

Department of General Services  
Office of Public School Construction

**NEW CONSTRUCTION GRANT  
ADJUSTMENT REPORT**

November 4, 2009



*Office of* Public School Construction  
STAFF TO THE STATE ALLOCATION BOARD



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## Executive Summary

The School Facility Program new construction funding model includes per-pupil grants – used for general design and construction costs – and supplemental grants for specific costs such as site development, site acquisition, and other project features. The program is formula-driven and takes a “one-size-fits-all” approach to school facility funding that delivers similar dollars to disparate projects. Districts must match State funding but the State is not required to deliver a given percentage of funding to any project.<sup>1</sup>

The State Allocation Board annually increases pupil grants according to a construction cost index. Assembly Bill 127<sup>2</sup> increased grants in July 2006 and authorized the Board to adjust grants – up or down – based on a study of costs and funding. The Board exercised this authority in 2008 – increasing grants by the maximum six percent. Collectively, the pupil grant has increased by 80 percent for elementary and middle school grants and 75 percent for high school grants since 1998. The increase has been dramatic since 2004 – with elementary and middle school pupil grants increasing by 55 percent and high school pupil grants increasing by 50 percent in that time.

Prior efforts to examine school facility funding and project costs have been challenged due to a lack of data. The Office of Public School Construction is overcoming that hurdle through systematic data collection.

The sample for this study consists of 166 projects representative of the projects funded through the School Facility Program. Projects in the study range from the addition of one portable classroom of 960 square feet to a permanent construction new school exceeding 300,000 square feet. The study projects contain 3,331 structures with nearly 5.5 million square feet – ranging in cost from \$99 per square foot to greater than \$950 per square foot. The projects are located in 26 counties with a State contribution ranging from \$53 per square foot to \$379 and a total contribution of nearly \$1.3 billion.

This analysis combines all State funding – less site acquisition – to derive total State construction funding. These figures convert into funding and cost per square foot for the projects in the study sample.

Identifying the costs of projects has not been complicated – the difficulty lies in the key findings of this analysis. Those findings include the dramatic impact of local choices on project cost, districts seeking less funding than projects can justify, and the potential mismatch of an unclear funding model with construction practices.

Local choices dramatically affect project cost. Districts determine the design and building components in construction projects including the size, construction type, and quality. Consequently, architectural features and costs vary greatly from one project to another.

Ninety-eight of the 166 study projects sought less funding than the project could justify – leaving approximately \$65.3 million to \$90.8 million “on the table.” This unsought money is 6.6 to 9.2 percent of the overall construction funding for study projects.

The funding model is unclear and it appears to apply unstated assumptions that may not match school construction practices. The lack of objective funding standards – square footage per pupil, construction type, components, etc. – coupled with the impact of local choices and artificially reduced State funding compromises the ability to judge the adequacy of State funding.

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<sup>1</sup> Education Code Section 17072.30(a).

<sup>2</sup> Chapter 35, Statutes of 2006 (Perata/Nunez).

## Background, Scope, and Methodology

Assembly Bill 127 authorizes the State Allocation Board to increase or decrease the School Facility Program new construction pupil grants, as necessary, based on an analysis of the relationship between the new construction grant amounts and the actual cost of new construction. In July 2006, Assembly Bill 127 provided for a one-time increase of seven percent for elementary and middle school pupil grants and four percent for high school pupil grants. The Board authorized a second increase of six percent for elementary, middle, and high school pupil grants pursuant to Assembly Bill 127 in 2008.

In addition to the Assembly Bill 127 increases, statute<sup>3</sup> requires an annual grant adjustment based on a class B construction cost index. This index adjustment has occurred every year since 1999. Collectively, the adjustments have increased funding for projects by 80 percent for elementary and middle school grants and 75 percent for high school grants since 1998.

The Board approved the Project Information Worksheet in September 2007, enabling the collection of the richest dataset on public school construction costs in California's history. School districts now report on all State-funded new construction projects. The dataset includes summary information on project expenditures and facility components – including facility square footage.

### *Scope*

The scope of this report is to assist the State Allocation Board in determining a possible adjustment to the new construction pupil grants by examining:

- The amount of State funding provided to new construction projects
- The costs of new construction projects

### *Methodology*

The Office of Public School Construction developed and vetted the study methodology through three Implementation Committee meetings. An additional consultation was held with Dr. Jeffrey Vincent of the Center for Cities and Schools at the University of California-Berkeley.

This analysis examines the scope, the funding allocations, and the reported costs of new construction projects funded on or after July 2006 for the following project types:

- Grade level: elementary (K-6), middle (7-8), and high school (9-12)
- Classroom construction type: permanent, portable, and modular
- Site type: new school sites and additions to existing school sites

Appendices D and E outline the methodology used for determining the projects used in the analysis and data validation measures.

In addition, the study analyzes the large variation in the scope of new construction projects. Projects range from the addition of one portable classroom of 960 square feet to the construction of a complete permanent construction new school exceeding 300,000 square feet. The analysis also includes factors for consideration when interpreting this study and the School Facility Program new construction grant structure.

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<sup>3</sup> Education Code Section 17072.10(b)

# School Facility Program Funding Model

The School Facility Program new construction funding model is formula-driven and takes a “one-size-fits-all” approach to school facility funding that delivers similar dollars to disparate projects. The statutory framework of the School Facility Program requires districts to match at least the State apportionment.<sup>4</sup> The State funds plus the district’s matching share must be used for “any and all costs necessary to adequately house new pupils.”<sup>5</sup> Fundamental program components include eligibility, a per-pupil grant, and supplemental grants for specific costs such as site development, property acquisition, and other project features.

This analysis combines all State funding – less site acquisition – to derive total State construction funding. These figures are converted into funding and cost per square foot for the projects in the study sample.

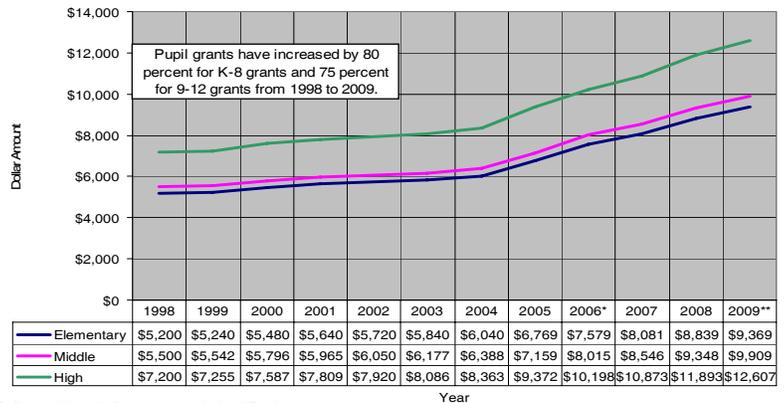
## Eligibility

Eligibility is an essential element of the School Facility Program. Eligibility is the gap between a district’s projected enrollment and its classroom capacity. The State’s loading standard, or classroom capacity, is 25 pupils for grades K-6 and 27 pupils per classroom for grades 7-12. For example, if a district has a projected enrollment of 500 elementary pupils, but only has capacity for 400 students, the district would have positive eligibility of 100 pupils or a need for four classrooms. Eligibility translates directly to pupil grants. In this case, the district could apply for 100 pupil grants plus supplemental funding to house these unhoused students. Eligibility is a district asset and a State liability.

## Pupil Grant

The pupil grant is a composite dollar figure that provides the State’s share for project costs including design, plan approval, construction, educational technology, unconventional energy, change orders, tests, inspections, and furniture and equipment. Combined with supplemental grants, it is meant to cover the costs of building classrooms and core school facilities. The classrooms in a project drive the number of pupil grants available to a project. There are five categories of pupil grants – elementary (K-6), middle (7-8), high (9-12), Special Day Class Non-Severe, and Special Day Class Severe – at specific dollar amounts. The projects in this study received more than \$629 million – or more than 63 percent of State construction funding – from pupil grants.

## Pupil Grant Adjustments



\*Reflects July 1 Adjustment made by AB 127

\*\*Reflects only CCI adjustment

**Figure 1 – Grant Adjustments 1998-2009**

<sup>4</sup> Education Code Section 17072.30(a)

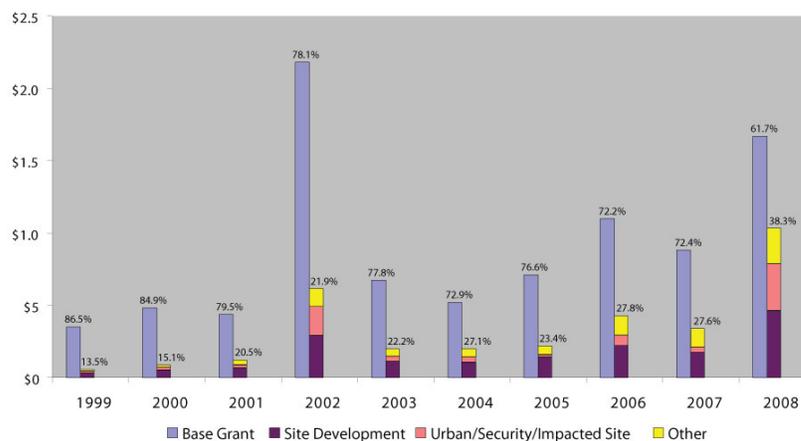
<sup>5</sup> Education Code Section 17072.35

## Pupil Grant Adjustments (cont.)

The State Allocation Board adjusts the pupil grants by a construction cost index every January.<sup>6</sup> Assembly Bill 127 provided for a one-time increase in July 2006 of seven percent for elementary and middle school grants and four percent for high school grants. Assembly Bill 127 also authorizes the State Allocation Board to increase or decrease the new construction pupil grants for elementary, middle, and high school pupils based on an analysis of the current costs to build a school. In June 2008, the Board increased the pupil grants by the maximum six percent authorized by Assembly Bill 127. All of these increases are cumulative and compound one another. Collectively, the pupil grant has increased by 80 percent for elementary and middle school grants and 75 percent for high school grants since 1998. The increase has been dramatic since 2004 – with elementary and middle school grants increasing by 55 percent and high school grants increasing by 50 percent in that time. The figure on the preceding page shows the adjustments from the inception of the School Facility Program to 2009.

The Assembly Bill 127 adjustments excluded Special Day Class Non-Severe, and Special Day Class Severe grants. Recently enacted legislation remedies this oversight effective January 1, 2010.<sup>7</sup>

## Supplemental Grants



**Figure 2 – Pupil and Supplemental Grants**

Supplemental grants augment pupil grant funding. The table above illustrates the dollar value and relative significance of the various supplemental grants for the projects in this study, excluding site acquisition funding. Funding provided by supplemental grants has nearly tripled since the program’s inception. In 1999, supplemental grants represented 13.5 percent of all funds apportioned, excluding site acquisition. In 2008, supplemental grants represented 38.3 percent of funding. The projects in this study received more than \$359 million – or 36 percent of State construction funding – from supplemental grants. Appendices F and G provide detailed information on supplemental grants, including criteria for qualifying and the allocations for each year.

<sup>6</sup> Education Code Section 17072.10(b) dictates the use of a “Class B” construction cost index for the grant adjustment. The Board uses a Marshall & Swift Construction Cost Index.

<sup>7</sup> Senate Bill 334 (Ducheny).

## *Dependent and Independent Supplemental Grants*

Several supplemental grants are “pupil grant dependent.” Adjustments to the pupil grant affect the value of these grants. These dependent grants include general site development, geographic percent factor, multi-level construction, high performance incentive grant, small size project, urban/security/impacted site, new school allowance, energy efficiency, and labor compliance.

Fully 83 percent of the non-site acquisition grants provided to projects in this study – including the pupil grants – are indexed to the pupil grant and would change with any pupil grant adjustment.

Other supplemental grants are “pupil grant independent.” These independent grants include site development (service site, off-site, and utility), fire detection alarm, fire sprinkler, special education therapy, and project assistance.

The table below illustrates the funding allocated to the 166 projects in the study. Site acquisition funding is included for reference.

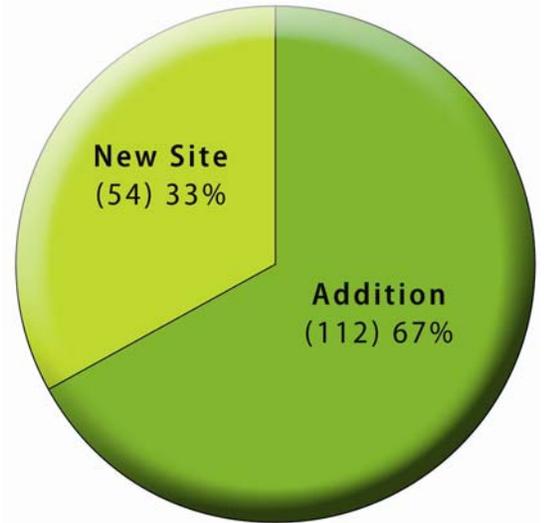
	Dollars	Percentage
Pupil Grants	\$629,152,526	49.29%
Urban/Security/Impacted Site	\$107,891,068	8.45%
General Site Development	\$36,563,870	2.86%
Multi-Level Construction	\$33,894,721	2.66%
Labor Compliance Program	\$4,390,291	0.34%
High Performance Incentive Grants	\$4,091,827	0.32%
Small Size Project	\$2,857,735	0.22%
Energy Efficiency	\$1,208,387	0.09%
Geographic Percentage Factor	\$714,617	0.08%
New School Allowance	\$4,328	0.00%
Pupil-Grant Independent		
Site Acquisition	\$288,348,722	22.59%
Site Development	\$155,413,882	12.17%
Fire Sprinkler	\$8,623,478	0.68%
Special Day Class Therapy Space	\$2,337,904	0.18%
Fire Detection Alarm	\$967,562	0.08%
Project Assistance	\$62,538	0.00%
Total	\$1,276,523,456	100%

## Projects Included in the Study

The study sample consists of 166 projects apportioned from July 2006 through December 2008. These projects are representative of the projects funded through the School Facility Program – with the notable exclusion of Financial Hardship projects. Financial Hardship projects receive up to 100 percent State funding – rather than the normal 50/50 State and local contributions. Appendices D and E outline the methodology used for determining the projects used in the analysis.

### Additions vs. New Schools

The most common new construction project is an addition to an existing school site. One hundred and twelve projects or 67 percent of the projects in the sample are of this type.



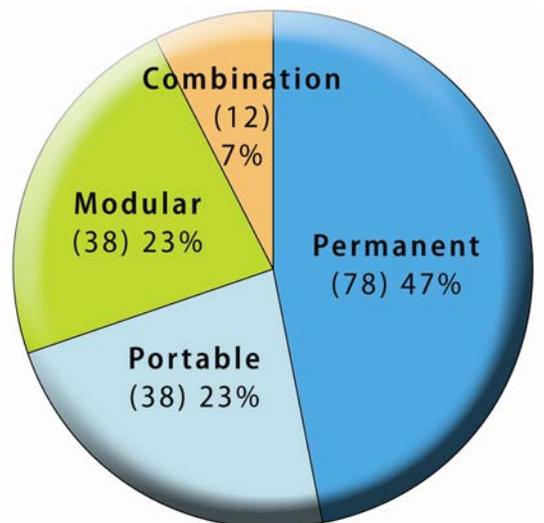
### Variety of Projects

Projects in the study range from the addition of one portable classroom of 960 square feet to a permanent construction new school exceeding 300,000 square feet. Architectural and design features vary greatly from one project to another. Projects differ drastically due to local choices in design and construction. Likewise, project costs can vary by millions of dollars for schools with similar square footage and components.

Minimum	Table 2 – Variety of Projects in Sample Set <sup>8</sup>	Maximum
960 square feet	Square Footage	309,000 square feet
36 square feet	Square Footage Per Pupil	161 square feet
17.08%	Percentage of State Funding	108.57%
\$98.80	Cost Per Square Foot	\$950.99
\$52.92	State Funding Per Square Foot	\$378.60

### Construction Type

The three basic construction types are permanent, modular, and portable. Permanent construction is built from the ground up on the construction site. Modular construction uses pre-fabricated building components that are assembled on site. Portable construction is a factory built facility. For the purposes of the study, projects are classified as one of these types based on the construction type of the classrooms.



<sup>8</sup> Information on chart excludes site acquisition funding.

## Construction Type (cont.)

Seventy-eight of the 166 or 47 percent of projects in the study built permanent classrooms. There are 38 modular projects and 38 portable projects in the study as well as 12 projects that combine two or three of the construction types.

## Facility Types

The 166 study projects contain 3,331 structures with nearly 5.5 million square feet – with an average of more than 33,000 square feet per project in the sample. More than 86 percent of the structures in the study are classrooms followed by 2.76 percent in administration buildings, and nearly 1.89 percent in multi-purpose/cafeteria buildings. Not surprisingly, the largest structures are gymnasiums at an average size in excess of 18,000 square feet, followed by performing arts centers at approximately 9,300 square feet per facility.

Facility Type	Number of Facilities	Percent of Facilities	Total Square Feet	Percent of Square Footage	Average Square Feet/Facility
Classrooms	2,865	86.01%	3,735,600	68.03%	1,304
Multi-Purpose/Cafeteria	63	1.89%	457,227	8.33%	7,258
Stand-Alone Cafeteria	17	0.51%	65,100	1.19%	3,829
Kitchen	41	1.23%	83,374	1.52%	2,034
Library	57	1.71%	228,693	4.16%	4,012
Gym/Shower	16	0.48%	296,758	5.40%	18,547
Administration Buildings	92	2.76%	331,121	6.03%	3,599
Performing Arts	5	0.15%	46,524	0.85%	9,305
Restrooms	92	2.76%	51,344	0.94%	558
Other	83	2.49%	195,372	3.56%	2,354
<b>Totals</b>	<b>3,331</b>		<b>5,491,113</b>		

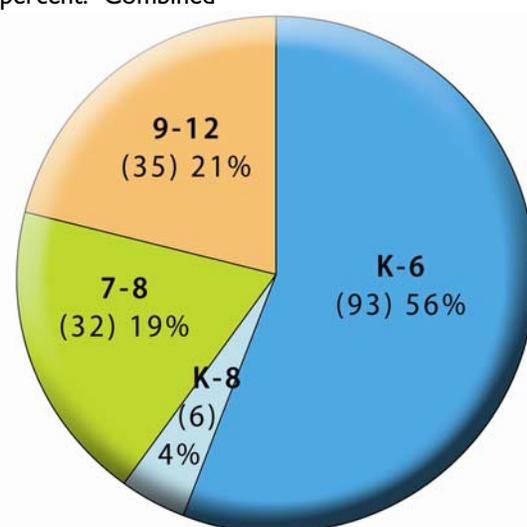
## Project Grade Level

The most common project in the study sample is an elementary school project with 93 of the 166 projects at this grade level. High school projects represent 21 percent of the sample closely followed by middle school projects at 19 percent. Combined Kindergarten through eighth grade projects are somewhat rare and represent 4 percent of the sample.

## Outdoor Facilities

Facility Type	Count
Baseball/Softball Diamond	57
Football/Soccer Field	28
Playground/Hard-court/Turf	110
Track	11
Swimming Pool	6
Stadium	5
Other	19
<b>Total</b>	<b>236</b>

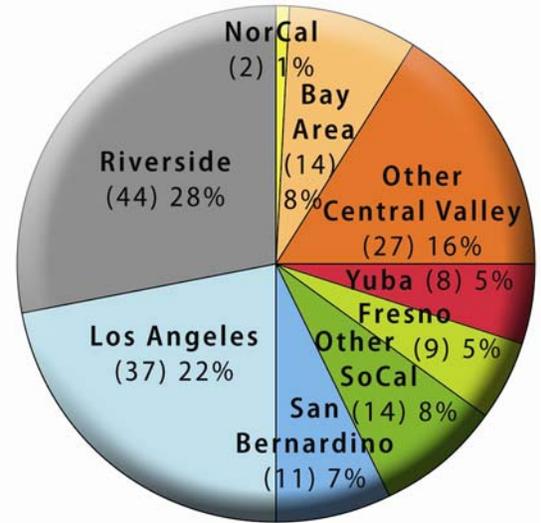
The study projects include 236 outdoor facilities. The most prevalent outdoor facilities are playgrounds. Seventy of the 166 projects add at least one of these features. Ninety-six projects do not report adding any outdoor facilities.



## Facility Locations, Characteristics, and Funding

The chart at right illustrates the geographical distribution of the projects in the study. Seventy-one percent of projects are in Southern California, 26 percent are in the Central and Sacramento Valleys, eight percent are in the Bay Area – with a sole project located in Shasta County.

The table below provides substantial detail on the study projects – including classroom count, projects by grade level, State construction funding, State site acquisition funding, and funding per classroom. Altogether, 2,865 classrooms are included in the 166 projects located in 26 counties with a state contribution of nearly \$1.3 billion.



**Table 4 – Facility Locations, Characteristics, and Funding**

County	Classrooms	Number of Projects					State Construction Funding			State Site Acquisition Funding	
		K-6	7-8	9-12	K-8	Total	Gross Dollars	Dollars Per Classroom	Percentage	Gross Dollars	Percentage
Riverside	609	27	12	4	1	44	\$150,695,608	\$247,448	15.25%	\$30,325,899	10.5%
Los Angeles	1,063	18	6	12	1	37	\$501,329,844	\$471,618	50.73%	\$185,275,228	64.3%
San Bernardino	213	8	2	1		11	\$53,886,207	\$252,987	5.45%	\$5,637,386	2.0%
Fresno	69	7	1	1		9	\$15,340,279	\$222,323	1.55%	\$1,091,926	0.4%
Yuba	52	6		1	1	8	\$10,755,970	\$206,846	1.09%	\$943,554	0.3%
Contra Costa	116	4	2	1		7	\$34,040,393	\$293,452	3.44%	\$20,800,766	7.2%
Kern	139	4		2		6	\$41,754,044	\$300,389	4.23%	\$2,093,086	0.7%
El Dorado	23	1	3	1		5	\$7,363,918	\$320,170	0.75%	\$522,702	0.2%
Orange	120	2	1	2		5	\$36,052,574	\$300,438	3.65%	\$18,271,112	6.3%
San Joaquin	121	3		2		5	\$35,671,846	\$294,809	3.61%	\$2,504,378	0.9%
Yolo	62	2	1		2	5	\$16,179,690	\$260,963	1.64%	\$2,204,165	0.8%
Sacramento	85	2		2		4	\$31,992,681	\$376,384	3.24%	\$3,651,831	1.3%
Placer	36			2	1	3	\$11,835,053	\$328,751	1.20%	\$1,179,812	0.4%
Sonoma	9	1	2			3	\$2,286,661	\$254,073	0.23%	\$87,007	0.0%
Alameda	39	2				2	\$9,442,001	\$242,103	0.96%	\$11,960,750	4.1%
San Diego	4			2		2	\$1,623,059	\$405,765	0.16%	\$0	0.0%
Butte	1	1				1	\$180,318	\$180,318	0.02%	\$0	0.0%
Calaveras	1			1		1	\$376,650	\$376,650	0.04%	\$0	0.0%
Madera	32	1				1	\$8,471,522	\$264,735	0.86%	\$528,844	0.2%
Merced	25	1				1	\$6,651,959	\$266,078	0.67%	\$615,076	0.2%
Monterey	30	1				1	\$8,543,035	\$284,768	0.86%	\$655,200	0.2%
Santa Barbara	6	1				1	\$1,300,445	\$216,741	0.13%	\$0	0.0%
Santa Clara	3		1			1	\$266,809	\$88,936	0.03%	\$0	0.0%
Shasta	1	1				1	\$106,364	\$106,364	0.01%	\$0	0.0%
Stanislaus	5		1			1	\$1,516,223	\$303,245	0.15%	\$0	0.0%
Tulare	1			1		1	\$511,581	\$511,581	0.05%	\$0	0.0%
<b>Totals</b>	<b>2,865</b>	<b>93</b>	<b>32</b>	<b>35</b>	<b>6</b>	<b>166</b>	<b>\$988,174,734</b>	<b>\$344,913</b>	<b>100%</b>	<b>\$288,348,722</b>	<b>100%</b>

## Key Findings

Studying the relationship between school construction costs and State funding is challenging. A lack of data has plagued prior efforts to analyze this question. Further complicating this task, districts exercise local control – enabled or tempered by local resources – that leads to substantial disparities in the projects built. The funding model is unclear and it appears to be based on unstated assumptions that may not match actual school construction practices. And, finally, districts can, and do, request less than the full funding the program can deliver – artificially suppressing the State funding outcomes.

### *Lack of Data*

Prior efforts to examine school facility funding and project costs have been challenged due to a lack of data. That hurdle is being overcome through systematic data collection by the Office of Public School Construction. Since July of 2008, data has been collected on all new construction projects at three stages – at initial fund release, at the one-year anniversary of the fund release, and with the final expenditure report. This data is self-reported by districts – and therefore may suffer from some inconsistencies in reporting. For example, the State provides funding on a 50/50 basis for allowable site development costs<sup>9</sup>. Many projects involve off-site development that is not included in the funding model but that may be reported as project costs. Also, the data for many recent projects is, in part, based on estimates. Nevertheless, this data set is robust and currently the only one of its kind. Through ongoing collaboration with school districts, this data will continue to provide valuable insight into the cost factors affecting school construction in California.

### *Local Control & Local Resources*

Local control is a fundamental tenet of the School Facility Program that allows districts the flexibility to meet local needs. Districts determine the design and building components in construction projects including the size, construction type, and quality. Districts have the flexibility to construct facilities that are expensive and elaborate or spartan and plain. Local resources factor heavily into these decisions. Districts retain project savings and they are responsible for any cost overruns.

There are an endless variety of projects meeting a variety of local needs at substantially different costs. As noted earlier, the projects in this study range from a single portable addition to a sizable permanent construction high school. Architectural and design features vary greatly from one project to another. Local decisions affect the cost of projects; the cost per square foot for projects in this study range from less than \$99 to more than \$950.

In June 2007, the California Department of Education presented a report to the State Allocation Board on the components of a complete school. In that report, the Department identified 60 schools as “complete.”

The table below identifies the square footage per pupil from four sources – the Department of Education Report, the Lease Purchase Program standards set in statute<sup>10</sup>, the new schools in this study sample, and then all projects in this study sample.

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<sup>9</sup> SFP Regulation Section(s) 1859.76

<sup>10</sup> Education Code Sections 17043(a), 17044, 17046, and 17046.7. The Lease-Purchase Program is the predecessor to the School Facility Program. Many aspects of the LPP were used to model the SFP.

**Table 5 – Square Feet per Pupil – Comparison of the CDE Report, LPP, and Study Projects**

	Elementary				Middle				High			
	Minimum	Maximum	Mean <sup>11</sup>	Median <sup>12</sup>	Minimum	Maximum	Mean	Median	Minimum	Maximum	Mean	Median
CDE Report	53	125	74	71	70	111	86	88	72	152	105	108
LPP (1998) <sup>13</sup>	59				80				94.6			
New Schools	47.02	98.49	74.67	74.25	63.11	113.96	86.59	89.44	54.44	111.95	90.64	100.03
All Projects	38.4	100.43	57.98	51.20	35.56	161.48	65.89	58.94	35.56	122.94	65.09	62.05

The mean and median square feet per pupil for new school projects in this study are close to the median square feet per pupil found in the Department of Education report. The mean and median square foot per pupil for all projects in the study is considerably less than the other values since 67 percent of study projects are additions to existing schools that may not include the addition of core facilities such as multi-purpose rooms, administration buildings, etc.

### *Unclear Funding Model*

The School Facility Program new construction funding model is formula-driven and takes a “one-size-fits-all” approach to school facility funding that delivers similar dollars to disparate projects. The key funding driver is the number of classrooms in the project. Project characteristics such as size, quality, building type, design features, or the inclusion or exclusion of subsidiary facilities do not determine funding. The same grant funds classrooms, gymnasiums, outdoor sporting facilities, portable construction, permanent construction, and projects that differ drastically due to local choices in design and construction. The costs for projects of similar size and scope can vary by millions while State funding could be relatively static. Therefore, the project scope may not match the funding model.

The funding model is unclear and it appears to be based on unstated assumptions that may not match actual school construction practices. The lack of stated standards for funding – square footage per pupil, construction type, facility components, etc. – compromises the ability to judge the adequacy of State funding.

<sup>11</sup> The **mean** (or average) of a set of quantitative data is equal to the sum of the values in a data set divided by the number of measurements contained in the data set. It is a measure of the central tendency of a set of measurements.

<sup>12</sup> The **median** is a measure of the central tendency of a set of measurements (i.e., the tendency of the data to cluster about certain numerical values). It is the middle number when the measurements in a data set are arranged in ascending (or descending) order.

<sup>13</sup> Education Code Sections 17043(a), 17044, 17046, and 17046.7. The Lease-Purchase Program is the predecessor to the School Facility Program. Many aspects of the LPP were used to model the SFP.

## Requesting “All or a Portion” of Funding

According to statute<sup>14</sup>, a district, “may submit at any time a request to the board for a project apportionment for all or a portion of the funding for which the school district is eligible.”

This statute appears to be well-exercised in the School Facility Program. For 98 out of the 166 study projects, districts requested less funding than the project could justify based on the number of classrooms in the project. The impact of this practice is significant and substantial. Fully 5,431 pupil grants worth approximately \$57.8 million went un-requested for projects. Counting a proportional share of supplemental grants, this represents approximately \$90.8 million in combined pupil and supplemental grant funding – excluding site acquisition. This figure is 9.2 percent of the overall non-site acquisition funding for the 166 study projects. Twenty-six of these 98 projects may be low-cost projects that requested less than full funding due to reason four below. The remaining 72 projects requested less than full funding for one or more of the other reasons noted below. These 72 projects represent a lost opportunity for \$65.3 million in additional funding – 6.6 percent of the total non-site acquisition funding for the 166 study projects. This further complicates any study of the relationship between the School Facility Program grants and project funding since this artificially suppresses the State funding per project and the funding per square foot.

**Table 6 – Summary of Unrequested Funding**

	2006	2007	2008
Total Projects	25	49	92
Gross Project Expenditures	\$204 Million	\$501.5 Million	\$2,039 Million
Projects Under-Requesting Pupil Grants	20	26	52
Pupil Grants Under Requested <sup>15</sup>	1,486	999	2,946
Estimated Under-Requested Pupil Grant Funding	\$16.3 Million	\$9.9 Million	\$31.6 Million
<b>Reasons Pupil Grants Were Under-Requested<sup>16</sup></b>			
Low Cost Project	5	6	15
Other Reason	15	20	37

As noted in the table above, more than 40 percent of 2008 projects, nearly 41 percent of 2007 projects, and 60 percent of 2006 projects applied for less funding than the project could justify.

Districts may under-request funding for the following reasons:

- 1) **Insufficient Local Match:** A district may have insufficient local funds to match all of the potential State funding. In order to meet this statutory obligation, the district reduces its funding request – obtaining less than full State funding for the project.
- 2) **Insufficient Eligibility:** A district may have insufficient eligibility to request grants for all of the pupils a project can house. For example, a district with 300 pupils of eligibility builds a school with a capacity for 450 students. In this case,

<sup>14</sup> Education Code Section 17072.20(a)

<sup>15</sup> Based on classroom loading standards.

<sup>16</sup> Estimated by comparing PIW reported costs vs. an estimate of the full amount of pupil grant funding a district was eligible to receive.

the district requests funding for 300 pupils – obtaining less than full State funding for the project.

- 3) **Preserving Eligibility:** A district may wish to preserve program eligibility for future projects by requesting grants for fewer pupils than the project will house. For example, a district with 600 pupils of eligibility plans to build two 450-student schools. In this scenario, a district can split its eligibility between the schools – obtaining less than full State funding for one or both projects.
- 4) **Low Cost Project:** A district may have a low-cost project such as a portable addition to an existing school that could otherwise generate State funding two to three times the total project cost. Districts, however, must match State funds, “in an amount at least equal to the proposed apportionment.”<sup>17</sup> Regulations cap the amount a district may request on a low cost project.

In all of these scenarios, the district accepts the funding as the State’s full and final contribution towards the project.<sup>18</sup> The district supplements the project budget with additional local funding, if necessary. Site acquisition and site development funding is independent of the pupil grant. This grant independence incentivizes scenario three above – a district can reduce its pupil grant requests and still receive the full site acquisition and site development grants for projects.

### *Summary of Key Findings*

Data collection issues are now resolved, however, the other key findings – the disparity in project scope, the impact of local decisions affecting project cost, districts seeking less funding than projects can justify, the obtuse nature of the funding model – all interfere with definitive answers to the central questions in this study. Those central questions include identifying the costs of new construction projects and the amount of State funding provided to those projects. One solution to this lack of clarity is to recast the funding model to make explicit rather than unstated assumptions, to identify square footage per pupil, to declare the State dollars per square foot, to provide funding that scales with project scope, and setting life-cycle cost-effective design as a standard.

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<sup>17</sup> Education Code Section 17072.30(a).

<sup>18</sup> Education Code Section 17070.63(a).

## Study Results

### *How Much is Provided to New Construction Projects?*

This section of the report provides a statistical analysis of the 166 projects in the sample set that were apportioned between July 1, 2006 and December 31, 2008. The gross project expenditures for these projects are \$2,744.5 million. All information presented in this section of the report excludes site acquisition and financial hardship funding.

The tables on the following page provide project information for 2006, 2007, and 2008 projects. For each year, the construction costs per square foot, State funding per square foot, and percentage of State contribution has been calculated using the following formulas:

- 1) Construction costs per square foot:  
The construction costs per square foot are determined using the following formula:

$$\text{Construction costs per square foot} = \frac{\text{Total reported expenditures} - \text{Site acquisition expenditures}}{\text{Total reported square footage of project}}$$

- 2) State funding per square foot:  
The State funding per square foot is determined using the following formula:

$$\text{Funding per square foot} = \frac{\text{Total apportionment(s)} - \text{Financial hardship} - \text{Site acquisition apportionment(s)}}{\text{Total reported square footage of project}}$$

- 3) Percentage of State contribution:  
The percentage of State contribution is determined using the following formula:

$$\text{Percent of State contribution} = \frac{\text{Total apportionment(s)} - \text{Financial hardship} - \text{Site acquisition apportionment(s)}}{\text{Total reported expenditures (excluding site acquisition)}}$$

Information is also presented over the following individual subsets of data that represent the range of projects funded:

- Project Grade Level – The School Facility Program provides separate pupil grant amounts to elementary, middle, and high pupils. Therefore, each grade level is examined separately for projects in each grade level.
- Construction Type – The School Facility Program includes a wide range of projects. Data is presented for projects that consist primarily of permanent, portable, and modular construction.

- New schools or additions to existing sites – New school projects typically have costs that are considerably higher than additions to existing sites. Within these categories, there is also a large variance based on the types of subsidiary facilities that are being constructed.

It is important to note that some project expenditures are estimates due to the stage of the project. For the different categories of expenditures (i.e., construction costs, site acquisition, etc.), districts typically report expenditures as estimates until the project is complete. For example, the expenditures for projects that are 99 percent complete can still be reported as estimates.

## All Projects

The State Allocation Board made full and final apportionments to 134 new construction projects in 2006 (July through December), 246 in 2007, and 342 in 2008 – with 25, 49, and 92 of those projects, respectively, in this study. The chart below provides a summary of the costs and funding per square foot of the study projects. Appendix H provides a margin of error for all 2006 through 2008 statistics using a 95 percent confidence interval in order to quantify the significance of the means presented below.

The table below provides a summary, by year, of the projects in the study. “Minimum” means the smallest value in the dataset for the given parameter. “Maximum” means the largest value in the data.

**Table 7 – Summary of Costs and State Funding**

	<b>2006</b>	<b>Minimum</b>	<b>Maximum</b>	<b>Standard Deviation<sup>19</sup></b>	<b>Mean</b>	<b>Median</b>
State Contribution Percentage		27.86%	88.71%	13.30%	52.97%	50.00%
Costs Per Square Foot		\$122.36	\$467.59	\$104.98	\$278.48	\$265.55
State Funding Per Square Foot		\$81.17	\$214.91	\$40.51	\$138.83	\$132.77
	<b>2007</b>	<b>Minimum</b>	<b>Maximum</b>	<b>Standard Deviation</b>	<b>Mean</b>	<b>Median</b>
State Contribution Percentage		18.28%	108.57%	22.07%	50.33%	49.93%
Costs Per Square Foot		\$102.91	\$950.99	\$200.86	\$383.43	\$378.56
State Funding Per Square Foot		\$52.92	\$325.87	\$59.12	\$162.09	\$155.68
	<b>2008</b>	<b>Minimum</b>	<b>Maximum</b>	<b>Standard Deviation</b>	<b>Mean</b>	<b>Median</b>
State Contribution Percentage		17.08%	98.14%	16.92%	47.48%	45.24%
Costs Per Square Foot		\$98.80	\$844.33	\$199.54	\$437.72	\$415.79
State Funding Per Square Foot		\$57.87	\$378.60	\$60.73	\$183.20	182.87

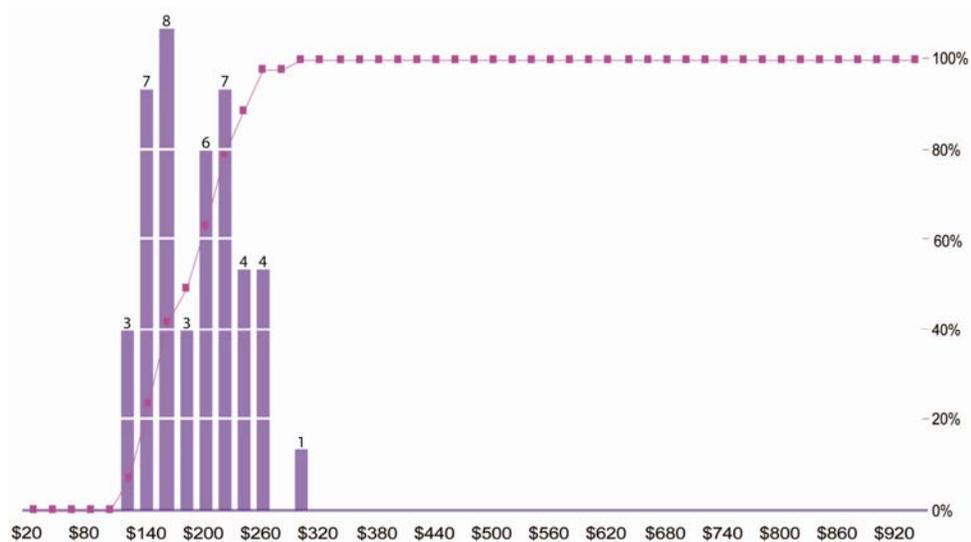
<sup>19</sup> The **standard deviation** of a set of quantitative data is used to find a meaningful measure of the data variability of a data set. The more spread apart a dataset is, the higher the standard deviation. It is equal to the square root of the arithmetic mean of the squares of the deviations from the arithmetic mean. Chebyshev’s Theorem states that at least 75 percent of the data values will fall within two standard deviations in any data distribution graph.

## New Schools—Permanent Construction



**Figure 3 – Costs Per Square Foot -- 43 New Schools**

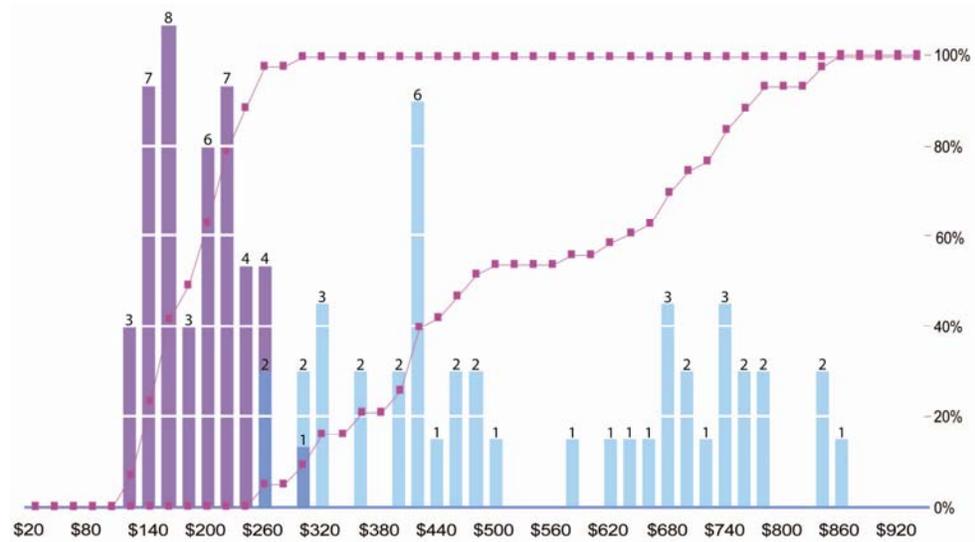
The histogram above displays the distribution of new school projects by cost per square foot in \$20 increments. The number atop each vertical bar corresponds with the projects in each cost range. The study sample contains 43 new schools built using permanent construction. The costs for these projects differ dramatically. In the histogram, there appear to be three cost-per-square foot groupings – from \$300 to \$360; from \$400 to \$500; and, from \$620 to \$780. These groupings represent nearly 16 percent, nearly 33 percent, and more than 37 percent of these projects, respectively.



**Figure 4 – State Funding Per Square Foot -- 43 New Schools**

The State funding for these same projects is much more stable and predictable. As illustrated in the histogram above, there appear to be two State funding-per-square foot groupings – from \$120 to \$180; and, from \$200 to \$260. These groupings represent nearly 42 percent and nearly 49 percent of these projects, respectively. As noted in Key

Findings above, many projects seek less than full State funding – 18 of these 43 projects took this approach – artificially suppressing the State funding-per-square-foot.



**Figure 5 – State Funding and Costs Per Square Foot – 43 New Schools**  
 The histogram above overlays State funding-per-square-foot with costs-per-square-foot. As noted above, school districts must match State funds dollar-for-dollar – providing these projects with a starting budget of \$240 to \$520 per-square-foot.

## Market Comparison

Industry specialists collect and publish cost per square foot data for commercial and residential buildings. The table at right presents cost per square foot data published by Saylor Publications, Inc. for several types of construction. The range in costs accounts for variances in the exterior wall and size of the project. The costs provided by Saylor represent “base” costs that do not include all site development work or additional costs associated with project specific features. By contrast, the cost per square foot data used in this study includes all costs associated with the project less site acquisition costs.<sup>20</sup>

	Cost Per Square Foot		
	2007	2008	2009
Elementary School	\$237.40 to \$279.70	\$245.70 to \$289.30	\$259.60 to \$310.50
Primary School	\$287.80 to \$337.50	\$298.70 to \$349.70	\$328.00 to \$383.90
Hospital	\$371.20 to \$452.70	\$384.30 to \$469.40	\$403.40 to \$505.40
Prison	\$299.30 to \$364.70	\$309.30 to \$377.50	\$324.90 to \$408.20

<sup>20</sup> Saylor Publications, Inc., 2007, 2008, 2009, Current Construction Costs

## 2008 Projects

The three tables in this section provide the minimum, maximum, mean, and median values for construction costs per square foot, State funding per square foot, and percentage of state contribution for 83 of the 92 projects in the 2008 sample set<sup>21</sup>. Due to the various sizes of sample subsets, some mean statistics are more significant than others. See Appendix H for information on the statistical significance and confidence intervals of each of the means presented below.

Each table displays a total weighted mean and median at the bottom. These values are weighted proportionally based on the number of projects in each subset of the data.

**Table 9 – 2008 Construction Costs per Square Foot**

Classroom Construction Type	Site Type	Grade Level	Count	% of the 83 Projects	Minimum	Maximum	Mean	Median
Permanent	New Site	K-6	14	17%	\$252.21	\$844.33	\$597.39	\$693.45
Permanent	Addition	K-6	7	8%	\$304.27	\$786.42	\$528.79	\$468.58
Portable	New Site	K-6	0	0%				
Portable	Addition	K-6	10	12%	\$98.80	\$398.97	\$218.85	\$219.73
Modular	New Site	K-6	0	0%				
Modular	Addition	K-6	15	18%	\$129.06	\$531.23	\$322.57	\$290.24
Permanent	New Site	7-8	9	11%	\$396.68	\$833.99	\$609.02	\$639.75
Permanent	Addition	7-8	1	1%	\$277.65	\$277.65	\$277.65	\$277.65
Portable	New Site	7-8	0	0%				
Portable	Addition	7-8	2	2%	\$131.16	\$213.51	\$172.34	\$172.34
Modular	New Site	7-8	0	0%				
Modular	Addition	7-8	6	8%	\$138.96	\$558.95	\$375.21	\$372.98
Permanent	New Site	9-12	3	4%	\$416.40	\$640.32	\$556.97	\$614.19
Permanent	Addition	9-12	9	11%	\$364.71	\$683.67	\$493.72	\$481.45
Portable	New Site	9-12	0	0%				
Portable	Addition	9-12	0	0%				
Modular	New Site	9-12	1	1%	\$694.40	\$694.40	\$694.40	\$694.40
Modular	Addition	9-12	6	7%	\$226.32	\$551.99	\$395.91	\$379.27
Overall Weighted Mean and Median							\$442.66	\$451.44

<sup>21</sup> For the subset data including the overall weighted mean and median, four K-8 projects are not included in the chart statistics because they are combined grade level projects. Three K-6, one 7-8, and one 9-12 projects are not included in the chart statistics because they combine construction types.

## 2008 Projects (cont.)

**Table 10 – 2008 State Funding Per Square Foot**

Classroom Construction Type	Site Type	Grade Level	Count	% of the 83 Projects				
					Minimum	Maximum	Mean	Median
Permanent	New Site	K-6	14	17%	\$134.82	\$258.18	\$201.74	\$209.59
Permanent	Addition	K-6	7	8%	\$145.14	\$240.08	\$190.75	\$199.68
Portable	New Site	K-6	0	0%				
Portable	Addition	K-6	10	12%	\$66.94	\$246.89	\$140.14	\$145.30
Modular	New Site	K-6	0	0%				
Modular	Addition	K-6	15	18%	\$84.20	\$272.82	\$168.54	\$156.50
Permanent	New Site	7-8	9	11%	\$125.45	\$251.96	\$189.82	\$195.04
Permanent	Addition	7-8	1	1%	\$116.71	\$116.71	\$116.71	\$116.71
Portable	New Site	7-8	0	0%				
Portable	Addition	7-8	2	2%	\$57.87	\$135.54	\$96.70	\$96.70
Modular	New Site	7-8	0	0%				
Modular	Addition	7-8	6	8%	\$96.31	\$253.72	\$172.80	\$177.10
Permanent	New Site	9-12	3	4%	\$151.30	\$284.71	\$219.30	\$221.90
Permanent	Addition	9-12	9	11%	\$83.87	\$345.90	\$198.53	\$199.27
Portable	New Site	9-12	0	0%				
Portable	Addition	9-12	0	0%				
Modular	New Site	9-12	1	1%	\$235.76	\$235.76	\$235.76	\$235.76
Modular	Addition	9-12	6	7%	\$96.23	\$378.60	\$228.00	\$228.06
Overall Weighted Mean and Median							\$183.44	\$185.05

## 2008 Projects (cont.)

**Table II – 2008 Percentage of State Contribution**

Classroom Construction Type	Site Type	Grade Level	Count	% of the 83 Projects				
					Minimum	Maximum	Mean	Median
Permanent	New Site	K-6	14	17%	25.11%	62.02%	37.10%	32.73%
Permanent	Addition	K-6	7	8%	18.45%	68.96%	40.59%	36.61%
Portable	New Site	K-6	0	0%				
Portable	Addition	K-6	10	12%	44.09%	98.14%	67.38%	66.96%
Modular	New Site	K-6	0	0%				
Modular	Addition	K-6	15	18%	40.33%	80.28%	55.81%	51.36%
Permanent	New Site	7-8	9	11%	26.04%	42.50%	32.13%	30.21%
Permanent	Addition	7-8	1	1%	42.03%	42.03%	42.03%	42.03%
Portable	New Site	7-8	0	0%				
Portable	Addition	7-8	2	2%	44.12%	63.48%	53.80%	53.80%
Modular	New Site	7-8	0	0%				
Modular	Addition	7-8	6	8%	38.50%	69.31%	54.23%	54.83%
Permanent	New Site	9-12	3	4%	34.65%	54.83%	39.11%	36.33%
Permanent	Addition	9-12	9	11%	17.08%	71.85%	40.88%	45.63%
Portable	New Site	9-12	0	0%				
Portable	Addition	9-12	0	0%				
Modular	New Site	9-12	1	1%	33.95%	33.95%	33.95%	33.95%
Modular	Addition	9-12	6	7%	30.35%	91.64%	59.75%	52.73%
Overall Weighted Mean and Median							47.64%	45.48%

## 2007 Projects

The three tables in this section provide the minimum, maximum, mean, and median values for construction costs per square foot, State funding per square foot, and percentage of state contribution for 43 of the 49 projects in the 2007 sample set<sup>22</sup>. Due to the various sizes of sample subsets, some mean statistics are more significant than others. See Appendix H for information on the statistical significance and confidence intervals of each of the means presented below.

Each table displays a total weighted mean and median at the bottom. These values are weighted proportionally based on the number of projects in each subset of the data.

**Table 12 – 2007 Construction Costs per Square Foot**

Classroom Construction Type	Site Type	Grade Level	Count	% of the 43 Projects	Construction Costs Per Square Foot			
					Minimum	Maximum	Mean	Median
Permanent	New Site	K-6	8	19%	\$251.92	\$669.75	\$433.59	\$419.79
Permanent	Addition	K-6	6	14%	\$201.41	\$552.63	\$376.21	\$340.73
Portable	New Site	K-6	0	0%				
Portable	Addition	K-6	8	19%	\$102.91	\$680.99	\$239.98	\$171.99
Modular	New Site	K-6	1	2%	\$483.56	\$483.56	\$483.56	\$483.56
Modular	Addition	K-6	4	9%	\$148.56	\$416.67	\$267.07	\$251.53
Permanent	New Site	7-8	1	2%	\$669.50	\$669.50	\$669.50	\$669.50
Permanent	Addition	7-8	6	14%	\$236.02	\$580.92	\$406.65	\$405.08
Portable	New Site	7-8	1	2%	\$281.71	\$281.71	\$281.71	\$281.71
Portable	Addition	7-8	1	2%	\$167.76	\$167.76	\$167.76	\$167.76
Modular	New Site	7-8	0	0%				
Modular	Addition	7-8	0	0%				
Permanent	New Site	9-12	0	0%				
Permanent	Addition	9-12	1	2%	\$950.99	\$950.99	\$950.99	\$950.99
Portable	New Site	9-12	0	0%				
Portable	Addition	9-12	3	7%	\$105.98	\$220.11	\$145.42	\$110.17
Modular	New Site	9-12	1	2%	\$398.90	\$398.90	\$398.90	\$398.90
Modular	Addition	9-12	2	5%	\$412.26	\$523.35	\$467.80	\$467.80
Overall Weighted Mean and Median							\$354.23	\$329.64

<sup>22</sup> For the subset data including the overall weighted mean and median, two K-8 projects are not included in the chart statistics because they are combined grade level projects. Two K-6 and two 9-12 projects are not included in the chart statistics because they combine construction types.

2007 Projects (cont.)

**Table 13 – 2007 State Funding Per Square Foot**

Classroom Construction Type	Site Type	Grade Level	Count	% of the 43 Projects	State Funding Per Square Foot			
					Minimum	Maximum	Mean	Median
Permanent	New Site	K-6	8	19%	\$118.07	\$208.22	\$148.52	\$146.48
Permanent	Addition	K-6	6	14%	\$106.07	\$223.99	\$163.86	\$173.01
Portable	New Site	K-6	0	0%				
Portable	Addition	K-6	8	19%	\$83.42	\$174.16	\$129.52	\$136.39
Modular	New Site	K-6	1	2%	\$115.89	\$115.89	\$115.89	\$115.89
Modular	Addition	K-6	4	9%	\$103.59	\$224.10	\$156.33	\$148.81
Permanent	New Site	7-8	1	2%	\$182.23	\$182.23	\$182.23	\$182.23
Permanent	Addition	7-8	6	14%	\$61.19	\$321.34	\$177.36	\$180.13
Portable	New Site	7-8	1	2%	\$159.00	\$159.00	\$159.00	\$159.00
Portable	Addition	7-8	1	2%	\$101.63	\$101.63	\$101.63	\$101.63
Modular	New Site	7-8	0	0%				
Modular	Addition	7-8	0	0%				
Permanent	New Site	9-12	0	0%				
Permanent	Addition	9-12	1	2%	\$173.87	\$173.87	\$173.87	\$173.87
Portable	New Site	9-12	0	0%				
Portable	Addition	9-12	3	7%	\$52.92	\$189.58	\$110.09	\$87.78
Modular	New Site	9-12	1	2%	\$245.97	\$245.97	\$245.97	\$245.97
Modular	Addition	9-12	2	5%	\$181.77	\$183.42	\$182.59	\$182.59
Overall Weighted Mean and Median							\$151.08	\$151.42

2007 Projects (cont.)

**Table 14 – 2007 Percentage of State Contribution**

Classroom Construction Type	Site Type	Grade Level	Count	% of the 43 Projects	Percentage of State Contribution			
					Minimum	Maximum	Mean	Median
Permanent	New Site	K-6	8	19%	21.07%	51.58%	36.23%	35.96%
Permanent	Addition	K-6	6	14%	19.47%	63.77%	48.90%	57.44%
Portable	New Site	K-6	0	0%				
Portable	Addition	K-6	8	19%	22.86%	108.57%	68.35%	69.40%
Modular	New Site	K-6	1	2%	23.97%	23.97%	23.97%	23.97%
Modular	Addition	K-6	4	9%	29.26%	100.00%	70.76%	76.89%
Permanent	New Site	7-8	1	2%	27.22%	27.22%	27.22%	27.22%
Permanent	Addition	7-8	6	14%	25.93%	55.32%	42.05%	44.77%
Portable	New Site	7-8	1	2%	56.44%	56.44%	56.44%	56.44%
Portable	Addition	7-8	1	2%	60.58%	60.58%	60.58%	60.58%
Modular	New Site	7-8	0	0%				
Modular	Addition	7-8	0	0%				
Permanent	New Site	9-12	0	0%				
Permanent	Addition	9-12	1	2%	18.28%	18.28%	18.28%	18.28%
Portable	New Site	9-12	0	0%				
Portable	Addition	9-12	3	7%	49.93%	86.13%	71.91%	79.68%
Modular	New Site	9-12	1	2%	61.66%	61.66%	61.66%	61.66%
Modular	Addition	9-12	2	5%	35.05%	44.09%	39.57%	39.57%
Overall Weighted Mean and Median							50.94%	53.77%

## 2006 Projects

The three tables in this section provide the minimum, maximum, mean, and median values for construction costs per square foot, State funding per square foot, and percentage of state contribution for the 25 projects in the 2006 sample set. Due to the various sizes of sample subsets, some mean statistics are more significant than others. See Appendix H for information on the statistical significance and confidence intervals of each of the means presented below.

Each table displays a total weighted mean and median at the bottom. These values are weighted proportionally based on the number of projects in each subset of the data.

**Table 15 – 2006 Construction Costs per Square Foot**

Classroom Construction Type	Site Type	Grade Level	Count	% of the 25 Projects	Construction Costs Per Square Foot			
					Minimum	Maximum	Mean	Median
Permanent	New Site	K-6	5	20%	\$303.73	\$467.59	\$378.64	\$353.33
Permanent	Addition	K-6	2	8%	\$418.61	\$419.69	\$419.15	\$419.15
Portable	New Site	K-6	0	0%				
Portable	Addition	K-6	8	32%	\$150.35	\$256.28	\$197.25	\$196.43
Modular	New Site	K-6	0	0%				
Modular	Addition	K-6	0	0%				
Permanent	New Site	7-8	0	0%				
Permanent	Addition	7-8	1	4%	\$337.24	\$337.24	\$337.24	\$337.24
Portable	New Site	7-8	0	0%				
Portable	Addition	7-8	1	4%	\$182.23	\$182.23	\$182.23	\$182.23
Modular	New Site	7-8	0	0%				
Modular	Addition	7-8	2	8%	\$265.55	\$296.48	\$281.01	\$281.01
Permanent	New Site	9-12	1	4%	\$319.99	\$319.99	\$319.99	\$319.99
Permanent	Addition	9-12	2	8%	\$302.68	\$466.64	\$384.66	\$384.66
Portable	New Site	9-12	0	0%				
Portable	Addition	9-12	3	12%	\$122.36	\$196.31	\$160.57	\$163.05
Modular	New Site	9-12	0	0%				
Modular	Addition	9-12	0	0%				
Overall Weighted Mean and Median							\$278.48	\$273.45

2006 Projects (cont.)

**Table 16 – 2006 State Funding Per Square Foot**

Classroom Construction Type	Site Type	Grade Level	Count	% of the 25 Projects	State Funding Per Square Foot			
					Minimum	Maximum	Mean	Median
Permanent	New Site	K-6	5	20%	\$115.67	\$154.99	\$136.95	\$140.39
Permanent	Addition	K-6	2	8%	\$199.02	\$199.02	\$199.02	\$199.02
Portable	New Site	K-6	0	0%				
Portable	Addition	K-6	8	32%	\$83.00	\$182.02	\$125.10	\$119.89
Modular	New Site	K-6	0	0%				
Modular	Addition	K-6	0	0%				
Permanent	New Site	7-8	0	0%				
Permanent	Addition	7-8	1	4%	\$208.42	\$208.42	\$208.42	\$208.42
Portable	New Site	7-8	0	0%				
Portable	Addition	7-8	1	4%	\$117.97	\$117.97	\$117.97	\$117.97
Modular	New Site	7-8	0	0%				
Modular	Addition	7-8	2	8%	\$132.77	\$148.24	\$140.51	\$140.51
Permanent	New Site	9-12	1	4%	\$127.08	\$127.08	\$127.08	\$127.08
Permanent	Addition	9-12	2	8%	\$177.63	\$214.91	\$196.27	\$196.27
Portable	New Site	9-12	0	0%				
Portable	Addition	9-12	3	12%	\$81.17	\$91.46	\$86.74	\$87.59
Modular	New Site	9-12	0	0%				
Modular	Addition	9-12	0	0%				
Overall Weighted Mean and Median							\$138.83	\$137.96

2006 Projects (cont.)

**Table 17 – 2006 Percentage of State Contribution**

Classroom Construction Type	Site Type	Grade Level	Count	% of the 25 Projects	Percentage of State Contribution			
					Min %State	Max %State	Mean %State	Median %/State
Permanent	New Site	K-6	5	20%	27.86%	45.11%	36.85%	39.87%
Permanent	Addition	K-6	2	8%	47.42%	47.54%	47.48%	47.48%
Portable	New Site	K-6	0	0%				
Portable	Addition	K-6	8	32%	49.20%	88.71%	63.41%	62.95%
Modular	New Site	K-6	0	0%				
Modular	Addition	K-6	0	0%				
Permanent	New Site	7-8	0	0%				
Permanent	Addition	7-8	1	4%	61.80%	61.80%	61.80%	61.80%
Portable	New Site	7-8	0	0%				
Portable	Addition	7-8	1	4%	64.74%	64.74%	64.74%	64.74%
Modular	New Site	7-8	0	0%				
Modular	Addition	7-8	2	8%	50.00%	50.00%	50.00%	50.00%
Permanent	New Site	9-12	1	4%	39.71%	39.71%	39.71%	39.71%
Permanent	Addition	9-12	2	8%	46.05%	58.69%	52.37%	52.37%
Portable	New Site	9-12	0	0%				
Portable	Addition	9-12	3	12%	46.59%	66.34%	55.55%	53.72%
Modular	New Site	9-12	0	0%				
Modular	Addition	9-12	0	0%				
Overall Weighted Mean and Median							52.97%	53.20%

## Percentage of State Contribution - All Projects by Subset Data

The statistics in the charts above are broken down by apportionment year. As previously stated, some of the means indicated are more significant than others, based on the number of projects available to study. In an attempt to provide more significant statistics on the individual subsets of data, the table below provides the minimum, maximum, mean, and median percentage of State contribution for all projects regardless of apportionment year<sup>23</sup>. See Appendix H for information on the statistical significance and confidence intervals of each of the means presented below.

The table displays a total weighted mean and median at the bottom. These values are weighted proportionally based on the number of projects in each subset of the data.

Table 18 – All Projects- Percentage of State Contribution

Classroom Construction Type	Site Type	Grade Level	Count	% of the 151 Projects	Percentage of State Contribution			
					Min %State	Max %State	Mean %State	Median %/State
Permanent	New Site	K-6	27	18%	21.07%	62.02%	36.80%	34.23%
Permanent	Addition	K-6	15	10%	18.46%	68.96%	44.84%	47.42%
Portable	New Site	K-6	0	0%				
Portable	Addition	K-6	26	17%	22.86%	108.57%	66.46%	65.01%
Modular	New Site	K-6	1	1%	23.97%	23.97%	23.97%	23.97%
Modular	Addition	K-6	19	13%	29.26%	100%	58.96%	53.00%
Permanent	New Site	7-8	10	7%	26.04%	42.50%	31.64%	29.69%
Permanent	Addition	7-8	8	5%	25.93%	61.80%	44.52%	44.77%
Portable	New Site	7-8	1	1%	56.44%	56.44%	56.44%	56.44%
Portable	Addition	7-8	4	3%	44.12%	64.74%	58.23%	62.03%
Modular	New Site	7-8	0	0%				
Modular	Addition	7-8	8	5%	38.50%	69.31%	53.17%	50.00%
Permanent	New Site	9-12	4	3%	34.65%	46.35%	39.26%	38.02%
Permanent	Addition	9-12	12	8%	17.08%	71.85%	40.91%	45.84%
Portable	New Site	9-12	0	0%				
Portable	Addition	9-12	6	4%	46.59%	86.13%	63.73%	60.03%
Modular	New Site	9-12	2	1%	33.95%	61.66%	47.81%	47.81%
Modular	Addition	9-12	8	5%	30.35%	91.64%	54.70%	46.38%
Overall Weighted Mean and Median							49.93%	48.33%

<sup>23</sup> The statistics represent the 166 projects in the sample set less the six projects that are a combined grade level type and the nine projects that are a combined construction type.

## Conclusion

The projects in this study represent a substantial State and local investment – exceeding two billion dollars. The 166 projects range in scope from a single portable classroom to sizeable permanent construction schools. The costs are as variable as the projects – ranging from \$99 per square foot to greater than \$950 per square foot. State funding ranges from \$53 per square foot to \$379. The enormous variety and disparity in project scope, cost, and funding keep underscoring the key findings of this study.

Those key findings – the disparity in project scope, the impact of local decisions affecting project cost, districts seeking less funding than projects can justify, the obtuse nature of the funding model – all interfere with a definitive answer to the perpetual debate over the adequacy of State school facility funding.

Local control is a fundamental tenet of the School Facility Program that allows districts the flexibility to meet local needs. Districts determine the design and building components in construction projects including the size, construction type, and quality – within their means. Architectural and design features vary greatly from one project to another. Local decisions and local resources affect the cost of projects.

Ninety-eight of the 166 study projects sought less funding than the project could justify – leaving approximately \$65.3 million to \$90.8 million “on the table.” This unsought money represents 6.6 percent to 9.2 percent of the overall funding for study projects.

The State funds delivered to projects have increased every year since the inception of the program. Nevertheless, the funding model is unclear and it appears to be based on unstated assumptions that may not match actual school construction practices. The program is formula-driven and takes a “one-size-fits-all” approach to school facility funding that delivers similar dollars to disparate projects. The lack of stated standards for funding – square footage per pupil, construction type, facility components, etc. – compromises the ability to judge the adequacy of State funding

One obvious aspect of this funding debate rarely gets any attention – cost control. Doubtless, most of the projects in this study exercised cost containment strategies. Some projects provide better examples of cost-containment than others. The Little Hoover Commission, in its June 2009 report on bond spending<sup>24</sup>, stated the following:

*Significant money could be saved statewide by establishing templates of architectural plans for school facilities. There are some limitations given the diversity of the state’s geography and climate as well as seismic differences. Beyond natural limitations, there also is a tendency for local school districts to want the freedom to custom design schools to put an individual architectural stamp in their communities. Additionally, every person involved in a school project development cycle – the architects, engineers, contractors, construction managers – are inadvertently incentivized to increase project cost as each party earns more when project costs go up.*

One means of deriving an answer to the ongoing question of appropriate State funding is to recast the funding model to make explicit rather than unstated assumptions, to identify square footage per pupil, to declare the State dollars per square foot, to provide funding that scales with project scope, and setting life-cycle cost-effective design as a standard. Without such a declaration, the perpetual debate over the adequacy of State school facility funding is irresolvable.

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<sup>24</sup> Bond Spending: Enhancing and Expanding Oversight, Little Hoover Commission, June 2009.



## Appendix A – Authority

### Education Code Section 17072.10:

- (a) The board shall determine the applicant's maximum total new construction grant eligibility by multiplying the number of unhoused pupils calculated pursuant to Article 3 (commencing with Section 17071.75) in each school district with an approved application for new construction, by the per-unhoused pupil grant as follows:
  - (1) Five thousand two hundred dollars (\$5,200) for elementary school pupils.
  - (2) Five thousand five hundred dollars (\$5,500) for middle school pupils.
  - (3) Seven thousand two hundred dollars (\$7,200) for high school pupils.
- (b) The board shall annually adjust the per-unhoused pupil apportionment to reflect construction cost changes, as set forth in the statewide cost index for class B construction as determined by the board.
- (c) Any regulations adopted by the board prior to July 1, 2000, that adjust the amounts identified in this section for qualifying individuals with exceptional needs, as defined in Section 56026, as amended after July 1, 2000, in consideration of the recommendations provided pursuant to Section 17072.15, shall continue in effect.
- (d) The board may establish a single supplemental per-unhoused pupil grant in addition to the amounts specified in subdivision (a) based on the statewide average marginal difference in costs in instances where a project requires multilevel school facilities due to limited acreage. The district's application shall demonstrate that a practical alternative site is not available.
- (e) For a school district having an enrollment of 2,500 or less for the prior fiscal year, the board may approve a supplemental apportionment of up to seven thousand five hundred dollars (\$7,500) for any new construction project assistance. The amount of the supplemental apportionment authorized pursuant to this subdivision shall be adjusted in 2008 and every year thereafter by an amount equal to the percentage adjustment for class B construction.
- (f) This section is operative January 1, 2008.

### Education Code Section 17072.11:

- (a) All of the following shall apply on and after July 1, 2006:
  - (1) The per-unhoused pupil grant eligibility determined under paragraphs (1) and (2) of subdivision (a) of Section 17072.10 shall be increased by 7 percent.
  - (2) The per-unhoused pupil grant eligibility determined under paragraph (3) of subdivision (a) of Section 17072.10 shall be increased by 4 percent.
  - (3) The board shall conduct an analysis of the relationship between the per-unhoused pupil grant eligibility determined under this article and the per-pupil cost of new school construction for elementary, middle, and high school pupils.
- (b) On or after January 1, 2008, the board shall increase or decrease the per-unhoused pupil grant eligibility determined pursuant to subdivision (a) by amounts it deems necessary to cause the grants to correspond to costs of new school construction, provided that the increase in any fiscal year pursuant to this section shall not exceed 6 percent.



# Appendix B – Project Information Worksheet

STATE OF CALIFORNIA  
**PROJECT INFORMATION WORKSHEET**  
NEW CONSTRUCTION PROJECTS ONLY  
(NEW 09/07)

STATE ALLOCATION BOARD  
OFFICE OF PUBLIC SCHOOL CONSTRUCTION  
Page 1 of 7

## INFORMATION

The information collected using this form is necessary in order to conduct an analysis of the relationship between the per-unhoused-pupil grant eligibility and the per-pupil cost of new school construction for grades K-12 pursuant to Education Code Section 17072.11, to meet the requirements for bond accountability, and the status of the bid climate.

## INSTRUCTIONS

This worksheet is to be completed and submitted with the *Fund Release Authorization* (Form SAB 50-05) for all new construction projects that are completing Part IV of the Form 50-05.

This worksheet is to be completed and submitted with the *Expenditure Report* (Form SAB 50-06) for all new construction projects that have received a fund release pursuant to Part IV of the *Fund Release Authorization*.

Attach to this form the accepted bid documents including additive/deductive alternates.

**Completed By:** Enter the name and title of the person completing this worksheet.

**Phone Number:** Enter the contact phone number for the person completing this worksheet.

**Date Completed:** Enter the date that the form was completed.

**Application Number(s):** Insert the application number provided by the Office of Public School Construction (OPSC). Include the project number(s) of any other associated State funded projects. (e.g. joint-use)

**School District:** Insert the name of the school district where the project is located.

**County:** Insert the name of the county where the project is located.

**Project Tracking Number:** Insert the project tracking number provided by the OPSC, the California Department of Education (CDE), and the Division of the State Architect (DSA).

**Project Name:** Insert the name of the project (ex. – ABC Elementary School).

Indicate the time period that this form was filled out by checking the appropriate box. Enter the estimated percentage of the project completed. The percentage completed shall be the same as that which is reported on the *Expenditure Report*.

## Project Funding

Please provide actual amounts when available and estimates as necessary. Indicate whether the amount reported is the actual or an estimate by checking the appropriate box.

1. Check yes or no to indicate if this is a financial hardship project.
2. Funds available (include site acquisition). If the project includes square footage from other State funded projects (e.g. joint-use), report the funds available from that project.
  - a. Enter the total actual amount of the State Apportionment(s) for this project (sum of 1 and 2).
    1. Enter the amount of the State Apportionment for this project
    2. Enter the amount of the State Apportionment for the joint-use project (if applicable).
  - b. Enter the estimated or actual amount of interest earned on State funds for this project.
  - c. Enter the total actual amount of the District Match for this project (sum of 1 and 2).
    1. Enter the amount of the District Match for this project.
    2. Enter the amount of the District Match for any joint-use project (if applicable).
  - d. Enter the estimated or actual amount of any additional local (district) funds that were necessary to complete this State funded project.

Please provide actual contract amounts when available and estimates as necessary. Indicate whether the amount reported is the actual contract amount or an estimate by checking the appropriate box.

1. **Site Acquisition Costs**  
Enter the total cost for site acquisition, including State share, district share, and any additional local funds. Include any costs for environmental studies and fees.
2. **Bid/Construction Contract(s) Data.** If the bid(s) includes square footage for other State funded projects (e.g. joint-use), include all associated costs.
  - a. Enter the accepted base bid amount prior to any accepted additive/deductive alternates for all contracts. If there is more than one contract signed (e.g. multiple-prime, etc.) please enter the total of all base bids.
  - b. Enter the amount of all accepted additive/deductive alternates for all contracts.
  - c. Enter the amount of the total construction contract(s). Include the amount of any change orders or addendums, if applicable.
    1. Enter the amount of the building cost in the contract(s).
    2. Enter the estimated amount of the site development work, including service site, offsite, utilities, and general site, included in the contract(s).
    3. Enter the amount of any other construction costs included in the contract(s) (e.g. demolition, interim housing, Labor Compliance Program, General Condition fees, as applicable). If using construction management, enter any general condition fees in 5 below. *Do not include any costs listed in 5 below.*
3. Enter the amount of actual and estimated (not yet contracted, invoiced or obligated) soft costs for the project (e.g. tests and inspections, architect fees, etc.) *Do not include any costs reported in 4 below.*
4. Enter the amount of the estimated remaining hard costs not yet contracted, invoiced or obligated (e.g. portions of work not yet bid, etc.) that are necessary for the completion of this project. *Do not include any costs reported in 3 above.*
5. Enter the amount of Construction Management Fees. If the project is being bid as multiple-prime, include costs for general conditions, etc. *Do not include any costs listed in 2(c)(3) above.*
6. Enter the actual or estimated amount for project contingencies.
7. Enter the actual or estimated amount for furniture and equipment.
8. Enter the amount of the Total Project Cost (do not include site acquisition costs). This amount should be equal to the sum of 2c, 3, 4, 5, 6 and 7 above.

Joint-Use Information

1. Check yes or no to indicate whether the project includes a joint-use partner, even if the joint-use project does not include State funding. Enter the OPSC application number if applicable.
2. Check the appropriate box to indicate which type of joint-use partner is included in the joint-use project.
3. Check yes or no to indicate whether the joint-use partner is contributing capital funding towards this project. If applicable, enter the dollar amount the joint-use partner is contributing.
4. Check which facility(ies) are part of the joint-use project. If other is chosen, please explain the type of joint-use project.

Project Information

- Choose from the drop down menu the type of project that is being built (e.g. new school, addition, etc.)
- Choose from the drop down menu the type of school that best describes this project (e.g. elementary, middle, etc.)
- Select what outdoor facilities you have and how many of each are in the project. If the facility is considered multiple use, check the box that best represents what the facility will be used for the majority of the time. If the project consists of any other playfields not listed, check "other" and explain.
- Check the boxes of the grade levels in the project. Based upon the District's loading standard, enter the number of pupils that can be served at each grade level.

- Enter the master plan site capacity of the project based on single-track use and local district loading standards. Based on teacher contracts and/or local loading standards this number may be different from the number of pupils requested on the *Application for Funding*.
- Enter the square footage of the parking structure (if applicable).
- Enter the total net useable site acreage of the project.

**Component Types:**

- Choose all components that are included in the project. Include the number of each type of facility. Indicate the number of each type of classroom building(s) (e.g. 8 permanent, 4 portable). Indicate if there are any stand-alone restroom buildings. If indicating "other" facilities, a detailed listing of those facilities is not required unless the facility being constructed is atypical or a non-standard facility. If so, then please explain.
- From the pull down menu, choose the main type of construction for each of the buildings in the project (e.g. permanent, modular, portable).
- Enter the square footage of each component that was in the DSA approved plans at the time the project was apportioned by the State Allocation Board (SAB). If more than one component is contained in the same building, in order to prevent duplication, report the square footage by each component. (e.g. library in administrative building, report the square footage under the library and administration under administration). If a building is a classroom building report the square footage of the entire building (e.g. hallways, mechanical area, teacher workrooms, etc.).
- At the time of fund release, only complete this section if there has been a change in scope in the DSA approved plans since the time the project was apportioned by the SAB. Enter the square footage of each component that is in the plans (including any adjustments for addendums or changes orders) when the district submitted its *Fund Release Authorization*. Indicate the square footage of any stand-alone restroom buildings.
- Enter the square footage for each component in the plans (including any adjustments for addendums or changes orders) at the time of the first annual expenditure report and at the time of the final expenditure report.

***Total Square Feet All Facilities***

- Enter the total building square footage for all facilities in the project. When calculating the square footage, include the total square footage identified on the DSA approved plans for all facilities. Be sure to use the same methodology when calculating square footage for each reporting period.
  - From the total square footage entered above, enter the amount of square footage that is considered stick-built.
  - From the total square footage entered above, enter the amount of square footage that is considered permanent modular.
  - From the total square footage entered above, enter the amount of square footage that is considered portable pursuant to Education Code Section 17070.15(j).

***Total Building Cost (Per Square Foot)***

- When completing the Worksheet for the first time, enter the original estimated building cost per square foot. For subsequent reports, enter the current estimated or actual cost per square foot. To determine the cost per square foot, divide the total building cost, excluding site acquisition and site development costs (service site, off-site, utilities, parking structures, and general site) by the total building square footage as reported.

**Additional Information:** This information is being collected to evaluate the bid climate.

1. Enter the number of bidders on this project. If more than one contract was signed for this project (e.g. Multiple-Prime), enter the average number of bidders per trade.
2. Enter the date(s) the bid(s) opened. If more than one bid date, enter the opening bid date of the first bid package.
3. Enter the number of times the project was re-bid, if applicable.

4. Describe the accepted additive/deductive alternates that were included in the project costs. Indicate whether they included facilities or building elements. If the additive/deductive alternate included buildings, please indicate the square footage.
5. Check yes or no to indicate if the contract(s) includes any facilities or other construction that have not yet been identified elsewhere on this form. If yes, explain what those facilities or construction include.
6. Check yes or no to indicate whether the SAB approved project was modified due to cost.
  - a. If yes explain briefly what measures were taken (e.g. from permanent classrooms to portable etc.)
7. Indicate what facilities, components, or elements, if any, that were included in the SAB approved project have been eliminated. Indicate if any facilities, components, or elements, were added to the project. Provide a brief explanation as to why they were altered.
  - a. If the project received an Adjusted Grant fund release on or after November 1, 2007, check yes or no to indicate whether any facilities and/or square footage that was added or deleted was approved by the CDE, and/or the DSA, and/or the SAB. Please attach the appropriate documentation.
  - b. Check yes or no to indicate if the facilities are intended to be deferred to a later phase. If yes, please explain.
 

Please note: If you have, or are considering a deviation to the scope of work outlined in the SAB approved project plans, please consult with the CDE, the DSA and the SAB.
8. Check yes or no to indicate whether there were any local requirements or ordinances the district had to meet that were not covered within the State program(s) provisions (e.g. road or street improvements, utilities, or fees demanded by another local agency, etc.)
  - a. Check yes or no to indicate whether or not these costs were included in the construction contract.
  - b. If yes, describe the local requirement and the associated costs.
9. Check yes or no to indicate whether or not you utilized existing architectural plans from another project.
  - a. If yes, indicate how many times the plans have been re-used within the district. Indicate the name(s) of the project(s).
  - b. Indicate the name any other school districts that have used these plans, if known. Indicate the name of the architect who designed the plans.

**Comments/Additional Information**

Please provide any additional information about this project that you think will be helpful in completing the analysis.

**PROJECT INFORMATION WORKSHEET**  
NEW (06/07)

The information collected using this form is necessary in order to conduct an analysis of the relationship between the per-unhoused-pupil grant eligibility and the per-pupil cost of new school construction for grades K - 12 pursuant to Education Code Section 17072.11, to meet the requirements for bond accountability, and status of the bid climate.

COMPLETED BY	TITLE
PHONE NUMBER	DATE COMPLETED
APPLICATION NUMBER(S)	
SCHOOL DISTRICT	COUNTY
PROJECT TRACKING NUMBER	PROJECT NAME
REPORTING PERIOD	
<input type="checkbox"/> FUND RELEASE (FORM SAS 50-05) <input type="checkbox"/> ANNUAL REPORTING PERIOD (FORM SAS 50-06)                    PERCENT COMPLETED _____	

**PROJECT FUNDING**

1. Is this a Financial Hardship Project?  Yes  No

	AMOUNT	ESTIMATE	ACTUAL
2. Funds Available:			
a. Total Amount of State Apportionment(s):	\$	<input type="checkbox"/>	<input type="checkbox"/>
1. Project:	\$	<input type="checkbox"/>	<input type="checkbox"/>
2. Joint-Use (if applicable):	\$	<input type="checkbox"/>	<input type="checkbox"/>
b. Interest Earned on State Apportionment for this project:	\$	<input type="checkbox"/>	<input type="checkbox"/>
c. Total District Match:	\$	<input type="checkbox"/>	<input type="checkbox"/>
1. Project:	\$	<input type="checkbox"/>	<input type="checkbox"/>
2. Joint-Use (if applicable):	\$	<input type="checkbox"/>	<input type="checkbox"/>
d. Additional Local Funds Necessary to Complete State Funded Project:	\$	<input type="checkbox"/>	<input type="checkbox"/>

**PROJECT COSTS**

	AMOUNT	ESTIMATE	ACTUAL
1. Total cost for site acquisition (State share & District amount):	\$	<input type="checkbox"/>	<input type="checkbox"/>
2. Bid/Construction Contract Data:			
a. Accepted Base Bid Amount Prior to additive/deductive alternates:	\$	<input type="checkbox"/>	<input type="checkbox"/>
b. Amount of accepted additive/deductive alternates:	\$	<input type="checkbox"/>	<input type="checkbox"/>
c. Total Construction Cost:	\$	<input type="checkbox"/>	<input type="checkbox"/>
1) Building Cost in Contract(s):	\$	<input type="checkbox"/>	<input type="checkbox"/>
2) Site Development in Contract(s):	\$	<input type="checkbox"/>	<input type="checkbox"/>
3) Other (Mobile Housing, Demolition, General Conditions, if applicable):	\$	<input type="checkbox"/>	<input type="checkbox"/>
3. Soft Costs (e.g., tests and inspections, architect fees, etc.):	\$	<input type="checkbox"/>	<input type="checkbox"/>
4. Estimated Remaining Project Cost Not Yet Contracted (Hard Costs):	\$	<input type="checkbox"/>	<input type="checkbox"/>
5. Construction Management Fees (General Conditions, if applicable):	\$	<input type="checkbox"/>	<input type="checkbox"/>
6. Contingency:	\$	<input type="checkbox"/>	<input type="checkbox"/>
7. Furniture and Equipment:	\$	<input type="checkbox"/>	<input type="checkbox"/>
8. Total Project Cost (Sum of 2c, 3, 4, 5, 6 and 7):	\$	0.00	

**JOINT-USE INFORMATION:**

1. Did the project include a joint-use partner?  Yes  No OPSC Application Number (if applicable): \_\_\_\_\_

2. Which type of joint-use partner did it include?  Non-Profit  Government  Higher Education  Other (Explain) \_\_\_\_\_

3. Did the joint-use partner contribute any capital funding towards the construction of the project?  Yes  No  
If yes, how much? \$ \_\_\_\_\_

4. Which facilities were involved?  Gymnasium  Multi-Purpose Room  Teacher Education Facility  
 Library  Childcare Facility  Other (Explain) \_\_\_\_\_

**PROJECT INFORMATION WORKSHEET**  
(Revised)

**PROJECT INFORMATION**

Project Type  Sched. Type

Master Plan Site Capacity of project (Based on single-track use and local district building standards):	
Square footage of parking structure (if applicable):	
Net Usable Site Size (Acres):	

Outdoor Physical Education Facilities: (Check all that apply)	
FACILITY	NUMBER
<input type="checkbox"/> Baseball Diamond	
<input type="checkbox"/> Softball Diamond	
<input type="checkbox"/> Football/Soccer Field	
<input type="checkbox"/> Playground/Hardcourt/Turf	
<input type="checkbox"/> Track	
<input type="checkbox"/> Swimming Pool	
<input type="checkbox"/> Stadium	
<input type="checkbox"/> Other (Specify)	

Grade and Number of Pupils Served: (Check all that apply)	
GRADE	PUPILS SERVED
<input type="checkbox"/> K	
<input type="checkbox"/> 1	
<input type="checkbox"/> 2	
<input type="checkbox"/> 3	
<input type="checkbox"/> 4	
<input type="checkbox"/> 5	
<input type="checkbox"/> 6	
<input type="checkbox"/> 7	
<input type="checkbox"/> 8	
<input type="checkbox"/> 9	
<input type="checkbox"/> 10	
<input type="checkbox"/> 11	
<input type="checkbox"/> 12	
<input type="checkbox"/> Non-Sexes	
<input type="checkbox"/> Sexes	

COMPONENT TYPES: (Complete if applicable)	CONSTRUCTION TYPE (CHOOSE FROM ROLL DOWN MENU)	SQUARE FOOTAGE FROM DBA APPROVED PLAN	FUND RELEASE SQUARE FOOTAGE (SCORE CHANGE ONLY)	PRIST	FINAL
				ANNUAL REPORT	EXPENDITURE REPORT
	NUMBER			SQUARE FOOT	SQUARE FOOT
<input type="checkbox"/> Classrooms					
<input type="checkbox"/> Classrooms					
<input type="checkbox"/> Classrooms					
<input type="checkbox"/> Multi-Purpose Room/Cafeteria					
<input type="checkbox"/> Cafeteria - Stand Alone					
<input type="checkbox"/> Kitchen					
<input type="checkbox"/> Library					
<input type="checkbox"/> Gym/Showers Locker Room					
<input type="checkbox"/> Administration/Support					
<input type="checkbox"/> Performing Arts Facility					
<input type="checkbox"/> Restroom Building					
<input type="checkbox"/> Other (Specify)					
<b>Total:</b>			0	0	0

<b>Total Square Feet All Facilities:</b>
Permanent:
Modular:
Portable:

<b>Total Building Cost (Per Square Foot)</b>	
ORIGINAL ESTIMATE	CURRENT ESTIMATE/ACTUAL
\$	\$

**ADDITIONAL INFORMATION: This information is being collected to evaluate the bid climate.**

1. How many bidders bid the project? \_\_\_\_\_
  2. What date did the bid(s) open? \_\_\_\_\_
  3. How many times was the project re-bid? \_\_\_\_\_
  4. Please describe the accepted additive/deductive alternates:  
 Facilities (e.g., Multi-Purpose, Gym, Library) SQ. FT. \_\_\_\_\_  
 Building Elements (e.g., metal roof, glazing) \_\_\_\_\_
  5. Did this contract(s) include any facilities or other construction that has not yet been identified on this form?  
 Yes  No Explain. \_\_\_\_\_  
\_\_\_\_\_
  6. Was the project modified due to cost?  Yes  No  
a. What measures were taken? (e.g., permanent to portable) Explain \_\_\_\_\_  
\_\_\_\_\_
  7. Indicate which facilities or elements were eliminated to meet the project budget and/or indicate any facilities that were added to the project. Provide a brief explanation of why they were eliminated. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  - a. Answer the following question only if the project received an Adjusted Grant fund release on or after November 1, 2007. Were the facilities and/or square footage that was added or deleted approved by:  
the CDE  Yes  No  
the DSA  Yes  No  
the SAB  Yes  No  
Please attach the appropriate documentation.
  - b. Are these buildings considered deferred until a later date?  Yes  No  
If yes, explain. \_\_\_\_\_  
\_\_\_\_\_
  8. Were there any local requirements or ordinances the district had to meet that were not funded with State funds (e.g., road, street improvements, utilities, fees)?  Yes  No  
a. If yes, were these costs included in the contract?  Yes  No  
b. If yes, please specify the local requirement and the associated cost. \_\_\_\_\_ Cost: \$ \_\_\_\_\_
  9. Did you utilize existing architectural plans from another project?  Yes  No  
a. If yes, how many times were these plans re-used within the district? \_\_\_\_\_ Project Name(s): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
b. Indicate which other districts have used these plans, if known. \_\_\_\_\_  
Who was the architect? \_\_\_\_\_
- Comments/Additional Information \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



## Appendix C – History of Grant Adequacy Studies

### *School Facility Program*

The School Facility Program new construction funding model includes per-pupil grants – used for general design and construction costs – and supplemental grants for specific costs such as site development, site acquisition, and other project features. The program is formula-driven and takes a “one-size-fits-all” approach to school facility funding that delivers similar dollars to disparate projects.

The State allocation board annually increases pupil and dependent supplemental grants according to a construction cost index.<sup>25</sup> These increases have occurred each year since 1999.

As the real estate boom (now bust) was raging in the middle part of this decade, a perpetual debate emerged on the adequacy of State funding for school construction projects. In reaction to this debate, Assembly Bill 127 provided a one-time increase in July 2006 of seven percent for elementary and middle school grants and four percent for high school grants.

Assembly Bill 127 also authorizes the State Allocation Board to increase or decrease the new construction pupil grants for elementary, middle, and high school pupils based on an analysis of the current costs to build a school. This provision of Assembly Bill 127 is the catalyst for this study and the Macias grant adequacy study. In June 2008, the Board increased the pupil grants by the maximum six percent authorized by Assembly Bill 127. Collectively, the pupil grant has increased by 80 percent for elementary and middle school grants and 75 percent for high school grants since 1998. The increase has been dramatic since 2004 – with elementary and middle school grants increasing by 55 percent and high school grants increasing by 50 percent in that time.

### *Macias, Gini & O’Connell*

Macias Gini & O’Connell conducted an independent grant adequacy study in 2007-2008. Macias developed its methodology in consultation with the Legislative Analyst’s Office, the Division of the State Architect, the Office of State Audits and Evaluations, and the education section of the Department of Finance. The methodology was presented at a special public meeting on October 5, 2007 and the final report was presented at the January 30, 2008 State Allocation Board meeting. The study methodology employed four elements:

1. Analysis of new school construction based on a comparison of School Facility Program funding and a McGraw-Hill school construction cost database.
2. Analysis of California Department of Education’s June 27, 2007 report on the components of a complete school
3. Analysis of new school construction based on a comparison of School Facility Program funding and construction cost surveys supplied by participating school districts.
4. Analysis of six project case studies.

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<sup>25</sup> Education Code Section 17072.10(b) dictates the use of a “Class B” construction cost index for the grant adjustment. The Board uses the Marshall & Swift Construction Cost Index.

The Macias New School Construction Grant Adequacy Study<sup>26</sup> received heavy criticism from stakeholders and the Board rejected the study.

## *The Complex and Multi-Faceted Nature of School Construction Costs*

In 2008, the University of California-Berkeley released a study, *The Complex and Multi-Faceted Nature of School Construction Costs*<sup>27</sup>, which discussed factors that affect school construction costs in California and how these costs compare with those in other states.

The study authors identified the lack of quality data on school construction as one of the major conclusions of the study. The study went on to state that this information was necessary to perform an analysis. The report identified the Project Information Worksheet as a possible format to collect this information.

These studies relied on a McGraw-Hill database of school construction costs. This database has been one of the points of criticism.

## *Data Collection Efforts and the Creation of the Project Information Worksheet*

In December 2005, a State Allocation Board sponsored grant adequacy ad hoc committee developed a survey to assess the costs of school construction in California. In early 2006, this survey was mailed to 231 school districts to gather data on current school construction costs. Few school districts responded to the survey and most of the returned surveys were incomplete and inaccurate. Conclusive recommendations regarding the adequacy of grants were not possible absent reliable and comprehensive data.

In September 2006, the State Allocation Board approved regulations to implement grant increases according to Assembly Bill 127. However, the proposed regulations were later withdrawn from the Office of Administrative Law and could not be resubmitted until a method to capture school construction costs was approved by the Board. The Project Information Worksheet, based on the earlier survey, was presented to the Board in the summer of 2007. Following comments from Board members and the audience, work resumed with stakeholders to refine the form.

The Board approved the final Project Information Worksheet in September 2007. School districts now submit this document at three stages for all new construction projects— at fund release, with the first annual report following the fund release, and with the final expenditure report. The establishment of the Project Information Worksheet has enabled the collection of the richest dataset on public school construction costs in California's history.

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<sup>26</sup> Macias Gini & O'Connell, LPP. January 24, 2008. New School Construction Grant Adequacy Study

<sup>27</sup> Vincent, Jeffery M. and Deborah McKoy. June 2008. *The Complex and Multi-Faceted Nature of School Construction Costs: Factors Affecting California*. Center for Cities and Schools, University of California-Berkeley

## Appendix D – Projects Excluded from Analysis

### *Special Day Class Projects*

Assembly Bill 127 authorizes the State Allocation Board to adjust three of the pupil grants: Elementary (K-6), Middle (7-8) and High (9-12). The Assembly Bill 127 adjustments excluded Special Day Class Non-Severe, and Special Day Class Severe grants. Recently enacted legislation remedies this oversight effective January 1, 2010.<sup>28</sup>

This study, therefore, excludes projects that contain only Special Day Class pupil grants; however, the study includes projects that contain both K-12 grants and Special Day Class grants.

### *Financial Hardship Projects*

Financial Hardship projects receive up to twice as much State funding as non-hardship projects. These projects represent approximately 18 percent of all projects funded by the Board. A project can receive hardship funding at three stages – design, site, and full funding. Financial Hardship districts cannot contribute funds above the State funding to projects that receive hardship funding at the full funding stage. Therefore, hardship districts keep the project costs within the State funding. Including Financial Hardship projects might skew the results of this study. Consequently, this analysis excludes all but two Financial Hardship projects.

These two projects received Financial Hardship assistance at the design and/or the site funding stage only and therefore could receive additional local funds.

### *“Use of Grants” Projects*

Districts meeting specific requirements may divert pupil grants to construct a core facility and/or to build classrooms at a different grade level. This practice is known as a “Use of Grants.”

This analysis excludes these projects because they do not fit the typical funding structure.

### *Facility Hardship Projects*

Contrary to the typical funding structure, grants for facility hardship new construction projects that replace a building on an existing site are calculated based on a square footage allowance and do not include pupil grants.

This analysis excludes these projects because they do not include pupil grants and therefore are not useful for the scope of this study.

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<sup>28</sup> Senate Bill 334 (Ducheny).

## *Incomplete or Incorrect Information*

An attempt to obtain corrected project data from districts proved time-intensive. For future analysis, a process for identifying incomplete or inaccurate information and requesting corrections from districts at the time of submittal has been incorporated, as well as improvements in on-line instructions to the Project Information Worksheet.

This study excludes projects missing essential information or with obvious data reporting errors such as, failing to report project cost, square foot, bid year, and construction type.

For all of the projects, the individual categories of project costs were summed to verify the districts' total construction costs. A range of allowable errors was created to account for situations when the sums did not match. If the sum differed by more than 10 percent or \$50,000, the project was excluded, as there was no way to determine whether the project costs indicated were correct, as this represented an error of material significance. If the sums differed by less than 10 percent or less than \$50,000, it was assumed that the Project Information Worksheet contained an acceptable arithmetic error, and the projects were re-summed and included in this analysis.

This analysis excludes projects indicating a State contribution that differs by more than 10 percent under or 5 percent over the correct amount. The actual State contribution (excluding financial hardship) and the State Apportionment were checked, which includes financial hardship funds. For projects that did not match but were within the acceptable limits, the grant amounts approved by the Board were used in calculating statistics.

This analysis also excludes projects with a classroom reporting discrepancy greater than five classrooms versus the number verified at the time of project funding. The discrepancies could be due to a reporting error or a change of project scope. Either case could skew the study results.

## *Outliers*

An outlier is an extreme measurement that stands out from the rest of the sample and may be faulty (incorrectly recorded observations, very unusual measurements from the same population, etc.). In statistical studies, outliers have significant impact when calculating descriptive statistics. For example, some projects in the sample set appear to report the square footage of the entire school site instead of just for the relevant addition project. In an attempt to identify outliers, frequency distribution tables were created using six categories. In each category, a small number of extreme measurements fell outside of the range of the vast majority of other projects. The following categories were used to determine outliers: construction cost per square foot, State funding per square foot, construction cost per classroom, construction cost per pupil housed, percentage of State contribution, and square footage per pupil.

The tables on the following page lists the projects excluded from the study and the reason for the exclusion.

Project Number	Project Information Worksheet Incomplete or Incorrect							Grant Structure Issue				Outliers					
	State Funding Amount	Square Footage	Project Costs	Site Acquisition Costs	Total Classrooms	Total Project Cost	Bid Year	Financial Hardship	Special Day Class Only	Use of Grants	Facility Hardship- No Pupil Grants	Cost Per Square Foot	Funding Per Square Foot	Cost Per Classroom	Cost Per Pupil (Loading)	Percentage of State Contribution	Square Foot Per Pupil
50/10090-99-001							X	X									
50/10124-00-001								X		X							
50/10207-00-018								X		X							
50/10280-00-001	X																
50/10330-98-025								X	X								
50/10330-98-031								X	X								
50/10363-02-044	X							X	X								
50/10363-02-047								X	X								
50/10363-02-048	X							X	X								
50/10363-02-054								X	X								
50/10447-00-001	X							X	X								
50/10504-00-012								X	X								
50/10504-00-017	X								X								
50/61176-00-001										X							
50/61192-01-002	X	X			X				X								
50/61200-00-003										X							
50/61564-00-002							X										
50/61622-00-001							X										
50/61655-00-010													X	X		X	
50/61762-00-007								X									
50/61762-00-008								X									
50/61762-00-010								X									
50/61804-00-035											X		X	X			
50/62117-00-013											X						
50/62117-00-014		X			X		X										
50/62117-00-015			X				X										
50/62265-00-006	X																
50/62414-00-006							X			X							
50/63016-00-001		X			X			X		X							
50/63024-00-001								X									
50/63131-00-003								X									
50/63362-00-032							X										
50/63362-00-033							X										
50/63529-00-004					X												
50/63545-00-001		X			X		X			X							
50/63677-00-001					X		X										
50/63677-00-002							X										
50/63925-00-003	X				X												
50/63990-00-002										X							
50/64436-01-014						X											
50/64451-00-010	X																

Project Number	Project Information Worksheet Incomplete or Incorrect							Grant Structure Issue				Outliers					
	State Funding Amount	Square Footage	Project Costs	Site Acquisition Costs	Total Classrooms	Total Project Cost	Bid Year	Financial Hardship	Special Day Class Only	Use of Grants	Facility Hardship- No Pupil Grants	Cost Per Square Foot	Funding Per Square Foot	Cost Per Classroom	Cost Per Pupil (Loading)	Percentage of State Contribution	Square Foot Per Pupil
50/64667-00-006					X			X									
50/64683-00-005									X								
50/64683-00-006									X								
50/64733-00-041					X					X							
50/64733-00-119							X										
50/64733-00-124							X										
50/64733-00-128							X										
50/64733-00-130							X										
50/64733-00-133							X										
50/64733-00-143					X												
50/64865-00-001					X												
50/64865-00-002					X												
50/64998-00-014					X												
50/65128-00-005							X			X							
50/65193-00-004				X													
50/65201-00-001								X									
50/65201-00-002								X									
50/65201-00-003								X									
50/65201-00-004								X									
50/65722-00-002								X									
50/66084-00-001								X									
50/66431-01-002										X							
50/66449-00-001					X												
50/66514-00-008					X												
50/66647-00-030										X							
50/66647-00-031																	X
50/66803-00-006						X											
50/66910-00-012	X				X		X										
50/66951-00-005							X										
50/66977-00-024								X									
50/66977-00-026								X		X							
50/67082-00-012											X	X	X				
50/67090-00-010												X					X
50/67116-00-010						X											
50/67124-00-011										X							
50/67124-00-018										X							
50/67124-00-019										X							
50/67124-00-022										X							
50/67124-00-028																	X
50/67173-01-012						X											
50/67215-00-020									X								

Project Number	Project Information Worksheet Incomplete or Incorrect							Grant Structure Issue				Outliers					
	State Funding Amount	Square Footage	Project Costs	Site Acquisition Costs	Total Classrooms	Total Project Cost	Bid Year	Financial Hardship	Special Day Class Only	Use of Grants	Facility Hardship- No Pupil Grants	Cost Per Square Foot	Funding Per Square Foot	Cost Per Classroom	Cost Per Pupil (Loading)	Percentage of State Contribution	Square Foot Per Pupil
50/67249-00-012	X			X													
50/67652-00-011						X										X	
50/67843-00-006					X												
50/67850-00-003								X									
50/67850-00-004								X									
50/67876-00-045								X	X								
50/67876-00-046								X	X								
50/67876-00-048	X							X	X								
50/67876-00-050	X							X	X								
50/67876-00-057								X	X								
50/67876-00-058								X	X								
50/67876-00-059								X	X								
50/67876-00-063								X	X								
50/67959-00-008						X											
50/68296-00-016	X		X	X	X		X										
50/68296-00-016	X		X	X	X		X										
50/68296-00-017					X		X										
50/68296-00-018	X		X				X										
50/68296-00-019						X											
50/68411-01-029					X												
50/68411-02-005					X												
50/68452-00-016									X								
50/68577-00-001					X				X								
50/68585-00-018									X								
50/68593-00-019						X									X		
50/68593-00-021						X									X		
50/68676-01-001						X											
50/68676-02-001									X								
50/68726-00-001						X											
50/68890-00-001									X								
50/69047-01-001					X				X								
50/69484-00-004	X	X	X	X	X		X										
50/69542-00-001						X											
50/69666-04-001									X								
50/69666-10-002		X			X				X								
50/70540-00-020				X													
50/71068-00-005								X									
50/71068-00-006	X			X	X			X		X							
50/71084-00-001								X									
50/71217-00-008			X														
50/71290-00-002						X											

Project Number	Project Information Worksheet Incomplete or Incorrect							Grant Structure Issue				Outliers					
	State Funding Amount	Square Footage	Project Costs	Site Acquisition Costs	Total Classrooms	Total Project Cost	Bid Year	Financial Hardship	Special Day Class Only	Use of Grants	Facility Hardship- No Pupil Grants	Cost Per Square Foot	Funding Per Square Foot	Cost Per Classroom	Cost Per Pupil (Loading)	Percentage of State Contribution	Square Foot Per Pupil
50/71290-00-003					X												
50/71290-00-004						X											
50/71381-00-002	X																
50/71464-00-006					X					X							
50/71621-00-001	X	X			X		X										
50/71621-00-002	X	X			X		X										
50/71621-00-003	X	X			X		X										
50/71647-00-001					X			X									
50/71654-00-003	X						X	X									
50/71860-00-003							X	X									
50/71860-00-004							X	X									
50/71860-00-005							X	X									
50/71993-00-003								X		X							
50/71993-00-005								X		X							
50/72009-00-001								X									
50/72173-00-004								X									
50/72256-00-020				X			X										
50/72256-00-023				X													
50/72256-00-024						X											
50/72538-00-006					X												
50/72538-00-007						X									X		
50/72678-00-006							X										
50/72694-00-006										X							
50/72694-00-008				X													
50/72736-00-001						X											
50/72736-00-002						X											
50/72736-00-010						X											
50/73460-00-009										X							
50/73635-01-001										X							
50/73635-03-001										X							
50/73635-03-002										X							
50/73635-04-001		X			X				X								
50/73635-04-002		X			X												
50/73635-04-003		X			X												
50/73643-00-010							X			X							
50/73676-02-004					X												
50/73791-00-006						X											
50/73791-00-007						X											
50/73981-00-003					X												
50/73999-00-003						X											
50/75044-00-027													X				

Project Number	Project Information Worksheet Incomplete or Incorrect							Grant Structure Issue				Outliers					
	State Funding Amount	Square Footage	Project Costs	Site Acquisition Costs	Total Classrooms	Total Project Cost	Bid Year	Financial Hardship	Special Day Class Only	Use of Grants	Facility Hardship- No Pupil Grants	Cost Per Square Foot	Funding Per Square Foot	Cost Per Classroom	Cost Per Pupil (Loading)	Percentage of State Contribution	Square Foot Per Pupil
50/75044-00-028						X											
50/75044-00-029			X				X										
50/75044-00-030							X										
50/75077-00-016																	X
50/75077-00-017																	X
50/75085-00-012									X								
50/75192-00-035																	X
50/75283-00-013	X				X												
50/75283-00-014		X	X	X	X		X		X								
50/75366-00-004									X								
50/75499-00-015											X		X	X			
50/75499-00-017						X											
50/75523-00-006						X											
50/75549-00-005						X											
50/75556-00-001					X												
50/75564-00-005	X																
50/75580-00-003									X								
50/75606-00-001								X									
50/75713-00-014					X												
51/64311-00-001											X						
51/65581-00-001											X						
51/66597-00-002											X						
51/67801-00-001								X									
51/73569-00-001					X												
53/62166-00-002		X	X	X	X												
53/64733-00-024					X		X										
53/64733-00-081						X											
53/64733-00-085					X												
53/64733-00-092					X												
53/64733-00-133						X											
53/64733-00-145					X												
53/64733-00-150					X												
53/64733-00-183					X												
53/64733-00-222					X												
53/64733-00-384													X	X			
53/64733-00-700					X												
53/64733-00-702					X												
53/64733-00-705					X												
53/64733-00-806					X												
53/66423-00-001	X				X												
53/66670-00-004									X								

Project Number	Project Information Worksheet Incomplete or Incorrect							Grant Structure Issue				Outliers					
	State Funding Amount	Square Footage	Project Costs	Site Acquisition Costs	Total Classrooms	Total Project Cost	Bid Year	Financial Hardship	Special Day Class Only	Use of Grants	Facility Hardship- No Pupil Grants	Cost Per Square Foot	Funding Per Square Foot	Cost Per Classroom	Cost Per Pupil (Loading)	Percentage of State Contribution	Square Foot Per Pupil
53/66670-00-007									X								
53/72538-00-002					X												
54/62893-00-002	X			X													
56/61291-00-001					X												
56/64568-00-001					X				X								
56/64733-00-001	X																
56/69666-10-001									X								
COUNT	28	14	9	13	60	28	38	50	24	41	3	4	3	5	4	4	7

## Appendix E – Projects Included in Study

This study includes a review of all projects apportioned by the State Allocation Board from July 1, 2006 through December 31, 2008 that filed a Project Information Worksheet prior to March 31, 2009. The initial sample included 378 projects. The worksheets were reviewed and the projects outlined in Appendix D were excluded. The final sample used for this analysis consists of 166 projects. For a list and specific information on the projects included, refer to the tables on the following pages.

### *Project Type*

The pupil grant amount is used to fund the following programs: School Facility New Construction Program, the Overcrowding Relief Grant Program, Charter School Facilities Program, and the Critically Overcrowded Schools Program. The study includes projects from all of these programs. (Facility Hardship projects that replace an entire site also include pupil grants, but no projects of this type met the criteria for this study.)

### *Adjusted Data*

After identifying all of the study sample projects, the worksheet totals were verified – including the total construction costs, total project costs, total square footage, and the total building costs fields. If a discrepancy occurred, the totals were recalculated. As outlined in Appendix D, an acceptable range of error was determined and projects within the acceptable range were re-summed.

Project Number	Project Information									
	County	Grade Level	Number of Pupil Grants	Grants Under-Requested	Classrooms	Classroom Construction Type	Site Type	Site and/or Design Financial Hardship	Percent Complete <sup>29</sup>	Final State Allocation Board Appointment Date
50/61168-00-001	Alameda	K-6	210	90	12	Modular	Exist Site no Add Acreage		50-05	9/24/2008
50/61523-00-002	Butte	K-6	16	9	1	Modular	Exist Site no Add Acreage		50-05	9/24/2008
50/61556-00-001	Calaveras	9-12	24	3	1	Modular	Exist Site no Add Acreage		50-05	9/24/2008
50/61762-00-004	Contra Costa	K-6	575	0	23	Permanent	New Site		95%	7/25/2007
50/61804-00-033	Contra Costa	7-8	216	0	8	Permanent	Exist Site no Add Acreage		100%	9/26/2007
50/61804-00-034	Contra Costa	K-6	225	0	9	Permanent	Exist Site no Add Acreage		50-05	1/30/2008
50/61804-02-001	Contra Costa	K-6	220	5	9	Permanent	Exist Site no Add Acreage		100%	8/27/2008
50/61804-02-002	Contra Costa	9-12	513	0	19	Permanent	Exist Site with Add Acreage		100%	6/25/2008
50/61804-02-003	Contra Costa	K-6	180	45	9	Permanent	Exist Site no Add Acreage		100%	8/27/2008
50/61804-02-004	Contra Costa	7-8	945	0	35	Permanent	New Site		50-05	8/27/2008
50/61838-00-003	El Dorado	7-8	54	0	2	Permanent	Exist Site no Add Acreage		100%	10/24/2007
50/61838-00-004	El Dorado	K-6	100	50	6	Permanent	Exist Site no Add Acreage		95%	4/23/2008
50/61853-01-003	El Dorado	9-12	351	0	13	Permanent	Exist Site no Add Acreage		50-05	5/28/2008
50/61929-00-001	El Dorado	7-8	14	13	1	Modular	Exist Site no Add Acreage		74%	10/25/2006
50/61929-00-002	El Dorado	7-8	12	15	1	Modular	Exist Site no Add Acreage		75%	12/6/2006
50/62240-00-001	Fresno	K-6	576	74	26	Permanent	New Site		100%	10/25/2006
50/62265-00-007	Fresno	7-8	53	55	4	Portable	Exist Site no Add Acreage		50-05	12/10/2008
50/62414-00-007	Fresno	K-6	16	9	1	Modular	Exist Site no Add Acreage		50-05	6/25/2008
50/62414-00-008	Fresno	K-6	25	0	1	Modular	Exist Site no Add Acreage		100%	6/25/2008
50/62414-00-009	Fresno	K-6	50	0	2	Modular	Exist Site no Add Acreage		50-05	6/25/2008
50/63313-00-002	Kern	K-6	22	53	3	Portable	Exist Site no Add Acreage		98%	1/30/2008
50/63362-00-034	Kern	K-6 w/ SDC	688	12	28	Port/Perm	New Site		50-05	1/30/2008
50/63529-00-003	Kern	9-12 w/ SDC	2105	82	81	Permanent	New Site		100%	9/27/2006
50/63693-00-009	Kern	K-6	51	49	4	Modular	Exist Site no Add Acreage		50-05	12/10/2008
50/63859-00-003	Kern	9-12	305	181	18	Modular	Exist Site with Add Acreage		50-05	12/10/2008
50/64436-02-023	Los Angeles	9-12	54	0	2	Modular	Exist Site no Add Acreage		50-05	3/28/2007
50/64436-02-024	Los Angeles	9-12	54	0	2	Modular	Exist Site no Add Acreage		50-05	3/28/2007
50/64634-00-003	Los Angeles	K-6 w/ SDC	613	87	28	Permanent	Exist Site with Add Acreage		90%	3/28/2007
50/64733-00-117	Los Angeles	7-8	810	0	30	Permanent	New Site		50-05	5/23/2007
50/64733-00-129	Los Angeles	K-8	1050	0	42	Permanent	New Site		23%	5/28/2008
50/64733-00-136	Los Angeles	7-8	1377	0	51	Permanent	New Site		50-05	5/28/2008

50/64733-00-137	Los Angeles	7-8	725	0	29	Permanent	New Site		51%	5/28/2008
50/64733-00-138	Los Angeles	7-8	1377	0	51	Permanent	New Site		27%	5/28/2008
50/64733-00-139	Los Angeles	7-8	1350	0	50	Permanent	New Site		50-05	5/28/2008
50/64733-00-140	Los Angeles	K-6	400	0	16	Permanent	New Site		50-05	5/23/2007
50/64733-00-142	Los Angeles	7-8	1050	0	42	Permanent	New Site		46%	5/28/2008
50/64808-00-003	Los Angeles	K-6	250	0	10	Modular	Exist Site no Add Acreage		50-05	3/28/2007
50/64840-02-003	Los Angeles	9-12	81	243	12	Permanent	Exist Site no Add Acreage		50-05	3/26/2008
50/64907-00-031	Los Angeles	K-6 w/ SDC	491	259	30	Permanent	New Site		100%	9/27/2006
50/64998-00-015	Los Angeles	K-6 w/ SDC	68	32	4	Permanent	Exist Site no Add Acreage		100%	9/26/2007
50/64998-00-016	Los Angeles	K-6 w/ SDC	740	35	31	Permanent	New Site		50%	12/12/2007
50/65128-00-006	Los Angeles	9-12	216	0	8	Permanent	Exist Site no Add Acreage		50-05	2/27/2008
50/65136-00-008	Los Angeles	9-12	702	0	26	Permanent	Exist Site no Add Acreage		98%	9/27/2006
50/65136-00-009	Los Angeles	9-12	54	0	2	Permanent	Exist Site no Add Acreage		100%	8/22/2007
50/65243-00-009	Madera	K-6 w/ SDC	726	24	30	Port/Perm	New Site		50-05	3/26/2008
50/65771-00-016	Merced	K-6	625	25	26	Permanent	New Site		100%	12/6/2006
50/66035-00-001	Monterey	K-6	750	0	30	Mod/Perm	New Site	X	50-05	10/29/2008
50/66928-00-006	Placer	9-12	189	0	7	Mod/Perm	Exist Site with Add Acreage		90%	12/12/2007
50/66928-00-007	Placer	9-12	405	0	15	Port/Perm	Exist Site with Add Acreage		50-05	1/30/2008
50/66993-00-016	Riverside	K-6	850	0	34	Permanent	New Site		99%	3/28/2007
50/67033-00-025	Riverside	K-6	925	0	37	Permanent	New Site		50-05	6/25/2008
50/67058-00-019	Riverside	7-8	422	10	16	Permanent	Exist Site no Add Acreage		90%	12/12/2007
50/67058-00-020	Riverside	K-6	275	0	11	Permanent	Exist Site no Add Acreage		100%	12/12/2007
50/67082-00-013	Riverside	7-8 w/ SDC	1358	46	52	Permanent	Exist Site no Add Acreage		50-05	1/30/2008
50/67116-00-009	Riverside	K-6	119	81	8	Permanent	Exist Site no Add Acreage		100%	7/25/2007
50/67116-00-011	Riverside	K-6 w/ SDC	884	66	38	Permanent	New Site		50-05	2/27/2008
50/67116-00-012	Riverside	7-8 w/ SDC	1045	62	41	Permanent	New Site		50-05	8/27/2008
50/67124-00-010	Riverside	9-12	40	95	5	Portable	Exist Site no Add Acreage		100%	12/6/2006
50/67124-00-012	Riverside	9-12	56	133	7	Portable	Exist Site no Add Acreage		100%	12/6/2006
50/67124-00-013	Riverside	K-6 w/ SDC	784	16	32	Permanent	New Site		100%	12/6/2006
50/67124-00-014	Riverside	K-6	35	65	4	Portable	Exist Site no Add Acreage		100%	12/6/2006
50/67124-00-015	Riverside	K-6	46	29	3	Portable	Exist Site no Add Acreage		100%	12/6/2006
50/67124-00-016	Riverside	K-6	43	32	3	Portable	Exist Site no Add Acreage		100%	12/6/2006
50/67124-00-017	Riverside	9-12	127	359	18	Portable	Exist Site no Add Acreage		100%	12/6/2006
50/67124-00-020	Riverside	7-8	44	64	4	Portable	Exist Site no Add Acreage		100%	12/6/2006
50/67124-00-021	Riverside	K-6	33	67	4	Portable	Exist Site no Add Acreage		100%	12/6/2006
50/67124-00-023	Riverside	K-6	21	29	2	Portable	Exist Site no Add Acreage		100%	12/6/2006

50/67124-00-024	Riverside	K-6	49	51	4	Portable	Exist Site no Add Acreage		100%	12/6/2006
50/67124-00-025	Riverside	K-6	25	25	2	Portable	Exist Site no Add Acreage		100%	12/6/2006
50/67124-00-026	Riverside	K-6	53	47	4	Portable	Exist Site no Add Acreage		100%	6/27/2007
50/67124-00-027	Riverside	K-6	16	9	1	Portable	Exist Site no Add Acreage		100%	6/27/2007
50/67124-00-029	Riverside	7-8	41	67	4	Portable	Exist Site no Add Acreage		100%	10/24/2007
50/67124-00-030	Riverside	K-6	49	26	3	Portable	Exist Site no Add Acreage		100%	10/24/2007
50/67124-00-031	Riverside	K-6	53	97	6	Portable	Exist Site no Add Acreage		100%	10/24/2007
50/67124-00-033	Riverside	7-8	121	95	8	Modular	Exist Site no Add Acreage		50-05	12/10/2008
50/67124-00-034	Riverside	7-8	73	143	8	Modular	Exist Site no Add Acreage		50-05	12/10/2008
50/67124-00-035	Riverside	K-6	22	28	2	Modular	Exist Site no Add Acreage		50-05	12/10/2008
50/67124-00-036	Riverside	7-8	82	134	8	Modular	Exist Site no Add Acreage		50-05	12/10/2008
50/67173-02-007	Riverside	7-8	40	176	8	Portable	Exist Site no Add Acreage		50-05	3/26/2008
50/67199-00-006	Riverside	K-6	61	14	3	Modular	Exist Site no Add Acreage		100%	9/26/2007
50/67199-00-007	Riverside	K-6	15	10	1	Modular	Exist Site no Add Acreage		100%	9/26/2007
50/67199-00-008	Riverside	K-6	20	30	2	Modular	Exist Site no Add Acreage		50-05	10/29/2008
50/67199-00-009	Riverside	K-6	10	15	1	Modular	Exist Site no Add Acreage		50-05	10/29/2008
50/67199-00-010	Riverside	K-6	32	18	2	Portable	Exist Site no Add Acreage		50-05	10/29/2008
50/67215-00-021	Riverside	7-8 w/ SDC	1028	106	42	Permanent	New Site		50-05	8/27/2008
50/67249-00-011	Riverside	7-8	270	0	10	Permanent	Exist Site no Add Acreage		100%	8/23/2006
50/67330-21-008	Sacramento	K-6	529	96	25	Permanent	New Site		99%	6/27/2007
50/67355-00-001	Sacramento	9-12 w/ SDC	1201	14	45	Permanent	New Site	X	85%	1/30/2008
50/67355-00-004	Sacramento	9-12 w/ SDC	188	28	8	Permanent	New Site		100%	1/30/2008
50/67413-02-001	Sacramento	K-6	66	9	3	Portable	Exist Site no Add Acreage		50-05	10/29/2008
50/67686-00-026	San Bernardino	K-6	175	0	7	Portable	Exist Site no Add Acreage		100%	8/23/2006
50/67702-00-011	San Bernardino	K-6	100	0	4	Permanent	Exist Site no Add Acreage		100%	9/27/2006
50/67702-00-012	San Bernardino	K-6	100	0	4	Permanent	Exist Site no Add Acreage		100%	9/27/2006
50/67702-00-013	San Bernardino	K-6 w/ SDC	884	16	36	Permanent	New Site		100%	9/27/2006
50/67934-00-017	San Bernardino	9-12	135	54	7	Portable	Exist Site no Add Acreage		90%	3/28/2007
50/68106-00-005	San Diego	9-12	54	0	2	Permanent	Exist Site no Add Acreage		50-05	12/10/2008
50/68106-00-007	San Diego	9-12	54	0	2	Permanent	Exist Site no Add Acreage		50-05	12/10/2008
50/68585-00-019	San Joaquin	K-6 w/ SDC	826	24	34	Mod/Perm	New Site		100%	1/24/2007
50/68585-00-020	San Joaquin	9-12	351	0	13	Mod/Perm	Exist Site no Add Acreage		100%	8/22/2007
50/68585-00-021	San Joaquin	K-6 w/ SDC	497	28	21	Permanent	Exist Site no Add Acreage		50-05	9/24/2008
50/68585-00-022	San Joaquin	K-6 w/ SDC	826	24	34	Permanent	New Site		50-05	10/29/2008

50/68585-00-023	San Joaquin	9-12	500	13	19	Modular	Exist Site no Add Acreage		50-05	10/29/2008
50/69120-00-014	Santa Barbara	K-6	150	0	6	Permanent	Exist Site no Add Acreage		99%	3/28/2007
50/69435-00-019	Santa Clara	7-8	27	0	1	Permanent	Exist Site no Add Acreage		99%	12/12/2007
50/70052-00-001	Shasta	K-6	9	16	1	Portable	Exist Site no Add Acreage		50-05	12/10/2008
50/70839-00-001	Sonoma	7-8	27	0	1	Modular	Exist Site no Add Acreage		50-05	1/30/2008
50/70912-00-001	Sonoma	K-6	125	0	5	Modular	Exist Site no Add Acreage		97%	10/24/2007
50/70953-00-002	Sonoma	7-8	54	0	2	Modular	Exist Site with Add Acreage		50-05	1/30/2008
50/72256-00-022	Tulare	9-12	44	37	3	Permanent	Exist Site no Add Acreage		75%	10/25/2006
50/72694-00-004	Yolo	K-8 w/ SDC	809	16	33	Portable	New Site		50-05	3/26/2008
50/72694-00-005	Yolo	K-6	75	0	3	Portable	Exist Site no Add Acreage		50-05	4/23/2008
50/72694-00-007	Yolo	7-8	297	0	11	Port/Mod	Exist Site no Add Acreage		50-05	8/27/2008
50/72694-00-009	Yolo	K-8	235	0	9	Port/Mod	Exist Site no Add Acreage		50-05	8/27/2008
50/72694-00-010	Yolo	K-6	92	8	4	Portable	Exist Site no Add Acreage		50-05	9/24/2008
50/72736-00-006	Yuba	K-6	37	38	3	Portable	Exist Site no Add Acreage		50-05	1/30/2008
50/72736-00-011	Yuba	K-6	110	15	5	Modular	Exist Site no Add Acreage		50-05	12/10/2008
50/72736-00-012	Yuba	K-6	84	41	5	Portable	Exist Site no Add Acreage		50-05	12/10/2008
50/72736-00-013	Yuba	K-6	13	12	1	Modular	Exist Site no Add Acreage		50-05	12/10/2008
50/72736-00-014	Yuba	K-6	50	0	2	Modular	Exist Site no Add Acreage		50-05	12/10/2008
50/72736-00-015	Yuba	9-12	44	10	2	Modular	Exist Site no Add Acreage		50-05	12/10/2008
50/72736-00-016	Yuba	K-6	66	34	4	Modular	Exist Site no Add Acreage		50-05	12/10/2008
50/72744-00-003	Yuba	K-8	583	0	23	Port/Perm	New Site		100%	4/25/2007
50/73460-00-007	Los Angeles	9-12	16	38	2	Portable	Exist Site no Add Acreage		95%	2/28/2007
50/73544-00-003	Kern	K-6 w/ SDC	21	54	3	Portable	Exist Site no Add Acreage		50-05	12/10/2008
50/73650-00-008	Orange	9-12	702	0	26	Modular	New Site		99%	10/24/2007
50/73650-00-009	Orange	9-12	324	0	12	Permanent	Exist Site no Add Acreage		50-05	3/26/2008
50/73650-00-012	Orange	K-6	725	0	29	Permanent	New Site		50-05	12/10/2008
50/73965-00-014	Fresno	9-12	7	20	1	Portable	Exist Site no Add Acreage		100%	5/23/2007
50/73965-00-015	Fresno	K-6	10	15	1	Portable	Exist Site no Add Acreage		100%	5/23/2007
50/73965-00-016	Fresno	K-6	20	30	2	Portable	Exist Site no Add Acreage		100%	5/23/2007
50/75044-00-024	San Bernardino	K-6	875	0	35	Permanent	New Site		99%	4/25/2007
50/75044-00-025	San Bernardino	7-8 w/ SDC	1781	28	67	Portable	New Site		99%	7/25/2007
50/75044-00-026	San Bernardino	K-6	24	26	2	Portable	Exist Site no Add Acreage		50-05	2/27/2008
50/75044-00-031	San Bernardino	K-6 w/ SDC	863	12	35	Permanent	New Site		50-05	8/27/2008
50/75077-00-013	San Bernardino	K-6	200	0	8	Permanent	Exist Site no Add Acreage		95%	8/22/2007
50/75077-00-014	San	7-8	162	0	6	Permanent	Exist Site no Add		100%	8/22/2007

	Bernardino						Acreage		
50/75093-00-006	Alameda	K-6	610	65	27	Modular	New Site	99%	6/27/2007
50/75192-00-036	Riverside	K-8	289	8	11	Port/Mod	Exist Site no Add Acreage	50%	2/28/2007
50/75192-00-037	Riverside	K-6	325	0	13	Portable	Exist Site no Add Acreage	50%	2/28/2007
50/75200-00-018	Riverside	K-6 w/ SDC	951	24	39	Permanent	New Site	95%	10/24/2007
50/75200-00-019	Riverside	K-6	149	26	7	Portable	Exist Site no Add Acreage	100%	12/12/2007
50/75200-00-020	Riverside	9-12	63	126	7	Modular	Exist Site no Add Acreage	100%	1/30/2008
50/75200-00-022	Riverside	7-8 w/ SDC	1610	118	64	Permanent	New Site	80%	10/29/2008
50/75549-00-004	Stanislaus	7-8 w/ SDC	121	14	5	Permanent	Exist Site no Add Acreage	95%	10/24/2007
53/62166-00-008	Fresno	K-6	700	50	30	Port/Perm	New Site	50-05	3/28/2007
53/64733-00-016	Los Angeles	9-12	864	0	32	Permanent	Exist Site no Add Acreage	50-05	3/26/2008
53/64733-00-020	Los Angeles	K-6	800	0	32	Permanent	New Site	50-05	3/26/2008
53/64733-00-048	Los Angeles	K-6	650	0	26	Permanent	Exist Site no Add Acreage	50-05	4/23/2008
53/64733-00-114	Los Angeles	K-6	775	0	31	Permanent	New Site	50-05	3/26/2008
53/64733-00-118	Los Angeles	K-6	775	0	31	Permanent	New Site	50-05	3/26/2008
53/64733-00-131	Los Angeles	K-6	575	0	23	Permanent	New Site	50-05	3/26/2008
53/64733-00-135	Los Angeles	K-6	650	0	26	Permanent	Exist Site no Add Acreage	50-05	5/28/2008
53/64733-00-149	Los Angeles	K-6	950	0	38	Permanent	New Site	50-05	3/26/2008
53/64733-00-212	Los Angeles	K-6	875	0	35	Permanent	New Site	50-05	4/23/2008
53/64733-00-287	Los Angeles	9-12	2808	0	104	Permanent	New Site	98%	2/27/2008
53/64733-00-310	Los Angeles	K-6	675	0	27	Permanent	New Site	32%	4/23/2008
53/64733-00-328	Los Angeles	K-6	800	0	32	Permanent	New Site	50-05	3/26/2008
53/64733-00-335	Los Angeles	K-6	725	0	29	Permanent	New Site	50-05	3/26/2008
53/64733-00-339	Los Angeles	9-12	1620	0	60	Modular	New Site	95%	1/30/2008
53/66670-00-002	Orange	7-8 w/ SDC	418	14	16	Modular	Exist Site no Add Acreage	50-05	12/10/2008
53/66670-00-005	Orange	K-6	850	50	36	Modular	Exist Site no Add Acreage	50-05	12/10/2008
53/67215-00-002	Riverside	K-6	725	0	29	Permanent	New Site	100%	10/24/2007
54/64733-00-019	Los Angeles	9-12	337	338	25	Permanent	Exist Site no Add Acreage	50-05	2/27/2008
54/75085-00-001	Placer	K-8 w/ SDC	253	44	11	Permanent	New Site	50-05	10/29/2008
56/64808-00-001	Los Angeles	9-12	620	82	26	Modular	Exist Site no Add Acreage	50-05	6/25/2008
56/64808-00-002	Los Angeles	K-6	161	39	8	Modular	Exist Site no Add Acreage	50-05	6/25/2008

Project Number	Supplemental Grants Included in Project Apportionment													
	Site Acquisition	Multi-Level Construction	Site Development- (Service Site, Off-Site, and Utilities)	Special Day Class Square Footage (Therapy and Other)	Increase Due to Geographic Location	Small Size Project	Urban/ Security/ Impacted Site	New School Allowance	Project Assistance	Fire Alarm	Fire Sprinkler	Energy Efficiency	Labor Compliance Program	General Site Development
50/61168-00-001		X	X					X	X					
50/61523-00-002			X			X		X	X	X				
50/61556-00-001			X		X	X		X	X					
50/61762-00-004	X		X						X	X			X	X
50/61804-00-033			X						X				X	
50/61804-00-034			X						X				X	
50/61804-02-001			X						X					
50/61804-02-002	X		X						X					X
50/61804-02-003			X						X					
50/61804-02-004	X		X						X	X				X
50/61838-00-003			X			X			X				X	
50/61838-00-004			X			X			X				X	
50/61853-01-003	X	X	X						X					
50/61929-00-001			X			X		X	X				X	
50/61929-00-002			X			X		X	X				X	
50/62240-00-001	X		X					X	X	X			X	X
50/62265-00-007			X			X			X					
50/62414-00-007			X			X			X					
50/62414-00-008			X			X			X					
50/62414-00-009			X			X			X					
50/63313-00-002						X			X	X			X	
50/63362-00-034	X		X						X	X			X	X
50/63529-00-003	X		X	X					X	X	X		X	X
50/63693-00-009						X			X					
50/63859-00-003	X		X					X	X					X
50/64436-02-023			X			X			X				X	
50/64436-02-024			X			X			X				X	
50/64634-00-003	X	X	X	X			X		X	X			X	X
50/64733-00-117	X	X	X				X		X	X			X	X
50/64733-00-129	X	X	X				X		X	X			X	X
50/64733-00-136	X	X	X				X		X	X			X	X
50/64733-00-137	X	X	X				X		X	X				X
50/64733-00-138	X	X	X				X		X	X			X	X
50/64733-00-139	X	X	X				X		X	X			X	X

Project Number	Supplemental Grants Included in Project Apportionment													
	Site Acquisition	Multi-Level Construction	Site Development- (Service Site, Off-Site, and Utilities)	Special Day Class Square Footage (Therapy and Other)	Increase Due to Geographic Location	Small Size Project	Urban/ Security/ Impacted Site	New School Allowance	Project Assistance	Fire Alarm	Fire Sprinkler	Energy Efficiency	Labor Compliance Program	General Site Development
50/64733-00-140	X	X	X				X			X	X		X	X
50/64733-00-142	X	X	X				X			X	X		X	X
50/64808-00-003		X								X			X	
50/64840-02-003		X	X							X			X	
50/64907-00-031	X	X	X							X	X		X	X
50/64998-00-015			X	X		X				X	X		X	
50/64998-00-016	X		X	X						X	X		X	X
50/65128-00-006			X							X			X	
50/65136-00-008		X	X							X			X	
50/65136-00-009						X				X			X	
50/65243-00-009	X		X							X	X		X	X
50/65771-00-016	X		X							X	X		X	X
50/66035-00-001	X		X		X					X	X		X	X
50/66928-00-006	X		X			X				X			X	X
50/66928-00-007	X		X							X			X	X
50/66993-00-016	X		X							X	X		X	X
50/67033-00-025	X	X	X							X	X			X
50/67058-00-019		X	X		X					X			X	
50/67058-00-020			X		X					X			X	
50/67082-00-013			X							X	X		X	
50/67116-00-009			X							X	X		X	
50/67116-00-011	X		X							X	X		X	X
50/67116-00-012	X		X	X						X	X			X
50/67124-00-010			X			X				X			X	
50/67124-00-012			X			X				X			X	
50/67124-00-013	X		X	X						X	X		X	X
50/67124-00-014			X			X				X			X	
50/67124-00-015			X			X				X			X	
50/67124-00-016			X			X				X			X	
50/67124-00-017			X							X			X	
50/67124-00-020			X			X				X			X	
50/67124-00-021			X			X				X			X	
50/67124-00-023			X			X				X			X	
50/67124-00-024			X			X				X			X	
50/67124-00-025			X			X				X			X	

Project Number	Supplemental Grants Included in Project Apportionment													
	Site Acquisition	Multi-Level Construction	Site Development- (Service Site, Off-Site, and Utilities)	Special Day Class Square Footage (Therapy and Other)	Increase Due to Geographic Location	Small Size Project	Urban/ Security/ Impacted Site	New School Allowance	Project Assistance	Fire Alarm	Fire Sprinkler	Energy Efficiency	Labor Compliance Program	General Site Development
50/67124-00-026			X			X			X				X	
50/67124-00-027			X			X			X				X	
50/67124-00-029			X			X			X				X	
50/67124-00-030			X			X			X				X	
50/67124-00-031			X			X			X	X			X	
50/67124-00-033			X						X					
50/67124-00-034			X			X			X					
50/67124-00-035			X			X			X					
50/67124-00-036			X			X			X					
50/67173-02-007			X		X				X				X	
50/67199-00-006						X			X	X			X	
50/67199-00-007						X			X	X			X	
50/67199-00-008						X			X					
50/67199-00-009						X			X					
50/67199-00-010						X			X					
50/67215-00-021	X		X	X					X	X				X
50/67249-00-011			X						X				X	
50/67330-21-008	X		X						X	X			X	X
50/67355-00-001	X		X						X	X			X	X
50/67355-00-004	X		X				X	X	X	X			X	X
50/67413-02-001			X					X	X					
50/67686-00-026						X			X				X	
50/67702-00-011						X			X				X	
50/67702-00-012						X			X				X	
50/67702-00-013	X		X	X					X	X			X	X
50/67934-00-017						X			X				X	
50/68106-00-005			X			X			X					
50/68106-00-007			X			X			X					
50/68585-00-019	X	X	X						X	X			X	X
50/68585-00-020			X						X	X			X	
50/68585-00-021			X						X					
50/68585-00-022	X	X	X						X	X				X
50/68585-00-023			X						X					
50/69120-00-014						X			X	X			X	
50/69435-00-019						X			X				X	

Project Number	Supplemental Grants Included in Project Apportionment													
	Site Acquisition	Multi-Level Construction	Site Development- (Service Site, Off-Site, and Utilities)	Special Day Class Square Footage (Therapy and Other)	Increase Due to Geographic Location	Small Size Project	Urban/ Security/ Impacted Site	New School Allowance	Project Assistance	Fire Alarm	Fire Sprinkler	Energy Efficiency	Labor Compliance Program	General Site Development
50/70052-00-001			X		X	X		X	X					
50/70839-00-001			X			X		X	X				X	
50/70912-00-001			X			X			X				X	
50/70953-00-002	X		X			X			X				X	X
50/72256-00-022						X			X				X	
50/72694-00-004	X		X						X	X			X	X
50/72694-00-005						X			X	X			X	
50/72694-00-007			X						X					
50/72694-00-009			X						X					
50/72694-00-010			X			X			X	X				
50/72736-00-006			X			X			X				X	
50/72736-00-011			X											
50/72736-00-012			X			X			X					
50/72736-00-013														
50/72736-00-014			X			X			X					
50/72736-00-015			X			X			X					
50/72736-00-016			X											
50/72744-00-003	X		X						X	X			X	X
50/73460-00-007						X			X				X	
50/73544-00-003						X		X	X					
50/73650-00-008	X		X						X	X			X	X
50/73650-00-009		X	X						X				X	
50/73650-00-012	X		X						X	X				X
50/73965-00-014									X				X	
50/73965-00-015									X				X	
50/73965-00-016									X				X	
50/75044-00-024	X		X						X	X			X	X
50/75044-00-025	X		X						X	X			X	X
50/75044-00-026						X			X				X	
50/75044-00-031	X		X						X	X				X
50/75077-00-013			X			X			X				X	
50/75077-00-014			X			X			X				X	
50/75093-00-006	X		X						X	X			X	
50/75192-00-036			X						X				X	
50/75192-00-037			X						X				X	

Project Number	Supplemental Grants Included in Project Apportionment												
	Site Acquisition	Multi-Level Construction	Site Development- (Service Site, Off-Site, and Utilities)	Special Day Class Square Footage (Therapy and Other)	Increase Due to Geographic Location	Small Size Project	Urban/ Security/ Impacted Site	New School Allowance	Project Assistance	Fire Alarm	Fire Sprinkler	Energy Efficiency	Labor Compliance Program
50/75200-00-018	X		X						X	X		X	X
50/75200-00-019						X			X			X	
50/75200-00-020			X			X			X			X	
50/75200-00-022	X		X						X	X			X
50/75549-00-004			X			X			X			X	
53/62166-00-008	X	X	X						X	X		X	X
53/64733-00-016	X	X	X				X		X			X	
53/64733-00-020	X	X	X				X		X	X		X	X
53/64733-00-048	X	X	X				X		X	X		X	
53/64733-00-114	X	X	X				X		X	X		X	X
53/64733-00-118	X	X	X				X		X	X		X	X
53/64733-00-131	X	X	X				X		X	X		X	X
53/64733-00-135	X	X	X				X		X	X		X	
53/64733-00-149	X	X	X				X		X	X		X	X
53/64733-00-212	X	X	X				X		X	X		X	X
53/64733-00-287		X	X				X		X	X		X	X
53/64733-00-310	X	X	X				X		X	X		X	X
53/64733-00-328	X	X	X				X		X	X		X	X
53/64733-00-335	X	X	X				X		X	X		X	X
53/64733-00-339	X	X	X				X		X	X		X	X
53/66670-00-002			X							X		X	
53/66670-00-005		X	X				X		X			X	
53/67215-00-002	X		X						X	X		X	X
54/64733-00-019		X	X	X			X		X	X		X	
54/75085-00-001	X		X						X	X		X	X
56/64808-00-001		X	X				X		X		X		
56/64808-00-002			X			X			X				

Project Number	Building Component Types Included in Project									Outdoor Physical Education Facilities Included in Project							
	Multipurpose Room	Cafeteria (Stand Alone)	Kitchen	Library	Gym/Shower	Administration Building	Performing Arts	Restrooms	Other	Baseball	Softball	Football	Playground	Track	Pool	Stadium	Other
50/61168-00-001					X		X					X					
50/61523-00-002					X												
50/61556-00-001							X	X									
50/61762-00-004	X			X	X		X	X				X					
50/61804-00-033																	
50/61804-00-034	X				X												
50/61804-02-001												X					
50/61804-02-002	X																
50/61804-02-003												X					
50/61804-02-004	X			X	X	X				X	X	X					
50/61838-00-003								X									
50/61838-00-004																	
50/61853-01-003	X																
50/61929-00-001																	
50/61929-00-002																	
50/62240-00-001	X			X	X												
50/62265-00-007																	
50/62414-00-007																	
50/62414-00-008																	
50/62414-00-009																	
50/63313-00-002																	
50/63362-00-034	X		X	X	X		X										
50/63529-00-003		X	X	X	X	X			X	X	X	X	X			X	
50/63693-00-009					X			X									
50/63859-00-003							X	X	X	X	X						X
50/64436-02-023																	
50/64436-02-024																	
50/64634-00-003	X							X	X		X						
50/64733-00-117	X		X	X	X	X						X					
50/64733-00-129	X	X	X	X	X	X		X				X					
50/64733-00-136	X	X	X	X	X	X	X	X			X	X					
50/64733-00-137	X	X	X	X	X	X		X				X					
50/64733-00-138	X	X	X	X	X	X	X	X				X					
50/64733-00-139	X		X	X	X	X		X			X	X	X				
50/64733-00-140	X		X	X	X	X						X					
50/64733-00-142	X	X	X	X	X												
50/64808-00-003							X	X									
50/64840-02-003																	
50/64907-00-031		X		X	X							X					
50/64998-00-015			X		X		X	X									
50/64998-00-016	X			X	X							X					

Project Number	Building Component Types Included in Project									Outdoor Physical Education Facilities Included in Project							
	Multipurpose Room	Cafeteria (Stand Alone)	Kitchen	Library	Gym/Shower	Administration Building	Performing Arts	Restrooms	Other	Baseball	Softball	Football	Playground	Track	Pool	Stadium	Other
50/65128-00-006										X	X	X		X	X	X	
50/65136-00-008																	
50/65136-00-009					X		X	X									
50/65243-00-009	X		X	X	X					X		X					
50/65771-00-016	X		X	X	X		X	X									
50/66035-00-001	X		X	X	X		X	X				X					
50/66928-00-006					X		X					X					
50/66928-00-007										X	X	X		X	X	X	
50/66993-00-016	X		X	X	X		X	X				X					
50/67033-00-025	X			X	X			X				X					
50/67058-00-019	X				X		X	X	X		X	X	X				
50/67058-00-020	X		X		X		X	X	X		X	X					
50/67082-00-013	X			X	X	X		X				X					
50/67116-00-009							X										
50/67116-00-011	X		X	X	X						X	X					
50/67116-00-012	X		X	X	X	X				X	X	X	X				
50/67124-00-010							X										
50/67124-00-012							X										
50/67124-00-013	X		X	X	X					X	X	X					
50/67124-00-014																	
50/67124-00-015																	
50/67124-00-016																	
50/67124-00-017							X										
50/67124-00-020																	
50/67124-00-021																	
50/67124-00-023																	
50/67124-00-024																	
50/67124-00-025																	
50/67124-00-026																	
50/67124-00-027																	
50/67124-00-029																	
50/67124-00-030																	
50/67124-00-031																	
50/67124-00-033					X		X										
50/67124-00-034					X		X										
50/67124-00-035																	
50/67124-00-036					X		X										
50/67173-02-007																	
50/67199-00-006																	
50/67199-00-007																	
50/67199-00-008																	
50/67199-00-009																	

Project Number	Building Component Types Included in Project									Outdoor Physical Education Facilities Included in Project							
	Multipurpose Room	Cafeteria (Stand Alone)	Kitchen	Library	Gym/Shower	Administration Building	Performing Arts	Restrooms	Other	Baseball	Softball	Football	Playground	Track	Pool	Stadium	Other
50/67199-00-010																	
50/67215-00-021	X		X	X	X	X				X	X	X					
50/67249-00-011																	
50/67330-21-008	X			X		X						X					
50/67355-00-001	X		X	X	X	X	X	X	X	X	X	X	X	X	X		X
50/67355-00-004	X					X				X		X					
50/67413-02-001												X					
50/67686-00-026																	
50/67702-00-011																	
50/67702-00-012																	
50/67702-00-013	X			X		X	X					X					
50/67934-00-017						X	X										
50/68106-00-005						X											
50/68106-00-007						X											
50/68585-00-019	X			X		X	X					X					
50/68585-00-020						X											
50/68585-00-021																	
50/68585-00-022	X		X	X								X					
50/68585-00-023									X	X	X		X	X	X		
50/69120-00-014						X	X										
50/69435-00-019																	
50/70052-00-001																	
50/70839-00-001																	
50/70912-00-001	X						X										
50/70953-00-002			X				X	X									
50/72256-00-022																	
50/72694-00-004	X		X	X		X						X					
50/72694-00-005																	
50/72694-00-007						X	X										
50/72694-00-009							X										
50/72694-00-010																	
50/72736-00-006											X						
50/72736-00-011							X						X				
50/72736-00-012							X										
50/72736-00-013																	
50/72736-00-014																	
50/72736-00-015																	
50/72736-00-016																	
50/72744-00-003	X		X	X		X				X		X					
50/73460-00-007						X											
50/73544-00-003																	
50/73650-00-008	X					X	X	X									

Project Number	Building Component Types Included in Project									Outdoor Physical Education Facilities Included in Project							
	Multipurpose Room	Cafeteria (Stand Alone)	Kitchen	Library	Gym/Shower	Administration Building	Performing Arts	Restrooms	Other	Baseball	Softball	Football	Playground	Track	Pool	Stadium	Other
50/73650-00-009								X									
50/73650-00-012	X		X	X		X		X	X			X					X
50/73965-00-014																	
50/73965-00-015																	
50/73965-00-016																	
50/75044-00-024	X			X		X		X	X			X					
50/75044-00-025	X			X	X	X		X	X			X					X
50/75044-00-026																	
50/75044-00-031	X			X		X		X	X		X	X					
50/75077-00-013																	
50/75077-00-014								X									
50/75093-00-006	X			X		X			X			X					
50/75192-00-036																	
50/75192-00-037	X							X									
50/75200-00-018	X			X		X					X	X	X				
50/75200-00-019								X				X					
50/75200-00-020								X		X	X	X	X	X	X	X	
50/75200-00-022	X		X	X	X	X					X	X	X	X			
50/75549-00-004				X													
53/62166-00-008	X		X	X		X				X	X	X	X				
53/64733-00-016		X		X	X				X		X		X				
53/64733-00-020	X	X	X	X		X			X			X					
53/64733-00-048	X		X	X		X						X					
53/64733-00-114	X		X	X		X			X			X					
53/64733-00-118	X	X	X	X		X			X			X					
53/64733-00-131	X	X	X	X		X		X				X					
53/64733-00-135	X		X	X		X						X					
53/64733-00-149	X	X	X	X		X						X					
53/64733-00-212	X		X	X		X						X					
53/64733-00-287	X	X	X	X	X	X	X		X	X		X					
53/64733-00-310	X	X	X	X		X			X			X					
53/64733-00-328	X	X	X	X		X			X			X					
53/64733-00-335	X	X	X	X		X			X			X					
53/64733-00-339	X	X	X	X	X	X			X	X		X	X				
53/66670-00-002										X		X	X				
53/66670-00-005								X				X	X				X
53/67215-00-002	X			X		X											
54/64733-00-019					X	X			X								
54/75085-00-001	X			X		X						X					
56/64808-00-001																	
56/64808-00-002																	



## Appendix F – Supplemental Grants

The table on the following page provides qualification and calculation information for each supplemental grant. The table also identifies supplemental grants affected by construction cost index changes or pupil grant adjustments. For reference, the last column provides an example of grant funding.

New Construction Grants	How Is It Calculated?	How Does a Project Qualify?	Construction Cost Index Adjusts the Grant? (Y/N)	AB 127 Adjustments Affect the Grant?	7 High School Classrooms, 1 Severe SDC Classroom,
Pupil Grant	Pupil grant as indicated in the construction cost index chart.	Must be a qualifying project that is housing new pupils.	Y	Y	\$2,619,639
Site Development-Service Site Development	50 percent of estimated eligible costs verified using Saylor Cost Publication.	Architect must provide cost estimate of site development costs.	N	N	\$60,000 (Assume this amount has been verified)
Site Development-Off-Site Development	50 percent of estimated eligible costs verified using Saylor Cost Publication.	Architect must provide cost estimate of site development costs.	N	N	\$20,000 (Assume this amount has been verified)
Site Development-Utility Service Costs	50 percent of estimated eligible costs verified using Saylor Cost Publication.	Architect must provide cost estimate of site development costs.	N	N	\$50,000 (Assume this amount has been verified)
General Site Development	If Elementary or Middle, [(6%)(Pupil Grants + Fire Alarm + Fire Sprinklers + Geographic + New School Allowance + Small Size + SDC Therapy + Multi-Level Grant) + (construction cost index General Site Amt.)(# Usable Acres)] If High, [(3.75%)(Pupil Grants + Fire Alarm + Fire Sprinklers + Geographic + New School Allowance + Small Size + SDC Therapy + Multi-Level Grant) + (construction cost index General Site Amt.)(# Usable Acres)]	Must either be a new school project or an addition where new acreage is acquired. This grant became available to projects starting January 2007.	Y [Pupil Grant, General Site Grant, Fire Alarm, Fire Sprinklers, New School Allowance, Therapy Amount]	Y	\$279,636 (Assume new acreage is acquired for project)
Fire Detection Alarm	Fire alarm grant in construction cost index chart.	Project must include a fire detection and alarm system.	Y [Fire Alarm Amount]	N	\$6,857 (Assume project includes a fire alarm)
Fire Sprinkler	Fire sprinkler grant in construction cost index chart.	Project must include a fire sprinkler system, and must either be a new school site, or an addition to a new school site built on or after July 1, 2002.	Y [Fire Sprinkler Amount]	N	\$46,239 (Assume project meets grant requirements and includes sprinklers)

New Construction Grants	How Is It Calculated?	How Does a Project Qualify?	Construction Cost Index Adjusts the Grant? (Y/N)	AB 127 Adjustments Affect the Grant?	7 High School Classrooms, 1 Severe SDC Classroom,
Geographic Percent Factor	(Geographic Percentage Factor)(Pupil grants + Small Size + New School Allowance + Urban/Security + Fire Alarm + Fire Sprinklers + SDC Therapy Multi-Level Grant)	Project must be located in an area of California that is remote, difficult to access, or a lack of a pool of contractors. The percentage factors are defined in Regulation.	Y [Pupil Grant, New School Allowance, Fire Alarm, Fire Sprinklers, Therapy Amount]	Y	\$322,873 (Assume project is in a geographic area with a 5% increase)
Multilevel Construction	(12%)(Pupil Grants), based on the number of pupils housed in multilevel buildings.	Useable site acreage must be less than 75 percent of the CDE recommended site size.	Y [Pupil Grant]	Y	\$314,357 (Assume all 8 classrooms are multilevel)
Special Education-Therapy	For Severe SDC Therapy space, an additional amount per square foot based on construction cost index Current Replacement Cost.	District must be requesting pupil grants for Severe SDC classrooms.	Y [Therapy Amount]	N	\$313,600 (Assume project includes 1200 sq. ft. therapy area and 500 sq. ft. restroom area)
Project Assistance	Grant is a flat amount in the construction cost index chart.	Total district enrollment must be equal to or less than 2,500 pupils.	Y [Project Assistance Amount]	N	\$5,653 (Assume district enrollment is less than 2,501)
High Performance Incentive Grant	(Percentage multiplier based on HPI points)(Pupil Grants)	Project must include all the prerequisites in each of the five HPRC to include Sustainable Sites, Water, Energy, Materials and Indoor Environmental Quality and related subcategory credits.	Y [Pupil Grant]	Y	\$58,942 (Assume project qualifies for high performance with 2.25% increase)
Energy Efficiency Grant	(Percentage multiplier based on energy efficiency criteria)(Pupil Grants)	Grant is no longer available.	No Longer Available.	No Longer Available.	0
New School Allowance	An additional amount is provided based on the number of classrooms in a new school project. (This amount is offset from future new construction projects at the same site.)	Project must be for an entirely new school on a site without existing facilities.	Y [New School Amount]	Y	\$1,803,252 (Assume project is a new school. Future projects offset by this amount.)

New Construction Grants	How Is It Calculated?	How Does a Project Qualify?	Construction Cost Index Adjusts the Grant? (Y/N)	AB 127 Adjustments Affect the Grant?	7 High School Classrooms, 1 Severe SDC Classroom,
Small Size Project	If the project houses no more than 100 pupils, (12%)(Pupil Grant Amount) If the project houses greater than 100 and less than 201 pupils, (4%)(Pupil Grant Amount)	Project must house no more than 200 pupils based on State loading standards.	Y [Pupil Grant Amount]	Y	\$104,786 (Assume project houses between 0 and 100 pupils)
Urban/ Security/ Impacted Site	(15% + (additional 1.166% for each percentage decrease in the California Department of Education recommended site size below 60 percent)) (Pupil Grants + Small Size + New School Allowance)	(1) The usable site acreage for the project must be 60 percent or less of the California Department of Education recommended site size, (2) At least 60 percent of the classrooms in the project construction plans are multilevel facilities, (3) for new sites, the value of site being acquired is at least \$750,000 per usable acre.	Y [Pupil Grant, New School Allowance]	Y	\$1,179,143 (Assume project meets all criteria defined at left)
Labor Compliance Program Grant	Calculated pursuant to Regulation Section 1859.71.4. Formula is based on the total funding for the project.	Projects funded with either Proposition 47 and/or Proposition 55 funds are required to implement a Labor Compliance Program and therefore receive an additional grant.	Y [Pupil Grant, General Site Grant, Fire Alarm, Fire Sprinklers, New School Allowance, Therapy Amount, Project Assistance Amount]	Y	\$38,093 (Assume project is funded with Proposition 47 or 55 funds)
				TOTAL	\$7,223,070

## **Appendix G – Allocation of Supplemental Grants**

The table on the following page identifies the total amount apportioned by the State Allocation Board for the new construction pupil grant and for each supplemental grant from 1999 through 2008. The chart does not include site acquisition funding.

New Construction Grants	Apportionments/Percentage of Total Annual Apportionment (Excluding Site Acquisition)										Total Apportionments/ Overall Percentage of Total Apportionments
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
Pupil Grants	\$351.4	\$481.4	\$438.2	\$2,179.5	\$674.4	\$521.3	\$711.0	\$1,099.7	\$881.8	\$1,666.5	\$9,005.2
	86.5%	84.9%	79.5%	78.1%	77.8%	72.9%	76.6%	72.2%	72.4%	61.7%	73.4%
Site Development- Service Site Development	\$21.2	\$39.8	\$45.7	\$217.8	\$80.9	\$83.7	\$108.4	\$167.2	\$126.0	\$354.7	\$1,245.4
	5.2%	7.0%	8.3%	7.8%	9.3%	11.7%	11.7%	11.0%	10.3%	13.1%	10.2%
Site Development- Off-Site Development	\$4.2	\$6.3	\$10.1	\$48.6	\$20.8	\$14.5	\$24.9	\$36.8	\$31.9	\$79.8	\$277.9
	1.0%	1.1%	1.8%	1.7%	2.4%	2.0%	2.7%	2.4%	2.6%	3.0%	2.3%
Site Development- Utility Service Costs	\$7.3	\$6.6	\$8.7	\$24.4	\$8.1	\$6.6	\$9.6	\$18.5	\$14.5	\$26.7	\$131.0
	1.8%	1.2%	1.6%	0.9%	0.9%	0.9%	1.0%	1.2%	1.2%	1.0%	1.1%
General Site Development								\$28.7	\$54.5	\$93.5	\$176.7
								1.9%	4.5%	3.5%	1.4%
Fire Detection Alarm				\$1.4	\$2.0	\$2.5	\$1.6	\$2.0	\$1.5	\$2.8	\$13.8
				0.1%	0.2%	0.3%	0.2%	0.1%	0.1%	0.1%	0.1%
Fire Sprinkler				\$4.8	\$4.6	\$5.1	\$7.9	\$14.5	\$10.6	\$21.3	\$68.8
				0.2%	0.5%	0.7%	0.9%	1.0%	0.9%	0.8%	0.6%
Geographic Percent Factor	\$1.0	\$1.2	\$3.5	\$3.4	\$2.3	\$1.6	\$1.9	\$4.2	\$2.1	\$4.3	\$25.5
	0.2%	0.2%	0.6%	0.1%	0.3%	0.2%	0.2%	0.3%	0.2%	0.2%	0.2%
Multilevel Construction	\$6.5	\$7.4	\$6.1	\$73.0	\$13.5	\$14.6	\$13.3	\$36.0	\$26.7	\$86.0	\$283.1
	1.6%	1.3%	1.1%	2.6%	1.6%	2.0%	1.4%	2.4%	2.2%	3.2%	2.3%

New Construction Grants	Apportionments/Percentage of Total Annual Apportionment (Excluding Site Acquisition)										Total Apportionments/ Overall Percentage of Total Apportionments
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
Special Education-Therapy	\$0.9	\$0.1	\$1.1	\$2.5	\$4.3	\$6.2	\$3.1	\$4.2	\$9.7	\$6.7	\$38.8
	0.2%	0.0%	0.2%	0.1%	0.5%	0.9%	0.3%	0.3%	0.8%	0.2%	0.3%
Project Assistance			\$0.2	\$0.3	\$0.3	\$0.2	\$0.3	\$0.2	\$0.1	\$0.3	\$1.9
			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
High Performance Incentive Grant										\$11.4	\$11.4
										0.4%	0.1%
Energy Efficiency Grant					\$1.0	\$4.1	\$9.7	\$20.2	\$1.9		\$36.9
					0.1%	0.6%	1.0%	1.3%	0.2%		0.3%
New School Allowance	\$0.8	\$3.9	\$16.9	\$23.7	\$8.4	\$14.2	\$2.8	\$4.4	\$5.7	\$4.4	\$85.2
	0.2%	0.7%	3.1%	0.8%	1.0%	2.0%	0.3%	0.3%	0.5%	0.2%	0.7%
Small Size Project	\$1.3	\$2.7	\$3.4	\$12.0	\$5.1	\$5.2	\$6.6	\$7.5	\$9.3	\$6.8	\$59.9
	0.3%	0.5%	0.6%	0.4%	0.6%	0.7%	0.7%	0.5%	0.8%	0.3%	0.5%
Urban/ Security/ Impacted Site	\$11.5	\$17.8	\$17.5	\$200.9	\$34.2	\$34.6	\$15.2	\$69.8	\$35.2	\$324.2	\$760.9
	2.8%	3.1%	3.2%	7.2%	3.9%	4.8%	1.6%	4.6%	2.9%	12.0%	6.2%
Labor Compliance Program Grant					\$7.0	\$1.0	\$11.5	\$9.4	\$7.2	\$9.6	\$45.7
					0.81%	0.14%	1.24%	0.62%	0.59%	0.36%	0.37%



## Appendix H – Statistical Significance of the Means

A statistical analysis is the process of analyzing a data set to draw conclusions about a population. The *Study Results* section of this report provides mean and median descriptive statistics for a sample set consisting of 166 projects. It is essential to quantify the significance of a mean to determine if it is a reliable statistic. For the study project means, a margin of error was calculated using a 95 percent confidence interval and is reported in this Appendix. The standard deviation for the entire population of projects is unknown; therefore, a t-test was used to find the margin of error using the formula below, where  $\bar{X}$  is the sample mean, s is the sample standard deviation, t is the t-value using n-1 degrees of freedom, and n is the sample size.

$$\bar{X} \pm t_{n-1} \frac{s}{\sqrt{n}}$$

It is important to note that a t-test assumes the population will eventually come close to approximating a bell-shaped distribution. Due to the disparity in project scope, cost, and funding, many of the categories may not approximate a bell-shaped distribution. Therefore, the margin of error may be larger than the figure shown in some categories. However, the information is provided in an attempt to compare and validate the statistical significance of the data in this study.

The tables below provide the margins of error of the means using a 95 percent confidence interval. For categories with only one project, it is not possible to calculate a margin of error.

**Table 19 – Margin of Error – Summary of Costs and State Funding**

	<b>Mean</b>	<b>Margin of Error with a 95 Percent Confidence Interval</b>
<b>2006</b>		
State Contribution Percentage	52.97%	+/- 5.50%
Costs Per Square Foot	\$278.48	+/- \$43.34
State Funding Per Square Foot	\$138.83	+/- \$16.72
<b>2007</b>	<b>Mean</b>	<b>Median</b>
State Contribution Percentage	50.33%	+/- 6.34%
Costs Per Square Foot	\$383.43	+/- \$57.69
State Funding Per Square Foot	\$162.09	+/- \$16.98
<b>2008</b>	<b>Mean</b>	<b>Median</b>
State Contribution Percentage	47.48%	+/- 3.50%
Costs Per Square Foot	\$437.72	+/- \$41.32
State Funding Per Square Foot	\$183.20	+/- 12.57

**Table 20 – Margin of Error – 2008 Construction Costs per Square Foot**

Name of Statistic			Mean	Margin of Error with a 95 Percent Confidence Interval
Construction Costs Per Square Foot				
Permanent	New Site	K-6	\$597.39	+/- \$118.74
Permanent	Addition	K-6	\$528.79	+/- \$168.41
Portable	New Site	K-6		
Portable	Addition	K-6	\$218.85	+/- \$68.19
Modular	New Site	K-6		
Modular	Addition	K-6	\$322.57	+/- \$82.70
Permanent	New Site	7-8	\$609.02	+/- \$134.84
Permanent	Addition	7-8	\$277.65	n/a
Portable	New Site	7-8		
Portable	Addition	7-8	\$172.34	+/- \$523.16
Modular	New Site	7-8		
Modular	Addition	7-8	\$375.21	+/- \$212.86
Permanent	New Site	9-12	\$556.97	+/- \$304.17
Permanent	Addition	9-12	\$493.72	+/- \$69.70
Portable	New Site	9-12		
Portable	Addition	9-12		
Modular	New Site	9-12	\$694.40	n/a
Modular	Addition	9-12	\$395.91	+/- \$135.58

**Table 21 – Margin of Error – 2008 State Funding per Square Foot**

Name of Statistic			Mean	Margin of Error with a 95 Percent Confidence Interval
State Funding Per Square Foot				
Permanent	New Site	K-6	\$201.74	+/- \$22.36
Permanent	Addition	K-6	\$190.75	+/- \$28.42
Portable	New Site	K-6		
Portable	Addition	K-6	\$140.14	+/- \$35.89
Modular	New Site	K-6		
Modular	Addition	K-6	\$168.54	+/- \$35.67
Permanent	New Site	7-8	\$189.82	+/- \$30.21
Permanent	Addition	7-8	\$116.71	n/a
Portable	New Site	7-8		
Portable	Addition	7-8	\$96.70	+/- \$493.44
Modular	New Site	7-8		
Modular	Addition	7-8	\$172.80	+/- \$72.97
Permanent	New Site	9-12	\$219.30	+/- \$165.81
Permanent	Addition	9-12	\$198.53	+/- \$64.79
Portable	New Site	9-12		
Portable	Addition	9-12		
Modular	New Site	9-12	\$235.76	n/a
Modular	Addition	9-12	\$228.00	+/- \$102.25

**Table 22 – Margin of Error – 2008 Percentage of State Contribution**

Name of Statistic			Mean	Margin of Error with a 95 Percent Confidence Interval
Percentage of State Contribution				
Permanent	New Site	K-6	37.10%	+/- 6.77%
Permanent	Addition	K-6	40.59%	+/- 15.62%
Portable	New Site	K-6		
Portable	Addition	K-6	67.38%	+/- 11.05%
Modular	New Site	K-6		
Modular	Addition	K-6	55.81%	+/- 6.70%
Permanent	New Site	7-8	32.13%	+/- 4.35%
Permanent	Addition	7-8	42.03%	n/a
Portable	New Site	7-8		
Portable	Addition	7-8	53.80%	+/- 123.01%
Modular	New Site	7-8		
Modular	Addition	7-8	54.23%	+/- 13.38%
Permanent	New Site	9-12	39.11%	+/- 15.72%
Permanent	Addition	9-12	40.88%	+/- 13.19
Portable	New Site	9-12		
Portable	Addition	9-12		
Modular	New Site	9-12	33.95%	n/a
Modular	Addition	9-12	59.75%	+/- 26.29%

**Table 23 – Margin of Error – 2007 Construction Costs per Square Foot**

Name of Statistic			Mean	Margin of Error with a 95 Percent Confidence Interval
Construction Costs Per Square Foot				
Permanent	New Site	K-6	\$433.59	+/- \$114.24
Permanent	Addition	K-6	\$376.21	+/- \$150.75
Portable	New Site	K-6		
Portable	Addition	K-6	\$239.98	+/- \$157.96
Modular	New Site	K-6	\$483.56	n/a
Modular	Addition	K-6	\$267.07	+/- \$221.05
Permanent	New Site	7-8	\$669.50	n/a
Permanent	Addition	7-8	\$406.65	+/- \$120.96
Portable	New Site	7-8	\$281.71	n/a
Portable	Addition	7-8	\$167.76	n/a
Modular	New Site	7-8		
Modular	Addition	7-8		
Permanent	New Site	9-12		
Permanent	Addition	9-12	\$950.99	n/a
Portable	New Site	9-12		
Portable	Addition	9-12	\$145.42	+/- \$160.78
Modular	New Site	9-12	\$398.90	n/a
Modular	Addition	9-12	\$467.80	+/- \$705.74

**Table 24 – Margin of Error – 2007 State Funding per Square Foot**

Name of Statistic			Mean	Margin of Error with a 95 Percent Confidence Interval
State Funding Per Square Foot				
Permanent	New Site	K-6	\$148.52	+/- \$24.44
Permanent	Addition	K-6	\$163.86	+/- \$44.28
Portable	New Site	K-6		
Portable	Addition	K-6	\$129.52	+/- \$30.83
Modular	New Site	K-6	\$115.89	n/a
Modular	Addition	K-6	\$156.33	+/- \$79.48
Permanent	New Site	7-8	\$182.23	n/a
Permanent	Addition	7-8	\$177.36	+/- \$88.87
Portable	New Site	7-8	\$159.00	n/a
Portable	Addition	7-8	\$101.63	n/a
Modular	New Site	7-8		
Modular	Addition	7-8		
Permanent	New Site	9-12		
Permanent	Addition	9-12	\$173.87	n/a
Portable	New Site	9-12		
Portable	Addition	9-12	\$110.09	+/- \$176.41
Modular	New Site	9-12	\$245.97	n/a
Modular	Addition	9-12	\$182.59	+/- \$10.54

**Table 25 – Margin of Error – 2007 Percentage of State Contribution**

Name of Statistic			Mean	Margin of Error with a 95 Percent Confidence Interval
Percentage of State Contribution				
Permanent	New Site	K-6	36.23%	+/- 7.28%
Permanent	Addition	K-6	48.90%	+/- 19.48%
Portable	New Site	K-6		
Portable	Addition	K-6	68.35%	+/- 21.85%
Modular	New Site	K-6	23.97%	n/a
Modular	Addition	K-6	70.76%	+/- 56.03%
Permanent	New Site	7-8	27.22%	n/a
Permanent	Addition	7-8	42.05%	+/- 12.36%
Portable	New Site	7-8	56.44%	n/a
Portable	Addition	7-8	60.58%	n/a
Modular	New Site	7-8		
Modular	Addition	7-8		
Permanent	New Site	9-12		
Permanent	Addition	9-12	18.28%	n/a
Portable	New Site	9-12		
Portable	Addition	9-12	71.91%	+/- 47.97%
Modular	New Site	9-12	61.66%	n/a
Modular	Addition	9-12	39.57%	+/- 57.44%

**Table 26 – Margin of Error – 2006 Construction Costs per Square Foot**

Name of Statistic			Mean	Margin of Error with a 95 Percent Confidence Interval
Construction Costs Per Square Foot				
Permanent	New Site	K-6	\$378.64	+/- \$76.82
Permanent	Addition	K-6	\$419.15	+/- \$6.83
Portable	New Site	K-6		
Portable	Addition	K-6	\$197.25	+/- \$33.62
Modular	New Site	K-6		
Modular	Addition	K-6		
Permanent	New Site	7-8		
Permanent	Addition	7-8	\$337.24	n/a
Portable	New Site	7-8		
Portable	Addition	7-8	\$182.23	n/a
Modular	New Site	7-8		
Modular	Addition	7-8	\$281.01	+/- \$196.52
Permanent	New Site	9-12	\$319.99	n/a
Permanent	Addition	9-12	\$384.66	+/- \$1,041.68
Portable	New Site	9-12		
Portable	Addition	9-12	\$160.57	+/- \$92.01
Modular	New Site	9-12		
Modular	Addition	9-12		

**Table 27 – Margin of Error – 2006 State Funding per Square Foot**

Name of Statistic			Mean	Margin of Error with a 95 Percent Confidence Interval
State Funding Per Square Foot				
Permanent	New Site	K-6	\$136.95	+/- \$18.38
Permanent	Addition	K-6	\$199.02	+/- \$0.00
Portable	New Site	K-6		
Portable	Addition	K-6	\$125.10	+/- \$29.50
Modular	New Site	K-6		
Modular	Addition	K-6		
Permanent	New Site	7-8		
Permanent	Addition	7-8	\$208.42	n/a
Portable	New Site	7-8		
Portable	Addition	7-8	\$117.97	n/a
Modular	New Site	7-8		
Modular	Addition	7-8	\$140.51	+/- \$98.26
Permanent	New Site	9-12	\$127.08	n/a
Permanent	Addition	9-12	\$196.27	+/- \$236.84
Portable	New Site	9-12		
Portable	Addition	9-12	\$86.74	+/- \$12.91
Modular	New Site	9-12		
Modular	Addition	9-12		

**Table 28 – Margin of Error – 2006 Percentage of State Contribution**

Name of Statistic			Mean	Margin of Error with a 95 Percent Confidence Interval
Percentage of State Contribution				
Permanent	New Site	K-6	36.85%	+/- 9.34%
Permanent	Addition	K-6	47.48%	+/- 0.77%
Portable	New Site	K-6		
Portable	Addition	K-6	63.41%	+/- 10.72%
Modular	New Site	K-6		
Modular	Addition	K-6		
Permanent	New Site	7-8		
Permanent	Addition	7-8	61.80%	n/a
Portable	New Site	7-8		
Portable	Addition	7-8	64.74%	n/a
Modular	New Site	7-8		
Modular	Addition	7-8	50.00%	+/- 0.00%
Permanent	New Site	9-12	39.71%	n/a
Permanent	Addition	9-12	52.37%	+/- 80.25%
Portable	New Site	9-12		
Portable	Addition	9-12	55.55%	+/- 24.84%
Modular	New Site	9-12		
Modular	Addition	9-12		

The table below provides the margin of error using a 95 percent confidence interval for the mean percentage of State contribution provided in the report for all projects. For categories with only one sample it is not possible to calculate a margin of error.

**Table 29 – Margin of Error – All Projects – Percentage of State Contribution**

Name of Statistic			Mean	Margin of Error with a 95 Percent Confidence Interval
Percentage of State Contribution				
Permanent	New Site	K-6	36.80%	+/- 3.88%
Permanent	Addition	K-6	44.84%	+/- 8.97%
Portable	New Site	K-6		
Portable	Addition	K-6	66.46%	+/- 7.31%
Modular	New Site	K-6	23.97%	n/a
Modular	Addition	K-6	58.96%	+/- 9.14%
Permanent	New Site	7-8	31.64%	+/- 3.97%
Permanent	Addition	7-8	44.52%	+/- 10.17%
Portable	New Site	7-8	56.44%	n/a
Portable	Addition	7-8	58.23%	+/- 15.22%
Modular	New Site	7-8		
Modular	Addition	7-8	53.17%	+/- 9.16%
Permanent	New Site	9-12	39.26%	+/- 8.23%
Permanent	Addition	9-12	40.91%	+/- 10.85
Portable	New Site	9-12		
Portable	Addition	9-12	63.73%	+/- 17.23%
Modular	New Site	9-12	47.81%	+/- 176.04%
Modular	Addition	9-12	54.70%	+/- 19.45%