



VI-B

**STATE COLLEGE AREA SCHOOL DISTRICT  
BOARD of SCHOOL DIRECTORS**

131 WEST NITTANY AVENUE • STATE COLLEGE PENNSYLVANIA • 16801-4899  
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TO: Board of Directors  
FROM: Jim Pawelczyk, Chair of Board CCL Subcommittee  
DATE: July 18, 2013  
RE: Final version – Concept evaluation matrix

As you will recall, CCL was charged with working with the board's advisory groups to refine the evaluation matrix for high school concepts. Ultimately, 55 criteria were developed, grouped into the following six categories:

1. Safety & Security (10 criteria)
2. Educational Model (12 criteria)
3. Site & Location (13 criteria)
4. Cost (6 criteria)
5. Construction (7 criteria)
6. Environment & Sustainability (7 criteria)

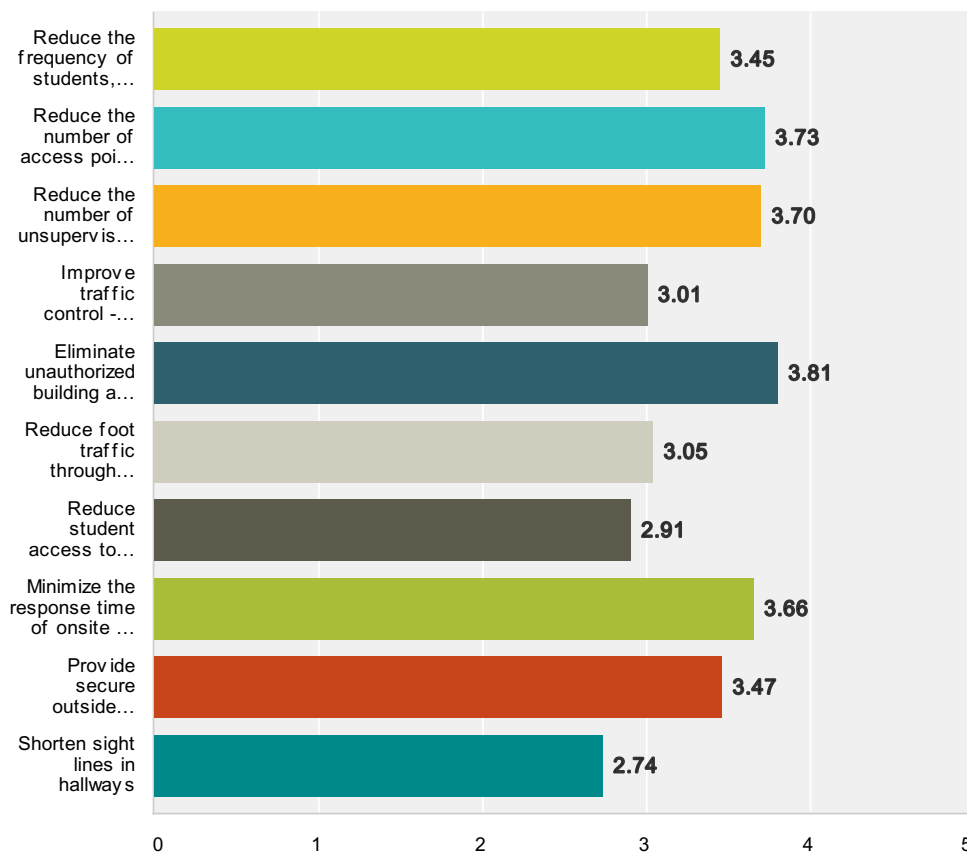
Board members have completed their own weighting of each category. Meanwhile, our Community Advisory Committees and Community Engagement Action Team were asked to weight each criterion within a category. This task was completed via SurveyMonkey from June 28-July 12. The results are attached. 88 responses were received from 137 advisory group members; a 64% response rate.

The criteria weights have been added to the evaluation matrix. A final draft is attached. Please review the matrix and familiarize yourself with the scoring procedure. If there are any questions about the meaning of a criterion then a CCL member should be able to help you.

Most importantly, if you feel there are criteria that you cannot score because you need additional information, please relay your requests to board leadership no later than July 29 so that the design team can provide this information at the August 12 board meeting.

### Q1 Please rate the importance of each of the following

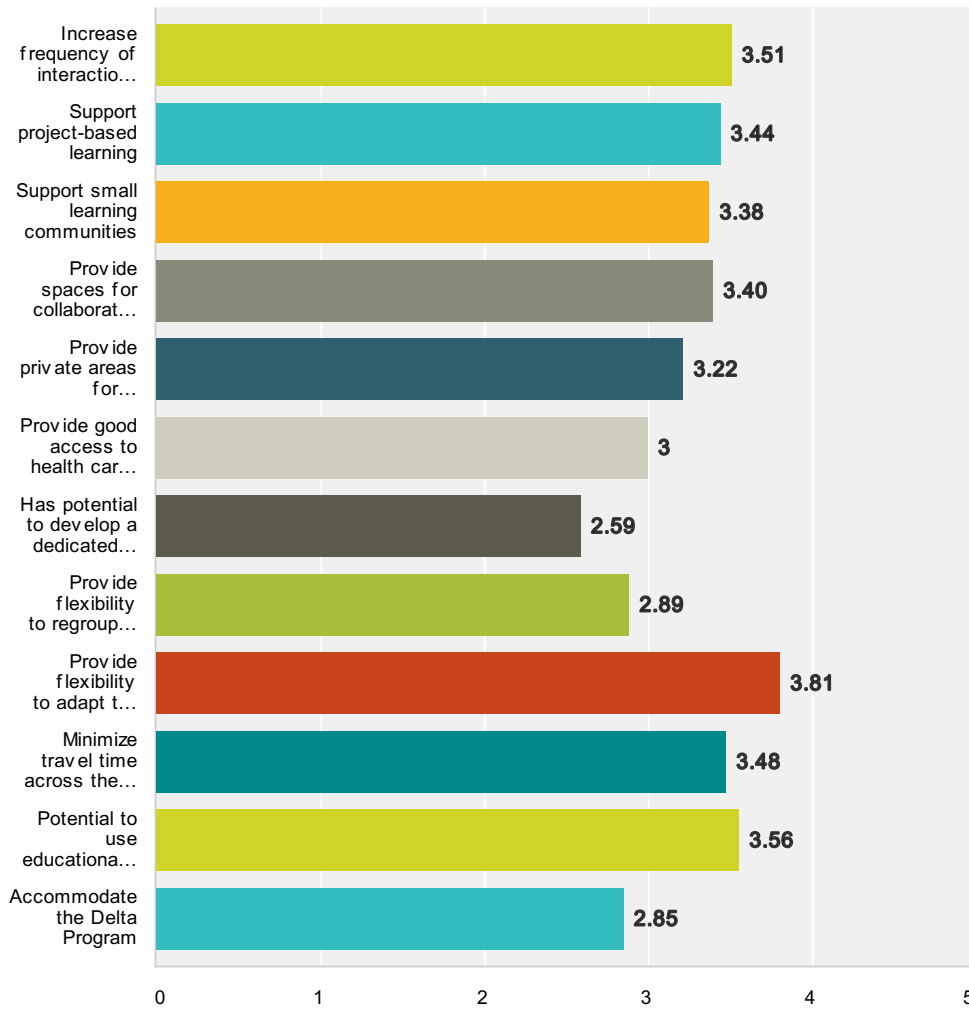
Answered: 88 Skipped: 0



	Not at all important	Somewhat important	Important	Very important	Extremely important	Total
Reduce the frequency of students, staff and faculty crossing a major thoroughfare	5.68% 5	21.59% 19	25% 22	17.05% 15	30.68% 27	88
Reduce the number of access points to building(s)	4.55% 4	13.64% 12	15.91% 14	36.36% 32	29.55% 26	88
Reduce the number of unsupervised areas	3.41% 3	11.36% 10	25% 22	31.82% 28	28.41% 25	88
Improve traffic control - eliminate mixing of car and bus traffic	9.09% 8	26.14% 23	28.41% 25	27.27% 24	9.09% 8	88
Eliminate unauthorized building and campus access	4.55% 4	14.77% 13	13.64% 12	29.55% 26	37.50% 33	88
Reduce foot traffic through parking lots during the school day	11.36% 10	28.41% 25	22.73% 20	19.32% 17	18.18% 16	88
Reduce student access to vehicles during the school day	17.05% 15	26.14% 23	17.05% 15	28.41% 25	11.36% 10	88
Minimize the response time of onsite and offsite security professionals	4.55% 4	13.64% 12	26.14% 23	22.73% 20	32.95% 29	88
Provide secure outside spaces (eating, playing, learning)	11.36% 10	11.36% 10	19.32% 17	35.23% 31	22.73% 20	88
Shorten sight lines in hallways	17.05% 15	23.86% 21	30.68% 27	25% 22	3.41% 3	88

**Q2 Please rate the importance of each of the following**

Answered: 88 Skipped: 0



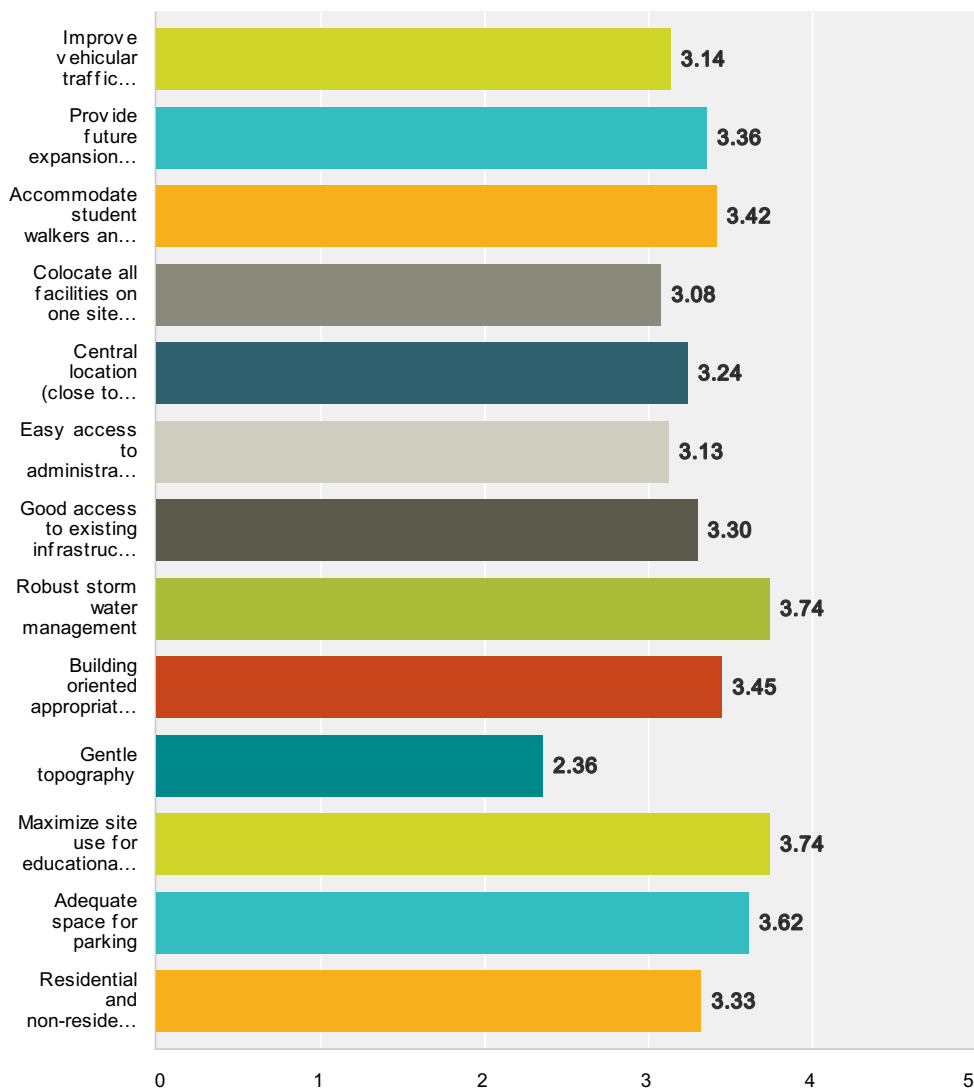
	Not at all important	Somewhat important	Important	Very important	Extremely important	Total
Increase frequency of interactions between small groups of students, teachers, and staff	6.82% 6	11.36% 10	29.55% 26	28.41% 25	23.86% 21	88
Support project-based learning	4.55% 4	13.64% 12	32.95% 29	30.68% 27	18.18% 16	88
Support small learning communities	4.55% 4	21.59% 19	27.27% 24	25% 22	21.59% 19	88
Provide spaces for collaboration in small groups	4.55% 4	19.32% 17	29.55% 26	25% 22	21.59% 19	88
Provide private areas for confidential meetings	7.95% 7	18.18% 16	31.82% 28	28.41% 25	13.64% 12	88
Provide good access to health care providers who deliver on-site support services for students	5.68% 5	31.82% 28	28.41% 25	25% 22	9.09% 8	88
Has potential to develop a dedicated Community Education Center	20.45% 18	29.55% 26	26.14% 23	18.18% 16	5.68% 5	88
Provide flexibility to regroup students within the day	9.09% 8	23.86% 21	40.91% 36	21.59% 19	4.55% 4	88
Provide flexibility to adapt the educational model over years	3.41% 3	9.09% 8	27.27% 24	23.86% 21	36.36% 32	88

## SCASD Concepts - V4

<b>Minimize travel time across the campus and/or between the building(s) (compactness)</b>	<b>7.95%</b> 7	<b>10.23%</b> 9	<b>30.68%</b> 27	<b>28.41%</b> 25	<b>22.73%</b> 20	88
<b>Potential to use educational spaces beyond the regular school day</b>	<b>4.55%</b> 4	<b>12.50%</b> 11	<b>25%</b> 22	<b>38.64%</b> 34	<b>19.32%</b> 17	88
<b>Accommodate the Delta Program</b>	<b>18.18%</b> 16	<b>23.86%</b> 21	<b>25%</b> 22	<b>20.45%</b> 18	<b>12.50%</b> 11	88

### Q3 Please rate the importance of each of the following

Answered: 86 Skipped: 2



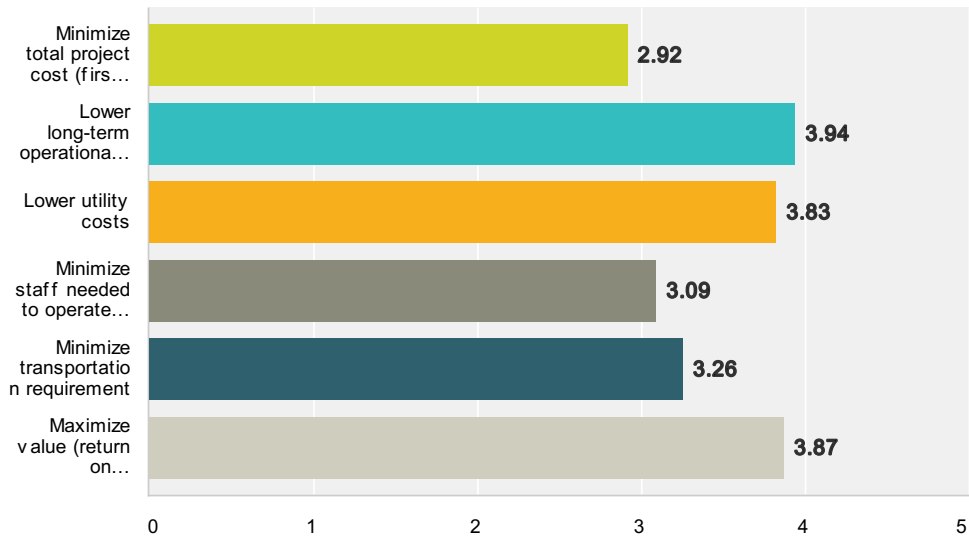
	Not at all important	Somewhat important	Important	Very important	Extremely important	Total
Improve vehicular traffic controls and accommodations for parent pick up and drop off	5.81% 5	22.09% 19	34.88% 30	26.74% 23	10.47% 9	86
Provide future expansion capability for the building(s) and site (extra- and co-curricular facilities)	5.81% 5	16.28% 14	33.72% 29	24.42% 21	19.77% 17	86
Accommodate student walkers and bikers	5.81% 5	11.63% 10	38.37% 33	23.26% 20	20.93% 18	86
Colocate all facilities on one site (academic buildings, playing fields, etc.)	11.63% 10	33.72% 29	15.12% 13	13.95% 12	25.58% 22	86
Central location (close to other community resources)	6.98% 6	18.60% 16	37.21% 32	17.44% 15	19.77% 17	86
Easy access to administration and resource teams (e.g., health professionals, student assistance program, social services)	3.49% 3	25.58% 22	33.72% 29	29.07% 25	8.14% 7	86
Good access to existing infrastructure (utilities, roads)	8.14% 7	10.47% 9	37.21% 32	31.40% 27	12.79% 11	86
Robust storm water management	3.49% 3	5.81% 5	31.40% 27	31.40% 27	27.91% 24	86

# SCASD Concepts - V4

<b>Building oriented appropriately for day-lighting</b>	<b>4.65%</b> 4	<b>17.44%</b> 15	<b>26.74%</b> 23	<b>30.23%</b> 26	<b>20.93%</b> 18	86
<b>Gentle topography</b>	<b>23.26%</b> 20	<b>29.07%</b> 25	<b>38.37%</b> 33	<b>6.98%</b> 6	<b>2.33%</b> 2	86
<b>Maximize site use for educational functions</b>	<b>2.33%</b> 2	<b>8.14%</b> 7	<b>25.58%</b> 22	<b>40.70%</b> 35	<b>23.26%</b> 20	86
<b>Adequate space for parking</b>	<b>4.65%</b> 4	<b>8.14%</b> 7	<b>31.40%</b> 27	<b>32.56%</b> 28	<b>23.26%</b> 20	86
<b>Residential and non-residential development patterns around the site are conducive to a school</b>	<b>5.81%</b> 5	<b>15.12%</b> 13	<b>32.56%</b> 28	<b>33.72%</b> 29	<b>12.79%</b> 11	86

### Q4 Please rate the importance of each of the following

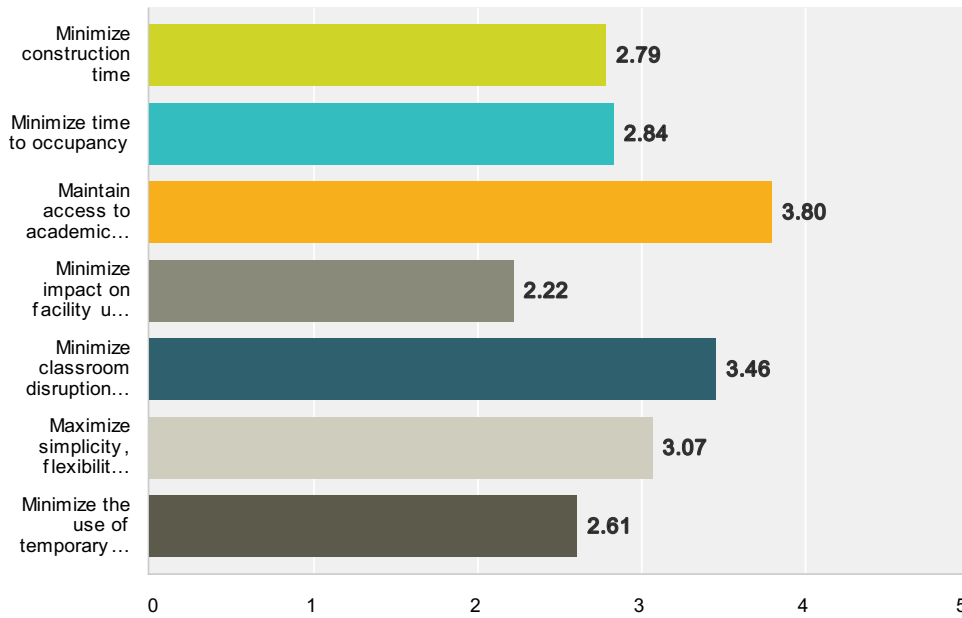
Answered: 86 Skipped: 2



	Not at all important	Somewhat important	Important	Very important	Extremely important	Total
<b>Minimize total project cost (first cost)</b>	8.14% 7	29.07% 25	36.05% 31	16.28% 14	10.47% 9	86
<b>Lower long-term operational and maintenance costs</b>	2.33% 2	4.65% 4	20.93% 18	40.70% 35	31.40% 27	86
<b>Lower utility costs</b>	1.16% 1	5.81% 5	27.91% 24	39.53% 34	25.58% 22	86
<b>Minimize staff needed to operate the school without compromising the educational model</b>	12.79% 11	20.93% 18	24.42% 21	27.91% 24	13.95% 12	86
<b>Minimize transportation requirement</b>	4.65% 4	22.09% 19	32.56% 28	24.42% 21	16.28% 14	86
<b>Maximize value (return on investment)</b>	1.16% 1	9.30% 8	25.58% 22	29.07% 25	34.88% 30	86

### Q5 Please rate the importance of each of the following

Answered: 85 Skipped: 3

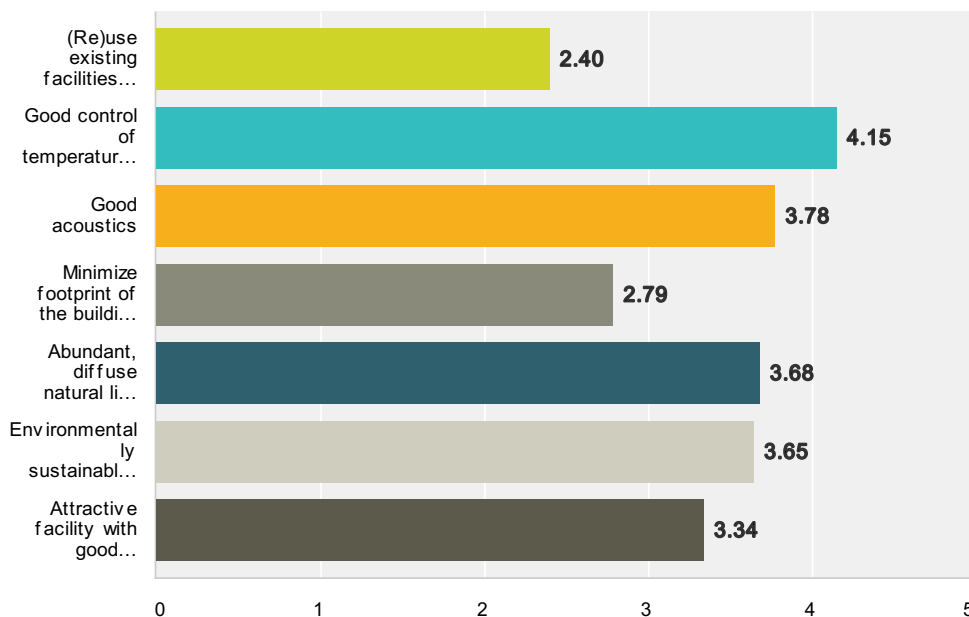


	Not at all important	Somewhat important	Important	Very important	Extremely important	Total
<b>Minimize construction time</b>	9.41% 8	35.29% 30	30.59% 26	16.47% 14	8.24% 7	85
<b>Minimize time to occupancy</b>	10.59% 9	32.94% 28	30.59% 26	14.12% 12	11.76% 10	85
<b>Maintain access to academic opportunities, support programs, extra-curricular opportunities, etc. during construction</b>	3.53% 3	4.71% 4	29.41% 25	32.94% 28	29.41% 25	85
<b>Minimize impact on facility use in the evenings and summer months</b>	32.94% 28	35.29% 30	12.94% 11	14.12% 12	4.71% 4	85
<b>Minimize classroom disruption and relocation during construction phasing</b>	5.88% 5	16.47% 14	28.24% 24	24.71% 21	24.71% 21	85
<b>Maximize simplicity, flexibility, and ease of construction</b>	9.41% 8	23.53% 20	34.12% 29	16.47% 14	16.47% 14	85
<b>Minimize the use of temporary buildings ("modulars")</b>	24.71% 21	29.41% 25	16.47% 14	18.82% 16	10.59% 9	85



**Q6 Please rate the importance of each of the following**

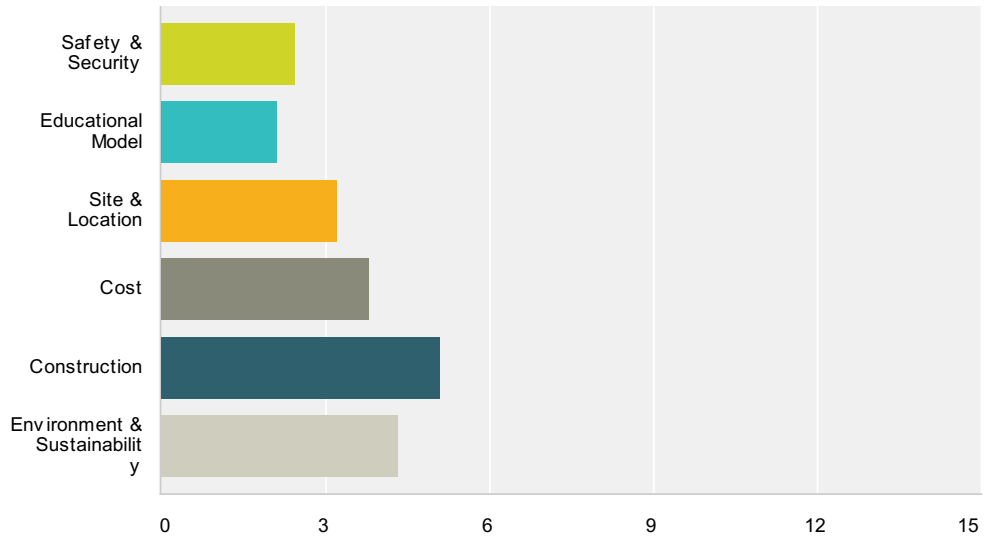
Answered: 85 Skipped: 3



	Not at all important	Somewhat important	Important	Very important	Extremely important	Total	Average Rating
<b>(Re)use existing facilities and infrastructure</b>	28.24% 24	30.59% 26	21.18% 18	12.94% 11	7.06% 6	85	2.40
<b>Good control of temperature and air quality</b>	1.18% 1	0% 0	20% 17	40% 34	38.82% 33	85	4.15
<b>Good acoustics</b>	2.35% 2	4.71% 4	30.59% 26	37.65% 32	24.71% 21	85	3.78
<b>Minimize footprint of the building (minimize impervious area)</b>	12.94% 11	28.24% 24	32.94% 28	18.82% 16	7.06% 6	85	2.79
<b>Abundant, diffuse natural light in all learning spaces</b>	2.35% 2	12.94% 11	24.71% 21	34.12% 29	25.88% 22	85	3.68
<b>Environmentally sustainable (minimizes use of natural resources)</b>	2.35% 2	14.12% 12	22.35% 19	38.82% 33	22.35% 19	85	3.65
<b>Attractive facility with good aesthetics</b>	10.59% 9	11.76% 10	27.06% 23	34.12% 29	16.47% 14	85	3.34

**Q7 Relative to the high school construction project, please rank the importance of each of the six evaluation categories:**

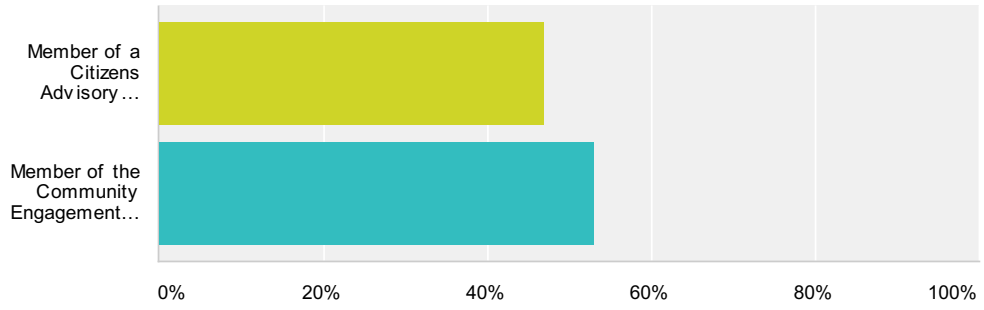
Answered: 83 Skipped: 5



	First (highest)	Second	Third	Fourth	Fifth	Sixth (lowest)	Total	Average Rating
<b>Safety &amp; Security</b>	28.92% 24	32.53% 27	16.87% 14	12.05% 10	6.02% 5	3.61% 3	83	2.45
<b>Educational Model</b>	46.99% 39	20.48% 17	16.87% 14	7.23% 6	6.02% 5	2.41% 2	83	2.12
<b>Site &amp; Location</b>	13.25% 11	24.10% 20	21.69% 18	19.28% 16	12.05% 10	9.64% 8	83	3.22
<b>Cost</b>	10.84% 9	10.84% 9	16.87% 14	31.33% 26	9.64% 8	20.48% 17	83	3.80
<b>Construction</b>	0% 0	0% 0	7.23% 6	12.05% 10	44.58% 37	36.14% 30	83	5.10
<b>Environment &amp; Sustainability</b>	0% 0	12.05% 10	20.48% 17	18.07% 15	21.69% 18	27.71% 23	83	4.33

**Q8 Which of the following best describes you? (Please choose only one)**

Answered: 83 Skipped: 5



Answer Choices	Responses
<b>Member of a Citizens Advisory Committee (CAC)</b>	<b>46.99%</b> 39
<b>Member of the Community Engagement Action Team</b>	<b>53.01%</b> 44
Total	83

Concept	Board Member				
<b>Notes</b>	1. The sheet comes preloaded with criterion weights. Use a new sheet for each concept being evaluated.				
	2. Board members add their category weights as a percentage (1-100) in the green-shaded cells				
	3. Board members enter their scores for each criterion in the yellow-shaded cells				
	4. Criterion-weighted scores are the product of the criterion score and the criterion weight.				
	5. The category total is the sum of the criterion weighted scores				
	6. The category-weighted total is the product of the category total and the category weight				
	7. The overall score is the sum of the category-weighted totals.				
	8. 4-7 are calculated automatically. Board members report their overall score (1-100) for each concept.				
			<b>Criterion Score:</b>	<b>Criterion Weight</b>	<b>Criterion Weighted Score</b>
	<b>Criteria</b>	<b>Category Weight</b>	1=low 5=high	1=unimportant 5=extremely important	
<b>A - Safety &amp; Security</b>					
A1	Reduce the frequency of students, staff and faculty crossing a major thoroughfare			3.5	0.0
A2	Reduce the number of access points to building(s)			3.7	0.0
A3	Reduce the number of unsupervised areas			3.7	0.0
A4	Improve traffic control - eliminate mixing of car and bus traffic			3.0	0.0
A5	Eliminate unauthorized building and campus access			3.8	0.0
A6	Reduce foot traffic through parking lots during the school day			3.1	0.0
A7	Reduce student access to vehicles during the school day			2.9	0.0
A8	Minimize the response time of onsite and offsite security professionals			3.7	0.0
A9	Provide secure outside spaces (eating, playing, learning)			3.5	0.0
A10	Shorten sight lines in hallways			2.7	0.0
				<b>CATEGORY TOTAL</b>	0.0
				<b>CATEGORY WEIGHTED TOTAL</b>	0.0
<b>B - Educational Model</b>					
B1	Increase frequency of interactions between small groups of students, teachers, and staff			3.5	0.0
B2	Support project-based learning			3.4	0.0
B3	Support small learning communities			3.4	0.0
B4	Provide spaces for collaboration in small groups			3.4	0.0
B5	Provide private areas for confidential meetings			3.2	0.0
B6	Provide good access to health care providers who deliver on-site support services for students			3.0	0.0
B7	Has potential to develop a dedicated Community Education Center			2.6	0.0
B8	Provide flexibility to regroup students within the day			2.9	0.0
B9	Provide flexibility to adapt the educational model over years			3.8	0.0
B10	Minimize travel time across the campus and/or between the building(s) (compactness)			3.5	0.0
B11	Potential to use educational spaces beyond the regular school day			3.6	0.0
B12	Accommodate the Delta Program			2.9	0.0
				<b>CATEGORY TOTAL</b>	0.0
				<b>CATEGORY WEIGHTED TOTAL</b>	0.0
<b>C - Site &amp; Location</b>					
C1	Improve vehicular traffic controls and accommodations for parent pick up and drop off			3.1	0.0
C2	Provide future expansion capability for the building(s) and site (extra- and co-curricular facilities)			3.4	0.0
C3	Accommodate student walkers and bikers			3.4	0.0
C4	Colocate all facilities on one site (academic buildings, playing fields, etc.)			3.1	0.0
C5	Central location			3.2	0.0
C6	Easy access to administration and resource teams (e.g., health professionals, student assistance program, social services)			3.1	0.0
C7	Good access to existing infrastructure (utilities, roads)			3.3	0.0
C8	Robust storm water management			3.7	0.0
C9	Building oriented appropriately for day-lighting			3.5	0.0
C10	Gentle topography			2.4	0.0
C11	Maximize site use for educational functions			3.7	0.0
C12	Adequate space for parking			3.6	0.0
C13	Residential and non-residential development patterns around the site are conducive to a school			3.3	0.0
				<b>CATEGORY TOTAL</b>	0.0
				<b>CATEGORY WEIGHTED TOTAL</b>	0.0
<b>D - Cost</b>					
D1	Minimize total project cost (first cost)			2.9	0.0
D2	Lower long-term operational and maintenance costs			3.9	0.0
D3	Lower utility costs			3.8	0.0
D4	Minimize staff needed to operate the school without compromising the educational model			3.1	0.0
D5	Minimize transportation requirement			3.3	0.0
D6	Maximize value (return on investment)			3.9	0.0
				<b>CATEGORY TOTAL</b>	0.0
				<b>CATEGORY WEIGHTED TOTAL</b>	0.0

	Criteria	Category Weight	Criterion Score:		Criterion Weighted Score
			1=low 5=high	1=unimportant 5=extremely important	
<b>E - Constructability</b>					
E1	Minimize construction time			2.8	0.0
E2	Minimize time to occupancy			2.8	0.0
E3	Maintain access to academic opportunities, support programs, extra-curricular opportunities, etc. during construction			3.8	0.0
E4	Minimize impact on facility use in the evenings and summer months			2.2	0.0
E5	Minimize classroom disruption and relocation during construction phasing			3.5	0.0
E6	Maximize simplicity, flexibility, and ease of construction			3.1	0.0
E7	Minimize the use of temporary buildings ("modulars")			2.6	0.0
			<b>CATEGORY TOTAL</b>		0.0
			<b>CATEGORY WEIGHTED TOTAL</b>		0.0
<b>F - Sustainability &amp; Environment</b>					
F1	(Re)use of existing facilities and infrastructure			2.4	0.0
F2	Good control of temperature and air quality			4.2	0.0
F3	Good acoustics			3.8	0.0
F4	Minimize footprint of the building (minimize impervious area)			2.8	0.0
F5	Abundant, diffuse natural light in all learning spaces			3.7	0.0
F6	Environmentally sustainable (minimizes use of natural resources)			3.7	0.0
F7	Attractive facility with good aesthetics			3.3	0.0
			<b>CATEGORY TOTAL</b>		0.0
			<b>CATEGORY WEIGHTED TOTAL</b>		0.0
			<b>SUM OF CATEGORY WEIGHTS</b>		0.0
			<b>OVERALL TOTAL :</b>		0.0