SOUTHGATE COMMUNITY SCHOOLS SUMMARY OF PRIORITY 1 - CRITICAL NEEDS

Bldg #	Name of School Facility	Site Work	Renovation	Roofing	Flooring	Contingenc y	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
TOTA	AL 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

Summary of Costs ALLEN ELEMENTARY



		(Geogra	Cost Data ation Factor = phic Factor = ation Factor =	1.00 1.00 1.04	(Medium) (US Median) 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 2	1.0 SITE						
3 4 5 6 7	Paving Replace Asphalt Parking Lot Modify parking lot - extend drop off lane Replace Exterior Concrete (sidewalks) Replace Exterior Concrete (slabs/stoops)	51,300 10,000 5,000 1,000	1 1 1 1	51,300 10,000 5,000 1,000	\$3.50 \$5.00 \$6.00 \$8.00	\$186,732 \$52,000 \$31,200 \$8,320	11.41% 3.18% 1.91% 0.51%
8 9 10 11 12 13	Replace fencing Improve field drainage Improve site drainage - adjacent to building Improve Storm System - catch basins	1 11,300 1 1	200 1 1 1	200 11,300 1 1	\$10.00 \$1.00 \$15,000.00 \$5,000.00	\$2,080 \$11,752 \$15,600 \$5,200	0.13% 0.72% 0.95% 0.32%
14	SITE SUBTOTAL					\$312,884	19.12%
15 16 17 18	2.0 BUILDING ENVELOPE Roofing Work						
19 20 21	Replace Roof (Area 1, built-up, installed 2001) Replace exterior plaster soffits	18,250 500	1	18,250 500	\$12.00 \$25.00	\$227,760 \$13,000	13.92% 0.79%
22 23	Replace exterior service metal doors/frames/hardware	1	2	2	\$2,500.00	\$5,200	0.32%
24 25 26	Replace exterior entry alum doors/frames/hardware BUILDING ENVELOPE SUBTOTAL	1	6	6	\$3,500.00	\$21,840 \$267,800	1.33% 16.37%
27						Ψ207,000	10.57 /6
28 29 30	3.0 INTERIOR/FINISHES Abatement - asbestos flooring, insulation	43,000	1	43,000	\$0.25	\$11,180	0.68%
31 32 33	Upgrade door hardware - ADA issue	1	100	100	\$400.00	\$41,600	2.54%
34 35 36 37	Finishes Replace corridor ceilings (due to new MEP/IT work) Replace classroom/corridor flooring (VCT/CPT) Replace Operable Partition - gym/café	1,000 5,000 1	1 1 75	1,000 5,000 75	\$4.00 \$4.50 \$500.00	\$4,160 \$23,400 \$39,000	0.25% 1.43% 2.38%
38 39	INTERIOR/FINISHES SUBTOTAL					\$119,340	7.29%
40 41 42	4.0 PLUMBING SYSTEMS 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%

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Instructional Equipment - Interactive Classroom

Instructional Equipment - Computers (media center)

Design / Installation Services and IT Contingency

TECHNOLOGY SUBTOTAL

Instructional Equipment - Computers (teacher)

Instructional Equipment - Computers (lab)

Instructional Equipment - Computers (carts)

Non-Instructional Technology Equipment

Building Infrastructure Improvement Total:

G.C. (permits, testing & printing):

Design/Consultant Fees & Costs:

Construction Manager Fee and Costs:

Project Contingency:

97 PROJECT TOTAL

Summary of Costs ALLEN ELEMENTARY



Cost Data Specification Factor = 1.00 (Medium) 1.00 (US Median) Geographic Factor = Cost Escalation Factor = 1.04 Summer 2016 **Effective** No. of Area Rms./ Program As % of Units **Total Area Base Unit** Line Required Area Total No. **Program Area** (in Sq. Ft.) Required (in Sq. Ft.) Cost (\$) Cost (\$) Cost 45 46 5.0 HVAC SYSTEMS 47 Replace Boiler (age: 1998) \$55,000.00 3 50% 1 1 1 \$57.200 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 **HVAC SYSTEMS SUBTOTAL** 52 \$166,660 10.19% 53 54 **6.0 ELECTRICAL SYSTEMS** 55 Replace exterior building lights 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 4 4 \$1,500.00 \$6,240 0.38% 58 **ELECTRICAL SYSTEMS SUBTOTAL** \$172,640 10.55% 59 60 7.0 SAFETY & SECURITY 61 62 Add Secure Vestibule to Main Entrance 1 1 1 \$16,000.00 \$16,640 1.02% Access Control System (Prox Card Readers) \$2,500.00 \$2,600 0.16% 63 1 1 1 64 Expand Surveillance System 1 10 10 \$1,100.00 \$11,440 0.70% 65 **SECURITY SYSTEMS SUBTOTAL** \$30,680 1.88% 66 67 68 **8.0 OTHER** 69 n/a 70 OTHER SUBTOTAL \$0 0.00% 71 72 9.0 FURNITURE & EQUIPMENT 73 74 Classroom furniture (desks, chairs, tables) 1 \$10.000.00 \$10.400 0.64% 1 75 Food Service Equipment (walk-in, oven, warmer) 1 \$70,000.00 \$72,800 4.45% 76 **FURNITURE & EQUIPMENT SUBTOTAL** \$83,200 5.09% 77 78 10.0 TECHNOLOGY 79 80 Technology Infrastructure 30 30 \$200.00 \$6,240 0.38% \$20,000.00 81 Replace PA System 1 1 1 \$20,800 1.27%

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\$34,320

\$3,650

\$14,195

\$141,241

\$1,302,765

\$107,832

\$29,654

\$85,107

\$110,729

\$1,636,088

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0.27%

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79.63%

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1.81%

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Upgrade door hardware - ADA issue

Add gym wall pads

4.0 PLUMBING SYSTEMS

Replace corridor ceilings (due to new MEP/IT work)

INTERIOR/FINISHES SUBTOTAL

PLUMBING SYSTEMS SUBTOTAL

Replace classroom/corridor flooring (VCT/CPT)

Add isolation valves on domestic water lines

Summary of Costs FORDLINE ELEMENTARY



Cost Data Specification Factor = 1.00 (Medium) 1.00 (US Median) Geographic Factor = Cost Escalation Factor = 1.04 Summer 2016 **Effective** No. of Area Rms./ Program As % of Line Units **Total Area Base Unit** Total Required Area No. (in Sq. Ft.) Required (in Sq. Ft.) **Program Area** Cost (\$) Cost (\$) Cost 1.0 SITE 2 3 Paving 4 Modify parking lot - improve traffic flow 5,000 5,000 \$5.00 \$26,000 1.88% 1 Replace Exterior Concrete (sidewalks) \$31,200 5 5,000 1 5,000 \$6.00 2.26% 6 Replace Exterior Concrete (slabs/stoops) 0.00% 1,000 \$8.00 \$8,320 1 1,000 7 Replace fencing 1,000 \$10.00 \$10,400 0.75% 8 1,000 Improve field drainage 7,000 \$1.00 \$7,280 0.53% 9 1 7,000 10 Improve site drainage - courtyards \$15,000.00 \$15,600 1 1 1 1.13% Improve Storm System - catch basins \$5,000.00 11 1 1 \$5,200 0.38% 12 SITE SUBTOTAL \$104,000 7.52% 13 14 15 2.0 BUILDING ENVELOPE 16 Roofing Work 17 Replace Roof (center area, built-up, installed 2001) 10,000 10,000 \$12.00 \$124,800 9.02% 18 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 2 2 \$2,500.00 \$5,200 0.38% 1 25 Replace exterior egress alum doors/frames/hardware 10 10 \$3,500.00 \$36,400 2.63% 26 **BUILDING ENVELOPE SUBTOTAL** \$201,500 14.57% 27 28 29 3.0 INTERIOR/FINISHES 30 31 47,640 47,640 Abatement - asbestos flooring, insulation 1 \$0.25 \$12,386 13.11% 32 33 Replace corridor/classroom doors - not rated 1 12 12 \$1,750.00 \$21,840 1.58%

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\$8,320

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0.60%

0.60%

Summary of Costs FORDLINE ELEMENTARY



			Specifica	tion Factor =	1.00	(Medium)	
		(phic Factor =	1.00 1.04	(US Median) 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							
	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	Opuate Temperature Controls	47,040	'	47,040	Ψ2.50	Ψ125,004	0.3370
55	HVAC SYSTEMS SUBTOTAL					\$274,664	19.85%
56							
	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 T. F. lights to graph	1 000	10	10	\$15,000.00	\$156,000	11.28%
61 62	Add T-5 lights to gym	4,000	1	4,000	\$1.50	\$6,240	0.45%
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	5255(((1) 01512((6) 552151))(2					400,000	2.0070
	8.0 OTHER						
73	n/a						
74	OTHER SURTOTAL					**	0.000/
75 76	OTHER SUBTOTAL					\$0	0.00%
	9.0 FURNITURE & EQUIPMENT						
78	Classroom furniture (desks, chairs, tables)	1	1	1	\$10,000.00	\$10,400	0.75%
79	Olassicom familiare (desiks, origins, tables)				Ψ10,000.00	φ10,400	0.7070
80	FURNITURE & EQUIPMENT SUBTOTAL					\$10,400	0.75%
81							
	10.0 TECHNOLOGY						
83	Technology Infrastructure	1	29	29	\$200.00	\$6,032	0.44%
84 85	Replace PA System	1 1	1 25	1 25	\$20,000.00 \$600.00	\$20,800 \$15,600	1.50% 1.13%
86	Instructional Equipment - Interactive Classroom Instructional Equipment - Computers (teacher)	1	25 25	25 25	\$1,170.00	\$15,600	2.20%
87	Instructional Equipment - Computers (leacher)	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	TEOLINA AND AUDITOTIC					6444 545	40.4007
93	TECHNOLOGY SUBTOTAL					\$141,012	10.19%
94	Duilding Infrastructure Improvement Tatal			47.040	#00.04	£4 000 04 4	70.050/
95 96	Building Infrastructure Improvement Total:	10.00%	Of Build	47,640 ing & Site Budo	\$23.01	\$1,096,314	79.25%
96	Project Contingency: G.C. (permits, testing & printing):	2.50%		ing & Site Budູ໌ ing & Site Budູ໌	•	\$94,490 \$25,985	6.83% 1.88%
98	Construction Manager Fee and Costs:	7.00%		-	get & Contingen		5.39%
99	Design/Consultant Fees & Costs:	8.00%			get & Contingen		6.65%
100	PROJECT TOTAL					\$1,383,394	100.00%

Summary of Costs GROGAN ELEMENTARY



		(Geogra	Cost Data ation Factor = phic Factor = ation Factor =	1.00 1.00 1.04	(Medium) (US Median) 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	1.0 SITE						
3 4	Paving 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	SITE SUBTUTAL					φ210, 344	13.33 /6
	2.0 BUILDING ENVELOPE						
17							
18	Roofing Work	0.400		0.400	# 40.00	# 404.000	0.440/
19 20	Replace Roof (1970s area, built-up, installed 2001)	8,400	1	8,400	\$12.00	\$104,832	6.44%
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 25	Replace exterior entry alum doors/frames/hardware	1	4	4	\$3,500.00	\$14,560	0.89%
26	BUILDING ENVELOPE SUBTOTAL					\$280,592	17.24%
27 28 3	3.0 INTERIOR/FINISHES						
29	Abstement cohectes flegging insulation	40.000	4	40.000	#0.05	040 500	44.400/
30 31	Abatement - asbestos flooring, insulation	48,393	1	48,393	\$0.25	\$12,582	11.12%
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 37	Replace classroom/corridor flooring (VCT/CPT)	5,000	1	5,000	\$4.50	\$23,400	1.44%
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%
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_	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%
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Summary of Costs GROGAN ELEMENTARY



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

Summary of Costs SHELTERS ELEMENTARY



		(Geogra	Cost Data tion Factor = phic Factor = tion Factor =	1.00 1.00 1.04	(Medium) (US Median) 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
2 3	1.0 SITE Paving						
4 5 6 7	Replace Asphalt Parking Lot (Poor Condition) Modify/expand parking lot to improve traffic flow Replace Exterior Concrete (sidewalks) Replace Exterior Concrete (slabs/stoops)	24,000 10,000 5,000 1,000	1 1 1 1	24,000 10,000 5,000 1,000	\$3.50 \$5.00 \$6.00 \$8.00	\$87,360 \$52,000 \$31,200 \$8,320	6.19% 3.68% 2.21% 0.59%
8 9 10 11 12	Replace fencing Improve field drainage Improve site drainage Improve Storm System - catch basins	5,300 1 1	200 1 1 1	200 5,300 1 1	\$10.00 \$1.00 \$15,000.00 \$5,000.00	\$2,080 \$5,512 \$15,600 \$5,200	0.15% 0.39% 1.11% 83.33%
13 14	SITE SUBTOTAL	·	·	•	φο,σσσ.σσ	\$207,272	14.68%
15 16 17	2.0 BUILDING ENVELOPE						
18 19 20	Roofing Work Replace Roof (Area 1, built-up, installed 2001)	12,283	1	12,283	\$12.00	\$153,286	10.86%
21 22	Exterior Walls (soffits/exposed wood)	800	1	800	\$50.00	\$41,600	2.95%
23 24 25	Replace exterior service metal doors/frames/hardware Replace exterior entry alum doors/frames/hardware	1	2 4	2 4	\$2,500.00 \$3,500.00	\$5,200 \$14,560	0.37% 1.03%
26 27	BUILDING ENVELOPE SUBTOTAL					\$214,646	15.21%
28 29	3.0 INTERIOR/FINISHES						
30 31	Abatement - asbestos flooring, insulation	49,130	1	49,130	\$0.25	\$12,774	0.90%
32 33	Upgrade door hardware - ADA issue	1	100	100	\$400.00	\$41,600	2.95%
34 35 36 37	Finishes Replace corridor ceilings (due to new MEP/IT work) Replace classroom/corridor flooring (VCT/CPT)	1,000 5,000	1 1	1,000 5,000	\$4.00 \$4.50	\$4,160 \$23,400	0.29% 1.66%
38 39	Add gym wall pads Add classroom casework - lower el rooms	1 1	50 10	50 10	\$100.00 \$8,000.00	\$5,200 \$83,200	0.37% 5.89%
40 41 42	INTERIOR/FINISHES SUBTOTAL					\$170,334	12.07%
42 43 44 45	4.0 PLUMBING SYSTEMS Add isolation valves on domestic water lines Adjust plumbing in kitchen (3-comp sink, add disposal)	1	4 1	4 1	\$2,000.00 \$4,500.00	\$8,320 \$4,680	0.59% 0.33%
46 47	PLUMBING SYSTEMS SUBTOTAL					\$13,000	0.92%

Summary of Costs SHELTERS ELEMENTARY



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

Summary of Costs DAVIDSON MIDDLE SCHOOL



			Specifica	Cost Data	1.00	(Medium)	
			•	phic Factor =	1.00	(US Median)	
		(Cost Escala	ation 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	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 7	Replace Exterior Concrete (sidewalks) Replace Exterior Concrete (slabs/stoops)	5,000 1,000	1 1	5,000 1,000	\$6.00 \$8.00	\$31,200 \$8,320	1.10% 0.29%
8	Neplace Exterior Concrete (Slabs/Stoops)	1,000	'	1,000	φο.υυ	φ0,320	0.2976
9	Replace fencing	1	500	500	\$10.00	\$5,200	0.18%
10	Improve Storm System - catch basins	1	1	1	\$10,000.00	\$10,400	0.37%
11 12	SITE SUBTOTAL					\$280,150	9.87%
13 14	2.0 BUILDING ENVELOPE						
15	2.0 BOILDING LIVELOI L						
16	Roofing Work						
17 18	Replace Roof (Area 1, built-up, installed 2001)	39,566	1	39,566	\$12.00	\$493,777	17.39%
19	Replace brick screen walls at gym entry	1	1	1	\$40,000.00	\$41,600	1.47%
20					\$0.500.00	A 40.400	0.070/
21 22	Replace exterior service metal doors/frames/hardware Replace exterior entry alum doors/frames/hardware	1	4 16	4 16	\$2,500.00 \$3,500.00	\$10,400 \$58,240	0.37% 2.05%
23 24	BUILDING ENVELOPE SUBTOTAL	·			ψο,σσσ.σσ	\$604,017	21.27%
25						400 1,011	
26 27	3.0 INTERIOR/FINISHES						
28 29	Abatement - asbestos flooring, insulation	101,131	1	101,131	\$0.25	\$26,294	0.93%
30	Add ADA access to gym	1	1	1	\$20,000.00	\$20,800	0.73%
31 32 33	Upgrade door hardware - ADA issue	1	150	150	\$400.00	\$62,400	2.20%
34	Finishes						
35	Replace corridor ceilings (due to new MEP/IT work)	5,000	1	5,000	\$4.00	\$20,800	0.73%
36 37	Replace classroom/corridor flooring (VCT/CPT)	10,000	1	10,000	\$4.50	\$46,800	1.65%
38	INTERIOR/FINISHES SUBTOTAL					\$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	PLUMBING SYSTEMS SUBTOTAL					\$12,480	0.44%

Summary of Costs DAVIDSON MIDDLE SCHOOL



		(Geogra	Cost Data ation Factor = phic Factor = ation Factor =	1.00 1.00 1.04	(Medium) (US Median) Summer 2016	
Line No.		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	S O LIVA O OVOTEMO						
45 46	5.0 HVAC SYSTEMS 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 55	Replace existing electrical panels - pushmatic Replace exterior building lights	1 1	1 30	1 30	\$50,000.00 \$500.00	\$52,000 \$15,600	1.83% 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	OLOGICITY OTOTEMO GOBTOTAL					Ψ02,020	1.0070
67	8.0 OTHER						
68	n/a						
69 70	OTHER SUBTOTAL					\$0	0.00%
71						•	
	9.0 FURNITURE & EQUIPMENT						
73	Classroom furniture (desks, chairs, tables)	1	1	1	\$20,000.00	\$20,800	0.73%
74 75	Food Service Equipment (walk-in, warmer, serving line)	1	1	1	\$100,000.00	\$104,000	3.66%
76	FURNITURE & EQUIPMENT SUBTOTAL					\$124,800	4.40%
77	40.0 TEOLING 1.0.0V						
78 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 85	Instructional Equipment - Computers (media center) Instructional Equipment - Computers (carts)	1 1	42 3	42 3	\$350.00 \$11,000.00	\$15,288 \$34,320	0.54% 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	ILCHNOLOGI SUBIUTAL					ψ 2 01, 44 7	J.J 1 70
91	Building Infrastructure Improvement Total:			101,131	\$22.41	\$2,266,002	79.81%
92	Project Contingency:	10.00%		ing & Site Bud	get	\$185,976	6.55%
93	G.C. (permits, testing & printing):	2.50%		ing & Site Bud	•	\$51,143	1.80%
94 95	Construction Manager Fee and Costs: Design/Consultant Fees & Costs:	7.00% 8.00%			get & Contingen get & Contingen		5.17% 6.67%
	PROJECT TOTAL	0.0070	O. Duilu	g & Cito Dad	go. a contingen	\$2,839,379	100.00%

Summary of Costs ANDERSON HIGH SCHOOL



			•	Cost Data	1.00	(Medium) (US Median)	
		(phic Factor =	1.00 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	Doving						
3 4	Paving 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		4 000	4 000	# 475.00	# 400 000	0.000/
10 11	Replace Stadium Home Bleachers Replace Stadium Visitor Bleachers	1 1	1,000 500	1,000 500	\$175.00 \$150.00	\$182,000	3.00% 1.28%
12	Expand pressbox	150	1	150	\$150.00 \$250.00	\$78,000 \$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	Deplese for sing	4	0.000	2 200	£40.00	# 00,000	0.040/
20 21	Replace fencing Improve site drainage around perimeter of building	1 1	2,000 1	2,000 1	\$10.00 \$30,000.00	\$20,800 \$31,200	0.34% 0.51%
22	Improve Storm System - catch basins	1	1	1	\$20,000.00	\$20,800	0.31%
23			·	·	\$20,000.00		
24 25	SITE SUBTOTAL					\$2,184,000	35.96%
26 27	2.0 BUILDING ENVELOPE						
28	Roofing Work						
29 30	Replace Roof (Area 1, membrane, installed 2001)	42,688	1	42,688	\$8.00	\$355,160	5.85%
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 37	3.0 INTERIOR/FINISHES						
38 39	Abatement - asbestos flooring, insulation	170,750	1	170,750	\$0.25	\$44,395	0.73%
40 41	Upgrade door hardware - ADA issue	1	200	200	\$400.00	\$83,200	1.37%
42	Finishes Replace corridor coilings (due to new MED/IT work)	10.000	4	10.000	#4.00	¢44 600	0.600/
43 44	Replace corridor ceilings (due to new MEP/IT work) Replace classroom/corridor flooring (VCT/CPT)	10,000 25,000	1 1	10,000 25,000	\$4.00 \$4.50	\$41,600 \$117,000	0.68% 1.93%
45	replace classiconi/contact flooring (VC1/CP1)	23,000	1	23,000	φ4.50	φι17,000	1.5370
46 47	Replace Gym Bleachers	1	500	500	\$100.00	\$52,000	0.86%
48	INTERIOR/FINISHES SUBTOTAL					\$338,195	5.57%
49	4.4.21.111.211.0.000.75.110					<u></u>	
50	4.0 PLUMBING SYSTEMS		•	•	#0 000 00	# 40.040	0.070/
51 52	Add isolation valves on domestic water lines	1	8	8	\$2,000.00	\$16,640	0.27%
53	PLUMBING SYSTEMS SUBTOTAL					\$16,640	0.27%

Summary of Costs ANDERSON HIGH SCHOOL



		(Geogra	Cost Data ation Factor = phic Factor = ation Factor =	1.00 1.00 1.04	(Medium) (US Median) 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
54	E O LIVAC SVETEMS						
55 56	5.0 HVAC SYSTEMS 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	LIVAC CYCTEMS CURTOTAL					#204 20 E	E 040/
62 63	HVAC SYSTEMS SUBTOTAL					\$304,395	5.01%
	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	ELECTRICAL CYCTEMS CURTOTAL					# 000 750	40 400/
71 72	ELECTRICAL SYSTEMS SUBTOTAL					\$636,753	10.48%
	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							4 000/
79 80	SECURITY SYSTEMS SUBTOTAL					\$111,176	1.83%
	8.0 OTHER						
82	olo o men						
83	OTHER SUBTOTAL					\$0	0.00%
84	O O FURNITURE & FOURMENT						
	9.0 FURNITURE & EQUIPMENT	4	4	4	\$50,000,00	\$50,000	0.000/
86 87	Classroom furniture (desks, chairs, tables) Food Service Equipment (walk-in, warmer, serving line)	1	1	1 1	\$50,000.00 \$150,000.00	\$52,000 \$156,000	0.86% 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	40.0 TECHNOLOGY						
93 94	10.0 TECHNOLOGY Technology Infrastructure	1	105	105	\$200.00	¢21 040	0.360/
94 95	Technology Infrastructure Replace PA System	1	105	105	\$200.00	\$21,840 \$46,800	0.36% 0.77%
96	Instructional Equipment - Interactive Classroom	1	65	65	\$600.00	\$40,560	0.77%
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	TECHNOLOGI GOBIOTAL					ΨU-10,00 1	5.55/
108	Building Infrastructure Improvement Total:			170,750	\$28.29	\$4,830,323	79.539
109	Project Contingency:	10.00%	Of Build	ing & Site Bud		\$403,992	6.65%
110	G.C. (permits, testing & printing):	2.50%		ing & Site Bud	•	\$111,098	1.83%
	Construction Manager Fee and Costs:	7.00%	Of Build	ing & Site Bud	get & Continger	\$318,851	5.25%
111							
11 12 _	Design/Consultant Fees & Costs:	8.00%	Of Build	ing & Site Bud	get & Continger	\$409,461	6.749

Summary of Costs ASHER ALTERNATIVE HIGH



				Cost Data			
			•	tion Factor =	1.00	(Medium)	
		(· ·	phic Factor =	1.00 1.04	(US Median) Summer 2016	
		,	JOST ESCAIA	allon r dolor =	1.04	Curimer 2010	
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 2	1.0 SITE						
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 8	Replace Exterior Concrete (slabs/stoops)	1,000	1	1,000	\$8.00	\$8,320	0.36%
9	Add fencing - add for pre-school	1	200	200	\$10.00	\$2,080	0.09%
10	Improve site drainage - perimeter of building	1	1	1	\$15,000.00	\$15,600	0.68%
11	Improve Storm System - catch basins	1	1	1	\$5,000.00	\$5,200	0.23%
12	•						
13	SITE SUBTOTAL					\$366,600	16.05%
14 15	2.0 BUILDING ENVELOPE						
16	Z.O BOILDING LIVELOI L						
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	Replace single parie willdows	4,000	'	4,000	φ33.00	φ274,300	12.02/0
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	<u> </u>						
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	Finishee						
35 36	Finishes 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	\$4.00 \$4.50	\$23,400	1.02%
38	respined states of the states and states are states and states are states and states are states and states are states are states and states are	0,000	·	0,000	\$ 55	Ψ20, .00	110270
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	. 133 ISSIGNOT VALVOS SIT GOTTOSHO WATER INTO	'	7	7	Ψ2,000.00	ψ0,020	0.0070
44	PLUMBING SYSTEMS SUBTOTAL					\$8,320	0.36%

Summary of Costs ASHER ALTERNATIVE HIGH



HVAC SYSTEMS SUBTOTAL	\$) Cost (\$)	As % of Total
Line	Program nit Area \$) Cost (\$)	
Access Control System (Prox Card Readers)	0.00 \$93.600	Cost
Replace valves to Vertical Unit Ventilator	0.00 \$93.600	
48		4.10%
HVAC SYSTEMS SUBTOTAL	200,000	1.1070
Signature HVAC SYSTEMS SUBTOTAL	1.00 \$39,862	2 1.75%
53 6.0 ELECTRICAL SYSTEMS	\$133,462	2 5.84%
Upgrade main electrical service		
Security Systems Subtotal Security Systems Subtotal Subjement - Computers (teacher)	0.00 \$62,400	2.73%
ST		
Adjustments to Fire Alarm System - portables 1 1 1 1 \$10,00 ELECTRICAL SYSTEMS SUBTOTAL	0.00 \$10,400	
Security Systems Subtotal Security Sec	. ,	
FLECTRICAL SYSTEMS SUBTOTAL	0.00 \$10,400	0.46%
Access Control System (Prox Card Readers)	\$291,200	12.75%
Access Control System (Prox Card Readers)		
64 Replace Surveillance System - Interior 1 12 12 \$1,10 65 Replace Surveillance System - Exterior 1 5 5 \$2,50 66 Replace Surveillance System - servers 1 1 1 \$17,00 67 SECURITY SYSTEMS SUBTOTAL 69 OTHER SUBTOTAL 71 n/a OTHER SUBTOTAL 9.0 FURNITURE & EQUIPMENT Classroom furniture (desks, chairs, tables) 1 1 1 \$10,00 FURNITURE & EQUIPMENT SUBTOTAL 10.0 TECHNOLOGY 81 Technology Infrastructure 1 44 44 \$20 82 Replace PA System 1 1 1 \$45,00 83 Instructional Equipment - Interactive Classroom 1 19 19 \$60 84 Instructional Equipment - Computers (teacher) 1 19 19 \$1,17 85 Instructional Equipment - Computers (carts) 1 2 2 \$11,00 86 Instructional Technology Equ	0.00 0.00	0.000/
Replace Surveillance System - Exterior		
Replace Surveillance System - servers		
SECURITY SYSTEMS SUBTOTAL Substitution Security Systems Substitution Substitu		
Section Sect	\$66,248	3 2.90%
71	Ψ00,240	2.3070
72 73		
OTHER SUBTOTAL		
Total Properties 1	\$0	0.00%
Classroom furniture (desks, chairs, tables)		
FURNITURE & EQUIPMENT SUBTOTAL	0.00 \$10,400	0.46%
10.0 TECHNOLOGY 1	φ10,100	0.1070
80 10.0 TECHNOLOGY 81 Technology Infrastructure 1 44 44 \$20 82 Replace PA System 1 1 1 \$45,00 83 Instructional Equipment - Interactive Classroom 1 19 19 \$60 84 Instructional Equipment - Computers (teacher) 1 19 19 \$1,17 85 Instructional Equipment - Computers (carts) 1 2 2 \$11,00 86 Instructional Equipment - Computers 1 60 60 \$35 87 Non-Instructional Technology Equipment 1 3 3 \$1,17	\$10,400	0.46%
81 Technology Infrastructure 1 44 44 \$20 82 Replace PA System 1 1 1 \$45,00 83 Instructional Equipment - Interactive Classroom 1 19 19 \$60 84 Instructional Equipment - Computers (teacher) 1 19 19 \$1,17 85 Instructional Equipment - Computers (carts) 1 2 2 \$11,00 86 Instructional Equipment - Computers 1 60 60 \$35 87 Non-Instructional Technology Equipment 1 3 3 \$1,17		
82 Replace PA System 1 1 1 \$45,00 83 Instructional Equipment - Interactive Classroom 1 19 19 \$60 84 Instructional Equipment - Computers (teacher) 1 19 19 \$1,17 85 Instructional Equipment - Computers (carts) 1 2 2 \$11,00 86 Instructional Equipment - Computers 1 60 60 \$35 87 Non-Instructional Technology Equipment 1 3 3 \$1,17	0.00 \$9,152	2 0.40%
84 Instructional Equipment - Computers (teacher) 1 19 19 \$1,17 85 Instructional Equipment - Computers (carts) 1 2 2 \$11,00 86 Instructional Equipment - Computers 1 60 60 \$35 87 Non-Instructional Technology Equipment 1 3 3 \$1,17	0.00 \$46,800	2.05%
85 Instructional Equipment - Computers (carts) 1 2 2 \$11,00 86 Instructional Equipment - Computers 1 60 60 \$35 87 Non-Instructional Technology Equipment 1 3 3 \$1,17	0.00 \$11,856	
86 Instructional Equipment - Computers 1 60 60 \$35 87 Non-Instructional Technology Equipment 1 3 3 \$1,17		
87 Non-Instructional Technology Equipment 1 3 3 \$1,17		
89 90 TECHNOLOGY SUBTOTAL	\$158,128	6.92%
91	Ψ100,120	0.3270
	6.73 \$1,791,089	78.44%
93 Project Contingency: 10.00% Of Building & Site Budget	\$162,256	
94 G.C. (permits, testing & printing): 2.50% Of Building & Site Budget	044 000	
95 Construction Manager Fee and Costs: 7.00% Of Building & Site Budget & Cont 96 Design/Consultant Fees & Costs: 8.00% Of Building & Site Budget & Cont	\$44,620	
97 PROJECT TOTAL	tingen \$128,061	7 100.00%

Summary of Costs BEACON DAY-GERISCH



		1.00 1.00	(Medium) (US Median)					
		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	45.000		45.000	#0.50	# =4.000	0.000/	
4 5	Replace Asphalt Parking Lot (Poor Condition) Modify parking lot - extend South lot at tennis courts	15,000 30,000	1 1	15,000 30,000	\$3.50 \$5.00	\$54,600 \$156,000	2.33% 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	Doofing Work							
18	Roofing Work Replace Roof (Area 1, built-up, installed 2001)	36,777	1	36,777	\$12.00	\$458,977	19.57%	
19	resplace reser (, troat 1, bank up, metallist 2501)	00,777	•	00,777	Ψ12.00	ψ 100,077	10.07 70	
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 24	Replace exterior entry alum doors/frames/hardware	1	12	12	\$3,500.00	\$43,680	1.86%	
25	BUILDING ENVELOPE SUBTOTAL					\$539,057	22.99%	
	26							
27 28	3.0 INTERIOR/FINISHES							
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		'	3	3	ψ10,000.00	ψ το,οοο	2.0070	
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 Replace corridor coilings (due to now MER/IT work)	2 000	4	2.000	#4.00	ድር ኃርላ	0.250/	
37 38	Replace corridor ceilings (due to new MEP/IT work) Replace classroom/corridor flooring (VCT/CPT)	2,000 10,000	1 1	2,000 10,000	\$4.00 \$4.50	\$8,320 \$46,800	0.35% 2.00%	
39	Replace diastrodiffication flooring (VOT/OFT)	10,000	'	10,000	ψ+.50	ψ-το,ουυ	2.0070	
40	INTERIOR/FINISHES SUBTOTAL					\$245,064	10.45%	
41	4 0 DI LIMBING SYSTEMS							
42 43	4.0 PLUMBING SYSTEMS Add isolation valves on domestic water lines	1	6	6	\$2,000.00	\$12,480	0.53%	
43	Add isolation valves on dolliestic water lifles	ı	υ	υ	φ∠,000.00	φ12,400	0.55%	
45	PLUMBING SYSTEMS SUBTOTAL					\$12,480	0.53%	

Summary of Costs BEACON DAY-GERISCH



		(Geogra	Cost Data ation Factor = phic Factor = ation Factor =	1.00 1.00 1.04	(Medium) (US Median) Summer 2016	
Line No.	Program Area	Area Required (in Sq. Ft.)	No. of Rms. / Units Required	Total Area (in Sq. Ft.)	Base Unit	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	TIVAC 3131EM3 30B101AE					\$343,344	14.04 /0
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 64	Expand Surveillance System	1	10	10	\$1,100.00	\$11,440	0.49%
65	SECURITY SYSTEMS SUBTOTAL					\$14,040	0.60%
66	0_00,000,000					4.1.,0.10	0.0070
67	8.0 OTHER						
68	n/a						
69	OTHER CURTOTAL					¢o.	0.000/
70 71	OTHER SUBTOTAL					\$0	0.00%
	9.0 FURNITURE & EQUIPMENT						
73	Classroom furniture (desks, chairs, tables)	1	1	1	\$10,000.00	\$10,400	0.44%
74	Classicsrammars (assits, shalls, tables)	•	•	·	ψ.ο,σσσ.σσ	ψ.ο,.οο	011170
75	FURNITURE & EQUIPMENT SUBTOTAL					\$10,400	0.44%
76							
77	10.0 TECHNOLOGY		.=-		00000	A	0.4==:
78	Technology Infrastructure	1	47	47	\$200.00	\$9,776	0.42%
79	Replace PA System	1	1	1	\$45,000.00	\$46,800 \$37,440	2.00%
80 81	Instructional Equipment - Interactive Classroom Instructional Equipment - Computers (teacher)	1	60 60	60 60	\$600.00 \$1.170.00	\$37,440 \$73,008	1.60% 3.11%
82	Instructional Equipment - Computers (teacher) Instructional Equipment - Computers (carts)	1	1	1	\$1,170.00 \$11,000.00	\$73,008 \$11,440	3.11% 0.49%
83	Instructional Equipment - Computers (carts) Instructional Equipment - Computers (media center)	1	10	10	\$350.00	\$11, 44 0 \$3,640	0.49%
84	Instructional Equipment - Computers (media center)	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	D. T. Control of the standard on the standard of T. C.			400 == 4	010.15	#4 055 77 :	70 / 10/
90	Building Infrastructure Improvement Total:	10.000/	Of Dealer	100,554	\$18.46	\$1,855,774	79.14%
91	Project Contingency:	10.00%		ing & Site Budg ing & Site Budg		\$161,211 \$44,333	6.87%
92 93	G.C. (permits, testing & printing): Construction Manager Fee and Costs:	2.50% 7.00%		ing & Site Budg ing & Site Budg		\$44,333 1 \$127,235	1.89% 5.43%
93	Design/Consultant Fees & Costs:	8.00%		ing & Site Budg			5.43% 6.67%
	PROJECT TOTAL	0.0070	C. Daila	g & C.to Dady	,		100.00%
30	I NOOLOT TOTAL					\$2,344,975	100.00%