiller/boiler unit	\$499,684
	chiller/boiler includes 2 year parts & labor warranty and taxes	
	Allowance: Maxim boom truck to unload and load unit at County "Corp yard".	\$6,000
	Subtotal MEP costs	\$1,142,28
	MEP material escalation factor of 0.0066% per month x 3 months. Bids held for 90	
	days; mid April or mid July. Material escalation through mid October is included. ,	\$22,617
	Subtotal MEP costs including escalation	\$1,164,90
CP Yard/	Enclosure Construction	
	CP Yard Enclosure modifications - Remove & Reinstall upper metal panels for crane access. Metal panels to be salvaged/reused.	\$5,000
	Site landscaping - Planter/lawn repair from trenching	\$15,000
	ry Equipment - Includes set up/take down of a chiller or boiler rental	
unit for 1	month	\$17,500
Contingo	Contigency for chiller or boiler rental for 2 additional months.	\$20,000
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Subtotal	Incy (15%) of mechanical contract & Controls Hard Costs Feasibility Study Bldg Load calcs & design	\$174,736 \$1,397,13 Costs \$52,200 \$38,640
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Subtotal STS Design Project N Permits Special II Direct Cc	Incy (15%) of mechanical contract & Controls Hard Costs Hard Costs Feasibility Study Bldg Load calcs & design Control upgrade design Total for design fees (ASA has already been issued) Control upgrade design Total for design/engineering fees during construction for unforeseen conditions. Contingency is based on 7.5% of subtotal hard costs Anagement CPM labor (Feasibility Study) Allowance: CPM Staff time based on 8% of the project subtotal hard costs or 595 hours for design, bidding, construction and closeout Allowance: Facilities BTM assistance during shut downs, start up's, commissioning Planning - N/A Building - Permit was ready to be picked up 01/02/18. Estimate is based on actual fees that have been paid. Fire Department - N/A Confirmed with fire dept. Inspections Health Agency Pull testing Concrete slump & break test Instage Instage Advertisements Printing Online Plan room posting	\$174,736 \$1,397,13 Costs \$52,200 \$38,640 \$22,320 \$104,785 \$5,512 \$107,000 \$5,000 \$0 \$5,179 \$0 \$5,179 \$0 \$5,179 \$0 \$5,179 \$0 \$2,320 \$1,277
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