

SOUTHGATE COMMUNITY SCHOOLS

SUMMARY OF PRIORITY 1 - CRITICAL NEEDS

Bldg #	Name of School Facility	Site Work	Renovation	Roofing	Flooring	Contingency	Tech Infra	Inst Tech Equip	Non-inst Tech Equip	Furn & Equip	Const Services	Design Consultant	Total Costs
	ELEMENTARY:												
1	Allen Elementary	312,884	500,240	227,760	23,400	107,832	55,275	96,356	3,650	83,200	114,761	110,729	1,636,088
2	Fordline Elementary	104,000	678,662	124,800	23,400	94,490	55,045	96,356	3,650	10,400	100,561	92,028	1,383,394
3	Grogan Elementary	216,944	772,664	104,832	23,400	113,188	55,962	96,356	3,650	10,400	120,460	110,074	1,627,932
4	Shelters Elementary	207,272	568,428	153,286	23,400	96,643	55,275	96,356	3,650	10,400	102,852	94,106	1,411,666
	MIDDLE SCHOOLS:												
5	Davidson Middle School	280,150	1,030,708	493,777	46,800	185,976	75,579	208,104	6,084	124,800	197,924	189,476	2,839,379
	HIGH SCHOOLS:												
6	Anderson High School	2,184,000	1,324,583	355,160	117,000	403,992	183,824	378,768	42,588	244,400	429,948	409,461	6,073,724
	SUPPORT:												
7	Asher Alt/Adult Ed	366,600	838,753	327,559	23,400	162,256	141,030	79,695	3,650	10,400	172,681	157,432	2,283,457
8	Beacon Day - Gerisch	291,720	800,568	458,977	46,800	161,211	92,609	136,448	18,252	10,400	171,568	156,423	2,344,975
9	Northpointe	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL BUILDINGS BUDGET	3,963,570	6,514,607	2,246,151	327,600	1,325,587	714,600	1,188,439	85,176	504,400	1,410,756	1,319,729	19,600,616

Note: This does not include Bond Issuance costs

							Cost Data	
							Specification Factor =	1.00 (Medium)
							Geographic Factor =	1.00 (US Median)
							Cost Escalation Factor =	1.04 Summer 2016
Line No.	Program Area	Area Required (in Sq. Ft.)	No. of Rms. / Units	Total Area (in Sq. Ft.)	Base Unit Cost (\$)	Effective Program Area Cost (\$)	As % of Total Cost	
1	1.0 SITE							
2								
3	Paving							
4	Replace Asphalt Parking Lot	51,300	1	51,300	\$3.50	\$186,732	11.41%	
5	Modify parking lot - extend drop off lane	10,000	1	10,000	\$5.00	\$52,000	3.18%	
6	Replace Exterior Concrete (sidewalks)	5,000	1	5,000	\$6.00	\$31,200	1.91%	
7	Replace Exterior Concrete (slabs/stoops)	1,000	1	1,000	\$8.00	\$8,320	0.51%	
8								
9	Replace fencing	1	200	200	\$10.00	\$2,080	0.13%	
10	Improve field drainage	11,300	1	11,300	\$1.00	\$11,752	0.72%	
11	Improve site drainage - adjacent to building	1	1	1	\$15,000.00	\$15,600	0.95%	
12	Improve Storm System - catch basins	1	1	1	\$5,000.00	\$5,200	0.32%	
13								
14								
	SITE SUBTOTAL					\$312,884	19.12%	
15								
16	2.0 BUILDING ENVELOPE							
17								
18	Roofing Work							
19	Replace Roof (Area 1, built-up, installed 2001)	18,250	1	18,250	\$12.00	\$227,760	13.92%	
20								
21	Replace exterior plaster soffits	500	1	500	\$25.00	\$13,000	0.79%	
22								
23	Replace exterior service metal doors/frames/hardware	1	2	2	\$2,500.00	\$5,200	0.32%	
24	Replace exterior entry alum doors/frames/hardware	1	6	6	\$3,500.00	\$21,840	1.33%	
25								
26								
	BUILDING ENVELOPE SUBTOTAL					\$267,800	16.37%	
27								
28	3.0 INTERIOR/FINISHES							
29								
30	Abatement - asbestos flooring, insulation	43,000	1	43,000	\$0.25	\$11,180	0.68%	
31								
32	Upgrade door hardware - ADA issue	1	100	100	\$400.00	\$41,600	2.54%	
33								
34	Finishes							
35	Replace corridor ceilings (due to new MEP/IT work)	1,000	1	1,000	\$4.00	\$4,160	0.25%	
36	Replace classroom/corridor flooring (VCT/CPT)	5,000	1	5,000	\$4.50	\$23,400	1.43%	
37	Replace Operable Partition - gym/café	1	75	75	\$500.00	\$39,000	2.38%	
38								
39								
	INTERIOR/FINISHES SUBTOTAL					\$119,340	7.29%	
40								
41	4.0 PLUMBING SYSTEMS							
42	Add isolation valves on domestic water lines	1	4	4	\$2,000.00	\$8,320	0.51%	
43								
44								
	PLUMBING SYSTEMS SUBTOTAL					\$8,320	0.51%	

							Cost Data	
							Specification Factor =	1.00 (Medium)
							Geographic Factor =	1.00 (US Median)
							Cost Escalation Factor =	1.04 Summer 2016
Line No.	Program Area	Area Required (in Sq. Ft.)	No. of Rms. / Units Required	Total Area (in Sq. Ft.)	Base Unit Cost (\$)	Effective Program Area Cost (\$)	As % of Total Cost	
45								
46	5.0 HVAC SYSTEMS							
47	Replace Boiler (age: 1998)	1	1	1	\$55,000.00	\$57,200	3.50%	
48	Replace valves to Vertical Unit Ventilator	1	21	21	\$4,500.00	\$98,280	6.01%	
49								
50	Update Temperature Controls	43,000	1	43,000	\$0.25	\$11,180	0.68%	
51								
52	HVAC SYSTEMS SUBTOTAL						\$166,660	10.19%
53								
54	6.0 ELECTRICAL SYSTEMS							
55	Replace exterior building lights	1	20	20	\$500.00	\$10,400	0.64%	
56	Add parking lot lights/poles/bases	1	10	10	\$15,000.00	\$156,000	9.53%	
57	Add fire alarm hold open to corridor doors	1	4	4	\$1,500.00	\$6,240	0.38%	
58								
59	ELECTRICAL SYSTEMS SUBTOTAL						\$172,640	10.55%
60								
61	7.0 SAFETY & SECURITY							
62	Add Secure Vestibule to Main Entrance	1	1	1	\$16,000.00	\$16,640	1.02%	
63	Access Control System (Prox Card Readers)	1	1	1	\$2,500.00	\$2,600	0.16%	
64	Expand Surveillance System	1	10	10	\$1,100.00	\$11,440	0.70%	
65								
66	SECURITY SYSTEMS SUBTOTAL						\$30,680	1.88%
67								
68	8.0 OTHER							
69	n/a							
70								
71	OTHER SUBTOTAL						\$0	0.00%
72								
73	9.0 FURNITURE & EQUIPMENT							
74	Classroom furniture (desks, chairs, tables)	1	1	1	\$10,000.00	\$10,400	0.64%	
75	Food Service Equipment (walk-in, oven, warmer)	1	1	1	\$70,000.00	\$72,800	4.45%	
76								
77	FURNITURE & EQUIPMENT SUBTOTAL						\$83,200	5.09%
78								
79	10.0 TECHNOLOGY							
80	Technology Infrastructure	1	30	30	\$200.00	\$6,240	0.38%	
81	Replace PA System	1	1	1	\$20,000.00	\$20,800	1.27%	
82	Instructional Equipment - Interactive Classroom	1	25	25	\$600.00	\$15,600	0.95%	
83	Instructional Equipment - Computers (teacher)	1	25	25	\$1,170.00	\$30,420	1.86%	
84	Instructional Equipment - Computers (lab)	1	32	32	\$350.00	\$11,648	0.71%	
85	Instructional Equipment - Computers (media center)	1	12	12	\$350.00	\$4,368	0.27%	
86	Instructional Equipment - Computers (carts)	1	3	3	\$11,000.00	\$34,320	2.10%	
87	Non-Instructional Technology Equipment	1	3	3	\$1,170.00	\$3,650	0.22%	
88	Design / Installation Services and IT Contingency	1	1	1	\$13,649.00	\$14,195	0.87%	
89								
90	TECHNOLOGY SUBTOTAL						\$141,241	8.63%
91								
92	Building Infrastructure Improvement Total:			43,000	\$30.30	\$1,302,765	79.63%	
93	Project Contingency:			10.00%	Of Building & Site Budget	\$107,832	6.59%	
94	G.C. (permits, testing & printing):			2.50%	Of Building & Site Budget	\$29,654	1.81%	
95	Construction Manager Fee and Costs:			7.00%	Of Building & Site Budget & Contingen	\$85,107	5.20%	
96	Design/Consultant Fees & Costs:			8.00%	Of Building & Site Budget & Contingen	\$110,729	6.77%	
97	PROJECT TOTAL						\$1,636,088	100.00%

							Cost Data	
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Line No.	Program Area	Area Required (in Sq. Ft.)	No. of Rms. / Units	Total Area (in Sq. Ft.)	Base Unit Cost (\$)	Effective Program Area Cost (\$)	As % of Total Cost	
1	1.0 SITE							
2								
3	Paving							
4	Modify parking lot - improve traffic flow	5,000	1	5,000	\$5.00	\$26,000	1.88%	
5	Replace Exterior Concrete (sidewalks)	5,000	1	5,000	\$6.00	\$31,200	2.26%	
6	Replace Exterior Concrete (slabs/stoops)	1,000	1	1,000	\$8.00	\$8,320	0.00%	
7								
8	Replace fencing	1	1,000	1,000	\$10.00	\$10,400	0.75%	
9	Improve field drainage	7,000	1	7,000	\$1.00	\$7,280	0.53%	
10	Improve site drainage - courtyards	1	1	1	\$15,000.00	\$15,600	1.13%	
11	Improve Storm System - catch basins	1	1	1	\$5,000.00	\$5,200	0.38%	
12								
13								
13	SITE SUBTOTAL					\$104,000	7.52%	
14								
15	2.0 BUILDING ENVELOPE							
16								
17	Roofing Work							
18	Replace Roof (center area, built-up, installed 2001)	10,000	1	10,000	\$12.00	\$124,800	9.02%	
19								
20	Exterior Walls (masonry at canopy connections)	400	1	400	\$50.00	\$20,800	1.50%	
21								
22	Replace Windows - main office	250	1	250	\$55.00	\$14,300	1.03%	
23								
24	Replace exterior service metal doors/frames/hardware	1	2	2	\$2,500.00	\$5,200	0.38%	
25	Replace exterior egress alum doors/frames/hardware	1	10	10	\$3,500.00	\$36,400	2.63%	
26								
27	BUILDING ENVELOPE SUBTOTAL					\$201,500	14.57%	
28								
29	3.0 INTERIOR/FINISHES							
30								
31	Abatement - asbestos flooring, insulation	47,640	1	47,640	\$0.25	\$12,386	13.11%	
32								
33	Replace corridor/classroom doors - not rated	1	12	12	\$1,750.00	\$21,840	1.58%	
34	Upgrade door hardware - ADA issue	1	72	72	\$400.00	\$29,952	2.17%	
35								
36	Finishes							
37	Replace corridor ceilings (due to new MEP/IT work)	1,000	1	1,000	\$4.00	\$4,160	0.30%	
38	Replace classroom/corridor flooring (VCT/CPT)	5,000	1	5,000	\$4.50	\$23,400	1.69%	
39								
40	Add gym wall pads	1	40	40	\$100.00	\$4,160	0.30%	
41								
42	INTERIOR/FINISHES SUBTOTAL					\$95,898	6.93%	
43								
44	4.0 PLUMBING SYSTEMS							
45	Add isolation valves on domestic water lines	1	4	4	\$2,000.00	\$8,320	0.60%	
46								
47	PLUMBING SYSTEMS SUBTOTAL					\$8,320	0.60%	

Cost Data							
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				Cost Escalation Factor =	1.04	Summer 2016	
Line No.	Program Area	Area Required (in Sq. Ft.)	No. of Rms. / Units Required	Total Area (in Sq. Ft.)	Base Unit Cost (\$)	Effective Program Area Cost (\$)	As % of Total Cost
48							
49	5.0 HVAC SYSTEMS						
50	Replace Boiler (age: 2000)	1	1	1	\$55,000.00	\$57,200	4.13%
51	Replace valves to Vertical Unit Ventilator	1	20	20	\$4,500.00	\$93,600	6.77%
52							
53	Update Temperature Controls	47,640	1	47,640	\$2.50	\$123,864	8.95%
54							
55	HVAC SYSTEMS SUBTOTAL					\$274,664	19.85%
56							
57	6.0 ELECTRICAL SYSTEMS						
58	Replace existing electrical panels - old pushmatic	1	1	1	\$50,000.00	\$52,000	3.76%
59	Replace exterior building lights	1	20	20	\$500.00	\$10,400	0.75%
60	Add parking lot lights/poles/bases	1	10	10	\$15,000.00	\$156,000	11.28%
61	Add T-5 lights to gym	4,000	1	4,000	\$1.50	\$6,240	0.45%
62							
63	ELECTRICAL SYSTEMS SUBTOTAL					\$224,640	16.24%
64							
65	7.0 SAFETY & SECURITY						
66	Add Secure Vestibule to Main Entrance	1	1	1	\$21,000.00	\$21,840	1.58%
67	Access Control System (Prox Card Readers)	1	1	1	\$2,500.00	\$2,600	0.19%
68	Expand Surveillance System	1	10	10	\$1,100.00	\$11,440	0.83%
69							
70	SECURITY SYSTEMS SUBTOTAL					\$35,880	2.59%
71							
72	8.0 OTHER						
73	n/a						
74							
75	OTHER SUBTOTAL					\$0	0.00%
76							
77	9.0 FURNITURE & EQUIPMENT						
78	Classroom furniture (desks, chairs, tables)	1	1	1	\$10,000.00	\$10,400	0.75%
79							
80	FURNITURE & EQUIPMENT SUBTOTAL					\$10,400	0.75%
81							
82	10.0 TECHNOLOGY						
83	Technology Infrastructure	1	29	29	\$200.00	\$6,032	0.44%
84	Replace PA System	1	1	1	\$20,000.00	\$20,800	1.50%
85	Instructional Equipment - Interactive Classroom	1	25	25	\$600.00	\$15,600	1.13%
86	Instructional Equipment - Computers (teacher)	1	25	25	\$1,170.00	\$30,420	2.20%
87	Instructional Equipment - Computers (lab)	1	32	32	\$350.00	\$11,648	0.84%
88	Instructional Equipment - Computers (media center)	1	12	12	\$350.00	\$4,368	0.32%
89	Instructional Equipment - Computers (carts)	1	3	3	\$11,000.00	\$34,320	2.48%
90	Non-Instructional Technology Equipment	1	3	3	\$1,170.00	\$3,650	0.26%
91	Design / Installation Services and IT Contingency	1	1	1	\$13,628.00	\$14,173	1.02%
92							
93	TECHNOLOGY SUBTOTAL					\$141,012	10.19%
94							
95	Building Infrastructure Improvement Total:			47,640	\$23.01	\$1,096,314	79.25%
96	Project Contingency:	10.00%	Of Building & Site Budget			\$94,490	6.83%
97	G.C. (permits, testing & printing):	2.50%	Of Building & Site Budget			\$25,985	1.88%
98	Construction Manager Fee and Costs:	7.00%	Of Building & Site Budget & Contingen			\$74,576	5.39%
99	Design/Consultant Fees & Costs:	8.00%	Of Building & Site Budget & Contingen			\$92,028	6.65%
100	PROJECT TOTAL					\$1,383,394	100.00%

							Cost Data	
							Specification Factor =	1.00 (Medium)
							Geographic Factor =	1.00 (US Median)
							Cost Escalation Factor =	1.04 Summer 2016
Line No.	Program Area	Area Required (in Sq. Ft.)	No. of Rms. / Units	Total Area (in Sq. Ft.)	Base Unit Cost (\$)	Effective Program Area Cost (\$)	As % of Total Cost	
1	1.0 SITE							
2								
3	Paving							
4	Replace Asphalt Parking Lot (Poor Condition)	25,000	1	25,000	\$3.50	\$91,000	5.59%	
5	Modify parking lot to improve traffic flow	10,000	1	10,000	\$5.00	\$52,000	3.19%	
6	Replace Exterior Concrete (sidewalks)	5,000	1	5,000	\$6.00	\$31,200	1.92%	
7	Replace Exterior Concrete (slabs/stoops)	1,000	1	1,000	\$8.00	\$8,320	0.51%	
8								
9	Replace fencing	1	200	200	\$10.00	\$2,080	0.13%	
10	Improve field drainage	11,100	1	11,100	\$1.00	\$11,544	0.71%	
11	Improve site drainage	1	1	1	\$15,000.00	\$15,600	0.96%	
12	Improve Storm System - catch basins	1	1	1	\$5,000.00	\$5,200	0.32%	
13								
14	SITE SUBTOTAL					\$216,944	13.33%	
15								
16	2.0 BUILDING ENVELOPE							
17								
18	Roofing Work							
19	Replace Roof (1970s area, built-up, installed 2001)	8,400	1	8,400	\$12.00	\$104,832	6.44%	
20								
21	Exterior Walls (brick failing above windows)	1,500	1	1,500	\$100.00	\$156,000	9.58%	
22								
23	Replace exterior service metal doors/frames/hardware	1	2	2	\$2,500.00	\$5,200	0.32%	
24	Replace exterior entry alum doors/frames/hardware	1	4	4	\$3,500.00	\$14,560	0.89%	
25								
26	BUILDING ENVELOPE SUBTOTAL					\$280,592	17.24%	
27								
28	3.0 INTERIOR/FINISHES							
29								
30	Abatement - asbestos flooring, insulation	48,393	1	48,393	\$0.25	\$12,582	11.12%	
31								
32	Upgrade door hardware - ADA issue	1	100	100	\$400.00	\$41,600	2.56%	
33								
34	Finishes							
35	Replace corridor ceilings (due to new MEP/IT work)	1,000	1	1,000	\$4.00	\$4,160	0.26%	
36	Replace classroom/corridor flooring (VCT/CPT)	5,000	1	5,000	\$4.50	\$23,400	1.44%	
37								
38	Remove Operable Partition - gym	1	50	50	\$25.00	\$1,300	0.08%	
39	New gym wall pads - add	1	50	50	\$100.00	\$5,200	0.32%	
40	Add classroom casework	1	20	20	\$8,000.00	\$166,400	10.22%	
41								
42	INTERIOR/FINISHES SUBTOTAL					\$254,642	15.64%	
43								
44	4.0 PLUMBING SYSTEMS							
45	Add isolation valves on domestic water lines	1	4	4	\$2,000.00	\$8,320	0.51%	
46	Replace drinking fountain in gym	1	1	1	\$2,500.00	\$2,600	0.16%	
47								
48	PLUMBING SYSTEMS SUBTOTAL					\$10,920	0.67%	

Cost Data							
		Specification Factor =	1.00	(Medium)			
		Geographic Factor =	1.00	(US Median)			
		Cost Escalation Factor =	1.04	Summer 2016			
Line No.	Program Area	Area Required (in Sq. Ft.)	No. of Rms. / Units Required	Total Area (in Sq. Ft.)	Base Unit Cost (\$)	Effective Program Area Cost (\$)	As % of Total Cost
49							
50	5.0 HVAC SYSTEMS						
51	Replace Boiler (age: 1998)	1	1	1	\$55,000.00	\$57,200	3.51%
52	Replace valves to Vertical Unit Ventilator	1	22	22	\$4,500.00	\$102,960	6.32%
53							
54	Update Temperature Controls	48,393	1	48,393	\$0.25	\$12,582	0.77%
55							
56	HVAC SYSTEMS SUBTOTAL					\$172,742	10.61%
57							
58	6.0 ELECTRICAL SYSTEMS						
59	Replace exterior building lights	1	20	20	\$500.00	\$10,400	0.64%
60	Add parking lot lights/poles/bases	1	10	10	\$15,000.00	\$156,000	9.58%
61							
62	ELECTRICAL SYSTEMS SUBTOTAL					\$166,400	10.22%
63							
64	7.0 SAFETY & SECURITY						
65	Add Secure Vestibule to Main Entrance	1	1	1	\$15,000.00	\$15,600	0.96%
66	Access Control System (Prox Card Readers)	1	1	1	\$2,500.00	\$2,600	0.16%
67	Expand Surveillance System	1	10	10	\$1,100.00	\$11,440	0.70%
68							
69	SECURITY SYSTEMS SUBTOTAL					\$29,640	1.82%
70							
71	8.0 OTHER						
72	n/a						
73							
74	OTHER SUBTOTAL					\$0	0.00%
75							
76	9.0 FURNITURE & EQUIPMENT						
77	Classroom furniture (desks, chairs, tables)	1	1	1	\$10,000.00	\$10,400	0.64%
78							
79	FURNITURE & EQUIPMENT SUBTOTAL					\$10,400	0.64%
80							
81	10.0 TECHNOLOGY						
82	Technology Infrastructure	1	33	33	\$200.00	\$6,864	0.42%
83	Replace PA System	1	1	1	\$20,000.00	\$20,800	1.28%
84	Instructional Equipment - Interactive Classroom	1	25	25	\$600.00	\$15,600	0.96%
85	Instructional Equipment - Computers (teacher)	1	25	25	\$1,170.00	\$30,420	1.87%
86	Instructional Equipment - Computers (lab)	1	32	32	\$350.00	\$11,648	0.72%
87	Instructional Equipment - Computers (media center)	1	12	12	\$350.00	\$4,368	0.27%
88	Instructional Equipment - Computers (carts)	1	3	3	\$11,000.00	\$34,320	2.11%
89	Non-Instructional Technology Equipment	1	3	3	\$1,170.00	\$3,650	0.22%
90	Design / Installation Services and IT Contingency	1	1	1	\$13,710.00	\$14,258	0.88%
91							
92	TECHNOLOGY SUBTOTAL					\$141,929	8.72%
93							
94	Building Infrastructure Improvement Total:			48,393	\$26.54	\$1,284,209	78.89%
95	Project Contingency:	10.00%		Of Building & Site Budget		\$113,188	6.95%
96	G.C. (permits, testing & printing):	2.50%		Of Building & Site Budget		\$31,127	1.91%
97	Construction Manager Fee and Costs:	7.00%		Of Building & Site Budget & Contingen		\$89,334	5.49%
98	Design/Consultant Fees & Costs:	8.00%		Of Building & Site Budget & Contingen		\$110,074	6.76%
99	PROJECT TOTAL					\$1,627,932	100.00%

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							Specification Factor =	1.00 (Medium)
							Geographic Factor =	1.00 (US Median)
							Cost Escalation Factor =	1.04 Summer 2016
Line No.	Program Area	Area Required (in Sq. Ft.)	No. of Rms. / Units	Total Area (in Sq. Ft.)	Base Unit Cost (\$)	Effective Program Area Cost (\$)	As % of Total Cost	
1	1.0 SITE							
2								
3	Paving							
4	Replace Asphalt Parking Lot (Poor Condition)	24,000	1	24,000	\$3.50	\$87,360	6.19%	
5	Modify/expand parking lot to improve traffic flow	10,000	1	10,000	\$5.00	\$52,000	3.68%	
6	Replace Exterior Concrete (sidewalks)	5,000	1	5,000	\$6.00	\$31,200	2.21%	
7	Replace Exterior Concrete (slabs/stoops)	1,000	1	1,000	\$8.00	\$8,320	0.59%	
8								
9	Replace fencing	1	200	200	\$10.00	\$2,080	0.15%	
10	Improve field drainage	5,300	1	5,300	\$1.00	\$5,512	0.39%	
11	Improve site drainage	1	1	1	\$15,000.00	\$15,600	1.11%	
12	Improve Storm System - catch basins	1	1	1	\$5,000.00	\$5,200	83.33%	
13								
14								
	SITE SUBTOTAL					\$207,272	14.68%	
15								
16	2.0 BUILDING ENVELOPE							
17								
18	Roofing Work							
19	Replace Roof (Area 1, built-up, installed 2001)	12,283	1	12,283	\$12.00	\$153,286	10.86%	
20								
21	Exterior Walls (soffits/exposed wood)	800	1	800	\$50.00	\$41,600	2.95%	
22								
23	Replace exterior service metal doors/frames/hardware	1	2	2	\$2,500.00	\$5,200	0.37%	
24	Replace exterior entry alum doors/frames/hardware	1	4	4	\$3,500.00	\$14,560	1.03%	
25								
26	BUILDING ENVELOPE SUBTOTAL					\$214,646	15.21%	
27								
28	3.0 INTERIOR/FINISHES							
29								
30	Abatement - asbestos flooring, insulation	49,130	1	49,130	\$0.25	\$12,774	0.90%	
31								
32	Upgrade door hardware - ADA issue	1	100	100	\$400.00	\$41,600	2.95%	
33								
34	Finishes							
35	Replace corridor ceilings (due to new MEP/IT work)	1,000	1	1,000	\$4.00	\$4,160	0.29%	
36	Replace classroom/corridor flooring (VCT/CPT)	5,000	1	5,000	\$4.50	\$23,400	1.66%	
37								
38	Add gym wall pads	1	50	50	\$100.00	\$5,200	0.37%	
39	Add classroom casework - lower el rooms	1	10	10	\$8,000.00	\$83,200	5.89%	
40								
41	INTERIOR/FINISHES SUBTOTAL					\$170,334	12.07%	
42								
43	4.0 PLUMBING SYSTEMS							
44	Add isolation valves on domestic water lines	1	4	4	\$2,000.00	\$8,320	0.59%	
45	Adjust plumbing in kitchen (3-comp sink, add disposal)	1	1	1	\$4,500.00	\$4,680	0.33%	
46								
47	PLUMBING SYSTEMS SUBTOTAL					\$13,000	0.92%	

Cost Data							
				Specification Factor =	1.00	(Medium)	
				Geographic Factor =	1.00	(US Median)	
				Cost Escalation Factor =	1.04	Summer 2016	
Line No.	Program Area	Area Required (in Sq. Ft.)	No. of Rms. / Units Required	Total Area (in Sq. Ft.)	Base Unit Cost (\$)	Effective Program Area Cost (\$)	As % of Total Cost
48							
49	5.0 HVAC SYSTEMS						
50	Replace Boiler (age: 1998)	1	1	1	\$55,000.00	\$57,200	4.05%
51	Replace valves to Vertical Unit Ventilator	1	19	19	\$4,500.00	\$88,920	6.30%
52							
53	Update Temperature Controls	49,130	1	49,130	\$0.25	\$12,774	0.90%
54							
55	HVAC SYSTEMS SUBTOTAL					\$158,894	11.26%
56							
57	6.0 ELECTRICAL SYSTEMS						
58	Replace exterior building lights	1	20	20	\$500.00	\$10,400	0.74%
59	Add parking lot lights/poles/bases	1	10	10	\$15,000.00	\$156,000	11.05%
60							
61	ELECTRICAL SYSTEMS SUBTOTAL					\$166,400	11.79%
62							
63	7.0 SAFETY & SECURITY						
64	Add Secure Vestibule to Main Entrance	1	1	1	\$21,000.00	\$21,840	1.55%
65	Access Control System (Prox Card Readers)	1	1	1	\$2,500.00	\$2,600	0.18%
66	Expand Surveillance System	1	10	10	\$1,100.00	\$11,440	0.81%
67							
68	SECURITY SYSTEMS SUBTOTAL					\$35,880	2.54%
69							
70	8.0 OTHER						
71	n/a						
72							
73	OTHER SUBTOTAL					\$0	0.00%
74							
75	9.0 FURNITURE & EQUIPMENT						
76	Classroom furniture (desks, chairs, tables)	1	1	1	\$10,000.00	\$10,400	0.74%
77							
78	FURNITURE & EQUIPMENT SUBTOTAL					\$10,400	0.74%
79							
80	10.0 TECHNOLOGY						
81	Technology Infrastructure	1	30	30	\$200.00	\$6,240	0.44%
82	Replace PA System	1	1	1	\$20,000.00	\$20,800	1.47%
83	Instructional Equipment - Interactive Classroom	1	25	25	\$600.00	\$15,600	1.11%
84	Instructional Equipment - Computers (teacher)	1	25	25	\$1,170.00	\$30,420	2.15%
85	Instructional Equipment - Computers (lab)	1	32	32	\$350.00	\$11,648	0.83%
86	Instructional Equipment - Computers (media center)	1	12	12	\$350.00	\$4,368	0.31%
87	Instructional Equipment - Computers (carts)	1	3	3	\$11,000.00	\$34,320	2.43%
88	Non-Instructional Technology Equipment	1	3	3	\$1,170.00	\$3,650	0.26%
89	Design / Installation Services and IT Contingency	1	1	1	\$13,649.00	\$14,195	1.01%
90							
91	TECHNOLOGY SUBTOTAL					\$141,241	10.01%
92							
93	Building Infrastructure Improvement Total:			49,130	\$22.76	\$1,118,067	79.20%
94	Project Contingency:	10.00%				\$96,643	6.85%
95	G.C. (permits, testing & printing):	2.50%				\$26,577	1.88%
96	Construction Manager Fee and Costs:	7.00%				\$76,275	5.40%
97	Design/Consultant Fees & Costs:	8.00%				\$94,106	6.67%
98	PROJECT TOTAL					\$1,411,666	100.00%

							Cost Data	
							Specification Factor =	1.00 (Medium)
							Geographic Factor =	1.00 (US Median)
							Cost Escalation Factor =	1.04 Summer 2016
Line No.	Program Area	Area Required (in Sq. Ft.)	No. of Rms. / Units	Total Area (in Sq. Ft.)	Base Unit Cost (\$)	Effective Program Area Cost (\$)	As % of Total Cost	
1	1.0 SITE							
2								
3	Paving							
4	Replace Asphalt Parking Lot (Poor Condition)	33,250	1	33,250	\$3.50	\$121,030	4.26%	
5	Modify/expand parking lot	20,000	1	20,000	\$5.00	\$104,000	3.66%	
6	Replace Exterior Concrete (sidewalks)	5,000	1	5,000	\$6.00	\$31,200	1.10%	
7	Replace Exterior Concrete (slabs/stoops)	1,000	1	1,000	\$8.00	\$8,320	0.29%	
8								
9	Replace fencing		1	500	\$10.00	\$5,200	0.18%	
10	Improve Storm System - catch basins		1	1	\$10,000.00	\$10,400	0.37%	
11								
12								
12						\$280,150	9.87%	
13								
14	2.0 BUILDING ENVELOPE							
15								
16	Roofing Work							
17	Replace Roof (Area 1, built-up, installed 2001)	39,566	1	39,566	\$12.00	\$493,777	17.39%	
18								
19	Replace brick screen walls at gym entry	1	1	1	\$40,000.00	\$41,600	1.47%	
20								
21	Replace exterior service metal doors/frames/hardware	1	4	4	\$2,500.00	\$10,400	0.37%	
22	Replace exterior entry alum doors/frames/hardware	1	16	16	\$3,500.00	\$58,240	2.05%	
23								
24						\$604,017	21.27%	
25								
26	3.0 INTERIOR/FINISHES							
27								
28	Abatement - asbestos flooring, insulation	101,131	1	101,131	\$0.25	\$26,294	0.93%	
29								
30	Add ADA access to gym	1	1	1	\$20,000.00	\$20,800	0.73%	
31								
32	Upgrade door hardware - ADA issue	1	150	150	\$400.00	\$62,400	2.20%	
33								
34	Finishes							
35	Replace corridor ceilings (due to new MEP/IT work)	5,000	1	5,000	\$4.00	\$20,800	0.73%	
36	Replace classroom/corridor flooring (VCT/CPT)	10,000	1	10,000	\$4.50	\$46,800	1.65%	
37								
38						\$177,094	6.24%	
39								
40	4.0 PLUMBING SYSTEMS							
41	Add isolation valves on domestic water lines	1	6	6	\$2,000.00	\$12,480	0.44%	
42								
43						\$12,480	0.44%	

Cost Data							
		Specification Factor =	1.00	(Medium)			
		Geographic Factor =	1.00	(US Median)			
		Cost Escalation Factor =	1.04	Summer 2016			
Line No.	Program Area	Area Required (in Sq. Ft.)	No. of Rms. / Units Required	Total Area (in Sq. Ft.)	Base Unit Cost (\$)	Effective Program Area Cost (\$)	As % of Total Cost
44							
45	5.0 HVAC SYSTEMS						
46	Replace Boilers (age: 1994)	1	3	3	\$85,000.00	\$265,200	9.34%
47	Replace valves to Vertical Unit Ventilator	1	30	30	\$4,500.00	\$140,400	4.94%
48							
49	Update Temperature Controls	101,131	1	101,131	\$0.25	\$26,294	0.93%
50							
51	HVAC SYSTEMS SUBTOTAL					\$431,894	15.21%
52							
53	6.0 ELECTRICAL SYSTEMS						
54	Replace existing electrical panels - pushmatic	1	1	1	\$50,000.00	\$52,000	1.83%
55	Replace exterior building lights	1	30	30	\$500.00	\$15,600	0.55%
56	Add parking lot lights/poles/bases	1	15	15	\$15,000.00	\$234,000	8.24%
57							
58	ELECTRICAL SYSTEMS SUBTOTAL					\$301,600	10.62%
59							
60	7.0 SAFETY & SECURITY						
61	Add Secure Vestibule to Main Entrance	1	1	1	\$42,500.00	\$44,200	1.56%
62	Access Control System (Prox Card Readers)	1	1	1	\$2,500.00	\$2,600	0.09%
63	Expand Surveillance System	1	5	5	\$1,100.00	\$5,720	0.20%
64							
65	SECURITY SYSTEMS SUBTOTAL					\$52,520	1.85%
66							
67	8.0 OTHER						
68	n/a						
69							
70	OTHER SUBTOTAL					\$0	0.00%
71							
72	9.0 FURNITURE & EQUIPMENT						
73	Classroom furniture (desks, chairs, tables)	1	1	1	\$20,000.00	\$20,800	0.73%
74	Food Service Equipment (walk-in, warmer, serving line)	1	1	1	\$100,000.00	\$104,000	3.66%
75							
76	FURNITURE & EQUIPMENT SUBTOTAL					\$124,800	4.40%
77							
78	10.0 TECHNOLOGY						
79	Technology Infrastructure	1	45	45	\$200.00	\$9,360	0.33%
80	Replace PA System	1	1	1	\$30,000.00	\$31,200	1.10%
81	Instructional Equipment - Interactive Classroom	1	60	60	\$600.00	\$37,440	1.32%
82	Instructional Equipment - Computers (teacher)	1	60	60	\$1,170.00	\$73,008	2.57%
83	Instructional Equipment - Computers (lab)	1	132	132	\$350.00	\$48,048	1.69%
84	Instructional Equipment - Computers (media center)	1	42	42	\$350.00	\$15,288	0.54%
85	Instructional Equipment - Computers (carts)	1	3	3	\$11,000.00	\$34,320	1.21%
86	Non-Instructional Technology Equipment	1	5	5	\$1,170.00	\$6,084	0.21%
87	Design / Installation Services and IT Contingency	1	1	1	\$25,672.00	\$26,699	0.94%
88							
89	TECHNOLOGY SUBTOTAL					\$281,447	9.91%
90							
91	Building Infrastructure Improvement Total:			101,131	\$22.41	\$2,266,002	79.81%
92	Project Contingency:	10.00%				\$185,976	6.55%
93	G.C. (permits, testing & printing):	2.50%				\$51,143	1.80%
94	Construction Manager Fee and Costs:	7.00%				\$146,781	5.17%
95	Design/Consultant Fees & Costs:	8.00%				\$189,476	6.67%
96	PROJECT TOTAL					\$2,839,379	100.00%

							Cost Data	
							Specification Factor =	1.00 (Medium)
							Geographic Factor =	1.00 (US Median)
							Cost Escalation Factor =	1.04 Summer 2016
Line No.	Program Area	Area Required (in Sq. Ft.)	No. of Rms. / Units Required	Total Area (in Sq. Ft.)	Base Unit Cost (\$)	Effective Program Area Cost (\$)	As % of Total Cost	
1	1.0 SITE							
2								
3	Paving							
4	Replace Asphalt Parking Lot (Poor Condition)	160,000	1	160,000	\$3.50	\$582,400	9.59%	
5	Modify parking lot - add lane/parking behind school	40,000	1	40,000	\$5.00	\$208,000	3.42%	
6	Replace Exterior Concrete (sidewalks)	10,000	1	10,000	\$6.00	\$62,400	1.03%	
7	Replace Exterior Concrete (slabs/stoops)	4,000	1	4,000	\$8.00	\$33,280	0.55%	
8								
9	Playground / Athletic Fields							
10	Replace Stadium Home Bleachers	1	1,000	1,000	\$175.00	\$182,000	3.00%	
11	Replace Stadium Visitor Bleachers	1	500	500	\$150.00	\$78,000	1.28%	
12	Expand pressbox	150	1	150	\$250.00	\$39,000	0.64%	
13	Replace/resurface running track	1	1	1	\$225,000.00	\$234,000	3.85%	
14	Upgrade track field events	1	1	1	\$45,000.00	\$46,800	0.77%	
15	Replace/resurface tennis courts	1	8	8	\$40,000.00	\$332,800	5.48%	
16	Upgrade Varsity baseball field	1	1	1	\$63,000.00	\$65,520	1.08%	
17	Upgrade Varsity softball field	1	1	1	\$172,500.00	\$179,400	2.95%	
18	Improve site drainage at practice fields	1	1	1	\$65,000.00	\$67,600	1.11%	
19								
20	Replace fencing	1	2,000	2,000	\$10.00	\$20,800	0.34%	
21	Improve site drainage around perimeter of building	1	1	1	\$30,000.00	\$31,200	0.51%	
22	Improve Storm System - catch basins	1	1	1	\$20,000.00	\$20,800	0.34%	
23								
24	SITE SUBTOTAL					\$2,184,000	35.96%	
25								
26	2.0 BUILDING ENVELOPE							
27								
28	Roofing Work							
29	Replace Roof (Area 1, membrane, installed 2001)	42,688	1	42,688	\$8.00	\$355,160	5.85%	
30								
31	Replace exterior service metal doors/frames/hardware	1	8	8	\$2,500.00	\$20,800	0.34%	
32	Replace exterior entry alum doors/frames/hardware	1	20	20	\$3,500.00	\$72,800	1.20%	
33								
34	BUILDING ENVELOPE SUBTOTAL					\$448,760	7.39%	
35								
36	3.0 INTERIOR/FINISHES							
37								
38	Abatement - asbestos flooring, insulation	170,750	1	170,750	\$0.25	\$44,395	0.73%	
39								
40	Upgrade door hardware - ADA issue	1	200	200	\$400.00	\$83,200	1.37%	
41								
42	Finishes							
43	Replace corridor ceilings (due to new MEP/IT work)	10,000	1	10,000	\$4.00	\$41,600	0.68%	
44	Replace classroom/corridor flooring (VCT/CPT)	25,000	1	25,000	\$4.50	\$117,000	1.93%	
45								
46	Replace Gym Bleachers	1	500	500	\$100.00	\$52,000	0.86%	
47								
48	INTERIOR/FINISHES SUBTOTAL					\$338,195	5.57%	
49								
50	4.0 PLUMBING SYSTEMS							
51	Add isolation valves on domestic water lines	1	8	8	\$2,000.00	\$16,640	0.27%	
52								
53	PLUMBING SYSTEMS SUBTOTAL					\$16,640	0.27%	

Cost Data							
		Specification Factor =	1.00	(Medium)			
		Geographic Factor =	1.00	(US Median)			
		Cost Escalation Factor =	1.04	Summer 2016			
Line No.	Program Area	Area Required (in Sq. Ft.)	No. of Units Required	Total Area (in Sq. Ft.)	Base Unit Cost (\$)	Effective Program Area Cost (\$)	As % of Total Cost
54							
55	5.0 HVAC SYSTEMS						
56	Replace Cabinet Unit Heater	1	10	10	\$5,000.00	\$52,000	0.86%
57	Replace valves to Vertical Unit Ventilator	1	40	40	\$4,500.00	\$187,200	3.08%
58	Improve cooling to tech head end room	1	1	1	\$20,000.00	\$20,800	0.34%
59							
60	Update Temperature Controls	170,750	1	170,750	\$0.25	\$44,395	0.73%
61							
62	HVAC SYSTEMS SUBTOTAL					\$304,395	5.01%
63							
64	6.0 ELECTRICAL SYSTEMS						
65	Replace exterior building lights	1	40	40	\$500.00	\$20,800	0.34%
66	Add parking lot lights	1	20	20	\$15,000.00	\$312,000	5.14%
67	Auditorium stage lighting / sound	1	1	1	\$200,000.00	\$208,000	3.42%
68	Replace select interior lighting	1	100	100	\$325.00	\$33,800	0.56%
69	Provide clock system	170,750	1	170,750	\$0.35	\$62,153	1.02%
70							
71	ELECTRICAL SYSTEMS SUBTOTAL					\$636,753	10.48%
72							
73	7.0 SAFETY & SECURITY						
74	Add Secure Vestibule to Main Entrance	1	1	1	\$50,000.00	\$52,000	0.86%
75	Access Control System (Prox Card Readers)	1	1	1	\$2,500.00	\$2,600	0.04%
76	Replace Surveillance System - indoor	1	34	34	\$1,100.00	\$38,896	0.64%
77	Replace Surveillance System - servers	1	1	1	\$17,000.00	\$17,680	0.29%
78							
79	SECURITY SYSTEMS SUBTOTAL					\$111,176	1.83%
80							
81	8.0 OTHER						
82							
83	OTHER SUBTOTAL					\$0	0.00%
84							
85	9.0 FURNITURE & EQUIPMENT						
86	Classroom furniture (desks, chairs, tables)	1	1	1	\$50,000.00	\$52,000	0.86%
87	Food Service Equipment (walk-in, warmer, serving line)	1	1	1	\$150,000.00	\$156,000	2.57%
88	Athletic Equipment	1	1	1	\$25,000.00	\$26,000	0.43%
89	Maintenance/Custodial Equipment	1	1	1	\$10,000.00	\$10,400	0.17%
90							
91	FURNITURE & EQUIPMENT SUBTOTAL					\$244,400	4.02%
92							
93	10.0 TECHNOLOGY						
94	Technology Infrastructure	1	105	105	\$200.00	\$21,840	0.36%
95	Replace PA System	1	1	1	\$45,000.00	\$46,800	0.77%
96	Instructional Equipment - Interactive Classroom	1	65	65	\$600.00	\$40,560	0.67%
97	Instructional Equipment - Computers (teacher)	1	65	65	\$1,170.00	\$79,092	1.30%
98	Instructional Equipment - Computers (labs)	1	112	112	\$350.00	\$40,768	0.67%
99	Instructional Equipment - Computers (BST labs)	1	50	50	\$915.00	\$47,580	0.78%
100	Instructional Equipment - Computers (CTE lab)	1	1	1	\$120,000.00	\$124,800	2.05%
101	Instructional Equipment - Computers (media center)	1	32	32	\$350.00	\$11,648	0.19%
102	Instructional Equipment - Computers (carts)	1	3	3	\$11,000.00	\$34,320	0.57%
103	Non-Instructional Technology Equipment	1	35	35	\$1,170.00	\$42,588	0.70%
104	Design / Installation Services and IT Contingency	1	1	1	\$53,854.00	\$56,008	0.92%
105							
106	TECHNOLOGY SUBTOTAL					\$546,004	8.99%
107							
108	Building Infrastructure Improvement Total:			170,750	\$28.29	\$4,830,323	79.53%
109	Project Contingency:	10.00%		Of Building & Site Budget		\$403,992	6.65%
110	G.C. (permits, testing & printing):	2.50%		Of Building & Site Budget		\$111,098	1.83%
111	Construction Manager Fee and Costs:	7.00%		Of Building & Site Budget & Contingen		\$318,851	5.25%
112	Design/Consultant Fees & Costs:	8.00%		Of Building & Site Budget & Contingen		\$409,461	6.74%
113	PROJECT TOTAL					\$6,073,724	100.00%

Cost Data							
		Specification Factor =	1.00	(Medium)			
		Geographic Factor =	1.00	(US Median)			
		Cost Escalation Factor =	1.04	Summer 2016			
Line No.	Program Area	Area Required (in Sq. Ft.)	No. of Rms. / Units	Total Area (in Sq. Ft.)	Base Unit Cost (\$)	Effective Program Area Cost (\$)	As % of Total Cost
1	1.0 SITE						
2							
3	Paving						
4	Replace Asphalt Parking Lot (Poor Condition)	55,000	1	55,000	\$3.50	\$200,200	8.77%
5	Modify parking lot - pave gravel lot	20,000	1	20,000	\$5.00	\$104,000	4.55%
6	Replace Exterior Concrete (sidewalks)	5,000	1	5,000	\$6.00	\$31,200	1.37%
7	Replace Exterior Concrete (slabs/stoops)	1,000	1	1,000	\$8.00	\$8,320	0.36%
8							
9	Add fencing - add for pre-school		1	200	\$10.00	\$2,080	0.09%
10	Improve site drainage - perimeter of building		1	1	\$15,000.00	\$15,600	0.68%
11	Improve Storm System - catch basins		1	1	\$5,000.00	\$5,200	0.23%
12							
13							
13	SITE SUBTOTAL					\$366,600	16.05%
14							
15	2.0 BUILDING ENVELOPE						
16							
17	Roofing Work						
18	Replace Roof (Area 1, built-up, installed 2001)	26,247	1	26,247	\$12.00	\$327,559	14.34%
19							
20	Replace exterior metal wall panels	1,200	1	1,200	\$25.00	\$31,200	1.37%
21							
22	Replace single pane windows	4,800	1	4,800	\$55.00	\$274,560	12.02%
23							
24	Replace exterior service metal doors/frames/hardware	1	2	2	\$2,500.00	\$5,200	0.23%
25	Replace exterior entry alum doors/frames/hardware	1	8	8	\$3,500.00	\$29,120	1.28%
26							
27	BUILDING ENVELOPE SUBTOTAL					\$667,639	29.24%
28							
29	3.0 INTERIOR/FINISHES						
30							
31	Abatement - asbestos flooring, insulation	38,329	1	38,329	\$0.50	\$19,931	12.66%
32							
33	Upgrade door hardware - ADA issue	1	100	100	\$400.00	\$41,600	0.00%
34							
35	Finishes						
36	Replace corridor ceilings (due to new MEP/IT work)	1,000	1	1,000	\$4.00	\$4,160	0.18%
37	Replace classroom/corridor flooring (VCT/CPT)	5,000	1	5,000	\$4.50	\$23,400	1.02%
38							
39	INTERIOR/FINISHES SUBTOTAL					\$89,091	3.90%
40							
41	4.0 PLUMBING SYSTEMS						
42	Add isolation valves on domestic water lines	1	4	4	\$2,000.00	\$8,320	0.36%
43							
44	PLUMBING SYSTEMS SUBTOTAL					\$8,320	0.36%

Cost Data							
				Specification Factor =	1.00	(Medium)	
				Geographic Factor =	1.00	(US Median)	
				Cost Escalation Factor =	1.04	Summer 2016	
Line No.	Program Area	Area Required (in Sq. Ft.)	No. of Rms. / Units Required	Total Area (in Sq. Ft.)	Base Unit Cost (\$)	Effective Program Area Cost (\$)	As % of Total Cost
45							
46	5.0 HVAC SYSTEMS						
47	Replace valves to Vertical Unit Ventilator	1	20	20	\$4,500.00	\$93,600	4.10%
48							
49	Update Temperature Controls	38,329	1	38,329	\$1.00	\$39,862	1.75%
50							
51	HVAC SYSTEMS SUBTOTAL					\$133,462	5.84%
52							
53	6.0 ELECTRICAL SYSTEMS						
54	Upgrade main electrical service	1	1	1	\$60,000.00	\$62,400	2.73%
55	Replace existing electrical panels - pushmatic	1	1	1	\$50,000.00	\$52,000	2.28%
56	Replace exterior building lights	1	20	20	\$500.00	\$10,400	0.46%
57	Add parking lot lights/poles/bases	1	10	10	\$15,000.00	\$156,000	6.83%
58	Adjustments to Fire Alarm System - portables	1	1	1	\$10,000.00	\$10,400	0.46%
59							
60	ELECTRICAL SYSTEMS SUBTOTAL					\$291,200	12.75%
61							
62	7.0 SAFETY & SECURITY						
63	Access Control System (Prox Card Readers)	1	7	7	\$3,000.00	\$21,840	0.96%
64	Replace Surveillance System - Interior	1	12	12	\$1,100.00	\$13,728	0.60%
65	Replace Surveillance System - Exterior	1	5	5	\$2,500.00	\$13,000	0.57%
66	Replace Surveillance System - servers	1	1	1	\$17,000.00	\$17,680	0.00%
67							
68	SECURITY SYSTEMS SUBTOTAL					\$66,248	2.90%
69							
70	8.0 OTHER						
71	n/a						
72							
73	OTHER SUBTOTAL					\$0	0.00%
74							
75	9.0 FURNITURE & EQUIPMENT						
76	Classroom furniture (desks, chairs, tables)	1	1	1	\$10,000.00	\$10,400	0.46%
77							
78	FURNITURE & EQUIPMENT SUBTOTAL					\$10,400	0.46%
79							
80	10.0 TECHNOLOGY						
81	Technology Infrastructure	1	44	44	\$200.00	\$9,152	0.40%
82	Replace PA System	1	1	1	\$45,000.00	\$46,800	2.05%
83	Instructional Equipment - Interactive Classroom	1	19	19	\$600.00	\$11,856	0.52%
84	Instructional Equipment - Computers (teacher)	1	19	19	\$1,170.00	\$23,119	1.01%
85	Instructional Equipment - Computers (carts)	1	2	2	\$11,000.00	\$22,880	1.00%
86	Instructional Equipment - Computers	1	60	60	\$350.00	\$21,840	0.96%
87	Non-Instructional Technology Equipment	1	3	3	\$1,170.00	\$3,650	0.16%
88	Design / Installation Services and IT Contingency	1	1	1	\$18,106.00	\$18,830	0.82%
89							
90	TECHNOLOGY SUBTOTAL					\$158,128	6.92%
91							
92	Building Infrastructure Improvement Total:			38,329	\$46.73	\$1,791,089	78.44%
93	Project Contingency:	10.00%				\$162,256	7.11%
94	G.C. (permits, testing & printing):	2.50%				\$44,620	1.95%
95	Construction Manager Fee and Costs:	7.00%				\$128,061	5.61%
96	Design/Consultant Fees & Costs:	8.00%				\$157,432	6.89%
97	PROJECT TOTAL					\$2,283,457	100.00%

							Cost Data	
							Specification Factor =	1.00 (Medium)
							Geographic Factor =	1.00 (US Median)
							Cost Escalation Factor =	1.04 Summer 2016
Line No.	Program Area	Area Required (in Sq. Ft.)	No. of Rms. / Units	Total Area (in Sq. Ft.)	Base Unit Cost (\$)	Effective Program Area Cost (\$)	As % of Total Cost	
1	1.0 SITE							
2								
3	Paving							
4	Replace Asphalt Parking Lot (Poor Condition)	15,000	1	15,000	\$3.50	\$54,600	2.33%	
5	Modify parking lot - extend South lot at tennis courts	30,000	1	30,000	\$5.00	\$156,000	6.65%	
6	Replace Exterior Concrete (sidewalks)	5,000	1	5,000	\$6.00	\$31,200	1.33%	
7	Replace Exterior Concrete (slabs/stoops)	1,000	1	1,000	\$8.00	\$8,320	0.35%	
8								
9	Replace fencing	1	1,000	1,000	\$10.00	\$10,400	0.44%	
10	Improve site drainage - courtyard	1	1	1	\$20,000.00	\$20,800	0.89%	
11	Improve Storm System - catch basins	1	1	1	\$10,000.00	\$10,400	0.44%	
12								
13								
	SITE SUBTOTAL					\$291,720	12.44%	
14								
15	2.0 BUILDING ENVELOPE							
16								
17	Roofing Work							
18	Replace Roof (Area 1, built-up, installed 2001)	36,777	1	36,777	\$12.00	\$458,977	19.57%	
19								
20	Replace exterior brick at corners/above windows	500	1	500	\$50.00	\$26,000	1.11%	
21								
22	Replace exterior service metal doors/frames/hardware	1	4	4	\$2,500.00	\$10,400	0.44%	
23	Replace exterior entry alum doors/frames/hardware	1	12	12	\$3,500.00	\$43,680	1.86%	
24								
25	BUILDING ENVELOPE SUBTOTAL					\$539,057	22.99%	
26								
27	3.0 INTERIOR/FINISHES							
28								
29	Abatement - asbestos flooring, insulation	100,554	1	100,554	\$0.25	\$26,144	1.11%	
30								
31	Replace stair railing - code issue	1	3	3	\$15,000.00	\$46,800	2.00%	
32								
33	Replace corridor/class doors w/ smaller glass	1	30	30	\$1,750.00	\$54,600	2.33%	
34	Replace door hardware - ADA issue	1	150	150	\$400.00	\$62,400	2.66%	
35								
36	Finishes							
37	Replace corridor ceilings (due to new MEP/IT work)	2,000	1	2,000	\$4.00	\$8,320	0.35%	
38	Replace classroom/corridor flooring (VCT/CPT)	10,000	1	10,000	\$4.50	\$46,800	2.00%	
39								
40	INTERIOR/FINISHES SUBTOTAL					\$245,064	10.45%	
41								
42	4.0 PLUMBING SYSTEMS							
43	Add isolation valves on domestic water lines	1	6	6	\$2,000.00	\$12,480	0.53%	
44								
45	PLUMBING SYSTEMS SUBTOTAL					\$12,480	0.53%	

Cost Data							
		Specification Factor =	1.00	(Medium)			
		Geographic Factor =	1.00	(US Median)			
		Cost Escalation Factor =	1.04	Summer 2016			
Line No.	Program Area	Area Required (in Sq. Ft.)	No. of Rms. / Units Required	Total Area (in Sq. Ft.)	Base Unit Cost (\$)	Effective Program Area Cost (\$)	As % of Total Cost
46							
47	5.0 HVAC SYSTEMS						
48	Replace Boilers: (age: 2002)	1	2	2	\$85,000.00	\$176,800	7.54%
49	Replace valves to Vertical Unit Ventilator	1	30	30	\$4,500.00	\$140,400	5.99%
50							
51	Update Temperature Controls	100,554	1	100,554	\$0.25	\$26,144	1.11%
52							
53	HVAC SYSTEMS SUBTOTAL					\$343,344	14.64%
54							
55	6.0 ELECTRICAL SYSTEMS						
56	Replace exterior building lights	1	20	20	\$500.00	\$10,400	0.44%
57	Add parking lot lights/poles/bases	1	10	10	\$15,000.00	\$156,000	6.65%
58							
59	ELECTRICAL SYSTEMS SUBTOTAL					\$166,400	7.10%
60							
61	7.0 SAFETY & SECURITY						
62	Access Control System (Prox Card Readers)	1	1	1	\$2,500.00	\$2,600	0.11%
63	Expand Surveillance System	1	10	10	\$1,100.00	\$11,440	0.49%
64							
65	SECURITY SYSTEMS SUBTOTAL					\$14,040	0.60%
66							
67	8.0 OTHER						
68	n/a						
69							
70	OTHER SUBTOTAL					\$0	0.00%
71							
72	9.0 FURNITURE & EQUIPMENT						
73	Classroom furniture (desks, chairs, tables)	1	1	1	\$10,000.00	\$10,400	0.44%
74							
75	FURNITURE & EQUIPMENT SUBTOTAL					\$10,400	0.44%
76							
77	10.0 TECHNOLOGY						
78	Technology Infrastructure	1	47	47	\$200.00	\$9,776	0.42%
79	Replace PA System	1	1	1	\$45,000.00	\$46,800	2.00%
80	Instructional Equipment - Interactive Classroom	1	60	60	\$600.00	\$37,440	1.60%
81	Instructional Equipment - Computers (teacher)	1	60	60	\$1,170.00	\$73,008	3.11%
82	Instructional Equipment - Computers (carts)	1	1	1	\$11,000.00	\$11,440	0.49%
83	Instructional Equipment - Computers (media center)	1	10	10	\$350.00	\$3,640	0.16%
84	Instructional Equipment - Computers	1	30	30	\$350.00	\$10,920	0.47%
85	Non-Instructional Technology Equipment	1	15	15	\$1,170.00	\$18,252	0.78%
86	Design / Installation Services and IT Contingency	1	1	1	\$21,147.00	\$21,993	0.94%
87							
88	TECHNOLOGY SUBTOTAL					\$233,269	9.95%
89							
90	Building Infrastructure Improvement Total:			100,554	\$18.46	\$1,855,774	79.14%
91	Project Contingency:	10.00%		Of Building & Site Budget		\$161,211	6.87%
92	G.C. (permits, testing & printing):	2.50%		Of Building & Site Budget		\$44,333	1.89%
93	Construction Manager Fee and Costs:	7.00%		Of Building & Site Budget & Contingen		\$127,235	5.43%
94	Design/Consultant Fees & Costs:	8.00%		Of Building & Site Budget & Contingen		\$156,423	6.67%
95	PROJECT TOTAL					\$2,344,975	100.00%