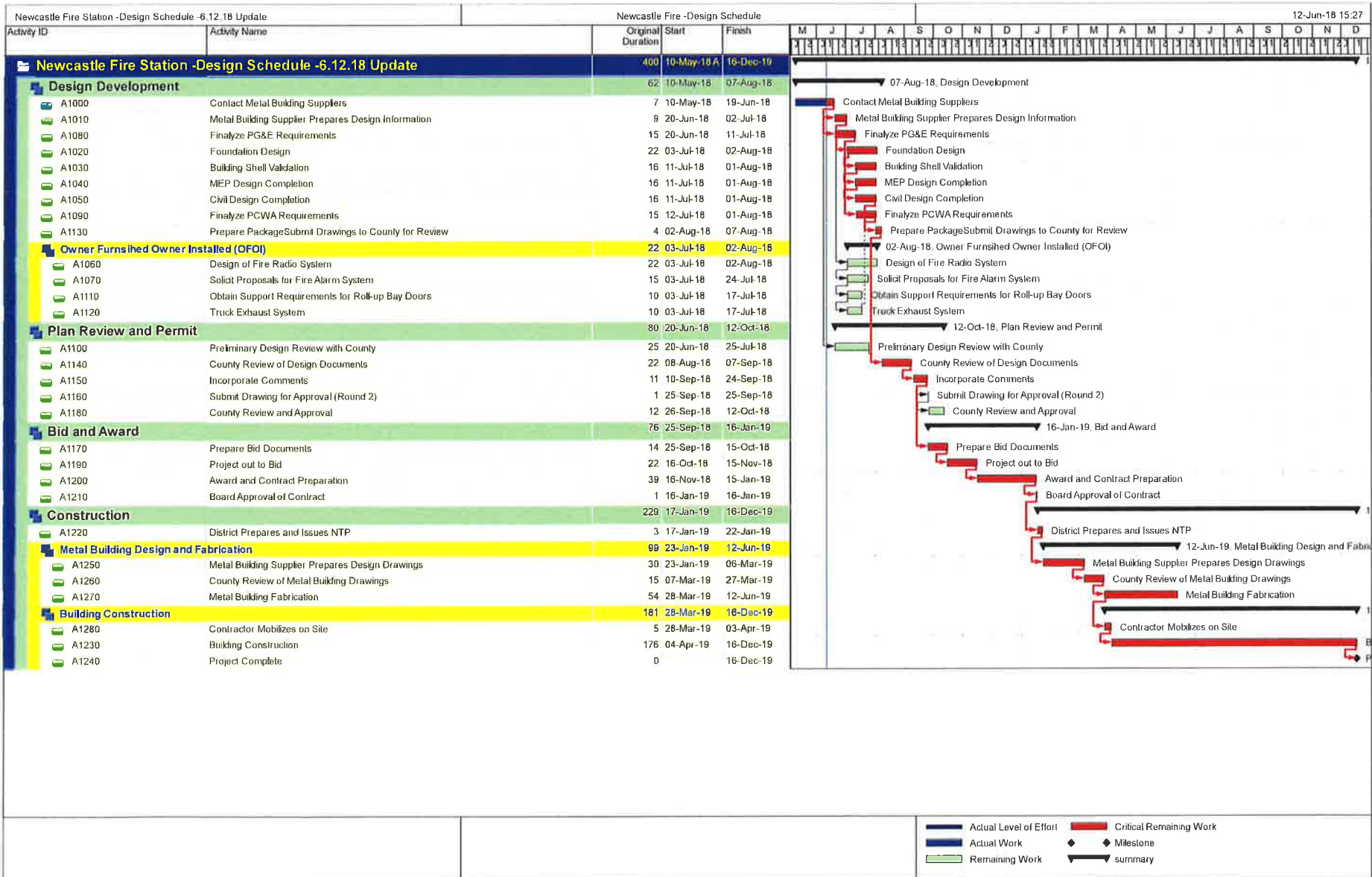


Newcastle Fire Protection District

New Fire Station Estimated Phase One Site Work Expenses - June 5, 2018

Acct #	Account Title	Description	Contract Amount	Paid
4456	Gabe Mendez Inc.	Includes fencing, Sewer Work, Surveying	\$550,000.00	\$451,186.00
		Pot hole- Monroe Transmission		
4456	*Placer County Engineering	Refundable Erosion Control(\$8000)	\$11,846.00	\$11,846.00
4456	Materials Testing/P.M.	Youngdahl Civil Engineers	\$30,000.00	\$39,932.00
4456	Contingency (5%)		\$27,500.00	
4456	Civil Plan Printing	Sierra Office Systems		\$703.00
4456	Legal Notice	Sac Bee & Auburn Journal		\$3,410.00
4456	Bid Prep./Contract Review	Kronick, Muskovitz, Tiedemann		\$6,469.75
4456	Add. Archeological Work	Analytical Environmental Services		\$3,924.00
4456	Civil Changes	George Atteberry - Civil Engineer		\$7,939.00
	Estimated Total		\$619,346.00	\$525,409.75
	Prepared:	L. Bettencourt 6/5/2018		



**NEWCASTLE FIRE DISTRICT
NEW FIRE STATION
METAL BUILDING**

**CONCEPTUAL
COST ESTIMATE
SUMMARY**

DATE: 1-Jun-18

DESCRIPTION	GSF	COST	COST/ GSF
NEW FIRE STATION	6,939	\$1,656,346	\$238.70
SITE WORK	14,873	\$608,503	\$40.91
TOTAL CONSTRUCTION ON BID DAY	6,939	\$2,264,849	\$326.39

UNIVERSITY OF CALIFORNIA - DAVIS
 NEW FIRE STATION
 METAL BUILDING

COMPONENT COST SUMMARY

GROSS SF: 6,939
 DATE: 1-Jun-18
 BY: B.TOPPEL

SYSTEM		COST W/O MARK UP	\$/GSF	COST W/ MARK UP	\$/GSF
1.0	FOUNDATION	\$26,619	\$3.84	\$37,468	\$5.40
2.0	VERTICAL STRUCTURE	\$329,633	\$47.50	\$463,977	\$66.87
3.0	FLOOR & ROOF STRUCTURE	\$90,786	\$13.08	\$127,786	\$18.42
4.0	EXTERIOR CLADDING	\$118,154	\$17.03	\$166,308	\$23.97
5.0	ROOFING	\$21,882	\$3.15	\$30,801	\$4.44
SHELL		\$587,074	\$84.61	\$826,340	\$119.09
6.0	INTERIOR PARTITION	\$131,771	\$18.99	\$185,475	\$26.73
7.0	INTERIOR FINISHES	\$68,971	\$9.94	\$97,080	\$13.99
INTERIORS		\$200,742	\$28.93	\$282,556	\$40.72
8.0	MISC. EQUIPMENT	\$10,217	\$1.47	\$14,381	\$2.07
9.0	VERTICAL TRANSPORTATION				
FUNC. EQUIPMENT / VERT. TRANSPORTATION		\$10,217	\$1.47	\$14,381	\$2.07
10.0	PLUMBING	\$76,993	\$11.10	\$108,371	\$15.62
11.0	HVAC	\$98,435	\$14.19	\$138,553	\$19.97
12.0	ELECTRICAL	\$175,536	\$25.30	\$247,077	\$35.61
13.0	FIRE PROTECTION	\$27,756	\$4.00	\$39,068	\$5.63
MECHANICAL / ELECTRICAL		\$378,720	\$54.58	\$533,069	\$76.82
TOTAL BUILDING		\$1,176,753	\$169.59	\$1,656,346	\$238.70
14.0	SITE CLEARING	\$34,342	\$4.95	\$48,338	\$6.97
15.0	SITE UTILITIES	\$223,935	\$32.27	\$315,201	\$45.42
16.0	SITE DEVELOPMENT	\$174,035	\$25.08	\$244,964	\$35.30
TOTAL SITE WORK		\$432,312	\$62.30	\$608,503	\$87.69
SUBTOTAL CONSTRUCTION		\$1,609,064	\$231.89		
19.0	GENERAL CONDITIONS	23.9%	\$385,000	\$55.48	10 MONTHS
19.0	OVERHEAD & PROFIT	5.0%	\$99,703	\$14.37	
19.0	INSURANCE & BONDS	2.0%	\$41,875	\$6.03	
20.0	CONTINGENCY	5.0%	\$106,782	\$15.39	
SUBTOTAL CONSTRUCTION - TODAY'S DOLLARS			\$2,242,425	\$323.16	
	Escalation From Estimate Date to	Years	Annual Inflation		
20.0	November 1 of Budget Year	0.5	2.0%	\$22,424	\$3.23
TOTAL CONSTRUCTION			\$2,264,849	\$326.39	\$2,264,849
BUDGET			\$ 1,900,000.00		
DELTA			\$364,849.429		

UNIVERSITY OF CALIFORNIA - DAVIS
NEW FIRE STATION
METAL BUILDING

TRADE SYSTEM SUMMARY

GROSS SF: 6,939

DATE: 1-Jun-18

BY: B.TOPPEL

TRADE	SYSTEM	DESCRIPTION	TRADE COST	COST PER BLDGSF	SYSTEM QUANTITY	UNIT	COST PER SYSTEM	SYSTEM/BLDGSF
240.0	1.0	SUBTOTAL- EARTHWORK			6,939	BLDGSF		1.000
DIVISION 2 TOTAL								
331.0	1.0	SUBTOTAL-FOUNDATION CONCRETE	\$26,619	\$3.84	74	CY	\$361.55	0.011
331.0	3.0	SUBTOTAL-SLAB ON GRADE	\$88,704	\$12.78	7,026	FLSF	\$12.63	1.013
331.0	3.0	SUBTOTAL- MISC. CONCRETE	\$2,082	\$0.30	6,939	BLDGSF	\$0.30	1.000
410.0	4.0	SUBTOTAL-MASONRY				WLSF		
DIVISION 3 TOTAL			\$117,405	\$16.92				
512.0	2.0	SUBTOTAL-STRUCTURAL STEEL, VERT.				BLDGSF		
512.0	3.0	SUBTOTAL-STRUCTURAL STEEL, HORZ.				LBS		
530.0	3.0	SUBTOTAL-METAL DECKING				BLDGSF		
550.0	2.0	SUBTOTAL-MISC. METALS	\$329,633	\$47.50	6,939	BLDGSF	\$47.50	1.000
550.0	4.0	SUBTOTAL-METAL SCREENS			6,939	BLDGSF		1.000
DIVISION 5 TOTAL			\$329,633	\$47.50				
610.0	4.0	SUBTOTAL-ROUGH CARPENTRY	\$50,050	\$7.21	3,000	BLDGSF	\$16.68	0.432
620.0	7.0	SUBTOTAL-FINISH CARPENTRY	\$20,635	\$2.97	79	LF	\$261.20	0.011
DIVISION 6 TOTAL			\$70,685	\$10.19				
720.0	4.0	SUBTOTAL-INSULATION, EXT. WALL					#DIV/0!	
720.0	6.0	SUBTOTAL-INSULATION, INT. WALL	\$475	\$0.07	380	SF	\$1.25	0.055
750.0	5.0	SUBTOTAL- ROOFING	\$11,449	\$1.65		RFSF		
760.0	5.0	SUBTOTAL-METAL ROOFING AND FLASHING	\$8,004	\$1.15	17,820	BLDGSF	\$0.45	2.568
790.0	5.0	SUBTOTAL-CAULK & SEALANTS	\$2,429	\$0.35	6,939	SF	\$0.35	1.000
DIVISION 7 TOTAL			\$22,357	\$3.22				
810.0	4.0	SUBTOTAL-DOORS/FRAMES/HDWR - EXT.	\$29,900	\$4.31	9	DRS	\$3,322.22	0.001
810.0	6.0	SUBTOTAL-DOORS/FRAMES/HDWR - INT.	\$47,100	\$6.79	15	DRS	\$3,140.00	0.002
840.0	4.0	SUBTOTAL-ALUMINUM DOORS - EXT.	\$5,600	\$0.81	2	DRS	\$2,800.00	0.000
850.0	4.0	SUBTOTAL-ALUMINUM WINDOWS - EXT.	\$32,604	\$4.70	96	SF	\$339.63	0.014
DIVISION 8 TOTAL			\$115,204	\$16.60				
920.0	4.0	SUBTOTAL-DRYWALL,PLASTER - EXT. WALL				WLSF	#DIV/0!	
920.0	6.0	SUBTOTAL-DRYWALL,PLASTER - INT. WALL	\$53,562	\$7.72	12,871	WLSF	\$4.16	1.855
920.0	6.0	SUBTOTAL-DRYWALL,PLASTER - CEILING	\$9,435	\$1.36	629	WLSF	\$15.00	0.091
930.0	7.0	SUBTOTAL-CERAMIC TILE	\$16,000	\$2.31	1,000	SF	\$16.00	0.144
951.0	7.0	SUBTOTAL-ACOUSTICAL TILE	\$14,511	\$2.09	2,992	SF	\$4.85	0.431
965.0	7.0	SUBTOTAL- FLOORING	\$17,825	\$2.57	7,816	FLSF	\$2.28	1.126
970.0	6.0	SUBTOTAL-PAINT	\$21,199	\$3.06	13,524	BLDGSF	\$1.57	1.949
DIVISION 9 TOTAL			\$132,532	\$19.10				
1010.0	8.0	SUBTOTAL-MISCELLANEOUS SPECIALTIES	\$5,682	\$0.82	6,939	BLDGSF	\$0.82	1.000
1028.0	8.0	SUBTOTAL-TOILET ACCESSORIES	\$4,535	\$0.65	17,820	BLDGSF	\$0.25	2.568
DIVISION 10 TOTAL			\$10,217	\$1.47				
2110.0	13.0	SUBTOTAL-FIRE PROTECTION	\$27,756	\$4.00	6,939	BLDGSF	\$4.00	1.000
2240.0	10.0	SUBTOTAL-PLUMBING	\$76,993	\$11.10	13,895	FIXT	\$5.54	2.002
2330.0	11.0	SUBTOTAL-HVAC SYSTEM	\$98,435	\$14.19	6,939	BLDGSF	\$14.19	1.000
2610.0	12.0	SUBTOTAL-ELECTRICALS SYSTEM	\$175,536	\$25.30	6,939	BLDGSF	\$25.30	1.000
DIVISION 20 TOTAL			\$378,720	\$54.58				
TOTAL SUBCONTRACT COST			\$1,176,753	\$169.59				

UNIVERSITY OF CALIFORNIA - DAVIS
NEW FIRE STATION
METAL BUILDING

CONCEPTUAL COST ESTIMATE

GROSS SF: 6,939
 DATE: 1-Jun-18
 BY: B.TOPPEL

ARCHITECT: A&E DESIGN GROUP

CURRENT							
TRADE	SYSTEM	DESCRIPTION	QUAN.	UNIT	UNIT COST	TOTAL	COST/GSF
		NOT USED					
240.0	1.0	SUBTOTAL- EARTHWORK	6,939	BLDGSF			
		12" WIDE x 18" DEEP CONTINUOUS FOOTING	14	CY	\$345.00	\$4,830	\$0.70
		24" WIDE x 24" DEEP CONTINUOUS FOOTING	19	CY	\$345.00	\$6,555	\$0.94
		18" DEEP CONTINUOUS FOOTING - 26'	10	CY	\$375.00	\$3,609	\$0.52
		6' WIDE x 6' x 24" FOOTING	31	CY	\$375.00	\$11,625	\$1.68
331.0	1.0	SUBTOTAL-FOUNDATION CONCRETE	74	CY		\$26,619	\$3.84
		SLAB ON GRADE - 4"	3,708	SF	\$10.50	\$38,934	\$5.61
		SLAB ON GRADE -7.5"	3,318	SF	\$15.00	\$49,770	\$7.17
331.0	3.0	SUBTOTAL-SLAB ON GRADE	7,026	FLSF		\$88,704	\$12.78
		MISC CONCRETE	6,939	SF	\$0.30	\$2,082	\$0.30
331.0	3.0	SUBTOTAL- MISC. CONCRETE	6,939	BLDGSF		\$2,082	\$0.30
		NOT USED					
410.0	4.0	SUBTOTAL-MASONRY		WLSF			
		NOT USED					
512.0	2.0	SUBTOTAL-STRUCTURAL STEEL, VERT.		BLDGSF			
		NOT USED					
512.0	3.0	SUBTOTAL-STRUCTURAL STEEL, HORZ.		LBS			

UNIVERSITY OF CALIFORNIA - DAVIS
NEW FIRE STATION
METAL BUILDING

CONCEPTUAL COST ESTIMATE

GROSS SF: 6,939
 DATE: 1-Jun-18
 BY: B.TOPPEL

ARCHITECT: A&E DESIGN GROUP

CURRENT							
TRADE	SYSTEM	DESCRIPTION	QUAN.	UNIT	UNIT COST	TOTAL	COST/GSF
		NOT USED					
530.0	3.0	SUBTOTAL-METAL DECKING		BLDGSF			
		SUPPORT STEEL AT BAY DOORS	1	LS	\$3,500.00	\$3,500	\$0.50
		METAL BUILDING COMPLETE	6,939	SF	\$47.00	\$326,133	\$47.00
550.0	2.0	SUBTOTAL-MISC. METALS	6,939	BLDGSF		\$329,633	\$47.50
		NOT USED					
550.0	4.0	SUBTOTAL-METAL SCREENS	6,939	BLDGSF			
		ROUGH FRAMING OFFICE AND BEDROOM AREAS	3,850	WLSF	\$13.00	\$50,050	\$7.21
610.0	4.0	SUBTOTAL-ROUGH CARPENTRY	3,000	BLDGSF		\$50,050	\$7.21
		CASEWORK @ KITCHEN	35	LF	\$310.00	\$10,850	\$1.56
		CASEWORK @ LAUNDRY	15	LF	\$285.00	\$4,275	\$0.62
		BATHROOM VANITIES	20	LF	\$185.00	\$3,700	\$0.53
		RECEPTION COUNTER	8	LF	\$195.00	\$1,560	\$0.22
		SHELVING AT MEN'S RESTROOM	1	LS	\$250.00	\$250	\$0.04
620.0	7.0	SUBTOTAL-FINISH CARPENTRY	79	LF		\$20,635	\$2.97
		R-22 AT EXTERIOR WALLS -INCLUDED IN METAL BUILDING					
720.0	4.0	SUBTOTAL-INSULATION, EXT. WALL					
		R-19 INT. WALL INSULATION	380	SF	\$1.25	\$475	\$0.07
720.0	6.0	SUBTOTAL-INSULATION, INT. WALL	380	SF		\$475	\$0.07
		INCLUDED IN METAL BUILDING ROOF INSULATION	6,939	SF	\$1.65	\$11,449	\$1.65
750.0	5.0	SUBTOTAL- ROOFING		RFSF		\$11,449	\$1.65
		METAL LOUVERS - ALLOWANCE	1	LS	\$2,800.00	\$2,800	\$0.40
		MISC FLASHING	6,939	SF	\$0.75	\$5,204	\$0.75
760.0	5.0	SUBTOTAL-METAL ROOFING AND FLASHING	17,820	BLDGSF		\$8,004	\$1.15

UNIVERSITY OF CALIFORNIA - DAVIS
NEW FIRE STATION
METAL BUILDING

CONCEPTUAL COST ESTIMATE

GROSS SF: 6,939
 DATE: 1-Jun-18
 BY: B.TOPPEL

ARCHITECT: A&E DESIGN GROUP

CURRENT							
TRADE	SYSTEM	DESCRIPTION	QUAN.	UNIT	UNIT COST	TOTAL	COST/GSF
		MISC CAULKING AND SEALANTS	6,939	SF	\$0.35	\$2,429	\$0.35
790.0	5.0	SUBTOTAL-CAULK & SEALANTS	6,939	SF		\$2,429	\$0.35
		SINGLE HM DOOR & FRAMES	7	EA	\$2,100.00	\$14,700	\$2.12
		APPARATUS BAY DOORS	2	EA	\$7,600.00	\$15,200	\$2.19
810.0	4.0	SUBTOTAL-DOORS/FRAMES/HDWR - EXT.	9	DRS		\$29,900	\$4.31
		HM DOOR/ FRAME/ HARDWARE (SINGLE)	15	EA	\$2,100.00	\$31,500	\$4.54
		SC DOOR/ FRAME/ HARDWARE (SINGLE)	8	EA	\$1,950.00	\$15,600	\$2.25
810.0	6.0	SUBTOTAL-DOORS/FRAMES/HDWR - INT.	15	DRS		\$47,100	\$6.79
		ALUMINUM ENTRANCE DOORS - SINGLE	2	EA	\$2,800.00	\$5,600	\$0.81
840.0	4.0	SUBTOTAL-ALUMINUM DOORS - EXT.	2	DRS		\$5,600	\$0.81
		STOREFRONT SYSTEM AT ENTRANCE	96	SF	\$65.00	\$6,240	\$0.90
		OPERABLE & FIXED WINDOWS 5, 6, 7, 8&9	15	EA	\$950.00	\$14,250	\$2.05
		STOREFRONT AT APPARATUS BAY	62	SF	\$72.00	\$4,464	\$0.64
		GABLE END WINDOWS	102	SF	\$75.00	\$7,650	\$1.10
850.0	4.0	SUBTOTAL-ALUMINUM WINDOWS - EXT.	96	SF		\$32,604	\$4.70
		NOT USED					
920.0	4.0	SUBTOTAL-DRYWALL,PLASTER - EXT. WALL		WLSF			
		EXTERIOR METAL STUD WALL/ DRYWALL	5,172	SF	\$9.50	\$49,134	\$7.08
		INTERIOR WALL DRYWALL	760	SF	\$4.00	\$3,040	\$0.44
		MISC DRYWALL	6,939	SF	\$0.20	\$1,388	\$0.20
920.0	6.0	SUBTOTAL-DRYWALL,PLASTER - INT. WALL	12,871	WLSF		\$53,562	\$7.72
		HARD LID CEILINGS	629	SF	\$15.00	\$9,435	\$1.36
920.0	6.0	SUBTOTAL-DRYWALL,PLASTER - CEILING	629	WLSF		\$9,435	\$1.36
		CERAMIC WALL TILE AT BATHROOMS	1,000	SF	\$16.00	\$16,000	\$2.31
930.0	7.0	SUBTOTAL-CERAMIC TILE	1,000	SF		\$16,000	\$2.31

UNIVERSITY OF CALIFORNIA - DAVIS
NEW FIRE STATION
METAL BUILDING

CONCEPTUAL COST ESTIMATE

GROSS SF: 6,939
 DATE: 1-Jun-18
 BY: B.TOPPEL

ARCHITECT: A&E DESIGN GROUP

CURRENT							
TRADE	SYSTEM	DESCRIPTION	QUAN.	UNIT	UNIT COST	TOTAL	COST/GSF
		ACOUSTICAL TILE CEILING	2,992	SF	\$4.85	\$14,511	\$2.09
951.0	7.0	SUBTOTAL-ACOUSTICAL TILE	2,992	SF		\$14,511	\$2.09
		SEAL CONCRETE FLOORS	6,939	SF	\$2.00	\$13,878	\$2.00
		RUBBER BASE	877	LF	\$4.50	\$3,947	\$0.57
965.0	7.0	SUBTOTAL- FLOORING	7,816	FLSF		\$17,825	\$2.57
		PAINTE INT. WALLS	5,932	SF	\$1.85	\$10,974	\$1.58
		PAINTE DRYWALL CEILINGS	629	SF	\$1.50	\$944	\$0.14
		PAINTE DOORS	24	EA	\$300.00	\$7,200	\$1.04
		MISC PAINTING	6,939	SF	\$0.30	\$2,082	\$0.30
970.0	6.0	SUBTOTAL-PAINT	13,524	BLDGSF		\$21,199	\$3.06
		SIGNAGE	6,939	SF	\$0.30	\$2,082	\$0.30
		FIRE EXTINGUISHERS & CABINETS	6	EA	\$350.00	\$2,100	\$0.30
		CORNER GUARDS	10	EA	\$150.00	\$1,500	\$0.22
1010.0	8.0	SUBTOTAL-MISCELLANEOUS SPECIALTIES	6,939	BLDGSF		\$5,682	\$0.82

UNIVERSITY OF CALIFORNIA - DAVIS
NEW FIRE STATION
METAL BUILDING

CONCEPTUAL COST ESTIMATE

GROSS SF: 6,939

DATE: 1-Jun-18

BY: B.TOPPEL

ARCHITECT: A&E DESIGN GROUP

CURRENT							
TRADE	SYSTEM	DESCRIPTION	QUAN.	UNIT	UNIT COST	TOTAL	COST/GSF
		GRAB BARS	6	EA	\$150.00	\$900	\$0.13
		TOILET PAPER DISPENSER	3	EA	\$80.00	\$240	\$0.03
		TOILET SEAT COVER DISPENSER	3	EA	\$90.00	\$270	\$0.04
		SOAP DISPENSER	4	EA	\$55.00	\$220	\$0.03
		SANIITARY NAPKIN DISPOSAL	1	EA	\$400.00	\$400	\$0.06
		PAPER TOWEL DISPENSER	1	EA	\$85.00	\$85	\$0.01
		TOWEL BARS -BATHROOMS	3	EA	\$60.00	\$180	\$0.03
		TOWEL BARS -BEDROOMS	6	EA	\$40.00	\$240	\$0.03
		MIRROR	3	EA	\$220.00	\$660	\$0.10
		MIRRORS ON BACK OF DOOR	5	EA	\$150.00	\$750	\$0.11
		SHOWER SEAT	1	EA	\$500.00	\$500	\$0.07
		ROBE HOOKS	3	EA	\$30.00	\$90	\$0.01
1028.0	8.0	SUBTOTAL-TOILET ACCESSORIES	17,820	BLDGSF		\$4,535	\$0.65
		FIRE SPRINKLER PROTECTION SYSTEM	6,939	SF	\$4.00	\$27,756	\$4.00
2110.0	13.0	SUBTOTAL-FIRE PROTECTION	6,939	BLDGSF		\$27,756	\$4.00
		TOILETS	3	EA	\$2,500.00	\$7,500	\$1.08
		SHOWERS	3	EA	\$3,500.00	\$10,500	\$1.51
		SINKS/ FAUCETS	4	EA	\$2,100.00	\$8,400	\$1.21
		SINK AT KITCHEN	1	EA	\$1,500.00	\$1,500	\$0.22
		CONDENSATE AND DRAINAGE	6,939	SF	\$2.60	\$18,041	\$2.60
		HOSE BIBBS ASSUMES 2	2	EA	\$1,800.00	\$3,600	\$0.52
		FLOOR DRAINS AT APPARATUS BAY	2	EA	\$4,850.00	\$9,700	\$1.40
		HOT WATER HEATERS	1	EA	\$8,700.00	\$8,700	\$1.25
		GAS TO HEATERS	1	EA	\$3,500.00	\$3,500	\$0.50
		MISC VALVES AND FITTINGS	6,939	SF	\$0.80	\$5,551	\$0.80
2240.0	10.0	SUBTOTAL-PLUMBING	13,895	FIXT		\$76,993	\$11.10
		AC UNITS	8	TONS	\$5,500.00	\$44,000	\$6.34
		DUCTWORK - 1# PER SF	456	LF	\$35.00	\$15,960	\$2.30
		FAN COIL UNITS	2	EA	\$4,750.00	\$9,500	\$1.37
		APPARATUS BAY -HEATER	1	EA	\$1,800.00	\$1,800	\$0.26
		KITCHEN EXHAUST HOOD	1	EA	\$2,500.00	\$2,500	\$0.36
		EXHAUST FANS	520	CFM	\$2.50	\$1,300	\$0.19
		FIRE SMOKE DAMPERS	2	EA	\$1,200.00	\$2,400	\$0.35
		DUCTWORK INSULATION	2,800	SF	\$1.00	\$2,800	\$0.40
		TEMPARTURE CONTROLS	1	LS	\$3,600.00	\$3,600	\$0.52
		GRILLES AND DIFFUSERS	25	EA	\$135.00	\$3,375	\$0.49
		MISC ACCESSORIES	1	LS	\$5,200.00	\$5,200	\$0.75
		TEST & BALANCE	40	HRS	\$150.00	\$6,000	\$0.86
2330.0	11.0	SUBTOTAL-HVAC SYSTEM	6,939	BLDGSF		\$98,435	\$14.19

UNIVERSITY OF CALIFORNIA - DAVIS
NEW FIRE STATION
METAL BUILDING

CONCEPTUAL COST ESTIMATE

GROSS SF: 6,939
 DATE: 1-Jun-18
 BY: B.TOPPEL

ARCHITECT: A&E DESIGN GROUP

CURRENT							
TRADE	SYSTEM	DESCRIPTION	QUAN.	UNIT	UNIT COST	TOTAL	COST/GSF
		ELECTRICAL DISTRIBUTION	6,939	SF	\$7.50	\$52,043	\$7.50
		OUTLETS & DEVICES	6,939	SF	\$4.00	\$27,756	\$4.00
		LIGHTING	6,939	SF	\$9.00	\$62,451	\$9.00
		LOW VOLTAGE					
		TELEPHONE AND DATA SYSTEM COMPLETE	12	DROPS	\$750.00	\$9,000	\$1.30
		FIRE ALARM SYSTEM	6,939	SF	\$2.50	\$17,348	\$2.50
		SECURITY	6,939	SF	\$1.00	\$6,939	\$1.00
2610.0	12.0	SUBTOTAL-ELECTRICALSYSTEM	6,939	BLDGSF		\$175,536	\$25.30

UNIVERSITY OF CALIFORNIA - DAVIS
 NEW FIRE STATION
 SITE WORK - ESTIMATE SUMMARY

TRADE SYSTEM SUMMARY

GROSS SF: 14,873

DATE: 1-Jun-18

BY: B.TOPPEL

ARCHITECT: A&E DESIGN GROUP

TRADE	SYSTEM	DESCRIPTION	TRADE COST	COST PER BLDGSF	SYSTEM QUANTITY	UNIT	COST PER SYSTEM	SYSTEM/BLDGSF
205.0	14.0	SUBTOTAL-DEMOLITION / HAZ-MAT ABATEMENT	\$4,350	\$0.29	14,873	SITE SF	\$0.29	1.000
210.0	14.0	SUBTOTAL-ROUGH GRADING	\$23,299	\$1.57	14,873	SITE SF	\$1.57	1.000
220.0	14.0	SUBTOTAL-FINISH GRADING	\$6,693	\$0.45	14,873	SITE SF	\$0.45	1.000
248.0	16.0	SUBTOTAL-LANDSCAPING	\$14,960	\$1.01	14,873	SITE SF	\$1.01	1.000
250.0	16.0	SUBTOTAL- PAVING	\$111,716	\$7.51	14,873	SITE SF	\$7.51	1.000
262.0	15.0	SUBTOTAL-DOM. / FIRE WATER DISTRIBUTION	\$50,900	\$3.42	14,873	SITE SF	\$3.42	1.000
268.0	15.0	SUBTOTAL- GAS DISTRIBUTION	\$10,800	\$0.73	14,873	SITE SF	\$0.73	1.000
272.0	15.0	SUBTOTAL-STORM DRAIN	\$23,050	\$1.55	14,873	SITE SF	\$1.55	1.000
273.0	15.0	SUBTOTAL-SANITARY SEWER	\$93,160	\$6.26	14,873	LF	\$6.26	1.000
277.0	15.0	SUBTOTAL- HYDRONIC PIPING						
299.0	16.0	SUBTOTAL-MISC. SITE IMPROVEMENTS	\$21,925	\$1.47	14,873	BLDGSF	\$1.47	1.000
299.0	16.0	SUBTOTAL-EQUIPMENT			290,100	BLDGSF		19.505
DIVISION 2 TOTAL			\$360,853	\$24.26				
310.0	16.0	SUBTOTAL-SITE CONCRETE	\$25,434	\$1.71	14,873	SF	\$1.71	1.000
DIVISION 3 TOTAL			\$25,434	\$1.71				
1640.0	15.0	SUBTOTAL-SITE ELECTRICAL	\$46,025	\$3.09	14,873	BLDGSF	\$3.09	1.000
DIVISION 16 TOTAL			\$46,025	\$3.09				
TOTAL SUBCONTRACT COST			\$432,312	\$29.07				

UNIVERSITY OF CALIFORNIA - DAVIS
 NEW FIRE STATION
 SITE WORK

CONCEPTUAL COST ESTIMATE

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TRADE	SYSTEM	DESCRIPTION	QUAN.	UNIT	UNIT COST	TOTAL	COST/GSF
		SAW CUT AND REMOVE ASPHALT FOR UTILITY TRENCHES	3,000	SF	\$1.45	\$4,350	\$0.29
205.0	14.0	SUBTOTAL-DEMOLITION / HAZ-MAT ABATEMENT	14,873	SITE SF		\$4,350	\$0.29
		RECONDITION PAD	7,050	SF	\$0.75	\$5,288	\$0.36
		LIME TREAT PAD -ASSUMES 12"	7,050	SF	\$1.50	\$10,575	\$0.71
		LEVEL 1- EROSION CONTROL (ALLOWANCE)	14,873	SF	\$0.50	\$7,437	\$0.50
210.0	14.0	SUBTOTAL-ROUGH GRADING	14,873	SITE SF		\$23,299	\$1.57
		FINAL SITE GRADING	14,873	SF	\$0.45	\$6,693	\$0.45
220.0	14.0	SUBTOTAL-FINISH GRADING	14,873	SITE SF		\$6,693	\$0.45
		LANDSCAPING ALLOWNACE - INCLUDES IRRIGATION	7,480	SF	\$2.00	\$14,960	\$1.01
248.0	16.0	SUBTOTAL-LANDSCAPING	14,873	SITE SF		\$14,960	\$1.01
		PARKING LOT PAVING	7,393	SF	\$12.00	\$88,716	\$5.96
		PATCH PAVING AT OLD STATE HIGHWAY	3,000	SF	\$6.50	\$19,500	\$1.31
		PARKING LOT STRIPING -INCLUDES BUMPERS & SIGNS	1	LS	\$3,500.00	\$3,500	\$0.24
250.0	16.0	SUBTOTAL- PAVING	14,873	SITE SF		\$111,716	\$7.51
		TAP (E) SERVICE	1	EA	\$4,500.00	\$4,500	\$0.30
		12" WATER LINE	40	LF	\$120.00	\$4,800	\$0.32
		8" FIRE WATER	80	LF	\$85.00	\$6,800	\$0.46
		2" BRANCH LINE	80	LF	\$60.00	\$4,800	\$0.32
		FIRE DEPARTMENT CONNECTION	1	EA	\$7,500.00	\$7,500	\$0.50
		BACKFLOW PREVENTORS - DOM & FIRE	2	EA	\$3,500.00	\$7,000	\$0.47
		DOUBLE CHECK DETECTOR ASSEMBLY	1	EA	\$5,500.00	\$5,500	\$0.37
		WATER METER - 2"	1	EA	\$6,500.00	\$6,500	\$0.44
		FIRE HYDRANT	1	EA	\$3,500.00	\$3,500	\$0.24
262.0	15.0	SUBTOTAL-DOM. / FIRE WATER DISTRIBUTION	14,873	SITE SF	\$3.42	\$50,900	\$3.42
		CONNECT TO EXISTING MAIN W/ISOLATION VALVE	1	LS	\$5,000.00	\$5,000	\$0.34
		INSTALL GAS LINE- ASSUMES 1"	44	LF	\$75.00	\$3,300	\$0.22
		MISC VALVES AND FITTINGS	1	LS	\$2,500.00	\$2,500	\$0.17
268.0	15.0	SUBTOTAL- GAS DISTRIBUTION	14,873	SITE SF		\$10,800	\$0.73
		CONTECH UNIT WITH INSTALLATION	1	EA	\$6,500.00	\$6,500	\$0.44
		8" STORM DRAIN PIPING	100	LF	\$85.00	\$8,500	\$0.57
		FLARED INLET	1	EA	\$550.00	\$550	\$0.04
		STORM OUTLET WITH ROCK PROTECTION	1	LS	\$3,500.00	\$3,500	\$0.24
		DRAINAGE SWAYLE	160	LF	\$25.00	\$4,000	\$0.27
272.0	15.0	SUBTOTAL-STORM DRAIN	14,873	SITE SF		\$23,050	\$1.55

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TRADE	SYSTEM	DESCRIPTION	QUAN.	UNIT	UNIT COST	TOTAL	COST/GSF
		TAP (E) MANHOLE	1	LS	\$3,500.00	\$3,500	\$0.24
		SANITARY SEWER PIPING - ASSUMES 8"	390	LF	\$90.00	\$35,100	\$2.36
		SANITARY SEWER PIPING - ASSUMES 6"	330	LF	\$82.00	\$27,060	\$1.82
		SS MANHOLES	2	EA	\$5,500.00	\$11,000	\$0.74
		GREASE INTERCEPTOR	1	LS	\$12,000.00	\$12,000	\$0.81
		CLEAN OUT @ GRADE	3	EA	\$1,500.00	\$4,500	\$0.30
273.0	15.0	SUBTOTAL-SANITARY SEWER	14,873	LF		\$93,160	\$6.26
		NOT USED					
277.0	15.0	SUBTOTAL- HYDRONIC PIPING					
		TRASH ENCLOSURE	165	SF	\$35.00	\$5,775	\$0.39
		METAL GATES AT TRASH ENCLOSURE	1	LS	\$7,500.00	\$7,500	\$0.50
		FLAGPOLE	1	EA	\$2,500.00	\$2,500	\$0.17
		BIKE RACKS	1	EA	\$350.00	\$350	\$0.02
		BOLLARDS	8	EA	\$350.00	\$2,800	\$0.19
		CHAIN LINK FENCING WITH GATES	240	LF	\$12.50	\$3,000	\$0.20
299.0	16.0	SUBTOTAL-MISC. SITE IMPROVEMENTS	14,873	BLDG SF		\$21,925	\$1.47
		NOT USED					
299.0	16.0	SUBTOTAL-EQUIPMENT	290,100	BLDG SF			
		CURB	325	LF	\$25.00	\$8,125	\$0.55
		WALKWAYS	1,822	SF	\$9.50	\$17,309	\$1.16
310.0	16.0	SUBTOTAL-SITE CONCRETE	14,873	SF		\$25,434	\$1.71
		SITE ELECTRICAL					
		TRANSFORMER PAD	1	EA	\$2,500.00	\$2,500	\$0.17
		POT HOLE AND INTERCEPT EXISTING CONDUIT	1	LS	\$1,800.00	\$1,800	\$0.12
		INSTALL CONDUIT	300	LF	\$45.00	\$13,500	\$0.91
		INSTALL SECONDARY CONDUCTORS	85	LF	\$35.00	\$2,975	\$0.20
		POLE LIGHTS	4	EA	\$3,800.00	\$15,200	\$1.02
		UPLIGHT AT FLAG POLE	1	EA	\$350.00	\$350	\$0.02
		TELECOM					
		INSTALL NEW TELECOM CONDUIT	160	LF	\$45.00	\$7,200	\$0.48
		NEW TELECOM PULL BOX	1	EA	2,500.00	2,500	\$0.17
1640.0	15.0	SUBTOTAL-SITE ELECTRICAL	14,873	BLDG SF	\$11,075.00	\$46,025	\$3.09