

BUILDING AREAS		
EXISTING BUILDING	283,000 S.F.	Renovate entire building. New science labs between wings B & C New library addition (alternate)
ADDITIONS	22,500 S.F.	
TOTAL AREA	305,500 S.F.	

Item No.	Description Doc.S811EstOpt1schemeA	Quantity	Unit	Unit Cost	Cost	Accumulated Costs
	ADDITIONS					
101	Library Addition (alternate)	2,500	SF	\$140.00		
102	New Science Classrooms	20,000	SF	\$180.00	\$3,600,000.00	
103	Renovate Existing Labs	5,000	SF	\$180.00	\$900,000.00	
	Total Costs of Additions					\$4,500,000.00
	DIVISION 2 SITE					
	02050 Demolition					
201	Windows & Siding	57,800	SF	\$2.00	\$115,600.00	
202	Entrances	4,000	SF	\$2.50	\$10,000.00	
203	Existing Bldg Major Renovations	50,000	SF	\$6.00	\$300,000.00	
204	Existing Bldg Minor Renovations	233,000	SF	\$2.00	\$466,000.00	
205	Toilet rooms	3,600	SFFA	\$10.00	\$36,000.00	
206	Interior partitions	15,000	SF	\$2.50	\$37,500.00	
207	Misc doors, entrances & sidelights	100	EA	\$80.00	\$8,000.00	
208	Remove cabinet work	1,800	LF	\$10.00	\$18,000.00	
209	Remove CT floors	3,600	SF	\$1.50	\$5,400.00	
210	Dumpsters	125	EA	\$800.00	\$100,000.00	
211	Demolish corridor link	1	LS	75,000.00	75,000.00	
	Total Demolition					\$1,171,500.00
	02082 Asbestos Abatement					
220	Per Universal Engineering	1	LS	\$1,085,000.00	\$1,085,000.00	
	Total Asbestos Abatement					\$1,085,000.00
	02100 Site Preparation					
225	Site preperation	1	LS	\$50,000.00	\$50,000.00	
	Total Site Preparation					\$50,000.00
TOTAL CARRIED FORWARD						\$6,806,500.00

BUILDING AREAS			
EXISTING BUILDING	283,000 S.F.		Renovate entire building. New
ADDITIONS	20,000 S.F.		science labs between wings B & C
TOTAL AREA	<u>303,000 S.F.</u>		New library addition (alternate)

Item No.	Description	Quantity	Unit	Unit Cost	Cost	Accumulated Costs
Totals Brought Forward						\$6,806,500.00
DIVISION 2 SITE (Continued)						
02200 Earthwork						
230	General bldg excavation	Included in Addition Square Foot Costs				
231	Foundation - bldg	Included in Addition Square Foot Costs				
232	Compacted fill - exist bldg	1	Allow	\$15,000.00	\$15,000.00	
233	Utility trench excavate & fill	1	Allow	\$10,000.00	\$10,000.00	
234	Excavation for paving	3,200	CY	\$10.00	\$32,000.00	
235	Compacted fill for paving	2,500	CY	\$20.00	\$50,000.00	
236	Miscellaneous Excav & Backfill	1	Allow	\$10,000.00	\$10,000.00	
Total Earthwork						\$117,000.00
02500 Paving and Surfacing						
240	Bit paving 3.5" thick pavement	7,300	SY	\$12.00	\$87,600.00	
241	Bituminous paving 1.5" topping	8,600	SY	\$6.00	\$51,600.00	
242	Bituminous patching	1	LS	\$5,000.00	\$5,000.00	
243	Conc curb	1,000	LF	\$20.00	\$20,000.00	
244	Seal coat	16,000	SY	\$1.00	\$16,000.00	
245	Traffic lines	6,000	LF	\$0.50	\$3,000.00	
246	Concrete Walks	2,500	SF	\$4.90	\$12,250.00	
Total Paving and Surfacing						\$195,450.00
02700 Site Utilities						
250	Drainage & Service piping	1	LS	\$50,000.00	\$50,000.00	
Total Site Utilities						\$50,000.00
02800 Site Improvements & Landscaping						
260	Lawns including loam etc	40,000	SF	\$1.20	\$48,000.00	
261	Trees and shrubs	1	LS	\$10,000.00	\$10,000.00	
262	Athletic Fields	250,000	SF	\$1.75	\$437,500.00	
263	Irrigation	1	LS	\$150,000.00	\$150,000.00	
264	Fencing repairs	700	LF	15.00	10,500.00	
265	Tennis courts repair	5000	SF	4.00	20,000.00	
Total Site Improvemnt & Landscpe						\$676,000.00
TOTAL CARRIED FORWARD						\$7,844,950.00

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Totals Brought Forward						\$7,844,950.00	
DIVISION 3 CONCRETE							
03300 Concrete							
301	Footing forms	Included in Addition Square Foot Costs					
302	Wall forms	Included in Addition Square Foot Costs					
303	Misc concrete incl reinforcing steel	50	CY	\$225.00	\$11,250.00		
304	Misc formwork (elevators)	1	Allow	\$15,000.00	\$15,000.00		
305	Ground floor slab including wire mesh	Included in Addition Square Foot Costs					
306	First floor slab incl steel	Included in Addition Square Foot Costs					
307	Finish floor slabs incl hardener	Included in Addition Square Foot Costs					
308	Elevator pits, ramps, slabs etc.	1	LS	\$25,000.00	\$25,000.00		
Total Concrete						\$51,250.00	
DIVISION 4 MASONRY							
04001 Masonry							
401	Exterior face brick	Included in Addition Square Foot Costs					
402	Interior face brick	Included in Addition Square Foot Costs					
403	8" CMU backup for exterior walls	Included in Addition Square Foot Costs					
404	8" interior CMU walls	7,500	SF	\$15.80	\$118,500.00		
405	Precast sills	Included in Addition Square Foot Costs					
406	Masonry reinforcing	Included in Addition Square Foot Costs					
407	Cut new opening in existing walls	100	EA	\$200.00	\$20,000.00		
408	Patch interior glazed structural tile wall	1	LS	\$25,000.00	\$25,000.00		
409	Cut & patch interior masonry	1	LS	\$40,000.00	\$40,000.00		
410	Exterior masonry cleaning	Included in Addition Square Foot Costs					
411	Interior block cleaning	Included in Addition Square Foot Costs					
412	Scaffolding	Included in Addition Square Foot Costs					
Total Masonry						\$203,500.00	
DIVISION 5 METALS							
05120 Structural Steel							
501	Structural steel	Included in Addition Square Foot Costs					
502	Misc. and seismic	1	LS	\$100,000.00	\$100,000.00		
Total Structural Steel						\$100,000.00	
TOTAL CARRIED FORWARD						\$8,199,700.00	

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Item No.	Description	Quantity	Unit	Unit Cost	Cost	Accumulated Costs	
Totals Brought Forward						8,199,700.00	
DIVISION 5 METALS (Continued)							
505	05210 Steel Joists Joists	Included in Addition Square Foot Costs					
						0.00	
510	05310 Steel Deck Decking	Included in Addition Square Foot Costs					
Total Steel Deck						0.00	
05500 Miscellaneous Metals							
515	Loose lintels	1	LS	\$5,000.00	\$5,000.00		
516	Railings	800	LF	\$50.00	\$40,000.00		
517	Expansion joint covers floors	500	LF	\$35.00	\$17,500.00		
518	Expansion joint covers walls	400	LF	\$30.00	\$12,000.00		
519	Ladders (Galvanized)	50	VLF	\$200.00	\$10,000.00		
520	Existing stair rail & riser modifications	440	Riser	\$325.00	\$143,000.00		
521	Misc.frames, supports, brackets etc.	1	LS	\$25,000.00	\$25,000.00		
Total Miscellaneous Metals						252,500.00	
DIVISION 6 WOOD & PLASTICS							
06100 Rough Carpentry							
601	Blocking - at roofing	57,000	BF	\$2.00	\$114,000.00		
602	Blocking - for fixtures cabinets etc	1	LS	\$10,000.00	\$10,000.00		
603	Blocking at windows	10,000	BF	\$2.50	\$25,000.00		
604	Misc/for interior finish etc.	1	LS	\$15,000.00	\$15,000.00		
Total Rough Carpentry						164,000.00	
TOTAL CARRIED FORWARD						8,616,200.00	

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Renovate entire building. New
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Totals Brought Forward						8,616,200.00
DIVISION 6 WOOD & PLASTICS (Continued)						
06200 Finish Carpentry						
610	Cabinets					
611	Base cabinets	300	LF	\$225.00	\$67,500.00	
612	Wall cabinets	200	LF	\$150.00	\$30,000.00	
613	Countertops	1,500	LF	\$50.00	\$75,000.00	
614	Window wall units	1,200	LF	\$200.00	\$240,000.00	
615	Misc shelving	200	LF	\$150.00	\$30,000.00	
616	Window stools	2,500	LF	\$5.00	\$12,500.00	
617	Install drs frs & hw (except Addns &	380	EA	\$150.00	\$57,000.00	
618	major renovations)					
Total Finish Carpentry						512,000.00
DIVISION 7 THERMAL AND MOISTURE PROTECTION						
07101 Waterproofing, Dampproofing & Caulking						
700	Caulking	1	LS	\$35,000.00	\$35,000.00	
701	Membrane Flashing	1	LS	\$2,500.00	\$2,500.00	
702	Water repellant on brick	1	LS	\$15,000.00	\$15,000.00	
Total Waterproofing, Dampproofing & Caulking						52,500.00
07200 Insulation						
710	Perimeter insulation	700	SF	\$2.00	\$1,400.00	
Total Insulation						1,400.00
TOTAL CARRIED FORWARD						9,182,100.00

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Totals Brought Forward						9,182,100.00
DIVISION 7 THERMAL AND MOISTURE PROTECTION Continued)						
715	07500 Roofing and Flashing Reroof existing building including removal of existing and installing new EPDM, insulation & flashing	160,000	SF	\$5.00	\$800,000.00	
Total Roofing and Flashing						800,000.00
DIVISION 8 DOORS AND WINDOWS						
08100 Metal Doors and Frames						
801	Exterior single doors	10	EA	\$300.00	\$3,000.00	
802	Exterior pairs of doors	30	Leaf	\$300.00	\$9,000.00	
803	Exterior fr. Sgl dr w/ sidelights	5	EA	\$500.00	\$2,500.00	
804	Exterior fr. Sgl dr w/o sidelights	5	EA	\$190.00	\$950.00	
805	Exterior fr. Pr drs w/ sidelights	10	EA	\$600.00	\$6,000.00	
806	Exterior fr. Prs drs w/o sidelight	5	EA	\$280.00	\$1,400.00	
807	Int HM fire doors	60	Leaf	\$270.00	\$16,200.00	
808	Borrowed light frames	1,000	SF	\$35.00	\$35,000.00	
809	Interior fr. Sgl dr	100	EA	\$165.00	\$16,500.00	
810	Interior fr. Pr drs w/ sidelight	20	EA	\$450.00	\$9,000.00	
Total Metal Doors and Frames						99,550.00
TOTAL CARRIED FORWARD						10,081,650.00

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Item No.	Description	Quantity	Unit	Unit Cost	Cost	Accumulated Costs
Totals Brought Forward						10,081,650.00
DIVISION 8 DOORS AND WINDOWS(Continued)						
08210 Wood Doors						
815	3x7 solid wd doors	70	EA	\$220.00	\$15,400.00	
816	3x7 glazed wood doors	125	EA	\$300.00	\$37,500.00	
Total Wood Doors						52,900.00
08500 Metal Windows						
820	Factory glazed aluminum windows & insulated window walls	57,800	SF	\$40.00	\$2,312,000.00	
Total Metal Windows						2,312,000.00
08700 Finish Hardware						
825	Ext Drs per leaf w/ exit devices	50	EA	\$1,200.00	\$60,000.00	
826	Int Drs per leaf w/ exit device	60	EA	\$1,100.00	\$66,000.00	
827	Int Drs per leaf w/o exit device	300	EA	\$400.00	\$120,000.00	
Total Finish Hardware						246,000.00
08800 Glass and Glazing						
830	Doors	125	EA	\$100.00	\$12,500.00	
831	Sidelights and transoms	1,000	SF	\$20.00	\$20,000.00	
832	Mirrors	25	EA	\$200.00	\$5,000.00	
Total Glass and Glazing						37,500.00
DIVISION 9 FINISHES						
09250 Gypsum Board Systems						
901	Stl stud insul 1L GWB Ptns	15,000	SF	\$4.50	\$67,500.00	
902	Stl stud insul 2L GWB Ptns	7,000	SF	\$5.10	\$35,700.00	
903	Add for MR board in toilets I84	10,000	SF	\$0.40	\$4,000.00	
Total Gypsum Board Systems						107,200.00
TOTAL CARRIED FORWARD						12,837,250.00

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Totals Brought Forward						12,837,250.00
DIVISION 9 FINISHES (Continued)						
09300 Tile						
910	CT floor tile	5,000	SF	\$9.00	\$45,000.00	
911	CT wall tile	7,000	SF	\$6.60	\$46,200.00	
912	CT base	1,400	LF	\$5.00	\$7,000.00	
Total Tile						98,200.00
09501 Acoustic Work						
915	Std acoustic tile clg	135,000	SF	\$2.00	\$270,000.00	
916	Ceramagard acoustic tile clg	8,000	SF	\$2.50	\$20,000.00	
917	Tectum acoustic tile clg	10,000	SF	\$3.00	\$30,000.00	
Total Acoustic Work						320,000.00
09650 Resilient Flooring						
920	Vinyl composition tile including base	75,000	SF	\$2.50	\$187,500.00	
921	Vinyl tile including base	5,000	SF	\$5.00	\$25,000.00	
922	Rubber stair treads	440	EA	\$50.00	\$22,000.00	
Total Resilient Flooring						234,500.00
09680 Carpet						
925	Carpet	1,000	SY	\$30.00	\$30,000.00	
Total Carpet						30,000.00
09901 Paintiing						
940						
941	Interior painting, Existing Bldg	1	LS	\$400,000.00	\$400,000.00	
942	Exterior painting	1	LS	\$20,000.00	\$20,000.00	
Total Painting						420,000.00
TOTAL CARRIED FORWARD						13,939,950.00

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Totals Brought Forward						13,939,950.00
DIVISION 10 SPECIALITIES						
10100 Visual Display Boards						
1000	Chalk and marker boards inc. trim	6,000	SF	\$15.00	\$90,000.00	
1001	Tackboards inc. trim	3,000	SF	\$10.00	\$30,000.00	
Total visual display boards						120,000.00
10155 Compartments & Cubicles						
1002	Standard compartments	40	EA	\$1,000.00	\$40,000.00	
1003	Handicapped compartments	15	EA	\$1,300.00	\$19,500.00	
1004	Screens	10	EA	\$500.00	\$5,000.00	
Total compartments and cubicles						64,500.00
10800 Toilet Accessories						
1015	Accessories	100	Fixture	\$100.00	\$10,000.00	
Total Toilet Accessories						10,000.00
DIVISION 11 EQUIPMENT						
11400 Food Service Equipment						
1020	Food service equipment - repair/replace	1	LS	\$100,000.00	\$100,000.00	
Total Food Service Equipment						100,000.00
DIVISION 14 CONVEYING SYSTEMS						
14201 Elevators						
1400	Elevators	2	EA	\$75,000.00	\$150,000.00	
Total Elevators						150,000.00
14400 Lifts						
1410	Whee Chair Lift	2	EA	\$20,000.00	\$40,000.00	
Total Lifts						40,000.00
TOTAL CARRIED FORWARD						14,424,450.00

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Totals Brought Forward						14,424,450.00
DIVISION 15 MECHANICAL						
1500	15300 Fire Protection Fire protection (Existing Bldg)	283,000	SF	\$3.50	\$990,500.00	990,500.00
1505	15400 Plumbing Plumbing	283,000		\$4.50	\$1,273,500.00	1,273,500.00
1510	15500 HVAC HVAC	283,000		\$23.00	\$6,509,000.00	6,509,000.00
DIVISION 16 ELECTRICAL						
1600	16100 Electrical Electrical	283,000		\$11.50	\$3,254,500.00	3,254,500.00
SUB-TOTAL						26,451,950.00
GENERAL CONDITIONS			10%	SUB-TOTAL		2,645,195.00
BONDS AND INSURANCE			2%	SUB-TOTAL		29,097,145.00
OH & PROFIT			8%	SUB-TOTAL		581,942.90
SUB-TOTAL						2,327,771.60
SUB-TOTAL						32,006,859.50
TOTAL ESTIMATED CONSTRUCTION COST						32,006,859.50
KEY TO ABBREVIATIONS						
	Allowance		AL			
	Board Feet		BF			
	Cubic Feet		CF			
	Cubic Yards		CY			
	Each		EA			
	Lump Sum		LS			
	Square Foot		SF			
	Square Foot Contact Area		SFCA			
	Square Foot Floor Area		SFFA			
	Square Yards		SY			
	Vertical Lineal Foot		VLF			

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	SUMMARY OF COSTS					
	ESTIMATED CONSTRUCTION COST					32,006,859.50
	Temp. portable CRs (2 years)	12	EA	\$80,000.00		960,000.00
	Phasing	1.00%				320,068.60
	Fees					
	Architectural/Engineering	7.75%				2,480,531.61
	Asbestos Abatement per Universal Eng Design/Monitor/Test	1	LS	\$165,000.00		165,000.00
	Project Manager	1	LS	\$640,137.00		640,137.00
	Furniture & Equipment					
	Classroom and Office	1	LS	\$900,000.00		900,000.00
	Science Room Casework	11	Room	\$80,000.00		880,000.00
	Administrative Costs					
	Insurance/Testing/Bidding	0.25%				80,017.15
				SUB-TOTAL		38,432,613.86
	Contingency	10.00%				3,843,261.39
	ESTIMATE BASED ON 2001 PRICES	TOTAL PROJECT COST Without LIBRARY				42,275,875.24
		TOTAL PROJECT COST With LIBRARY				42,691,750.24
	ESTIMATE BASED ON 2002 PRICES	TOTAL PROJECT COST Without LIBRARY				44,389,669.00
		TOTAL PROJECT COST With LIBRARY				44,826,337.75
	ESTIMATE BASED ON 2003 PRICES	TOTAL PROJECT COST Without LIBRARY				46,609,152.45
		TOTAL PROJECT COST With LIBRARY				47,067,654.64