

DRAFT

REPORT

ON THE

FACILITES LIFE
EXTENSION
ASSESSMENT

FOR THE

CHERRY HILL
PUBLIC SCHOOLS

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FIRST ISSUED: SEPT. 18, 1991

FIRST REV.: JULY 20, 1992

SECOND REV.: OCT. 20, 1997

THIRD REV.: NOV. 25, 1997

FOURTH REV.: JAN. 25, 2001

FIFTH REV.: OCT. 4, 2006

PROJECT NO.:
CHPS-00003



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Preface to the Fifth Revision

Since the fourth revision of the Facilities Life Extension Assessment in 2001, the report has undergone some significant changes in content. These changes are primarily due to three factors: the rise in school construction costs, the addition of new components to the report, and the completion of projects during the last five years.

The change in construction cost has had the most noticeable impact. Not only has this change effected the unit prices in the Component Replacement Schedules, but it has also notably impacted the cost per square foot Building Replacement Costs for each building, influenced by NJSCC Design and Construction Target cost per square foot values as issued in 2004.

Additionally, data from other reports prepared by Becica Associates has been added to the report to make it more complete. This includes two new tables at the end of the report (Tables 49 & 50) which outline the projects completed by Becica Associates for the Cherry Hill Public School District since 1990 and a present worth sum of construction costs of those projects. Property descriptions for each site owned by Cherry Hill Public School District (Table 51) and aerial maps (Appendix A) of each have been included for reference.

The rest of the significant changes included in the fifth revision of the Facilities Life Extension Assessment are the result of completed construction. As shown in the Completed Project List (Table 49), a significant amount of facility replacements and upgrades have occurred since 2001 district wide, the impact of which can not be readily observed in the Component Replacement Schedules for each building. Total district replacement cost increased from \$191,173,637.00 to \$317,815,466.00 in this revision. Likewise, the total component replacement cost increased from \$109,277,893.00 to \$132,824,974.00. These increases are due entirely to increased construction unit costs, not increased scope. Detailed scrutiny of the individual Component Replacement Schedules will reveal a marked reduction in the scope of work required by the fifth revision.

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Goals and Objectives

- Establish the projected funding needs of the Cherry Hill Board of Education necessary to extend the service life of the existing physical plant 25 years.
- Provide a planning tool useful in assessing facilities requirements when program changes are anticipated or when other long range planning issues are addressed.
- Assist in developing a consistent facilities management philosophy.
- Issues not included in the current study:
 1. Additions to increase building size.
 2. Change-in-Use of buildings in whole or in part.
 3. New or projected educational requirements.
 4. Additional building systems beyond current scope.
 5. Americans with Disabilities Barrier removal, if any.
 6. Technology infrastructure upgrades.

Methodology

- Building systems are identified and their replacement life cycle evaluated. Table 1 describes the expected useful design life for building components and systems used as guidance in decision making.
- Design life for structural systems including slabs on grade, frames, bearing walls, etc. and underground plumbing and drainage systems is 100 years.
- Survey available documentation to establish facilities scope, date of construction, and building system types.
- Update each Facility Data Summary to incorporate recent building expansion projects. This report includes the 1999 Bond Referendum projects completed or under construction as of January 2001.
- Establish previous maintenance and replacement activities for each facility. Analyze ongoing maintenance programs, and impact the budget model accordingly.
- Develop a budget model for each facility as follows:
 1. Establish replacement cost of the facility based on experience and published historical data in current dollars. Table 2 provides the unit cost breakdown;
 2. Establish the effective design life of each building system and determine the point in time when a replacement-in-kind project would be required;
 3. Proportion Work according to Work completed, in progress, or planned;
 4. Prioritize each replacement within a selected time frame - immediate, short term, or long term.
- All costs reported (Statement of Most Probable Costs) are for replacement-in-kind systems and include current state of technology and code minimum upgrades. Code compliance for the entire facility is not included.
- Soft costs such as professional fees, permits, bonding costs, and legal fees are not included. Generally, soft costs represent as much as an additional 25% of construction cost.

Findings

- The current physical plant as summarized in this report totals 1,702,740 square feet in twenty-two buildings. Previous versions of this report listed 1,548,000 square feet and twenty buildings. In the year 2031, the vast majority of the building stock will be in excess of sixty-eight years old. The rate of maintenance spending over the course of this report to 2000 has been between \$0.39 and \$0.78 per square foot per year. Given these observations, all building systems (with the exception of major structural components, building foundations and slabs-on-grade) will require replacement or major renovations in the short term.
- The total construction replacement cost for all buildings is \$317,815,466.00 not including site procurement, site improvements, and soft costs.
- The District maintains approximately 389 acres at 20 sites.
- Each facility is summarized in the attached Tables 3 through 24, Facility Data Summary Sheet, and the projected schedule of replacement as indicated in the attached Table 25 through 46, Component Replacement Schedules.
- A grand summary for the cost to upgrade the entire physical plant is shown in Table 47, Life Extension Assessment Cost Summary.
- Table 48 summarizes the current status of roof replacement projects.
- Table 49 lists projects completed or under contract (by Becica Associates) as of July 2006. Note that this list does not include projects designed or completed by others independent of Becica Associates. Construction amounts / contract amounts are included for each project at the time of construction.
- Table 50 shows the sum of construction / contract costs per year of construction & sums their escalated values in present worth dollars. These escalated values are estimated using the average amount of inflation (in US) for that year, based on the Consumer Price Index.¹
- Table 51 outlines all properties owned by the district, identified by both school name and block/lot of the Cherry Hill Township Tax Map, including properties which are currently vacant. Aerial maps are provided for each in Appendix A.
- Budgets reported herein can vary depending upon final project definition.

¹ Calculated factors provided by Oregon State University. Sahr, Robert. *Inflation Conversion Factors for Dollars 1665 to Estimated 2016*. <http://oregonstate.edu/cla/polisci/faculty/sahr/sahr.htm>, 2006.

- Final project scopes required to accomplish the facilities life extension must be coordinated with the district's educational plans for the future.
- Building heating and ventilating systems have exceeded their design services life. Indoor air quality and energy conservation could be greatly improved with planned equipment replacement. Short term costs under the HVAC sections in Tables 24 – 47 should be taken together as accurate representations of expected overall cost. Air conditioning is not included for buildings not having cooling capacity in their existing central plants. An independent study² commissioned by the District in 2003 confirms the need for district wide systems replacement.

² Concord Engineering Group, *Cherry Hill Public School District: District Wide HVAC, Controls & Lighting Replacement Study*, June 30, 2003.

Table 1
Expected Component Design Life

<u>System</u>	<u>Name</u>	<u>Typ. Life (yrs)</u>
Structural-Foundations	-	100
Superstructure	-	100
Exterior – Walls	Brick veneer	75
	Metal panels	50
Exterior – Windows	Aluminum framed, single pane	45
	Curtain wall system	60
Exterior – Doors	Steel door	35
	Aluminum entrance	30
Roofs	Modified bitumen	30
	Single ply membrane	25
	Metal roofing panels	30
	Asphalt shingles	20
Interior – Masonry Partitions	-	75
Interior Doors & Hardware	-	30
Interior Wall Finishes	Paint	5
Floor Finishes	Carpet	10
	Resilient flooring (vinyl)	20
	Wood	35
	Ceramic tile	25
	Terrazzo	40
Ceiling	Acoustical panel	10
Elevators	Elevators	40
	Wheelchair lifts	25
	Piping Materials	30
Domestic Water Distribution	Piping Materials	30
Hot Water heater	-	15
Plumbing – fixtures	-	30
Heating System Types	Boiler	20
Cooling System Types	Window unit A/C (1.5 ton typ)	20
Exhaust Ventilation	-	15
HVAC Controls	Pneumatic	20
Fire Sprinkler System	-	75
Building Electrical Service	-	30
Branch Panels	-	25
Interior Lighting	-	30
Exterior Lighting	-	25
	Emergency battery pack with 2 sealed beam lights	8
Exit Signs	-	10
Power Outlets	-	30
Communication & Security Systems	-	20
	Fire Alarm	15
	Clock	15
	Data ports	5
	Telephone (wired)	15
Emergency Power	-	15
Site Improvements	Site – Pavement, parking	20
	Site – Walkways	20
	Site – Landscaping, plant material, grass	15
	Site – Fencing	20

Athletic Facilities	Basketball equipment	30
	Track	30
	Spectator seating/stands, interior	50
	Spectator seating/stands, exterior	50
Fixed Furnishings	Auditorium seating	30
	Window treatment	15

Excerpted from NJDOE Five Year Plan

Table 2
Basis for Budget Estimates

New Facility Construction Budget:

1. Early Childhood Center: \$166.00/BSF
2. Elementary School: \$183.00/BSF
3. Middle School: \$189.00/BSF
4. High School: \$195.00/BSF
5. Offices: \$125.00/BSF
6. Warehouse/Garage/Maintenance Facility: \$69.00/BSF

Unit Cost Breakdown of Major Building Components: Note: costs are for comparison purposes only to evaluate replacement costs in terms of present value. Alteration and replacement costs must be determined based on a detailed, project specific evaluation.

Site

Athletic Fields	Project Specific
Drainage	Project Specific
Playgrounds	\$25,214.31 / LS/Set
Paving	\$2.53 / BSF
Walks & Curbs	\$1.90 / BSF

Exterior Envelope

Exterior Doors	\$5,000.00 / LS/Leaf
Roofing	\$22.00 / RSF
Walls	\$80.00 / WASF
Windows	\$60.00 / WSF

Building Structure

Roof Deck	\$7.00 / RSF
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Interior and Finishes

Casework	\$6.31 / BSF
Ceilings	\$3.00 / BSF
Flooring	\$7.50 / BSF
Interior Doors	\$2,000.00 / LS/Leaf
Painting	\$1.58 / BSF

Equipment, Specialties, etc.

Student Lockers	\$150.00 / Unit
Bleachers	Project Specific
Elevator	Project Specific
Kitchen	\$250.00 / SF
Window Treatments	\$6.31 / WSF
Toilet Room Specialties	\$0.64 / BSF

Visual Display Boards	\$2,000.00 / Classroom
Plumbing	
Domestic Water System	\$5.24 / BSF
Fire Protection	\$3.00 / BSF
Fixtures	\$2,500.00 / FIX
Water Service	\$0.64 / BSF
Heating and Ventilating	
Central Plant	\$7.00 / BSF
Controls	\$4.50 / BSF
Distribution	\$11.50 / BSF
Terminal Units	\$7.00 / BSF
Electrical	
Branch Circuits and Devices	\$4.00 / BSF
Fire Alarm	\$2.00 / BSF
Lighting	\$3.50 / BSF
Master Clock	\$0.75 / BSF
P.A. System	\$2.00 / BSF
Service and Distribution	\$3.00 / BSF

Abbreviations:

BSF	Building square feet
LS	Lump sum
RSF	Roof square feet
WSF	Window square feet
WASF	Wall square feet
CLR	Classroom
TR	Toilet room
EA	Each
NA	Not applicable
FIX	Fixtures

Table 3
Facility Data Summary
Barclay Early Childhood Center

School Name: Barclay Early Childhood Center
School Address: 1220 Winston Way
NJDOE School No.: 062
Grades Housed: Pre K - K
2005 Enrollment: 374

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1959	<u>32,300 s.f.</u> 32,300 s.f.

Gross Floor Area per Student: 86 s.f./student
Construction Type: (BOCA): 2C Non-Combustible, Non-Protected
Number of Stories: 1
Size of Site: 11.0+ ac
Building Replacement Cost: \$5,361,800 (\$166/s.f.)

Table 4
Facility Data Summary
Barton Elementary School

School Name: Barton Elementary School
School Address: 223 Rhode Island Avenue
NJDOE School No.: 069
Grades Housed: K-5
2005 Enrollment: 495

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1965	41,023 s.f.
B	1 classroom addition	1994	1,273 s.f.
C	6 classroom addition	2000	<u>7,747 s.f.</u>
			50,043 s.f.

Gross Floor Area per Student: 101 s.f./student
Construction Type: (BOCA): 2C Non-Combustible, Non-Protected
Number of Stories: 1
Size of Site: 11.56± ac
Building Replacement Cost: \$9,157,869 (\$183/s.f.)

Table 5
Facility Data Summary
Cooper Elementary School

School Name: Cooper Elementary School
School Address: 1960 Greentree Road
NJDOE School No.: 083
Grades Housed: K-5
2005 Enrollment: 295

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1970	44,733 s.f.
B	4 classroom addition	2000	<u>5,084 s.f.</u>
			49,817 s.f.

Gross Floor Area per Student: 169 s.f./student
Construction Type: (BOCA): 2C Non-Combustible, Non-Protected
Number of Stories: 1
Size of Site: 9.63± ac
Building Replacement Cost: \$9,116,511 (\$183/s.f.)

Table 6
Facility Data Summary
Harte Elementary School

School Name: Harte Elementary School
School Address: 1909 Queen Anne Road
NJDOE School No.: 068
Grades Housed: K-5
2005 Enrollment: 358

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1967	45,619 s.f.
B	1968 addition	1968	5,769 s.f.
C	3 classroom addition	2000	<u>5,192 s.f.</u>
			56,580 s.f.

Gross Floor Area per Student: 158 s.f./student
Construction Type: (BOCA): 2C Non-Combustible, Non-Protected
Number of Stories: 2
Size of Site: 7.49± ac
Building Replacement Cost: \$10,354,140 (\$183/s.f.)

Table 7
Facility Data Summary
Johnson Elementary School

School Name: Johnson Elementary School
School Address: 500 Kresson Road
NJDOE School No.: 085
Grades Housed: K-5
2005 Enrollment: 440

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1966	40,996 s.f.
B	2 classroom addition	1994	3,197 s.f.
C	5 classroom addition	2000	<u>7,357 s.f.</u>
			51,550 s.f.

Gross Floor Area per Student: 117 s.f./student
Construction Type: (BOCA): 2C Non-Combustible, Non-Protected
Number of Stories: 1
Size of Site: 19.82± ac
Building Replacement Cost: \$9,433,650 (\$183/s.f.)

Table 8
Facility Data Summary
Kilmer Elementary School

School Name: Kilmer Elementary School
School Address: 2900 Chapel Avenue
NJDOE School No.: 105
Grades Housed: K-5
2005 Enrollment: 392

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1968	47,317 s.f.
B	6 classroom addition	2000	<u>8,625 s.f.</u>
			55,942 s.f.

Gross Floor Area per Student: 143 s.f./student
Construction Type: (BOCA): 2C Non-Combustible, Non-Protected
Number of Stories: 1
Size of Site: 13.27± ac
Building Replacement Cost: \$10,237,386 (\$183/s.f.)

Table 9
Facility Data Summary
Kingston Elementary School

School Name: Kingston Elementary School
School Address: 320 Kingston Road
NJDOE School No.: 110
Grades Housed: K-5
2005 Enrollment: 363

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1955	21,587 s.f.
B	8 classroom addition	1958	8,916 s.f.
C	annex addition	1962	<u>13,470 s.f.</u>
			43,973 s.f.

Gross Floor Area per Student: 121 s.f./student
Construction Type: (BOCA): 2C Non-Combustible, Non-Protected
Number of Stories: 1
Size of Site: 9.31± ac
Building Replacement Cost: \$8,047,059 (\$183/s.f.)

Table 10
Facility Data Summary
Knight Elementary School

School Name:	<u>Knight Elementary School</u>
School Address:	<u>140 Old Carriage Road</u>
NJDOE School No.:	<u>058</u>
Grades Housed:	<u>K-5</u>
2005 Enrollment:	<u>402</u>

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1964	33,900 s.f.
B	2 classroom addition	1994	2,794 s.f.
C	5 classroom addition	2000	<u>6,244 s.f.</u>
			42,938 s.f.

Gross Floor Area per Student:	<u>107 s.f./student</u>
Construction Type: (BOCA):	<u>2C Non-Combustible, Non-Protected</u>
Number of Stories:	<u>2</u>
Size of Site:	<u>6.67± ac</u>
Building Replacement Cost:	<u>\$7,857,654 (\$183/s.f.)</u>

Table 11
Facility Data Summary
Mann Elementary School

School Name: Mann Elementary School
School Address: 150 Walt Whitman Boulevard
NJDOE School No.: 075
Grades Housed: K-5
2005 Enrollment: 365

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1962	30,722 s.f.
B	3 classroom addition	1994	5,126 s.f.
C	4 classroom addition	2000	<u>5,269 s.f.</u>
			41,117 s.f.

Gross Floor Area per Student: 113 s.f./student
Construction Type: (BOCA): 2C Non-Combustible, Non-Protected
Number of Stories: 1
Size of Site: 6.78± ac
Building Replacement Cost: \$7,524,411 (\$183/s.f.)

Table 12
Facility Data Summary
Paine Elementary School

School Name: Paine Elementary School
School Address: 4001 Church Road
NJDOE School No.: 115
Grades Housed: K-5
2005 Enrollment: 375

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1968	42,863 s.f.
B	3 classroom addition	1994	4,563 s.f.
C	3 classroom addition	2000	<u>4,440 s.f.</u>
			51,866 s.f.

Gross Floor Area per Student: 138 s.f./student
Construction Type: (BOCA): 2C Non-Combustible, Non-Protected
Number of Stories: 1
Size of Site: 10.0± ac
Building Replacement Cost: \$9,491,478 (\$183/s.f.)

Table 13
Facility Data Summary
Sharp Elementary School

School Name: Sharp Elementary School
School Address: 300 Old Orchard Road
NJDOE School No.: 100
Grades Housed: K-5
2005 Enrollment: 360

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1964	33,593 s.f.
B	6 classroom addition	1968	7,958 s.f.
C	2 classroom addition	2000	<u>2,883 s.f.</u>
			44,434 s.f.

Gross Floor Area per Student: 123 s.f./student
Construction Type: (BOCA): 2C Non-Combustible, Non-Protected
Number of Stories: 2
Size of Site: 10.5± ac
Building Replacement Cost: \$8,131,422 (\$183/s.f.)

Table 14
Facility Data Summary
Stockton Elementary School

School Name: Stockton Elementary School
School Address: 200 Wexford Drive
NJDOE School No.: 113
Grades Housed: K-5
2005 Enrollment: 432

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1970	41,415 s.f.
B	2 classroom addition	1994	3,798 s.f.
C	7 classroom addition	2000	<u>9,442 s.f.</u>
			54,655 s.f.

Gross Floor Area per Student: 126 s.f./student
Construction Type: (BOCA): 2C Non-Combustible, Non-Protected
Number of Stories: 1
Size of Site: 10.09± ac
Building Replacement Cost: \$10,001,865 (\$183/s.f.)

Table 15
Facility Data Summary
Woodcrest Elementary School

School Name: Woodcrest Elementary School
School Address: 400 Cranford Road
NJDOE School No.: 130
Grades Housed: K-5
2005 Enrollment: 464

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1958	29,483 s.f.
B	IMC addition	1982	3,783 s.f.
C	10 classroom addition	2000	<u>19,919 s.f.</u>
			53,185 s.f.

Gross Floor Area per Student: 115 s.f./student
Construction Type: (BOCA): 2C Non-Combustible, Non-Protected
Number of Stories: 1
Size of Site: 12.48± ac
Building Replacement Cost: \$9,732,855 (\$183/s.f.)

Table 16
Facility Data Summary
Beck Middle School

School Name: Beck Middle School
School Address: 950 Cropwell Road
NJDOE School No.: 073
Grades Housed: 6-8
2005 Enrollment: 930

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1970	107,028 s.f.
B	science lab addition	2000	<u>12,476 s.f.</u>
			119,504 s.f.

Gross Floor Area per Student: 128 s.f./student
Construction Type: (BOCA): 2C Non-Combustible, Non-Protected
Number of Stories: 1
Size of Site: 40.48± ac
Building Replacement Cost: \$22,586,256 (\$189/s.f.)

Table 17
Facility Data Summary
Carusi Middle School

School Name: Carusi Middle School
School Address: 315 Roosevelt Drive
NJDOE School No.: 067
Grades Housed: 6-8
2005 Enrollment: 948

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1961	50,136 s.f.
B	classroom, cafeteria, & gym addition	1964	58,628 s.f.
C	science lab addition	1994	4,749 s.f.
D	IMC, admin, stage, & classroom addition	2000	<u>16,009 s.f.</u> 129,522 s.f.

Gross Floor Area per Student: 137 s.f./student
Construction Type: (BOCA): 2C Non-Combustible, Non-Protected
Number of Stories: 1
Size of Site: 22.0± ac
Building Replacement Cost: \$24,479,658 (\$189/s.f.)

Table 18
Facility Data Summary
Rosa International Middle School

School Name: Rosa International Middle School
School Address: 485 Browning Lane
NJDOE School No.: 074
Grades Housed: 6-8
2005 Enrollment: 795

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1961	84,706 s.f.
B	IMC expansion & elevator addition	1999	4,031 s.f. 88,737 s.f.

Gross Floor Area per Student: 112 s.f./student
Construction Type: (BOCA): 2C Non-Combustible, Non-Protected
Number of Stories: 2
Size of Site: 25.0± ac
Building Replacement Cost: \$16,771,293 (\$189/s.f.)

Table 19
Facility Data Summary
High School East

School Name: High School East
School Address: 1750 Kresson Road
NJDOE School No.: 030
Grades Housed: 9-12
2005 Enrollment: 2,161

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1967	204,815 s.f.
B	addition	1969	<u>164,292 s.f.</u>
			369,107 s.f.

Gross Floor Area per Student: 171 s.f./student
Construction Type: (BOCA): 2C Non-Combustible, Non-Protected
Number of Stories: 2
Size of Site: 55.7± ac
Building Replacement Cost: \$71,975,865 (\$195/s.f.)

Table 20
Facility Data Summary
High School West

School Name: High School West
School Address: 2101 Chapel Avenue
NJDOE School No.: 040
Grades Housed: 9-12
2005 Enrollment: 1,624

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1956	125,899 s.f.
B	addition	1964	126,094 s.f.
C	IMC addition	1987	7,355 s.f.
D	science lab addition	1994	13,228 s.f.
E	auditorium addition	2001	<u>25,602 s.f.</u>
			298,178 s.f.

Gross Floor Area per Student: 184 s.f./student
Construction Type: (BOCA): 2C Non-Combustible, Non-Protected
Number of Stories: 3
Size of Site: 60.8± ac
Building Replacement Cost: \$58,144,710 (\$195/s.f.)

Table 21
Facility Data Summary
Malberg Alternative High School & Administrative Complex

School Name: Malberg Alt High School & Administrative Complex
School Address: 45 Ranoldo Terrace
NJDOE School No.: 060
Use: Administrative Offices (26,484 s.f.): 66 staff
Alternative High School (14,752 s.f.): 43 students 2005)

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1969	<u>41,236 s.f.</u> 41,236 s.f.

Gross Floor Area per Student: 343 s.f./student
Gross Floor Area per Staff: 401 s.f./staff
Construction Type: (BOCA): 2C Non-Combustible, Non-Protected
Number of Stories: 1
Size of Site: 12.84± ac
Building Replacement Cost: \$6,845,176 (\$166/s.f.)

Table 22
Facility Data Summary
Old Sharp School

School Name: Old Sharp School
School Address: 1155 Markkress Road
Use: Office / Support

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1929	<u>11,224 s.f.</u> 11,224 s.f.

Construction Type: (BOCA): 3B Combustible, Non-combustible
Number of Stories: 2
Size of Site: 3.0+ ac
Building Replacement Cost: \$1,403,000 (\$125/s.f.)

Table 23
Facility Data Summary
Old Sharp Maintenance Garage

School Name: Old Sharp Maintenance Garage
School Address: 1155 Markkress Road
Use: Maintenance / Storage

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1960	<u>5,582 s.f.</u> 5,582 s.f.

Construction Type: (BOCA): 3B Combustible, Non-combustible
Number of Stories: 1
Size of Site: 3.0+ ac
Building Replacement Cost: \$385,158 (\$69/s.f.)

Table 24
Facility Data Summary
Old Sharp Warehouse

School Name: Old Sharp Warehouse
School Address: 1155 Markkress Road
Use: Central Computer / Warehouse
Occupancy: 4-8

Building Data:

<u>Section</u>	<u>Description</u>	<u>Date Constructed</u>	<u>GSF</u>
A	original building	1999	<u>11,250 s.f.</u> 11,250 s.f.

Construction Type: (BOCA): 2C Non-Combustible, Non-Protected
Number of Stories: 1
Size of Site: 3.0± ac
Building Replacement Cost: \$776,250 (\$69/s.f.)

Table 25
Component Replacement Schedule
Barclay Early Childhood Center

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$0	\$0	
	Drainage	NA	EA	\$0	\$0	\$0	\$0	
	Playgrounds	0	Sets	\$0	\$0	\$0	\$0	
	Paving	1	EA	\$175,000	\$0	\$175,000	\$0	
	Walks & Curbs	1	EA	\$50,000	\$0	\$50,000	\$0	
Exterior Envelope	Exterior Doors	29	Leaf	\$145,000	\$20,000	\$85,000	\$0	
	Roofing	32,300	RSF	\$710,600	\$0	\$710,600	\$0	
	Walls	14,341	WASF	\$1,147,280	\$0	\$143,410	\$0	
	Windows	5,904	WSF	\$354,240	\$0	\$0	\$0	
Building Structure	Roof Decks	32,300	RSF	\$226,100	\$0	\$226,100	\$0	
Interior & Finishes	Casework	32,300	BSF	\$203,813	\$0	\$203,813	\$0	
	Ceilings	32,300	BSF	\$96,900	\$0	\$77,520	\$0	
	Flooring	32,300	BSF	\$242,250	\$0	\$242,250	\$0	
	Interior Doors	76	Leaf	\$152,000	\$0	\$142,000	\$0	
	Painting	32,300	BSF	\$51,034	\$0	\$51,034	\$51,034	
Equipment, Specialties and Conveyance Systems	Student Lockers	0	EA	\$0	\$0	\$0	\$0	
	Bleachers	NA	EA	\$0	\$0	\$0	\$0	
	Elevator	NA	EA	\$0	\$0	\$0	\$0	
	Kitchen	186	SF	\$46,500	\$0	\$46,500	\$0	
	Window Treatment	5,904	WSF	\$37,254	\$0	\$0	\$0	
	Toilet Room Specialties	32,300	BSF	\$20,672	\$0	\$10,336	\$10,336	
Visual Display Boards	21	CLR	\$42,000	\$0	\$42,000	\$0		
Central Systems	Plumbing	Domestic Water System	32,300	BSF	\$169,252	\$0	\$169,252	\$0
		Fire Protection	0	BSF	\$0	\$0	\$0	\$0
		Fixtures	65	FIX	\$162,500	\$0	\$145,000	\$17,500
		Water Service	32,300	BSF	\$20,672	\$0	\$20,672	\$0
	Heating & Ventilating	Central Plant (1)	32,300	BSF	\$226,100	\$6,000	\$226,100	\$0
		Controls	32,300	BSF	\$145,350	\$0	\$145,350	\$0
		Distribution	32,300	BSF	\$371,450	\$0	\$371,450	\$0
		Terminal Units	32,300	BSF	\$226,100	\$0	\$226,100	\$0
	Electrical	Branch Circuits & Devices	32,300	BSF	\$129,200	\$0	\$129,200	\$0
		Fire Alarm	32,300	BSF	\$64,600	\$0	\$64,600	\$0
		Lighting	32,300	BSF	\$113,050	\$0	\$90,440	\$0
		Master Clock	32,300	BSF	\$24,225	\$0	\$24,225	\$0
		P.A. System	32,300	BSF	\$64,600	\$0	\$64,600	\$0
		Service & Distribution	32,300	BSF	\$96,900	\$0	\$31,977	\$0
Estimated Budget Per Phase				\$5,514,642	\$26,000	\$3,914,529	\$78,870	
Total Estimated Budget (0-25 yrs)							\$4,019,399	

(1) BOILER JACKET

Table 26
Component Replacement Schedule
Barton Elementary School

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$0	\$0	
	Drainage	NA	EA	\$0	\$0	\$0	\$0	
	Playgrounds	2	Sets	\$50,429	\$0	\$50,429	\$0	
	Paving	50,043	BSF	\$126,609	\$0	\$126,609	\$0	
	Walks & Curbs	50,043	BSF	\$95,082	\$0	\$95,082	\$0	
Exterior Envelope	Exterior Doors	30	Leaf	\$150,000	\$55,000	\$60,000	\$0	
	Roofing	50,043	RSF	\$1,100,946	\$4,000	\$902,776	\$198,170	
	Walls	19,256	WASF	\$1,540,480	\$0	\$192,560	\$0	
	Windows	5,241	WSF	\$314,460	\$0	\$0	\$0	
Building Structure	Roof Decks	50,043	RSF	\$350,301	\$0	\$287,247	\$63,054	
Interior & Finishes	Casework	50,043	BSF	\$315,771	\$0	\$252,617	\$63,154	
	Ceilings	50,043	BSF	\$150,129	\$0	\$120,103	\$30,026	
	Flooring	50,043	BSF	\$375,323	\$0	\$300,258	\$75,065	
	Interior Doors	101	Leaf	\$202,000	\$0	\$162,000	\$40,400	
	Painting	50,043	BSF	\$79,068	\$0	\$79,068	\$79,068	
Equipment, Specialties and Conveyance Systems	Student Lockers	0	EA	\$0	\$0	\$0	\$0	
	Bleachers	NA	EA	\$0	\$0	\$0	\$0	
	Elevator	NA	EA	\$0	\$0	\$0	\$0	
	Kitchen	241	SF	\$60,250	\$0	\$60,250	\$0	
	Window Treatment	5,241	WSF	\$33,071	\$0	\$0	\$33,071	
	Toilet Room Specialties	50,043	BSF	\$32,028	\$0	\$25,622	\$6,406	
	Visual Display Boards	31	CLR	\$62,000	\$0	\$49,600	\$12,400	
Central Systems	Plumbing	Domestic Water System	50,043	BSF	\$262,225	\$0	\$209,780	\$52,445
		Fire Protection	50,043	BSF	\$150,129	\$0	\$0	\$0
		Fixtures	75	FIX	\$187,500	\$0	\$103,125	\$37,500
		Water Service	50,043	BSF	\$32,028	\$0	\$32,028	\$0
	Heating & Ventilating	Central Plant	50,043	BSF	\$350,301	\$0	\$350,301	\$0
		Controls	50,043	BSF	\$225,194	\$0	\$225,194	\$0
		Distribution	50,043	BSF	\$575,495	\$0	\$460,396	\$115,099
		Terminal Units	50,043	BSF	\$350,301	\$0	\$280,241	\$70,060
	Electrical	Branch Circuits & Devices	50,043	BSF	\$200,172	\$0	\$160,138	\$40,034
		Fire Alarm	50,043	BSF	\$100,086	\$0	\$100,086	\$0
		Lighting	50,043	BSF	\$175,151	\$0	\$140,120	\$35,030
		Master Clock	50,043	BSF	\$37,532	\$0	\$37,532	\$0
		P.A. System	50,043	BSF	\$100,086	\$0	\$100,086	\$0
		Service & Distribution	50,043	BSF	\$150,129	\$0	\$120,103	\$30,026
Estimated Budget Per Phase				\$7,934,273	\$59,000	\$5,083,349	\$981,008	
Total Estimated Budget (0-25 yrs)							\$6,123,357	

Table 27
Component Replacement Schedule
Cooper Elementary School

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$0	\$0	
	Drainage	NA	EA	\$0	\$0	\$0	\$0	
	Playgrounds	2	Sets	\$50,429	\$0	\$4,000	\$0	
	Paving	49,817	BSF	\$126,037	\$0	\$126,037	\$0	
	Walks & Curbs	49,817	BSF	\$94,652	\$0	\$94,652	\$0	
Exterior Envelope	Exterior Doors	37	Leaf	\$185,000	\$50,000	\$115,000	\$20,000	
	Roofing	49,817	RSF	\$1,095,974	\$0	\$0	\$0	
	Walls	27,948	WASF	\$2,235,840	\$0	\$279,480	\$0	
	Windows	2,800	WSF	\$168,000	\$0	\$0	\$0	
Building Structure	Roof Decks	49,817	RSF	\$348,719	\$0	\$313,847	\$0	
Interior & Finishes	Casework	49,817	BSF	\$314,345	\$0	\$282,911	\$125,738	
	Ceilings	49,817	BSF	\$149,451	\$0	\$134,506	\$0	
	Flooring	49,817	BSF	\$373,628	\$0	\$336,265	\$0	
	Interior Doors	96	Leaf	\$192,000	\$0	\$172,800	\$0	
	Painting	49,817	BSF	\$78,711	\$0	\$78,711	\$78,711	
Equipment, Specialties and Conveyance Systems	Student Lockers	0	EA	\$0	\$0	\$0	\$0	
	Bleachers	NA	EA	\$0	\$0	\$0	\$0	
	Elevator	NA	EA	\$0	\$0	\$0	\$0	
	Kitchen	278	SF	\$69,500	\$0	\$69,500	\$0	
	Window Treatment	2,800	WSF	\$17,668	\$0	\$0	\$17,668	
	Toilet Room Specialties	49,817	BSF	\$31,883	\$0	\$28,695	\$0	
	Visual Display Boards	24	CLR	\$48,000	\$0	\$43,200	\$0	
Central Systems	Plumbing	Domestic Water System	49,817	BSF	\$261,041	\$0	\$234,937	\$0
		Fire Protection	49,817	BSF	\$149,451	\$0	\$0	\$0
		Fixtures	81	FIX	\$202,500	\$0	\$139,725	\$0
		Water Service	49,817	BSF	\$31,883	\$0	\$31,883	\$0
	Heating & Ventilating	Central Plant	49,817	BSF	\$348,719	\$0	\$348,719	\$0
		Controls	49,817	BSF	\$224,177	\$0	\$224,177	\$0
		Distribution	49,817	BSF	\$572,896	\$0	\$515,606	\$0
		Terminal Units	49,817	BSF	\$348,719	\$0	\$313,847	\$0
	Electrical	Branch Circuits & Devices	49,817	BSF	\$199,268	\$0	\$159,414	\$39,854
		Fire Alarm	49,817	BSF	\$99,634	\$0	\$99,634	\$0
		Lighting	49,817	BSF	\$174,360	\$0	\$174,360	\$0
		Master Clock	49,817	BSF	\$37,363	\$0	\$37,363	\$0
		P.A. System	49,817	BSF	\$99,634	\$0	\$99,634	\$0
		Service & Distribution	49,817	BSF	\$149,451	\$0	\$134,506	\$0
	Estimated Budget Per Phase				\$8,478,931	\$50,000	\$4,593,407	\$281,971
Total Estimated Budget (0-25 yrs)							\$4,925,378	

Table 28
Component Replacement Schedule
Harte Elementary School

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$0	\$0	
	Drainage	NA	EA	\$0	\$0	\$0	\$0	
	Playgrounds	2	Sets	\$50,429	\$0	\$0	\$0	
	Paving	56,580	BSF	\$143,147	\$0	\$143,147	\$0	
	Walks & Curbs	56,580	BSF	\$107,502	\$0	\$107,502	\$0	
Exterior Envelope	Exterior Doors	30	Leaf	\$150,000	\$0	\$130,000	\$0	
	Roofing	34,747	RSF	\$764,434	\$0	\$0	\$0	
	Walls	26,438	WASF	\$2,115,040	\$0	\$264,380	\$0	
	Windows	3,917	WSF	\$235,020	\$0	\$0	\$0	
Building Structure	Roof Decks	34,747	RSF	\$243,229	\$0	\$0	\$243,229	
Interior & Finishes	Casework	56,580	BSF	\$357,020	\$0	\$285,616	\$71,404	
	Ceilings	56,580	BSF	\$169,740	\$0	\$135,792	\$33,948	
	Flooring (1)	56,580	BSF	\$424,350	\$7,000	\$339,480	\$84,870	
	Interior Doors	66	Leaf	\$132,000	\$0	\$105,600	\$26,400	
	Painting	56,580	BSF	\$89,396	\$0	\$89,396	\$89,396	
Equipment, Specialties and Conveyance Systems	Student Lockers	0	EA	\$0	\$0	\$0	\$0	
	Bleachers	NA	EA	\$0	\$0	\$0	\$0	
	Elevator	NA	EA	\$0	\$0	\$0	\$0	
	Kitchen	276	SF	\$69,000	\$0	\$69,000	\$0	
	Window Treatment	3,917	WSF	\$24,716	\$0	\$0	\$24,716	
	Toilet Room Specialties	56,580	BSF	\$36,211	\$0	\$36,211	\$0	
	Visual Display Boards	27	CLR	\$54,000	\$0	\$54,000	\$0	
Central Systems	Plumbing	Domestic Water System	56,580	BSF	\$296,479	\$0	\$296,479	\$0
		Fire Protection	56,580	BSF	\$169,740	\$0	\$0	\$0
		Fixtures	103	FIX	\$257,500	\$0	\$257,500	\$0
		Water Service	56,580	BSF	\$36,211	\$36,211	\$0	\$0
	Heating & Ventilating	Central Plant	56,580	BSF	\$396,060	\$0	\$396,060	\$0
		Controls	56,580	BSF	\$254,610	\$0	\$254,610	\$0
		Distribution	56,580	BSF	\$650,670	\$0	\$520,536	\$130,134
		Terminal Units	56,580	BSF	\$396,060	\$0	\$316,848	\$79,212
	Electrical	Branch Circuits & Devices	56,580	BSF	\$226,320	\$0	\$181,056	\$45,264
		Fire Alarm	56,580	BSF	\$113,160	\$0	\$113,160	\$0
		Lighting	56,580	BSF	\$198,030	\$0	\$158,424	\$39,606
		Master Clock	56,580	BSF	\$42,435	\$0	\$42,435	\$0
		P.A. System	56,580	BSF	\$113,160	\$113,160	\$0	\$0
		Service & Distribution	56,580	BSF	\$169,740	\$0	\$0	\$0
	Estimated Budget Per Phase				\$8,485,410	\$156,371	\$4,297,233	\$868,180
Total Estimated Budget (0-25 yrs)							\$5,321,784	

(1) REFINISH APR FLOOR, CARPET MAIN OFFICE

Table 29
Component Replacement Schedule
Johnson Elementary School

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$0	\$0	
	Drainage	NA	EA	\$0	\$0	\$0	\$0	
	Playgrounds	2	Sets	\$50,429	\$0	\$40,000	\$0	
	Paving	51,550	BSF	\$130,422	\$0	\$130,422	\$0	
	Walks & Curbs	51,550	BSF	\$97,945	\$0	\$97,945	\$0	
Exterior Envelope	Exterior Doors	40	Leaf	\$200,000	\$60,000	\$100,000	\$30,000	
	Roofing	51,550	RSF	\$1,134,100	\$0	\$0	\$0	
	Walls	26,848	WASF	\$2,147,840	\$0	\$268,480	\$0	
	Windows	3,644	WSF	\$218,640	\$0	\$0	\$0	
Building Structure	Roof Decks	51,550	RSF	\$360,850	\$0	\$306,723	\$0	
Interior & Finishes	Casework	51,550	BSF	\$325,281	\$0	\$276,488	\$0	
	Ceilings	51,550	BSF	\$154,650	\$0	\$131,453	\$23,198	
	Flooring	51,550	BSF	\$386,625	\$0	\$270,638	\$0	
	Interior Doors	111	Leaf	\$222,000	\$0	\$182,000	\$0	
	Painting	51,550	BSF	\$81,449	\$0	\$81,449	\$81,449	
Equipment, Specialties and Conveyance Systems	Student Lockers	0	EA	\$0	\$0	\$0	\$0	
	Bleachers	NA	EA	\$0	\$0	\$0	\$0	
	Elevator	NA	EA	\$0	\$0	\$0	\$0	
	Kitchen	210	SF	\$52,500	\$0	\$52,500	\$0	
	Window Treatment	3,466	WSF	\$21,870	\$0	\$0	\$21,870	
	Toilet Room Specialties	51,550	BSF	\$32,992	\$0	\$28,043	\$0	
	Visual Display Boards	32	CLR	\$64,000	\$0	\$54,400	\$9,600	
Central Systems	Plumbing	Domestic Water System (1)	51,550	BSF	\$270,122	\$20,000	\$229,604	\$0
		Fire Protection	51,550	BSF	\$154,650	\$0	\$0	\$0
		Fixtures	99	FIX	\$247,500	\$0	\$163,350	\$0
		Water Service	51,550	BSF	\$32,992	\$0	\$28,043	\$0
	Heating & Ventilating	Central Plant	51,550	BSF	\$360,850	\$0	\$306,723	\$0
		Controls	51,550	BSF	\$231,975	\$0	\$197,179	\$0
		Distribution	51,550	BSF	\$592,825	\$0	\$503,901	\$0
		Terminal Units	51,550	BSF	\$360,850	\$0	\$306,723	\$0
	Electrical	Branch Circuits & Devices	51,550	BSF	\$206,200	\$0	\$175,270	\$0
		Fire Alarm	51,550	BSF	\$103,100	\$0	\$103,100	\$0
		Lighting	51,550	BSF	\$180,425	\$27,064	\$126,298	\$0
		Master Clock	51,550	BSF	\$38,663	\$0	\$38,663	\$0
		P.A. System	51,550	BSF	\$103,100	\$0	\$103,100	\$0
		Service & Distribution	51,550	BSF	\$154,650	\$0	\$131,453	\$0
	Estimated Budget Per Phase				\$8,719,494	\$107,064	\$4,433,944	\$166,117
Total Estimated Budget (0-25 yrs)							\$4,707,125	

(1) HW HEATER

Table 30
Component Replacement Schedule
Kilmer Elementary School

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$0	\$0	
	Drainage	NA	EA	\$0	\$10,000	\$0	\$0	
	Playgrounds	2	Sets	\$50,429	\$0	\$0	\$0	
	Paving	55,942	BSF	\$141,533	\$0	\$141,533	\$0	
	Walks & Curbs	55,942	BSF	\$106,290	\$0	\$106,290	\$0	
Exterior Envelope	Exterior Doors	27	Leaf	\$135,000	\$0	\$0	\$0	
	Roofing	55,942	RSF	\$1,230,724	\$0	\$0	\$0	
	Walls	28,066	WASF	\$2,245,280	\$0	\$280,660	\$0	
	Windows	3,548	WSF	\$212,880	\$0	\$0	\$0	
Building Structure	Roof Decks	55,942	RSF	\$391,594	\$0	\$0	\$0	
Interior & Finishes	Casework	55,942	BSF	\$352,994	\$0	\$300,045	\$0	
	Ceilings	55,942	BSF	\$167,826	\$0	\$142,652	\$0	
	Flooring	55,942	BSF	\$419,565	\$0	\$315,000	\$0	
	Interior Doors	108	Leaf	\$216,000	\$0	\$183,600	\$0	
	Painting	55,942	BSF	\$88,388	\$0	\$88,388	\$88,388	
Equipment, Specialties and Conveyance Systems	Student Lockers	0	EA	\$0	\$0	\$0	\$0	
	Bleachers	NA	EA	\$0	\$0	\$0	\$0	
	Elevator	NA	EA	\$0	\$0	\$0	\$0	
	Kitchen	210	SF	\$52,500	\$0	\$52,500	\$0	
	Window Treatment	3,548	WSF	\$22,388	\$0	\$0	\$11,194	
	Toilet Room Specialties	55,942	BSF	\$35,803	\$0	\$30,432	\$0	
	Visual Display Boards	32	CLR	\$64,000	\$12,000	\$42,000	\$10,000	
Central Systems	Plumbing	Domestic Water System	55,942	BSF	\$293,136	\$0	\$249,166	\$0
		Fire Protection	55,942	BSF	\$167,826	\$0	\$0	\$0
		Fixtures	71	FIX	\$177,500	\$0	\$95,850	\$0
		Water Service	55,942	BSF	\$35,803	\$0	\$35,803	\$0
	Heating & Ventilating	Central Plant	55,942	BSF	\$391,594	\$0	\$391,594	\$0
		Controls	55,942	BSF	\$251,739	\$0	\$213,978	\$0
		Distribution	55,942	BSF	\$643,333	\$0	\$546,833	\$0
		Terminal Units	55,942	BSF	\$391,594	\$0	\$332,855	\$0
	Electrical	Branch Circuits & Devices	55,942	BSF	\$223,768	\$0	\$190,203	\$0
		Fire Alarm	55,942	BSF	\$111,884	\$0	\$111,884	\$0
		Lighting	55,942	BSF	\$195,797	\$0	\$166,427	\$0
		Master Clock	55,942	BSF	\$41,957	\$0	\$41,957	\$0
		P.A. System	55,942	BSF	\$111,884	\$0	\$111,884	\$0
		Service & Distribution	55,942	BSF	\$167,826	\$0	\$142,652	\$0
	Estimated Budget Per Phase				\$9,138,834	\$22,000	\$4,314,186	\$109,582
Total Estimated Budget (0-25 yrs)							\$4,445,769	

Table 31
Component Replacement Schedule
Kingston Elementary School

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$0	\$0	
	Drainage	NA	EA	\$0	\$0	\$0	\$0	
	Playgrounds	2	Sets	\$50,429	\$0	\$50,429	\$0	
	Paving	43,973	BSF	\$111,252	\$0	\$111,252	\$0	
	Walks & Curbs	43,973	BSF	\$83,549	\$0	\$66,839	\$16,710	
Exterior Envelope	Exterior Doors	23	Leaf	\$115,000	\$0	\$0	\$0	
	Roofing	43,973	RSF	\$967,406	\$0	\$0	\$0	
	Walls	16,298	WASF	\$1,303,840	\$0	\$162,980	\$0	
	Windows	9,291	WSF	\$557,460	\$0	\$0	\$0	
Building Structure	Roof Decks	43,973	RSF	\$307,811	\$0	\$0	\$0	
Interior & Finishes	Casework	43,973	BSF	\$277,470	\$0	\$277,470	\$0	
	Ceilings	43,973	BSF	\$131,919	\$0	\$131,919	\$0	
	Flooring	43,973	BSF	\$329,798	\$0	\$329,798	\$0	
	Interior Doors	85	Leaf	\$170,000	\$0	\$170,000	\$0	
	Painting	43,973	BSF	\$69,477	\$0	\$69,477	\$69,477	
Equipment, Specialties and Conveyance Systems	Student Lockers	0	EA	\$0	\$0	\$0	\$0	
	Bleachers	NA	EA	\$0	\$0	\$0	\$0	
	Elevator	NA	EA	\$0	\$0	\$0	\$0	
	Kitchen	404	SF	\$101,000	\$0	\$101,000	\$0	
	Window Treatment	9,291	WSF	\$58,626	\$0	\$0	\$0	
	Toilet Room Specialties	43,973	BSF	\$28,143	\$0	\$28,143	\$0	
	Visual Display Boards	30	CLR	\$60,000	\$0	\$60,000	\$0	
Central Systems	Plumbing	Domestic Water System	43,973	BSF	\$230,419	\$0	\$46,084	\$0
		Fire Protection	43,973	BSF	\$131,919	\$0	\$0	\$0
		Fixtures	93	FIX	\$232,500	\$0	\$46,500	\$0
		Water Service	43,973	BSF	\$28,143	\$0	\$0	\$0
	Heating & Ventilating	Central Plant	43,973	BSF	\$307,811	\$0	\$307,811	\$0
		Controls	43,973	BSF	\$197,879	\$0	\$197,879	\$0
		Distribution	43,973	BSF	\$505,690	\$0	\$505,690	\$0
		Terminal Units	43,973	BSF	\$307,811	\$0	\$307,811	\$0
	Electrical	Branch Circuits & Devices	43,973	BSF	\$175,892	\$0	\$87,946	\$0
		Fire Alarm	43,973	BSF	\$87,946	\$0	\$87,946	\$0
		Lighting	43,973	BSF	\$153,906	\$0	\$153,906	\$0
		Master Clock	43,973	BSF	\$32,980	\$0	\$32,980	\$0
		P.A. System (1)	43,973	BSF	\$87,946	\$15,000	\$72,946	\$0
		Service & Distribution	43,973	BSF	\$131,919	\$0	\$0	\$0
	Estimated Budget Per Phase				\$7,335,937	\$15,000	\$3,406,802	\$86,187
Total Estimated Budget (0-25 yrs)							\$3,507,989	

(1) APR SOUND SYSTEM

Table 32
Component Replacement Schedule
Knight Elementary School

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$0	\$0	
	Drainage	NA	EA	\$0	\$0	\$0	\$0	
	Playgrounds	2	Sets	\$50,429	\$0	\$0	\$0	
	Paving	42,938	BSF	\$108,633	\$0	\$65,180	\$0	
	Walks & Curbs	42,938	BSF	\$81,582	\$3,000	\$48,949	\$0	
Exterior Envelope	Exterior Doors	29	Leaf	\$145,000	\$0	\$87,000	\$0	
	Roofing	32,091	RSF	\$706,002	\$0	\$0	\$0	
	Walls	17,502	WASF	\$1,400,160	\$0	\$105,012	\$0	
	Windows	6,744	WSF	\$404,640	0	\$404,640	\$0	
Building Structure	Roof Decks	32,091	RSF	\$224,637	\$0	\$134,782	\$0	
Interior & Finishes	Casework	42,938	BSF	\$270,939	\$0	\$162,563	\$0	
	Ceilings	42,938	BSF	\$128,814	\$0	\$77,288	\$0	
	Flooring (1)	42,938	BSF	\$322,035	\$4,000	\$193,221	\$0	
	Interior Doors	101	Leaf	\$202,000	\$0	\$121,200	\$0	
	Painting	42,938	BSF	\$67,842	\$0	\$67,842	\$67,842	
Equipment, Specialties and Conveyance Systems	Student Lockers	0	EA	\$0	\$0	\$0	\$0	
	Bleachers	NA	EA	\$0	\$0	\$0	\$0	
	Elevator	NA	EA	\$0	\$0	\$0	\$0	
	Kitchen	234	SF	\$58,500	\$0	\$58,500	\$0	
	Window Treatment	6,744	WSF	\$42,555	\$0	\$42,555	\$0	
	Toilet Room Specialties	42,938	BSF	\$27,480	\$0	\$16,488	\$0	
	Visual Display Boards	27	CLR	\$54,000	\$0	\$32,400	\$0	
Central Systems	Plumbing	Domestic Water System	42,938	BSF	\$224,995	\$0	\$134,997	\$0
		Fire Protection	42,938	BSF	\$128,814	\$0	\$0	\$0
		Fixtures	71	FIX	\$177,500	\$0	\$81,650	\$0
		Water Service	42,938	BSF	\$27,480	\$0	\$27,480	\$0
	Heating & Ventilating	Central Plant	42,938	BSF	\$300,566	\$0	\$300,566	\$0
		Controls	42,938	BSF	\$193,221	\$0	\$193,221	\$0
		Distribution	42,938	BSF	\$493,787	\$0	\$296,272	\$0
		Terminal Units	42,938	BSF	\$300,566	\$0	\$180,340	\$0
	Electrical	Branch Circuits & Devices	42,938	BSF	\$171,752	\$0	\$103,051	\$0
		Fire Alarm	42,938	BSF	\$85,876	\$0	\$85,876	\$0
		Lighting	42,938	BSF	\$150,283	\$0	\$90,170	\$0
		Master Clock	42,938	BSF	\$32,204	\$0	\$32,204	\$0
		P.A. System	42,938	BSF	\$85,876	\$0	\$85,876	\$0
	Service & Distribution	42,938	BSF	\$128,814	\$0	\$0	\$0	
	Estimated Budget Per Phase				\$6,796,982	\$7,000	\$3,229,324	\$67,842
Total Estimated Budget (0-25 yrs)							\$3,304,166	

(1) REFINISH APR STAGE FLOOR

Table 33
Component Replacement Schedule
Mann Elementary School

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields (1)	NA	EA	\$0	\$5,000	\$0	\$0	
	Drainage	NA	EA	\$0	\$0	\$0	\$0	
	Playgrounds	2	Sets	\$50,429	\$40,000	\$0	\$0	
	Paving	41,117	BSF	\$104,026	\$0	\$104,026	\$0	
	Walks & Curbs	41,117	BSF	\$78,122	\$0	\$78,122	\$0	
Exterior Envelope	Exterior Doors	31	Leaf	\$155,000	\$0	\$75,000	\$0	
	Roofing	41,117	RSF	\$904,574	\$0	\$0	\$0	
	Walls	17,805	WASF	\$1,424,400	\$0	\$106,830	\$0	
	Windows	5,614	WSF	\$336,840	\$0	\$0	\$0	
Building Structure	Roof Decks	41,117	RSF	\$287,819	\$0			
Interior & Finishes	Casework	41,117	BSF	\$259,448	\$0	\$171,236	\$0	
	Ceilings	41,117	BSF	\$123,351	\$0	\$81,412	\$0	
	Flooring	41,117	BSF	\$308,378	\$0	\$203,529	\$0	
	Interior Doors	95	Leaf	\$190,000	\$0	\$122,000	\$0	
	Painting	41,117	BSF	\$64,965	\$0	\$64,965	\$64,965	
Equipment, Specialties and Conveyance Systems	Student Lockers	0	EA	\$0	\$0	\$0	\$0	
	Bleachers	NA	EA	\$0	\$0	\$0	\$0	
	Elevator	NA	EA	\$0	\$0	\$0	\$0	
	Kitchen	206	SF	\$51,500	\$0	\$0	\$0	
	Window Treatment	5,614	WSF	\$35,424	\$0	\$0	\$0	
	Toilet Room Specialties	41,117	BSF	\$26,315	\$0	\$17,368	\$0	
	Visual Display Boards	25	CLR	\$50,000	\$0	\$33,000	\$0	
	Folding Partition (2)				\$50,000	\$0	\$0	
Central Systems	Plumbing	Domestic Water System	41,117	BSF	\$215,453	\$0	\$142,199	\$0
		Fire Protection	41,117	BSF	\$123,351	\$0	\$0	\$0
		Fixtures	77	FIX	\$192,500	\$0	\$82,775	\$0
		Water Service	41,117	BSF	\$26,315	\$0	\$26,315	\$0
	Heating & Ventilating	Central Plant	41,117	BSF	\$287,819	\$0	\$287,819	\$0
		Controls	41,117	BSF	\$185,027	\$0	\$185,027	\$0
		Distribution	41,117	BSF	\$472,846	\$0	\$312,078	\$0
		Terminal Units	41,117	BSF	\$287,819	\$0	\$189,961	\$0
	Electrical	Branch Circuits & Devices	41,117	BSF	\$164,468	\$0	\$108,549	\$0
		Fire Alarm	41,117	BSF	\$82,234	\$0	\$82,234	\$0
		Lighting	41,117	BSF	\$143,910	\$0	\$94,980	\$0
		Master Clock	41,117	BSF	\$30,838	\$0	\$30,838	\$0
		P.A. System	41,117	BSF	\$82,234	\$0	\$82,234	\$0
		Service & Distribution	41,117	BSF	\$123,351	\$0	\$81,412	\$0
	Estimated Budget Per Phase				\$6,868,754	\$95,000	\$2,763,907	\$64,965
Total Estimated Budget (0-25 yrs)							\$2,923,872	

(1) SEEDING BEHIND LIBRARY

(2) APR

Table 34
Component Replacement Schedule
Paine Elementary School

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$0	\$0	
	Drainage	NA	EA	\$0	\$50,000	\$0	\$0	
	Playgrounds	2	Sets	\$50,429	\$50,429	\$0	\$0	
	Paving	51,866	BSF	\$131,221	\$0	\$104,977	\$0	
	Walks & Curbs	51,866	BSF	\$98,545	\$0	\$78,836	\$0	
Exterior Envelope	Exterior Doors	39	Leaf	\$195,000	\$0	\$155,000	\$0	
	Roofing	51,866	RSF	\$1,141,052	\$0	\$0	\$0	
	Walls	17,926	WASF	\$1,434,080	\$0	\$143,408	\$0	
	Windows	3,869	WSF	\$232,140	\$0	\$0	\$0	
Building Structure	Roof Decks	51,866	RSF	\$363,062	\$0	\$0	\$0	
Interior & Finishes	Casework	51,866	BSF	\$327,274	\$0	\$258,547	\$0	
	Ceilings	51,866	BSF	\$155,598	\$0	\$122,922	\$0	
	Flooring	51,866	BSF	\$388,995	\$112,500	\$21,000	\$0	
	Interior Doors	99	Leaf	\$198,000	\$0	\$156,420	\$0	
	Painting	51,866	BSF	\$81,948	\$0	\$81,948	\$81,948	
Equipment, Specialties and Conveyance Systems	Student Lockers	0	EA	\$0	\$0	\$0	\$0	
	Bleachers	NA	EA	\$0	\$0	\$0	\$0	
	Elevator	NA	EA	\$0	\$0	\$0	\$0	
	Kitchen	307	SF	\$76,750	\$0	\$76,750	\$0	
	Window Treatment	3,869	WSF	\$24,413	\$0	\$0	\$0	
	Toilet Room Specialties	51,866	BSF	\$33,194	\$0	\$26,223	\$0	
	Visual Display Boards	27	CLR	\$54,000	\$0	\$42,660	\$0	
Central Systems	Plumbing	Domestic Water System (1)	51,866	BSF	\$271,778	\$15,000	\$163,067	\$0
		Fire Protection	51,866	BSF	\$155,598	\$0	\$0	\$0
		Fixtures	98	FIX	\$245,000	\$0	\$193,550	\$0
		Water Service	51,866	BSF	\$33,194	\$0	\$33,194	\$0
	Heating & Ventilating	Central Plant	51,866	BSF	\$363,062	\$0	\$363,062	\$0
		Controls	51,866	BSF	\$233,397	\$0	\$233,397	\$0
		Distribution	51,866	BSF	\$596,459	\$0	\$471,203	\$0
		Terminal Units	51,866	BSF	\$363,062	\$0	\$286,819	\$0
	Electrical	Branch Circuits & Devices	51,866	BSF	\$207,464	\$0	\$163,897	\$0
		Fire Alarm	51,866	BSF	\$103,732	\$0	\$103,732	\$0
		Lighting	51,866	BSF	\$181,531	\$0	\$143,409	\$0
		Master Clock	51,866	BSF	\$38,900	\$0	\$38,900	\$0
		P.A. System	51,866	BSF	\$103,732	\$103,732	\$0	\$0
		Service & Distribution	51,866	BSF	\$155,598	\$0	\$122,922	\$0
Estimated Budget Per Phase				\$8,038,209	\$331,661	\$3,585,844	\$81,948	
Total Estimated Budget (0-25 yrs)							\$3,999,452	

(1) HW HEATER REPLACEMENT

Table 35
Component Replacement Schedule
Sharp Elementary School

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$0	\$0	
	Drainage (1)	NA	EA	\$0	\$50,000	\$0	\$0	
	Playgrounds	2	Sets	\$50,429	\$0	\$50,429	\$0	
	Paving	44,434	BSF	\$112,418	\$0	\$112,418	\$0	
	Walks & Curbs	44,434	BSF	\$84,425	\$0	\$84,425	\$0	
Exterior Envelope	Exterior Doors	26	Leaf	\$130,000	\$0	\$120,000	\$0	
	Roofing	33,209	RSF	\$730,598	\$0	\$0	\$0	
	Walls	19,756	WASF	\$1,580,480	\$0	\$177,804	\$0	
	Windows	5,341	WSF	\$320,460	\$0	\$320,460	\$0	
Building Structure	Roof Decks	33,209	RSF	\$232,463	\$0	\$209,217	\$0	
Interior & Finishes	Casework	44,434	BSF	\$280,379	\$0	\$252,341	\$0	
	Ceilings	44,434	BSF	\$133,302	\$0	\$119,972	\$0	
	Flooring	44,434	BSF	\$333,255	\$0	\$299,930	\$0	
	Interior Doors	106	Leaf	\$212,000	\$0	\$188,000	\$0	
	Painting	44,434	BSF	\$70,206	\$0	\$70,206	\$70,206	
Equipment, Specialties and Conveyance Systems	Student Lockers	0	EA	\$0	\$0	\$0	\$0	
	Bleachers	NA	EA	\$0	\$0	\$0	\$0	
	Elevator	NA	EA	\$0	\$0	\$0	\$0	
	Kitchen	241	SF	\$60,250	\$0	\$60,250	\$0	
	Window Treatment	5,341	WSF	\$33,702	\$0	\$33,702	\$0	
	Toilet Room Specialties (2)	44,434	BSF	\$28,438	\$19,995	\$0	\$0	
Visual Display Boards	29	CLR	\$58,000	\$0	\$52,200	\$0		
Central Systems	Plumbing	Domestic Water System (2)	44,434	BSF	\$232,834	\$92,201	\$209,551	\$0
		Fire Protection	44,434	BSF	\$133,302	\$0	\$0	\$0
		Fixtures (2)	78	FIX	\$195,000	\$90,000	\$117,500	\$0
		Water Service	44,434	BSF	\$28,438	\$28,438	\$0	\$0
	Heating & Ventilating	Central Plant	44,434	BSF	\$311,038	\$0	\$311,038	\$0
		Controls	44,434	BSF	\$199,953	\$0	\$179,958	\$0
		Distribution	44,434	BSF	\$510,991	\$0	\$459,892	\$0
		Terminal Units (2)	44,434	BSF	\$311,038	\$24,439	\$248,830	\$0
	Electrical	Branch Circuits & Devices	44,434	BSF	\$177,736	\$0	\$159,962	\$0
		Fire Alarm	44,434	BSF	\$88,868	\$0	\$88,868	\$0
		Lighting	44,434	BSF	\$155,519	\$0	\$139,967	\$0
		Master Clock	44,434	BSF	\$33,326	\$0	\$29,993	\$0
		P.A. System	44,434	BSF	\$88,868	\$0	\$79,981	\$0
	Service & Distribution	44,434	BSF	\$133,302	\$0	\$119,972	\$0	
Estimated Budget Per Phase				\$7,051,015	\$305,073	\$4,296,864	\$70,206	
Total Estimated Budget (0-25 yrs)							\$4,672,142	

(1) PLAYGROUND DRAINAGE REPAIR
(2) GANG TOILET ROOM RENOVATIONS

Table 36
Component Replacement Schedule
Stockton Elementary School

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$0	\$0	
	Drainage	NA	EA	\$0	\$0	\$0	\$0	
	Playgrounds	2	Sets	\$50,429	\$0	\$0	\$0	
	Paving	54,655	BSF	\$138,277	\$0	\$138,277	\$0	
	Walks & Curbs	54,655	BSF	\$103,845	\$0	\$103,845	\$0	
Exterior Envelope	Exterior Doors	25	Leaf	\$125,000	\$0	\$80,000	\$0	
	Roofing	54,655	RSF	\$1,202,410	\$0	\$360,723	\$0	
	Walls	24,793	WASF	\$1,983,440	\$0	\$148,758	\$0	
	Windows	2,796	WSF	\$167,760	\$0	\$0	\$0	
Building Structure	Roof Decks	54,655	RSF	\$382,585	\$0	\$191,293	\$0	
Interior & Finishes	Casework	54,655	BSF	\$344,873	\$0	\$234,514	\$0	
	Ceilings	54,655	BSF	\$163,965	\$0	\$111,496	\$0	
	Flooring	54,655	BSF	\$409,913	\$0	\$278,741	\$0	
	Interior Doors	91	Leaf	\$182,000	\$0	\$114,000	\$0	
	Painting	54,655	BSF	\$86,355	\$0	\$86,355	\$86,355	
Equipment, Specialties and Conveyance Systems	Student Lockers	0	EA	\$0	\$0	\$0	\$0	
	Bleachers	NA	EA	\$0	\$0	\$0	\$0	
	Elevator	NA	EA	\$0	\$0	\$0	\$0	
	Kitchen	230	SF	\$57,500	\$0	\$57,500	\$0	
	Window Treatment	2,496	WSF	\$15,750	\$0	\$0	\$0	
	Toilet Room Specialties	54,655	BSF	\$34,979	\$11,660	\$11,660	\$0	
	Visual Display Boards	28	CLR	\$56,000	\$6,000	\$34,000	\$0	
Central Systems	Plumbing	Domestic Water System	54,655	BSF	\$286,392	\$0	\$194,747	\$0
		Fire Protection	54,655	BSF	\$163,965	\$0	\$0	\$0
		Fixtures	113	FIX	\$282,500	\$0	\$158,200	\$0
		Water Service	54,655	BSF	\$34,979	\$0	\$34,979	\$0
	Heating & Ventilating	Central Plant	54,655	BSF	\$382,585	\$0	\$382,585	\$0
		Controls	54,655	BSF	\$245,948	\$0	\$167,244	\$0
		Distribution	54,655	BSF	\$628,533	\$0	\$427,402	\$0
		Terminal Units	54,655	BSF	\$382,585	\$0	\$260,158	\$0
	Electrical	Branch Circuits & Devices	54,655	BSF	\$218,620	\$0	\$148,662	\$0
		Fire Alarm	54,655	BSF	\$109,310	\$0	\$109,310	\$0
		Lighting	54,655	BSF	\$191,293	\$0	\$130,079	\$0
		Master Clock	54,655	BSF	\$40,991	\$0	\$40,991	\$0
		P.A. System	54,655	BSF	\$109,310	\$0	\$74,331	\$0
	Service & Distribution	54,655	BSF	\$163,965	\$0	\$111,496	\$0	
Estimated Budget Per Phase				\$8,746,055	\$17,660	\$4,191,344	\$86,355	
Total Estimated Budget (0-25 yrs)							\$4,295,359	

Table 37
Component Replacement Schedule
Woodcrest Elementary School

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$0	\$0	
	Drainage	NA	EA	\$0	\$0	\$0	\$0	
	Playgrounds	2	Sets	\$50,429	\$0	\$25,214	\$0	
	Paving	53,185	BSF	\$134,558	\$0	\$80,735	\$0	
	Walks & Curbs	53,185	BSF	\$101,052	\$0	\$101,052	\$0	
Exterior Envelope	Exterior Doors	45	Leaf	\$225,000	\$0	\$135,000	\$0	
	Roofing	53,185	RSF	\$1,170,070	\$0	\$0	\$0	
	Walls	22,786	WASF	\$1,822,880	\$0	\$136,716	\$0	
	Windows	4,853	WSF	\$291,180	\$0	\$0	\$0	
Building Structure	Roof Decks	53,185	RSF	\$372,295	\$0	\$0	\$0	
Interior & Finishes	Casework	53,185	BSF	\$335,597	\$0	\$201,358	\$0	
	Ceilings	53,185	BSF	\$159,555	\$0	\$95,733	\$0	
	Flooring (1)	53,185	BSF	\$398,888	\$15,000	\$165,000	\$0	
	Interior Doors	103	Leaf	\$206,000	\$0	\$123,600	\$0	
	Painting	53,185	BSF	\$84,032	\$0	\$84,032	\$84,032	
Equipment, Specialties and Conveyance Systems	Student Lockers	0	EA	\$0	\$0	\$0	\$0	
	Bleachers	NA	EA	\$0	\$0	\$0	\$0	
	Elevator	NA	EA	\$0	\$0	\$0	\$0	
	Kitchen	381	SF	\$95,250	\$0	\$0	\$0	
	Window Treatment	4,853	WSF	\$30,622	\$0	\$0	\$0	
	Toilet Room Specialties	53,185	BSF	\$34,038	\$0	\$20,423	\$0	
	Visual Display Boards	28	CLR	\$56,000	\$0	\$33,600	\$0	
Central Systems	Plumbing	Domestic Water System	53,185	BSF	\$278,689	\$0	\$167,214	\$0
		Fire Protection	53,185	BSF	\$159,555	\$0	\$0	\$0
		Fixtures	51	FIX	\$127,500	\$0	\$42,075	\$0
		Water Service	53,185	BSF	\$34,038	\$0	\$0	\$0
	Heating & Ventilating	Central Plant	53,185	BSF	\$372,295	\$0	\$223,377	\$0
		Controls	53,185	BSF	\$239,333	\$0	\$143,600	\$0
		Distribution	53,185	BSF	\$611,628	\$0	\$366,977	\$0
		Terminal Units	53,185	BSF	\$372,295	\$0	\$223,377	\$0
	Electrical	Branch Circuits & Devices	53,185	BSF	\$212,740	\$0	\$127,644	\$0
		Fire Alarm	53,185	BSF	\$106,370	\$0	\$63,822	\$0
		Lighting	53,185	BSF	\$186,148	\$0	\$111,689	\$0
		Master Clock	53,185	BSF	\$39,889	\$0	\$23,933	\$0
		P.A. System	53,185	BSF	\$106,370	\$0	\$63,822	\$0
	Service & Distribution	53,185	BSF	\$159,555	\$0	\$0	\$0	
	Estimated Budget Per Phase				\$8,573,850	\$15,000	\$2,759,992	\$84,032
Total Estimated Budget (0-25 yrs)							\$2,859,024	

(1) LIBRARY CARPET

Table 38
Component Replacement Schedule
Beck Middle School

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$0	\$0	
	Drainage	NA	EA	\$0	\$0	\$0	\$0	
	Playgrounds	0	Sets	\$0	\$0	\$0	\$0	
	Paving	119,504	BSF	\$302,345	\$0	\$241,876	\$0	
	Walks & Curbs	119,504	BSF	\$227,058	\$0	\$181,646	\$0	
Exterior Envelope	Exterior Doors	44	Leaf	\$220,000	\$30,000	\$0	\$0	
	Roofing	119,504	RSF	\$2,629,088	\$0	\$0	\$525,818	
	Walls	35,043	WASF	\$2,803,440	\$0	\$280,344	\$0	
	Windows	9,287	WSF	\$557,220	\$0	\$0	\$0	
Building Structure	Roof Decks	119,504	RSF	\$836,528	\$0	\$0	\$0	
Interior & Finishes	Casework	119,504	BSF	\$754,070	\$0	\$377,035	\$0	
	Ceilings	119,504	BSF	\$358,512	\$0	\$322,661	\$0	
	Flooring (2)	119,504	BSF	\$896,280	\$85,000	\$537,768	\$0	
	Interior Doors	204	Leaf	\$408,000	\$0	\$367,200	\$0	
	Painting	119,504	BSF	\$188,816	\$0	\$188,816	\$188,816	
Equipment, Specialties and Conveyance Systems	Student Lockers	1,028	EA	\$154,200	\$154,200	\$0	\$0	
	Bleachers	4	EA	\$160,000	\$0	\$0	\$0	
	Elevator	NA	EA	\$0	\$0	\$0	\$0	
	Kitchen	1,607	SF	\$401,750	\$0	\$200,875	\$0	
	Window Treatment	9,287	WSF	\$58,601	\$0	\$0	\$0	
	Toilet Room Specialties	119,504	BSF	\$76,483	\$0	\$68,834	\$0	
	Visual Display Boards	46	CLR	\$92,000	\$0	\$82,800	\$0	
	Gym Lockers	686	EA	\$51,450	\$0	\$51,450	\$0	
Central Systems	Plumbing	Domestic Water System	119,504	BSF	\$626,201	\$0	\$250,480	\$313,100
		Fire Protection	119,504	BSF	\$358,512	\$0	\$0	\$0
		Fixtures (1)	100	FIX	\$250,000	\$38,625	\$140,000	\$0
		Water Service	119,504	BSF	\$76,483	\$0	\$76,483	\$0
	Heating & Ventilating	Central Plant	119,504	BSF	\$836,528	\$0	\$350,000	\$0
		Controls	119,504	BSF	\$537,768	\$0	\$483,991	\$0
		Distribution	119,504	BSF	\$1,374,296	\$0	\$1,236,866	\$0
		Terminal Units	119,504	BSF	\$836,528	\$0	\$752,875	\$0
	Electrical	Branch Circuits & Devices	119,504	BSF	\$478,016	\$0	\$286,810	\$0
		Fire Alarm	119,504	BSF	\$239,008	\$0	\$215,107	\$0
		Lighting	119,504	BSF	\$418,264	\$0	\$351,239	\$0
		Master Clock	119,504	BSF	\$89,628	\$0	\$80,665	\$0
		P.A. System	119,504	BSF	\$239,008	\$0	\$215,107	\$0
		Service & Distribution	119,504	BSF	\$358,512	\$0	\$143,405	\$0
	Estimated Budget Per Phase				\$17,894,592	\$307,825	\$7,484,334	\$1,027,734
Total Estimated Budget (0-25 yrs)							\$8,819,894	

- (1) REPLACE FLUSH VALVES IN GANG TOILET ROOMS
(2) GYM FLOOR REFINISH, 8 CLASSROOM FLOOR TILES

Table 39
Component Replacement Schedule
Carusi Middle School

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields (4)	NA	EA	\$0	\$38,000	\$350,000	\$0	
	Drainage	NA	EA	\$0	\$0	\$50,000	\$0	
	Playgrounds	0	Sets	\$0	\$0	\$0	\$0	
	Paving	129,523	BSF	\$327,693	\$0	\$262,155	\$0	
	Walks & Curbs	129,523	BSF	\$246,094	\$0	\$196,875	\$0	
Exterior Envelope	Exterior Doors	67	Leaf	\$335,000	\$30,000	\$200,000	\$0	
	Roofing	123,165	RSF	\$2,709,630	\$0	\$0	\$0	
	Walls (1)	42,216	WASF	\$3,377,280	\$25,000	\$253,296	\$0	
	Windows	13,506	WSF	\$810,360	\$0	\$0	\$0	
Building Structure	Roof Decks	123,165	RSF	\$862,155	\$0	\$0	\$0	
Interior & Finishes	Casework	129,523	BSF	\$817,290	\$0	\$686,524	\$0	
	Ceilings (2)	129,523	BSF	\$388,569	\$51,809	\$310,855	\$0	
	Flooring	129,523	BSF	\$971,423	\$0	\$777,138	\$0	
	Interior Doors	230	Leaf	\$460,000	\$0	\$356,000	\$0	
	Painting	129,523	BSF	\$204,646	\$0	\$204,646	\$204,646	
Equipment, Specialties and Conveyance Systems	Student Lockers	928	EA	\$139,200	\$0	\$111,360	\$0	
	Bleachers	4	EA	\$160,000	\$0	\$0	\$0	
	Elevator	NA	EA	\$0	\$0	\$0	\$0	
	Kitchen	1,990	SF	\$497,500	\$0	\$248,750	\$0	
	Window Treatment	13,506	WSF	\$85,223	\$0	\$0	\$0	
	Toilet Room Specialties	129,523	BSF	\$82,895	\$0	\$66,316	\$0	
	Visual Display Boards	55	CLR	\$110,000	\$0	\$88,000	\$0	
Gym Lockers	619	EA	\$46,425	\$0	\$46,425	\$0		
Central Systems	Plumbing	Domestic Water System	129,523	BSF	\$678,701	\$0	\$339,350	\$0
		Fire Protection	129,523	BSF	\$388,569	\$0	\$0	\$0
		Fixtures (3)	56	FIX	\$140,000	\$33,000	\$0	\$0
		Water Service	129,523	BSF	\$82,895	\$0	\$82,895	\$0
	Heating & Ventilating	Central Plant	129,523	BSF	\$906,661	\$0	\$453,331	\$0
		Controls	129,523	BSF	\$582,854	\$0	\$291,427	\$0
		Distribution	129,523	BSF	\$1,489,515	\$0	\$744,757	\$0
		Terminal Units	129,523	BSF	\$906,661	\$0	\$815,995	\$0
	Electrical	Branch Circuits & Devices	129,523	BSF	\$518,092	\$0	\$259,046	\$0
		Fire Alarm	129,523	BSF	\$259,046	\$0	\$233,141	\$0
		Lighting	129,523	BSF	\$453,331	\$64,762	\$407,997	\$0
		Master Clock	129,523	BSF	\$97,142	\$0	\$87,428	\$0
		P.A. System	129,523	BSF	\$259,046	\$0	\$233,141	\$0
		Service & Distribution	129,523	BSF	\$388,569	\$0	\$116,571	\$0
	Estimated Budget Per Phase				\$19,782,462	\$242,571	\$8,273,419	\$204,646
Total Estimated Budget (0-25 yrs)							\$8,720,636	

- (1) REPOINTING BUDGET
- (2) REPLACE CORRIDOR CEILING
- (3) REPLACE FLUSH VALVES IN GANG TOILET ROOMS
- (4) SEED / FERTILIZE AND TRACK REFINISHING

Table 40
Component Replacement Schedule
Rosa International Middle School

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$0	\$0	
	Drainage	NA	EA	\$0	\$50,000	\$0	\$0	
	Playgrounds	0	Sets	\$0	\$0	\$0	\$0	
	Paving	88,737	BSF	\$224,505	\$0	\$224,505	\$0	
	Walks & Curbs	88,737	BSF	\$168,600	\$0	\$168,600	\$0	
Exterior Envelope	Exterior Doors	52	Leaf	\$260,000	\$0	\$0	\$0	
	Roofing (1)	69,645	RSF	\$1,532,190	\$0	\$360,000	\$557,000	
	Walls	21,265	WASF	\$1,701,200	\$0	\$340,240	\$0	
	Windows	19,959	WSF	\$1,197,540	\$0	\$898,140	\$0	
Building Structure	Roof Decks	69,645	RSF	\$487,515	\$0	\$97,503	\$97,503	
	Breezeways				\$0	\$285,000	\$0	
Interior & Finishes	Casework	88,737	BSF	\$559,930	\$0	\$111,986	\$0	
	Ceilings	88,737	BSF	\$266,211	\$0	\$266,211	\$0	
	Flooring	88,737	BSF	\$665,528	\$0	\$0	\$332,764	
	Interior Doors	163	Leaf	\$326,000	\$0	\$0	\$326,000	
	Painting	88,737	BSF	\$140,204	\$0	\$140,204	\$140,204	
Equipment, Specialties and Conveyance Systems	Student Lockers	800	EA	\$120,000	\$0	\$0	\$120,000	
	Bleachers	4	EA	\$160,000	\$0	\$0	\$160,000	
	Elevator	1	EA	\$50,000	\$0	\$0	\$0	
	Kitchen	584	SF	\$146,000	\$0	\$0	\$146,000	
	Window Treatment	19,959	WSF	\$125,941	\$0	\$125,941	\$0	
	Toilet Room Specialties	88,737	BSF	\$56,792	\$0	\$0	\$56,792	
	Visual Display Boards	40	CLR	\$80,000	\$0	\$0	\$80,000	
Central Systems	Plumbing	Domestic Water System	88,737	BSF	\$464,982	\$0	\$232,491	\$0
		Fire Protection	88,737	BSF	\$266,211	\$0	\$0	\$0
		Fixtures	59	FIX	\$147,500	\$0	\$73,750	\$0
		Water Service	88,737	BSF	\$56,792	\$0	\$56,792	\$0
	Heating & Ventilating	Central Plant	88,737	BSF	\$621,159	\$0	\$621,159	\$0
		Controls	88,737	BSF	\$399,317	\$0	\$399,317	\$0
		Distribution	88,737	BSF	\$1,020,476	\$0	\$1,020,476	\$0
		Terminal Units	88,737	BSF	\$621,159	\$0	\$621,159	\$0
	Electrical	Branch Circuits & Devices	88,737	BSF	\$354,948	\$0	\$70,990	\$0
		Fire Alarm	88,737	BSF	\$177,474	\$0	\$17,747	\$0
		Lighting	88,737	BSF	\$310,580	\$0	\$93,174	\$0
		Master Clock	88,737	BSF	\$66,553	\$0	\$66,553	\$0
		P.A. System	88,737	BSF	\$177,474	\$0	\$17,747	\$0
		Service & Distribution	88,737	BSF	\$266,211	\$0	\$26,621	\$0
Estimated Budget Per Phase				\$13,218,990	\$50,000	\$6,336,305	\$2,016,263	
Total Estimated Budget (0-25 yrs)							\$8,402,568	

(1) "C" WING

**Table 41
Component Replacement Schedule
High School East**

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$350,000	\$0	
	Drainage	NA	EA	\$0	\$0	\$50,000	\$0	
	Playgrounds	0	Sets	\$0	\$0	\$0	\$0	
	Paving	359,107	BSF	\$908,541	\$0	\$200,000	\$0	
	Walks & Curbs	359,107	BSF	\$682,303	\$0	\$150,000	\$0	
Exterior Envelope	Exterior Doors	152	Leaf	\$760,000	\$30,000	\$640,000	\$0	
	Roofing	261,069	RSF	\$5,743,518	\$0	\$169,400	\$0	
	Walls	94,397	WASF	\$7,551,760	\$0	\$2,265,528	\$0	
	Windows	17,779	WSF	\$1,066,740	\$0	\$320,022	\$0	
	Canopies				\$0	\$0	\$0	
Building Structure	Roof Decks	261,069	RSF	\$1,827,483	\$0	\$182,748	\$0	
Interior & Finishes	Casework	359,107	BSF	\$2,265,965	\$0	\$226,597	\$0	
	Ceilings	359,107	BSF	\$1,077,321	\$0	\$861,857	\$0	
	Flooring (1)	359,107	BSF	\$2,693,303	\$7,500	\$1,289,730	\$0	
	Interior Doors	745	Leaf	\$1,490,000	\$0	\$1,338,000	\$0	
	Painting	359,107	BSF	\$567,389	\$0	\$567,389	\$567,389	
Equipment, Specialties and Conveyance Systems	Student Lockers	2,138	EA	\$320,700	\$0	\$320,700	\$0	
	Bleachers	8	EA	\$320,000	\$0	\$0	\$0	
	Elevator	1	EA	\$250	\$0	\$250	\$0	
	Kitchen	3,298	SF	\$824,500	\$0	\$250,000	\$0	
	Window Treatment	17,779	WSF	\$112,185	\$0	\$33,656	\$0	
	Toilet Room Specialties	359,107	BSF	\$229,828	\$0	\$229,828	\$0	
	Visual Display Boards	102	CLR	\$204,000	\$0	\$204,000	\$0	
	Gym Lockers	1,426	EA	\$0	\$0	\$0	\$0	
Central Systems	Plumbing	Domestic Water System	359,107	BSF	\$1,881,721	\$0	\$940,860	\$0
		Fire Protection	359,107	BSF	\$1,077,321	\$0	\$0	\$0
		Fixtures	208	FIX	\$520,000	\$0	\$227,500	\$0
		Water Service	359,107	BSF	\$229,828	\$0	\$229,828	\$0
	Heating & Ventilating	Central Plant	359,107	BSF	\$2,513,749	\$0	\$1,300,000	\$0
		Controls	359,107	BSF	\$1,615,982	\$0	\$807,991	\$0
		Distribution	359,107	BSF	\$4,129,731	\$0	\$4,129,731	\$0
		Terminal Units	359,107	BSF	\$2,513,749	\$0	\$2,513,749	\$0
	Electrical	Branch Circuits & Devices	359,107	BSF	\$1,436,428	\$0	\$430,928	\$0
		Fire Alarm	359,107	BSF	\$718,214	\$0	\$359,107	\$0
		Lighting	359,107	BSF	\$1,256,875	\$0	\$1,225,725	\$0
		Master Clock	359,107	BSF	\$269,330	\$0	\$269,330	\$0
		P.A. System	359,107	BSF	\$718,214	\$0	\$718,214	\$0
		Service & Distribution	359,107	BSF	\$1,077,321	\$0	\$0	\$0
Estimated Budget Per Phase				\$48,604,249	\$37,500	\$22,802,668	\$567,389	
Total Estimated Budget (0-25 yrs)							\$23,407,557	

(1) LIBRARY

Table 42
Component Replacement Schedule
High School West

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$300,000	\$0	
	Drainage (1)	NA	EA	\$0	\$40,000	\$100,000	\$0	
	Playgrounds	0	Sets	\$0	\$0	\$0	\$0	
	Paving	272,576	BSF	\$689,617	\$0	\$344,809	\$0	
	Walks & Curbs	272,576	BSF	\$517,894	\$0	\$258,947	\$0	
Exterior Envelope	Exterior Doors	73	Leaf	\$365,000	\$0	\$170,000	\$0	
	Roofing	178,675	RSF	\$3,930,850	\$0	\$1,965,425	\$0	
	Walls	72,653	WASF	\$5,812,240	\$0	\$435,918	\$0	
	Windows	46,708	WSF	\$2,802,480	\$0	\$1,821,612	\$0	
Building Structure	Roof Decks	178,675	RSF	\$1,250,725	\$0	\$125,073	\$0	
Interior & Finishes	Casework	272,576	BSF	\$1,719,955	\$0	\$687,982	\$0	
	Ceilings	272,576	BSF	\$817,728	\$0	\$817,728	\$0	
	Flooring	272,576	BSF	\$2,044,320	\$0	\$1,635,456	\$0	
	Interior Doors	468	Leaf	\$936,000	\$0	\$926,000	\$0	
	Painting	272,576	BSF	\$430,670	\$0	\$430,670	\$430,670	
Equipment, Specialties and Conveyance Systems	Student Lockers	2,000	EA	\$150,000	\$0	\$150,000	\$0	
	Bleachers	8	EA	\$320,000	\$0	\$0	\$0	
	Elevator	1	EA	\$50,000	\$0	\$0	\$0	
	Kitchen	1,153	SF	\$288,250	\$0	\$288,250	\$0	
	Window Treatment	46,708	WSF	\$294,727	\$0	\$191,573	\$0	
	Toilet Room Specialties	272,576	BSF	\$174,449	\$0	\$174,449	\$0	
	Visual Display Boards	88	CLR	\$176,000	\$0	\$176,000	\$0	
	Gym Lockers	1,186	EA	\$88,950	\$0	\$88,950	\$0	
Central Systems	Plumbing	Domestic Water System	272,576	BSF	\$1,428,298	\$0	\$571,319	\$0
		Fire Protection	272,576	BSF	\$817,728	\$0	\$0	\$0
		Fixtures	213	FIX	\$532,500	\$0	\$412,500	\$0
		Water Service	272,576	BSF	\$174,449	\$0	\$0	\$0
	Heating & Ventilating	Central Plant	272,576	BSF	\$1,908,032	\$0	\$1,526,426	\$0
		Controls	272,576	BSF	\$1,226,592	\$0	\$981,274	\$0
		Distribution	272,576	BSF	\$3,134,624	\$0	\$3,134,624	\$0
		Terminal Units	272,576	BSF	\$1,908,032	\$0	\$1,908,032	\$0
	Electrical	Branch Circuits & Devices	272,576	BSF	\$1,090,304	\$0	\$872,243	\$0
		Fire Alarm	272,576	BSF	\$545,152	\$0	\$490,637	\$0
		Lighting	272,576	BSF	\$954,016	\$0	\$899,672	\$0
		Master Clock	272,576	BSF	\$204,432	\$0	\$204,432	\$0
		P.A. System	272,576	BSF	\$545,152	\$0	\$545,152	\$0
		Service & Distribution	272,576	BSF	\$817,728	\$0	\$163,546	\$0
	Estimated Budget Per Phase				\$38,146,894	\$40,000	\$22,798,696	\$430,670
Total Estimated Budget (0-25 yrs)							\$23,269,366	

(1) VALVE PIT

**Table 43
Component Replacement Schedule
Malberg Alternative High School & Administrative Complex**

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$0	\$0	
	Drainage	NA	EA	\$0	\$0	\$0	\$0	
	Playgrounds	0	Sets	\$0	\$0	\$0	\$0	
	Paving	41,236	BSF	\$104,327	\$0	\$104,327	\$0	
	Walks & Curbs	41,236	BSF	\$78,348	\$0	\$78,348	\$0	
Exterior Envelope	Exterior Doors	28	Leaf	\$140,000	\$0	\$126,000	\$0	
	Roofing	41,236	RSF	\$907,192	\$0	\$907,192	\$0	
	Walls (2)	17,011	WASF	\$1,360,880	\$5,000	\$85,055	\$0	
	Windows	1,707	WSF	\$102,420	\$0	\$0	\$0	
Building Structure	Roof Decks	41,236	RSF	\$288,652	\$0	\$57,730	\$0	
Interior & Finishes	Casework	41,236	BSF	\$260,199	\$0	\$52,040	\$0	
	Ceilings	41,236	BSF	\$123,708	\$24,742	\$98,966	\$0	
	Flooring	41,236	BSF	\$309,270	\$0	\$154,635	\$154,635	
	Interior Doors	95	Leaf	\$190,000	\$0	\$95,000	\$0	
	Painting	41,236	BSF	\$65,153	\$0	\$65,153	\$65,153	
Equipment, Specialties and Conveyance Systems	Student Lockers	0	EA	\$0	\$0	\$0	\$0	
	Bleachers	NA	EA	\$0	\$0	\$0	\$0	
	Elevator	NA	EA	\$0	\$0	\$0	\$0	
	Kitchen	274	SF	\$68,500	\$0	\$0	\$0	
	Window Treatment	1,707	WSF	\$10,771	\$0	\$0	\$0	
	Toilet Room Specialties	41,236	BSF	\$26,391	\$0	\$0	\$0	
	Visual Display Boards	8	CLR	\$16,000	\$0	\$16,000	\$0	
Central Systems	Plumbing	Domestic Water System (1)	41,236	BSF	\$216,077	\$2,000	\$43,215	\$0
		Fire Protection	41,236	BSF	\$123,708	\$0	\$0	\$0
		Fixtures	40	FIX	\$100,000	\$0	\$0	\$0
		Water Service	41,236	BSF	\$26,391	\$0	\$26,391	\$0
	Heating & Ventilating	Central Plant	41,236	BSF	\$288,652	\$0	\$288,652	\$0
		Controls	41,236	BSF	\$185,562	\$0	\$185,562	\$0
		Distribution	41,236	BSF	\$474,214	\$0	\$474,214	\$0
		Terminal Units	41,236	BSF	\$288,652	\$0	\$288,652	\$0
	Electrical	Branch Circuits & Devices	41,236	BSF	\$164,944	\$0	\$32,989	\$0
		Fire Alarm	41,236	BSF	\$82,472	\$0	\$8,247	\$0
		Lighting	41,236	BSF	\$144,326	\$0	\$72,163	\$0
		Master Clock	41,236	BSF	\$30,927	\$0	\$0	\$0
		P.A. System	41,236	BSF	\$82,472	\$0	\$0	\$0
Service & Distribution	41,236	BSF	\$123,708	\$0	\$24,742	\$0		
Estimated Budget Per Phase				\$6,383,916	\$31,742	\$3,285,274	\$219,788	
Total Estimated Budget (0-25 yrs)							\$3,536,803	

(1) MAIN SHUT OFF VALVE
(2) POWER WASH FRONT OF BUILDING

Table 44
Component Replacement Schedule
Old Sharp School

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$0	\$0	
	Drainage	NA	EA	\$0	\$0	\$0	\$0	
	Playgrounds	0	Sets	\$0	\$0	\$0	\$0	
	Paving	11,224	BSF	\$28,397	\$0	\$28,397	\$0	
	Walks & Curbs	11,224	BSF	\$21,326	\$0	\$21,326	\$0	
Exterior Envelope	Exterior Doors	6	Leaf	\$30,000	\$0	\$30,000	\$0	
	Roofing	5,612	RSF	\$123,464	\$0	\$0	\$123,464	
	Walls	5,952	WASF	\$476,160	\$0	\$59,520	\$0	
	Windows	1,354	WSF	\$81,240	\$0	\$81,240	\$0	
Building Structure	Roof Decks	5,612	RSF	\$39,284	\$0	\$0	\$7,857	
Interior & Finishes	Casework	11,224	BSF	\$70,823	\$0	\$0	\$0	
	Ceilings	11,224	BSF	\$33,672	\$0	\$33,672	\$0	
	Flooring	11,224	BSF	\$84,180	\$0	\$84,180	\$0	
	Interior Doors	21	Leaf	\$42,000	\$0	\$42,000	\$0	
	Painting	11,224	BSF	\$17,734	\$0	\$17,734	\$17,734	
Equipment, Specialties and Conveyance Systems	Student Lockers	0	EA	\$0	\$0	\$0	\$0	
	Bleachers	NA	EA	\$0	\$0	\$0	\$0	
	Elevator	NA	EA	\$0	\$0	\$0	\$0	
	Kitchen	0	SF	\$0	\$0	\$0	\$0	
	Window Treatment	1,354	WSF	\$8,544	\$0	\$8,544	\$0	
	Toilet Room Specialties	11,224	BSF	\$7,183	\$0	\$7,183	\$0	
	Visual Display Boards	0	CLR	\$0	\$0	\$0	\$0	
Central Systems	Plumbing	Domestic Water System	11,224	BSF	\$58,814	\$0	\$58,814	\$0
		Fire Protection	11,224	BSF	\$33,672	\$0	\$33,672	\$0
		Fixtures	17	FIX	\$42,500	\$0	\$42,500	\$0
		Water Service	11,224	BSF	\$7,183	\$0	\$7,183	\$0
	Heating & Ventilating	Central Plant	11,224	BSF	\$78,568	\$0	\$78,568	\$0
		Controls	11,224	BSF	\$50,508	\$0	\$50,508	\$0
		Distribution	11,224	BSF	\$129,076	\$0	\$129,076	\$0
		Terminal Units	11,224	BSF	\$78,568	\$0	\$78,568	\$0
	Electrical	Branch Circuits & Devices	11,224	BSF	\$44,896	\$0	\$44,896	\$0
		Fire Alarm	11,224	BSF	\$22,448	\$0	\$22,448	\$0
		Lighting	11,224	BSF	\$39,284	\$0	\$39,284	\$0
		Master Clock	11,224	BSF	\$8,418	\$0	\$0	\$0
		P.A. System	11,224	BSF	\$22,448	\$0	\$0	\$0
		Service & Distribution	11,224	BSF	\$33,672	\$0	\$33,672	\$0
Estimated Budget Per Phase				\$1,714,062	\$0	\$1,032,984	\$149,055	
Total Estimated Budget (0-25 yrs)							\$1,182,039	

Table 45
Component Replacement Schedule
Old Sharp Maintenance Garage

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$0	\$0	
	Drainage	NA	EA	\$0	\$0	\$0	\$0	
	Playgrounds	0	Sets	\$0	\$0	\$0	\$0	
	Paving	5,579	BSF	\$14,115	\$0	\$14,115	\$0	
	Walks & Curbs	5,579	BSF	\$10,600	\$0	\$10,600	\$0	
Exterior Envelope	Exterior Doors	3	Leaf	\$15,000	\$0	\$15,000	\$0	
	Roofing	5,579	RSF	\$122,738	\$122,738	\$0	\$0	
	Walls	3,808	WASF	\$304,640	\$0	\$38,080	\$0	
	Windows	113	WSF	\$6,780	\$0	\$6,780	\$0	
Building Structure	Roof Decks	5,579	RSF	\$39,053	\$0	\$0	\$0	
Interior & Finishes	Casework	5,579	BSF	\$35,203	\$17,602	\$0	\$0	
	Ceilings	5,579	BSF	\$16,737	\$0	\$0	\$0	
	Flooring	5,579	BSF	\$41,843	\$0	\$0	\$0	
	Interior Doors		Leaf	\$0	\$0	\$0	\$0	
	Painting	5,579	BSF	\$8,815	\$0	\$8,815	\$8,815	
Equipment, Specialties and Conveyance Systems	Student Lockers	0	EA	\$0	\$0	\$0	\$0	
	Bleachers	NA	EA	\$0	\$0	\$0	\$0	
	Elevator	NA	EA	\$0	\$0	\$0	\$0	
	Kitchen	0	SF	\$0	\$0	\$0	\$0	
	Window Treatment	113	WSF	\$713	\$0	\$0	\$0	
	Toilet Room Specialties	5,579	BSF	\$3,571	\$0	\$0	\$0	
	Visual Display Boards	0	CLR	\$0	\$0	\$0	\$0	
Central Systems	Plumbing	Domestic Water System	5,579	BSF	\$29,234	\$0	\$0	\$0
		Fire Protection	5,579	BSF	\$16,737	\$0	\$0	\$0
		Fixtures		FIX	\$0	\$0	\$0	\$0
		Water Service	5,579	BSF	\$3,571	\$0	\$0	\$0
	Heating & Ventilating	Central Plant	5,579	BSF	\$39,053	\$0	\$0	\$0
		Controls	5,579	BSF	\$25,106	\$0	\$0	\$0
		Distribution	5,579	BSF	\$64,159	\$0	\$0	\$0
		Terminal Units	5,579	BSF	\$39,053	\$0	\$0	\$0
	Electrical	Branch Circuits & Devices	5,579	BSF	\$22,316	\$0	\$22,316	\$0
		Fire Alarm	5,579	BSF	\$11,158	\$0	\$11,158	\$0
		Lighting	5,579	BSF	\$19,527	\$0	\$19,527	\$0
		Master Clock	5,579	BSF	\$4,184	\$0	\$0	\$0
		P.A. System	5,579	BSF	\$11,158	\$0	\$0	\$0
		Service & Distribution	5,579	BSF	\$16,737	\$0	\$16,737	\$0
Estimated Budget Per Phase				\$921,799	\$140,340	\$163,127	\$8,815	
Total Estimated Budget (0-25 yrs)							\$312,282	

Table 46
Component Replacement Schedule
Old Sharp Warehouse

Work Item		Building Total		Replacement Cost	Immediate (0-2yrs)	Short Term (0-10yrs)	Long Term (11-25yrs)	
Site	Athletic Fields	NA	EA	\$0	\$0	\$0	\$0	
	Drainage	NA	EA	\$0	\$0	\$0	\$0	
	Playgrounds	0	Sets	\$0	\$0	\$0	\$0	
	Paving	11,250	BSF	\$28,463	\$0	\$28,463	\$0	
	Walks & Curbs	11,250	BSF	\$21,375	\$0	\$0	\$0	
Exterior Envelope	Exterior Doors	5	Leaf	\$25,000	\$0	\$0	\$0	
	Roofing	11,250	RSF	\$247,500	\$0	\$0	\$0	
	Walls	8,664	WASF	\$693,120	\$0	\$0	\$0	
	Windows	72	WSF	\$4,320	\$0	\$0	\$0	
Building Structure	Roof Decks	11,250	RSF	\$78,750	\$0	\$0	\$0	
Interior & Finishes	Casework	11,250	BSF	\$70,988	\$0	\$0	\$0	
	Ceilings	11,250	BSF	\$33,750	\$0	\$0	\$0	
	Flooring	11,250	BSF	\$84,375	\$0	\$0	\$0	
	Interior Doors	7	Leaf	\$14,000	\$0	\$0	\$0	
	Painting	11,250	BSF	\$17,775	\$0	\$17,775	\$17,775	
Equipment, Specialties and Conveyance Systems	Student Lockers	0	EA	\$0	\$0	\$0	\$0	
	Bleachers	NA	EA	\$0	\$0	\$0	\$0	
	Elevator	NA	EA	\$0	\$0	\$0	\$0	
	Kitchen	0	SF	\$0	\$0	\$0	\$0	
	Window Treatment	72	WSF	\$454	\$0	\$0	\$0	
	Toilet Room Specialties	11,250	BSF	\$7,200	\$0	\$0	\$0	
	Visual Display Boards	0	CLR	\$0	\$0	\$0	\$0	
Central Systems	Plumbing	Domestic Water System	11,250	BSF	\$58,950	\$0	\$0	\$0
		Fire Protection	11,250	BSF	\$33,750	\$0	\$0	\$0
		Fixtures	2	FIX	\$5,000	\$0	\$0	\$5,000
		Water Service	11,250	BSF	\$7,200	\$0	\$0	\$0
	Heating & Ventilating	Central Plant	11,250	BSF	\$78,750	\$0	\$0	\$0
		Controls	11,250	BSF	\$50,625	\$0	\$0	\$0
		Distribution	11,250	BSF	\$129,375	\$0	\$0	\$0
		Terminal Units	11,250	BSF	\$78,750	\$0	\$0	\$0
	Electrical	Branch Circuits & Devices	11,250	BSF	\$45,000	\$0	\$0	\$0
		Fire Alarm	11,250	BSF	\$22,500	\$0	\$0	\$0
		Lighting	11,250	BSF	\$39,375	\$0	\$0	\$0
		Master Clock	11,250	BSF	\$8,438	\$0	\$0	\$0
		P.A. System	11,250	BSF	\$22,500	\$0	\$0	\$0
		Service & Distribution	11,250	BSF	\$33,750	\$0	\$0	\$0
Estimated Budget Per Phase				\$1,941,032	\$0	\$46,238	\$22,775	
Total Estimated Budget (0-25 yrs)							\$69,013	

Table 47
Life Extension Assessment Cost Summary
District Wide

School Name and Classification	Immediate (0-2 yrs)	Short Term (0-10 yrs)	Long Term (11-25 yrs)	Facility Budget
Barclay School	\$26,000	\$3,914,529	\$78,870	\$4,019,399
Barton Elementary School	\$59,000	\$5,083,349	\$981,008	\$6,123,357
Cooper Elementary School	\$50,000	\$4,593,407	\$281,971	\$4,925,378
Harte Elementary School	\$156,371	\$4,297,233	\$868,180	\$5,321,784
Johnson Elementary School	\$107,064	\$4,433,944	\$166,117	\$4,707,125
Kilmer Elementary School	\$22,000	\$4,314,186	\$109,582	\$4,445,769
Kingston Elementary School	\$15,000	\$3,406,802	\$86,187	\$3,507,989
Knight Elementary School	\$7,000	\$3,229,324	\$67,842	\$3,304,166
Mann Elementary School	\$95,000	\$2,763,907	\$64,965	\$2,923,872
Paine Elementary School	\$331,661	\$3,585,844	\$81,948	\$3,999,452
Sharp Elementary School	\$305,073	\$4,296,864	\$70,206	\$4,672,142
Stockton Elementary School	\$17,660	\$4,191,344	\$86,355	\$4,295,359
Woodcrest Elementary School	\$15,000	\$2,759,992	\$84,032	\$2,859,024
Beck Middle School	\$307,825	\$7,484,334	\$1,027,734	\$8,819,894
Carusi Middle School	\$242,571	\$8,273,419	\$204,646	\$8,720,636
Rosa International Middle School	\$50,000	\$6,336,305	\$2,016,263	\$8,402,568
High School East	\$37,500	\$22,802,668	\$567,389	\$23,407,557
High School West	\$40,000	\$22,798,696	\$430,670	\$23,269,366
Malberg Alt. School	\$31,742	\$3,285,274	\$219,788	\$3,536,803
Old Sharp School	\$0	\$1,032,984	\$149,055	\$1,182,039
Old Sharp Maintenance Garage	\$140,340	\$163,127	\$8,815	\$312,282
Old Sharp Warehouse	\$0	\$46,238	\$22,775	\$69,013
Total District Budget	\$2,056,805	\$123,093,771	\$7,674,397	\$132,824,974

**Table 48
Roof Replacement Summary
District Wide**

Facility	Total Roof Area (S.F)	Roof Area (S.F.)	Cost	Type	Warranty	Manufacture	Year Installed	Waranty Expiration	Contractor	Funded Replacement Scheduled
Barclay	32,300	32,300		EPDM		Carlisle	1987		Auiffo	
Barton	50,043	41,023		EPDM		Firestone	1988	1988	Alper	
Original Building		1,273	\$15,016	Modified Bit.	15	Garland	1995	2010	Brown's	
1994 Addition		7,747		Modified Bit.	15	Garland	2000	2015	AF Callan	
1999 Addition										
Cooper	49,817	44,733	\$757,930	Modified Bit.	20	Garland	2006	2026	Patriot	
Original Bldg.		5,084		Modified Bit.	15	Garland	2000	2015	Brown & Guarino	
1999 Addition										
Bret Harte	34,747	29,556		Standing Seam		Armco	1989		Hamada	
Original Building		5,191		Modified Bit.	15	Garland	2000	2015	Brown & Guarino	
1999 Addition										
Johnson	51,550	40,996	\$874,313	Modified Bit.	20	Garland	2006	2026	Patriot	
Original Building		3,197	\$38,954	Modified Bit.	15	Garland	1995	2010	Brown's	
1994 Addition		7,357		Modified Bit.	15	Garland	2000	2015	AF Callan	
1999 Addition										
Kingston	43,973	43,973	\$247,381	Modified Bit.	15	Garland	1995	2010	Garden State	
Kilmer	55,942	47,317	\$337,650	Modified Bit.	15	Garland	1996	2011	US Roofing	
Original Building		8,625		Modified Bit.	15	Garland	2000	2015	AF Callan	
1999 Addition										
Knight	32,091	23,053	\$505,444	Modified Bit.	20	Garland	2006	2026	Patriot	
Original Building		2,794	\$28,000	Modified Bit.	15	Garland	1995	2010	Brown's	
1994 Addition		6,244		Modified Bit.	15	Garland	2000	2015	AF Callan	
1999 Addition										
Mann	41,117	30,722	\$258,200	Modified Bit.	15	Garland	1997	2012	AF Callan	
Original Building		5,126	\$51,801	Modified Bit.	15	Garland	1995	2010	Brown's	
1994 Addition		5,269		Modified Bit.	15	Garland	2000	2015	AF Callan	
1999 Addition										
Paine	51,866	42,863	\$320,000	Modified Bit.	15	Garland	1993	2008	Keystone	
Original Building		4,563	\$43,000	Modified Bit.	15	Garland	1995	2010		
1994 Addition		4,440		Modified Bit.	15	Garland	2000	2015	Brown & Guarino	
1999 Addition										
Sharp	33,215	18,480	\$384,890	Modified Bit.	20	Garland	2006	2026	Patriot	
Original Building		2,885		Modified Bit.	15	Garland	2000	2015	Brown & Guarino	
1999 Addition		11,850	\$220,445	Modified Bit.	15	Garland	2004	2019	D.A. Nolt	
2nd Floor & Front Canopy										
Stockton	45,126	20,996	\$174,356	Modified Bit.	15	Garland	1997	2012	Duross	
Original Building		3,798	\$40,461	Modified Bit.	15	Garland	1995	2010	Brown's	
1994 Addition		9,529		Derbigum		OCF	1988		Alper	
APR		10,890	\$69,695	APP Membrane	2	Garland	2006	2008	Patriot	
Kindergarten Wing		9,442		Modified Bit.	15	Garland	2000	2015	Brown & Guarino	
1999 Addition										
Woodcrest	53,185	33,266	\$278,348	Modified Bit.	15	Garland	1995	2010	Jottan	
Original Building		19,919		Modified Bit.	15	Garland	2000	2015	AF Callan	
1999 Addition										

Beck Middle School	119,504										
Original Building		107,028	\$985,000	Modified Bit.	15	Garland	1992	2007	US Roofing		
Science Wing		12,476	\$111,000	Modified Bit.	15	Garland	1999	2014	BOGGI Roofing		
Carusi Middle School	123,165										
Phase I		53,000	\$516,000	Modified Bit.	15	Garland	1998	2013	USA General		
Phase II		40,335	\$647,500	Modified Bit.	15	Garland	1997	2012	USA General		
Science Wing		4,749		Modified Bit.	15	Garland	1994	2009			
Gymnasium		9,072	\$189,101	Modified Bit.	15	Garland	2000	2015	Knight		
1999 Addition		16,009	\$87,000	Modified Bit.	15	Garland	2000	2015	SRS Roofing		
Rosa Middle School	69,645										
A & B Wings		24,000	\$200,000	Standing Seam	20	ARMCO	1992	2012	ACC		
C Wing		41,974		Derbigum		OCF	1986		Alper		04/05 L-P
IMC Addition		3,671	\$56,000	Modified Bit.	15	Garland	1999	2014			
High School East	259,694										
"A" Wing		17,088	\$209,670	Modified Bit.	15	Garland	1999	2014	Knight		
"B" Wing		21,070	\$379,334	Modified Bit.	15	Garland	2006	2021	Patriot		
"C" Wing		25,798	\$464,454	Modified Bit.	15	Garland	2006	2021	Patriot		
"D" Wing		3,204	\$39,313	Modified Bit.		Garland	1999		Knight		
Auditorium		14,731	\$207,647	EPDM	20	Firestone	2001	2021	McMullin		
"E" Wing		36,693	\$450,223	Modified Bit.	15	Garland	1999	2014	Knight		
"E" Wing High (Cafe)		22,754	\$325,297	Modified Bit.	15	Garland	2004	2019	D.A. Nolt		
"F" Wing		54,961	\$268,738	Modified Bit.	15	Garland	1993	2008	McAllister		
Girls Gym		16,285	\$94,384	Modified Bit.	15	Garland	1991	2006	McAllister		
Boys Gym		18,980	\$232,885	Modified Bit.	15	Garland	1999	2014	Knight		
Music Wing		12,565		GRM/slag		Grace	1983		A. F. Callen		
IMC		13,365	\$302,494	Modified Bit.	15	Garland	2004	2019	D.A. Nolt		
Canopies		2,200	\$248,775	Metal Panel			2004		D.A. Nolt		
High School West	204,375										
"A" Wing		22,317	\$234,998	Modified Bit.	15	Garland	1999	2014	Jottan		
Guidance & "B" Wing		18,708	\$196,995	Modified Bit.	15	Garland	1999	2014	Jottan		
"C" Wing		6,412	\$67,582	Modified Bit.	15	Garland	1999	2014	Jottan		
"D" Wing		12,000		EPDM	10	Carlisle	1981	1991	US Roofing		
"E" Wing		14,080		EPDM		Firestone	1987		Quality		
"F" Wing		10,575		EPDM		Carlisle	1986		Alper		
"H" Wing		13,279					1995				
Gym & Old Auditorium		23,662	\$249,397	Modified Bit.	15	Garland	1999	2014	Jottan		
Cafeteria		19,550	\$206,057	Modified Bit.	15	Garland	1999	2014	Jottan		
IMC		7,495	\$78,997	Modified Bit.	15	Garland	1999	2014	Jottan		
Connecting Links		4,137									
Jones Gym		26,460		Modified Bit.	15	Garland	1989	2004	Jottan		
2002 Auditorium		25,700		EPDM	20	Firestone	2002	2022	O'Leary		
Malberg Alt. HS/ Admin.	41,236										
		41,236		EPDM		Firestone	1987		Alper		04/05 L-P
Old Sharp School	5,612										
(Transportation)		5,612		Shingle Roof		GAF	1996				
Old Sharp Garage	5,579										
		5,579		Modified Bit.	15	Garland	2002	2017	Patriot		
Old Sharp Warehouse	11,250										
		11,250		Metal			1999		Poretta		

Table 49
List of Completed Projects
District Wide

Proj Number	Site Name	Job Description	Start of Construction	Date of Completion	Construction Cost		
90-21	High School East	Renovations-Track	3/8/1990	8/13/1990	\$42,400		
90-29	Paine Elementary School	Renovations-Roof Replacement	6/21/1990	8/31/1990	\$330,445		
90-30	Markkress Maintenance Building	Renovations-Roof Replacement	1/1/1990	1/1/1990	\$73,746		
90-31	High School East	Repair-Wall-C Wing	6/27/1990	8/31/1990	\$95,610		
90-32	Heritage School	Renovations-Roof Replacement	6/27/1990	8/31/1990	\$199,846		
90-33	Barclay Childhood Center	Alterations-Site Work-Concrete	6/27/1990	8/31/1990	\$21,868		
90-36	Cherry Hill Fueling Facility	Alterations-Facility	6/27/1990	10/1/1990	\$190,400		
90-40	High School East	Alterations-HVAC-Photo Lab	1/11/1990	2/28/1990	\$16,800		
90-42	Sharp Elementary School	Renovations-Burner	6/27/1991	8/30/1991	\$42,920		
90-59	High School East	Renovations-Tennis Court	1/1/1991	1/1/1991	\$0*		*
91-21A	Various Schools	Alterations-Site work-Paving	6/20/1991	8/31/1991	\$143,002		
91-21B	Various Schools	Alterations-Site work-Concrete	6/20/1991	8/31/1991	\$47,549		
91-21C	High School East	Renovations-Roof Replacement	6/20/1991	8/31/1991	\$97,773		
91-21DD	High School West	Renovations-Gymnasium floor	4/10/1991	1/1/1991	\$320,100		
91-21F	Carusi Middle School	Renovations-Ceiling Replacement	6/20/1991	8/31/1991	\$59,000		
91-21H	High School West	Renovations-HVAC units	6/20/1991	8/31/1991	\$23,240		
91-21I	High School East	Renovations-Cooling Tower	6/20/1991	8/31/1991	\$16,000		
91-21J	High School East	Renovations-Domestic Water Services	6/20/1991	8/31/1991	\$9,800		
91-21K	High School East	Repair-Wall	6/11/1991	8/22/1991	\$46,000		
91-21M	High School East	Renovations-Burner	6/20/1991	8/31/1991	\$116,400		
91-21N	Stockton Elementary School	Renovations-Burner	6/20/1991	8/31/1991	\$51,965		
91-21O	Kingston Elementary School	New-Canopy	6/20/1991	8/31/1991	\$21,000		
91-47	High School East	Renovations-Chiller replacement	7/17/1992	3/31/1992	\$513,044		
91-50	Heritage Admin Building	Renovations-Burner	4/30/1992	7/30/1992	\$86,564		
91-59	Beck Middle School	Renovations-Roof Replacement	6/24/1992	8/31/1992	\$1,120,812		
92-17	Knight Elementary School	Alterations-Site Work-Paving	6/8/1992	8/31/1992	\$27,275		
92-17	High School West	Alterations-Site Work-Paving	6/18/1992	8/31/1992	\$27,275		
92-23	Carusi Middle School	Alterations-Site Work-Concrete	6/18/1992	8/31/1992	\$38,185		
92-27	High School West	Renovations-Burner Conversion & Curtain Wall Replacement	8/11/1992	9/18/1992	\$8,573		
92-28	Beck Middle School	Renovations-Burner	7/8/1993	8/15/1993	\$162,700		
92-33A	Burling Elementary School	Renovations-Roof Replacement	7/1/1992	3/2/1993	\$9,707		
92-34	Mann Elementary School	Renovations-Burner	7/2/1992	9/30/1992	\$52,565		
92-34	Barton Elementary School	Renovations-Burner	7/24/1992	9/30/1992	\$55,065		
92-45	Barclay Childhood Center	Renovations-Burner	2/7/1994	9/1/1994	\$99,600		
92-60	Kilmer Elementary School	Renovations-Burner	2/7/1994	9/1/1994	\$61,000		
92-61	Cooper Elementary School	Renovations-Burner	7/8/1993	8/15/1993	\$66,300		
92-62	Bret Harte Elementary School	Renovations-Burner	8/1/1993	10/1/1993	\$100,920		
92-63	Johnson Elementary School	Renovations-Burner	7/8/1993	8/15/1993	\$64,800		
92-64	Kingston Elementary School	Renovations-Burner	2/7/1994	9/1/1994	\$95,600		
92-65	Paine Elementary School	Renovations-Burner	8/1/1993	10/1/1993	\$60,430		
92-66	High School West	Renovations-Burner	7/8/1993	8/15/1993	\$135,853		
92-67	Malberg High School	Renovations-Burner	2/7/1994	9/1/1994	\$65,400		
92-70	High School East	Renovations-Roof Replacement	5/31/1993	3/31/1994	\$268,738		

92-63	Johnson Elementary School	Renovations-Burner	7/8/1993	8/15/1993	\$64,800		
92-64	Kingston Elementary School	Renovations-Burner	2/7/1994	9/1/1994	\$95,600		
92-65	Paine Elementary School	Renovations-Burner	8/1/1993	10/1/1993	\$60,430		
92-66	High School West	Renovations-Burner	7/8/1993	8/15/1993	\$135,853		
92-67	Malberg High School	Renovations-Burner	2/7/1994	9/1/1994	\$65,400		
92-70	High School East	Renovations-Roof Replacement	5/31/1993	3/31/1994	\$268,738		
92-71	Kilmer Elementary School	Renovations-Roof Replacement	5/2/1992	7/5/1992	\$337,650		
93-05A	High School West	Renovations-Guidance Suite	6/22/1993	8/15/1992	\$199,421		
93-05B	High School West	Addition-Science Lab	6/1/1994	12/1/1994	\$1,608,495		
93-09	Stockton Elementary School	Addition-School-Elem	6/1/1994	12/1/1994	\$403,719		
93-09	Knight Elementary School	Addition-School-Elem	6/1/1994	12/1/1994	\$335,089		
93-09	Mann Elementary School	Addition-School-Elem	6/1/1994	12/1/1994	\$536,031		
93-09	Paine Elementary School	Addition-School-Elem	6/1/1994	12/1/1994	\$412,140		
93-09	Johnson Elementary School	Addition-School-Elem	6/1/1994	12/1/1994	\$382,067		
93-09	Barton Elementary School	Addition-School-Elem	6/1/1994	12/1/1994	\$193,568		
93-10	Carusi Middle School	Addition-Science Lab	6/1/1994	12/1/1994	\$645,484		
93-11	High School East	Alterations-Science Lab Ventilation	1/24/1994	9/25/1995	\$327,437		
93-12	High School East	Repair-Wall-Phase II	1/27/1994	1/30/1995	\$238,105		
94-01	Carusi Middle School	Renovations-Roof Replacement-Phase I	5/15/1997	8/22/1997	\$647,500		
94-10	Johnson, Harte, Kingston, Paine, Barton, Heritage	Alterations-Site Work-Paving	8/1/1994	9/1/1994	\$164,022		
95-12	Kingston Elementary School	Renovations-Roof Replacement	6/20/1995	8/31/1995	\$247,381		
95-13	Woodcrest Elementary School	Renovations-Roof Replacement	6/20/1995	8/31/1995	\$278,350		
95-33	Stockton Elementary School	Renovations-Roof Replacement	5/1/1996	8/23/1996	\$174,356		
96-07	Mann Elementary School	Renovations-Roof Replacement	5/1/1996	8/23/1996	\$261,770		
96-09	Kilmer Elementary School	Renovations-Roof Replacement	5/1/1996	8/23/1996	\$354,496		
96-80	High School West	Addition-Elevator	7/1/1998	9/4/1998	\$603,600		
97-35	Kingston Elementary School	Renovations-Domestic Water Services	7/2/1998	8/21/1998	\$144,600		
97-36	High School West	Alterations-Site Work-Paving	7/1/1997	8/29/1997	\$58,460		
98-05	Carusi Middle School	Renovations-Roof Replacement-Phase II	4/21/1998	9/23/1998	\$516,000		
98-06	Rosa Int'l Middle School	Alterations-School-Middle-Phase I	7/2/1998	9/1/1998	\$216,000		
98-17	Kilmer Elementary School	Repair-Wall	7/2/1998	9/1/1998	\$165,762		
98-20	Bret Harte Elementary School	Alterations-Site Work-Paving	7/1/1998	9/1/1998	\$187,923		
98-26	Old Sharp Warehouse	Additions & Alterations-Warehouse	5/1/1999	9/1/1998	\$574,713		
98-28	Rosa Int'l Middle School	Additions & Alterations-School-Middle-Phase II	6/9/1999	9/28/1999	\$3,919,901		
98-28W	Rosa Int'l Middle School	Renovations-Window Replacement	1/31/2003	1/31/2003	\$114,500		
98-48	High School East	Repair-Canopy	1/21/1999	3/22/1999	\$24,810		
99-05	Barclay Childhood Center	Alterations-Childhood Center	6/9/1999	9/1/1999	\$582,649		
99-05W	Barclay Childhood Center	Renovations-Window Replacement	11/9/2000	8/31/2001	\$225,300		
99-06	Barton Elementary School	Additions & Alterations-School-Elementary	2/1/2000	9/1/2000	\$1,019,186		
99-06W	Barton Elementary School	Renovations-Window Replacement	1/1/2000	1/1/2000	\$158,900		

99-05	Barclay Childhood Center	Alterations-Childhood Center	6/9/1999	9/1/1999	\$582,649		
99-05W	Barclay Childhood Center	Renovations-Window Replacement	11/9/2000	8/31/2001	\$225,300		
99-06	Barton Elementary School	Additions & Alterations-School-Elementary	2/1/2000	9/1/2000	\$1,019,186		
99-06W	Barton Elementary School	Renovations-Window Replacement	1/1/2000	1/1/2000	\$158,900		
99-07	Cooper Elementary School	Additions & Alterations-School-Elementary	3/23/2000	11/15/2000	\$791,373		
99-07W	Cooper Elementary School	Renovations-Window Replacement	11/9/2000	8/31/2001	\$107,000		
99-08	Bret Harte Elementary School	Additions & Alterations-School-Elementary	3/23/2000	11/15/2000	\$894,902		
99-08 (slab)	Bret Harte Elementary School	Slab Settlement	1/1/2000	1/1/2000	\$2,975,540		
99-08W	Bret Harte Elementary School	Renovations-Window Replacement	11/21/2000	8/31/2001	\$134,200		
99-09	Johnson Elementary School	Additions & Alterations-School-Elementary	3/23/2000	11/15/2000	\$1,001,911		
99-09W	Johnson Elementary School	Renovations-Window Replacement	11/9/2000	8/31/2001	\$148,000		
99-10	Kilmer Elementary School	Additions & Alterations-School-Elementary	3/23/2000	11/15/2000	\$1,127,552		
99-10W	Kilmer Elementary School	Renovations-Window Replacement	11/21/2000	8/31/2001	\$138,400		
99-11	Kingston Elementary School	Additions & Alterations-School-Elementary	8/7/2000	11/17/2000	\$101,000		
99-11E	Kingston Elementary School	Alterations-Electrical Work	8/3/2000	12/1/2000	\$81,435		
99-11W	Kingston Elementary School	Renovations-Window Replacement	6/22/2000	8/30/2000	\$271,530		
99-12	Knight Elementary School	Additions & Alterations-School-Elementary	3/23/2000	11/15/2000	\$925,466		
99-12V	Knight Elementary School	Alterations-Ventilation	6/22/2000	8/15/2000	\$43,763		
99-12W	Knight Elementary School	Renovations-Window Replacement	1/1/2000	1/1/2000	\$230,500		
99-13	Mann Elementary School	Additions & Alterations-School-Elementary	3/23/2000	11/15/2000	\$746,188		
99-13W	Mann Elementary School	Renovations-Window Replacement	6/22/2000	8/30/2000	\$187,663		
99-14	Paine Elementary School	Additions & Alterations-School-Elementary	3/23/2000	11/15/2000	\$731,783		
99-14W	Paine Elementary School	Renovations-Window Replacement	11/21/2000	8/31/2001	\$125,700		
99-15	Sharp Elementary School	Additions & Alterations-School-Elementary	3/23/2000	11/15/2000	\$487,445		
99-15V	Sharp Elementary School	Alterations-Ventilation	6/22/2000	8/15/2000	\$44,837		
99-15W	Sharp Elementary School	Renovations-Window Replacement	1/1/2000	1/1/2000	\$233,400		
99-16	Stockton Elementary School	Additions & Alterations-School-Elementary	3/23/2000	11/15/2000	\$1,312,864		
99-16W	Stockton Elementary School	Renovations-Window Replacement	11/21/2000	8/31/2001	\$79,900		
99-17	Woodcrest Elementary School	Additions & Alterations-School-Elementary	11/10/1999	8/1/2000	\$2,570,069		
99-17APS	Woodcrest Elementary School	Renovations-Auditorium-Stage	8/8/2000	9/7/2000	\$45,800		
99-17W	Woodcrest Elementary School	Renovations-Window Replacement	11/21/2000	8/31/2001	\$123,000		
99-18	Beck Middle School	Addition-Science Lab	7/14/1999	2/15/2000	\$1,899,119		
99-18W	Beck Middle School	Renovations-Window Replacement	11/21/2000	8/31/2000	\$122,600		
99-19	Carusi Middle School	Additions & Alterations	4/14/2000	11/27/2000	\$3,201,624		
99-19R	Carusi Middle School	Renovations-Roof Replacement-Gym	7/11/2000	9/8/2000	\$189,101		
99-19W	Carusi Middle School	Renovations-Window Replacement	11/9/2000	8/31/2001	\$422,000		
99-20	High School East	Alterations-Science Lab	8/8/2000	10/1/2001	\$2,314,334		
99-20R	High School East	Renovations-Roof Replacement	6/16/1999	9/10/1999	\$1,112,411		
99-20W	High School East	Renovations-Window Replacement	11/9/2000	8/31/2001	\$228,000		

99-18	Beck Middle School	Addition-Science Lab	7/14/1999	2/15/2000	\$1,899,119		
99-18W	Beck Middle School	Renovations-Window Replacement	11/21/2000	8/31/2000	\$122,600		
99-19	Carusi Middle School	Additions & Alterations	4/14/2000	11/27/2000	\$3,201,624		
99-19R	Carusi Middle School	Renovations-Roof Replacement-Gym	7/11/2000	9/8/2000	\$189,101		
99-19W	Carusi Middle School	Renovations-Window Replacement	11/9/2000	8/31/2001	\$422,000		
99-20	High School East	Alterations-Science Lab	8/8/2000	10/1/2001	\$2,314,334		
99-20R	High School East	Renovations-Roof Replacement	6/16/1999	9/10/1999	\$1,112,411		
99-20W	High School East	Renovations-Window Replacement	11/9/2000	8/31/2001	\$228,000		
99-20WA	High School East	Repair-Wall	6/29/2000	12/18/2000	\$2,662,880		
99-21E	High School West	Alterations-Electrical Work	7/18/2000	11/10/2000	\$134,500		
99-21P	High School West	Renovations-Domestic Water Services	5/11/2000	8/29/2000	\$326,600		
99-21R	High School West	Renovations-Roof Replacement	6/16/1999	9/10/1999	\$1,109,796		
99-21SL	High School West	Alterations-Science Lab	5/5/2000	10/1/2000	\$1,141,862		
99-21W	High School West	Renovations-Window Replacement	5/5/2000	11/30/2000	\$792,500		
99-22	Malberg High School	Alterations-Alternative HS-Admin	6/24/1999	7/21/1999	\$1,079,811		
99-28-004	High School East	Renovations-Roof Replacement	7/1/2001	9/1/2001	\$207,647		
99-28R	Kingston Elementary School	Renovations-Roof Replacement	8/5/1999	11/18/1999	\$117,838		
99-32	High School West	Repair-Bleachers	6/19/1999	6/30/1999	\$4,573		
99-51	Rosa Magnet Middle School	Alterations-Electrical Work	12/23/1999	1/25/2000	\$35,156		
200-09	Rosa Int'l Middle School	Alterations-School-Middle	8/9/2000	1/1/2000	\$348,565		
200-18 (99-11)	Kingston Elementary School	Alterations-Vestibule	8/7/2000	11/17/2000	\$101,000		
200-22	Carusi Middle School	Alterations-MD/Resource room	1/1/2000	1/1/2000	\$45,871		
CHPS-00006	District Wide	Alterations-Site Work-Paving	2/5/2004	7/13/2004	\$289,313		
CHPS-00007	District Wide	Alterations-Door Replacement	3/1/2004	1/19/2005	\$299,790		
CHPS-01006	Barclay Childhood Center	Renovations-Door Replacement	6/28/2006	6/28/2006	\$119,000	*	\$+
CHPS-0101 (200-15)	Barclay Childhood Center	Alterations-Air Conditioning-Auditorium	7/1/2001	8/31/2001	\$85,543		
CHPS-02001	Barton Elementary School	Alterations-Classroom	12/1/2002	3/22/2004	\$78,800		
CHPS-02004	Barton Elementary School	Alterations-Toilet Room	6/28/2006	6/28/2006	\$170,530	*	
CHPS-03004	Cooper Elementary School	Renovations-Roof Replacement	6/28/2006	6/28/2006	\$0	*	\$+
CHPS-03006	Cooper Elementary School	Alterations-Toilet Room	6/28/2006	6/28/2006	\$152,090	*	
CHPS-04004	Bret Harte Elementary School	Renovations-Door Replacement	6/28/2006	6/28/2006	\$0	*	\$+
CHPS-0402 (200-44)	Bret Harte Elementary School	Renovations-Elevator	7/1/2001	8/31/2001	\$157,700		
CHPS-05003	Johnson Elementary School	Renovations-Door Replacement	6/28/2006	6/28/2006	\$0	*	\$+
CHPS-05004	Johnson Elementary School	Renovations-Roof Replacement	6/28/2006	6/28/2006	\$0	*	\$+
CHPS-05005	Johnson Elementary School	Alterations-Toilet Room	6/28/2006	6/28/2006	\$182,930	*	
CHPS-06003	Kilmer Elementary School	Renovations-Door Replacement	6/28/2006	6/28/2006	\$0	*	\$+
CHPS-06004	Kilmer Elementary School	Renovations-Canopy Replacement	6/29/2006	6/29/2006	\$21,000	*	
CHPS-06005	Kilmer Elementary School	Alterations-Toilet Room	6/28/2006	6/28/2006	\$217,130	*	
CHPS-06006	Kilmer Elementary School	Alterations-Stage-ADA Ramp	6/28/2006	6/28/2006	\$302,100	*	\$+
CHPS-06007	Kilmer Elementary School	Renovations-Flooring-Classroom	6/28/2006	6/28/2006	\$365,200	*	\$+
CHPS-08005	Knight Elementary School	Renovations-Roof Replacement	6/28/2006	6/28/2006	\$0	*	\$+

CHPS-06004	Kilmer Elementary School	Renovations-Canopy Replacement	6/29/2006	6/29/2006	\$21,000	*	
CHPS-06005	Kilmer Elementary School	Alterations-Toilet Room	6/28/2006	6/28/2006	\$217,130	*	
CHPS-06006	Kilmer Elementary School	Alterations-Stage-ADA Ramp	6/28/2006	6/28/2006	\$302,100	*	\$+
CHPS-06007	Kilmer Elementary School	Renovations-Flooring-Classroom	6/28/2006	6/28/2006	\$365,200	*	\$+
CHPS-08005	Knight Elementary School	Renovations-Roof Replacement	6/28/2006	6/28/2006	\$0	*	\$+
CHPS-08006	Knight Elementary School	Alterations-Toilet Room	6/28/2006	6/28/2006	\$136,530	*	
CHPS-09002	Mann Elementary School	Renovations-Door Replacement	6/28/2006	6/28/2006	\$0	*	\$+
CHPS-09003	Mann Elementary School	Alterations-Site Work-Drainage	11/1/2005	11/1/2005	\$25,000	*	
CHPS-09004	Mann Elementary School	Alterations-Toilet Room	6/28/2006	6/28/2006	\$170,830	*	
CHPS-10003	Paine Elementary School	Alterations-Stage-ADA Ramp	6/28/2006	6/28/2006	\$0	*	\$+
CHPS-11005	Sharp Elementary School	Renovations-Roof Replacement	6/17/2004	6/17/2004	\$220,455	*	
CHPS-11006	Sharp Elementary School	Renovations-Door Replacement	6/28/2006	6/28/2006	\$0	*	\$+
CHPS-11007	Sharp Elementary School	Renovations-Roof Replacement	6/28/2006	6/28/2006	\$0	*	\$+
CHPS-11008	Sharp Elementary School	Renovations-Toilet Room	6/28/2006	6/28/2006	\$158,530	*	
CHPS-12004	Stockton Elementary School	Alterations-Site Work-Drainage	9/23/2005	9/23/2005	\$16,540	*	
CHPS-12005	Stockton Elementary School	Alterations-Toilet Room	6/28/2006	6/28/2006	\$154,530	*	
CHPS-12006	Stockton Elementary School	Renovations-Roof Replacement	6/28/2006	6/28/2006	\$0	*	\$+
CHPS-13006	Woodcrest Elementary School	Alterations-Toilet Room	6/28/2006	6/28/2006	\$160,890	*	
CHPS-13007	Woodcrest Elementary School	Renovations-Floor	6/28/2006	6/28/2006	\$0	*	\$+
CHPS-1302/01	Woodcrest Elementary School	New-Canopy	8/6/2001	9/3/2001	\$58,700		
CHPS-14004	Beck Middle School	Alterations-Gym Lighting	1/1/2004	9/15/2004	\$26,948		
CHPS-14005	Beck Middle School	Alterations-Classroom	12/1/2002	3/22/2004	\$74,200		
CHPS-14007	Beck Middle School	Renovations-Toilet Room	9/24/2004	9/24/2004	\$119,931	*	
CHPS-14009	Beck Middle School	Alterations-Site Work	9/23/2005	9/23/2005	\$38,900	*	
CHPS-1401	Beck Middle School	Renovations-Toilet Room	11/22/2002	11/22/2002	\$152,600		
CHPS-14011	Beck Middle School	Renovations-Curtain Wall	6/28/2006	6/28/2006	\$0	*	\$+
CHPS-1402	Beck Middle School	Renovations-Science Lab	8/1/2001	9/3/2001	\$41,500		
CHPS-15005	Carusi Middle School	Renovations-Gymnasium Lighting	6/28/2006	6/28/2006	\$899,000	*	\$+
CHPS-15006	Carusi Middle School	Renovations-Curtain Wall	6/28/2006	6/28/2006	\$0	*	\$+
CHPS-15007	Carusi Middle School	Alterations-Toilet Room	6/28/2006	6/28/2006	\$489,190	*	
CHPS-15009	Carusi Middle School	Renovations-Door Replacement	6/28/2006	6/28/2006	\$0	*	\$+
CHPS-16007	Rosa Int'l Middle School	Renovations-Gymnasium Lighting	6/28/2006	6/28/2006	\$0	*	\$+
CHPS-17004	High School East	Alterations-Science Lab	12/9/2003	6/11/2004	\$45,170		
CHPS-17009	High School East	Athletic Fields	4/28/2003	4/28/2003	\$139,000		
CHPS-17011	High School East	Alterations-Toilet Room	7/21/2003	7/21/2003	\$341,670	*	
CHPS-17013 (CHPS-17015)	High School East	Renovations-Roof Replacement	6/17/2004	6/17/2004	\$855,177	*	
CHPS-17017	High School East	Alterations-Site Work-Athletic Fields	11/5/2004	11/5/2004	\$526,998	*	
CHPS-17019	High School East	Alterations-Toilet Room	5/22/2006	5/22/2006	\$1,947,631	*	
CHPS-17023	High School East	Renovations-Roof Replacement	6/3/2005	6/3/2005	\$843,787	*	
CHPS-17025	High School East	Renovations-Flooring	6/28/2006	6/28/2006	\$140,000	*	
CHPS-1801	High School West	Addition-Auditorium	8/16/2001	10/31/2002	\$6,028,815		
CHPS-18011	High School West	Alterations-Site Work-Athletic Field Grading & Drainage	4/14/2004	4/14/2004	\$367,035	*	
CHPS-18012	High School West	Renovations-Bleacher Replacement	3/22/2004	3/22/2004	\$97,750	*	
CHPS-18013	High School West	Alterations-Toilet Room	4/18/2005	4/18/2005	\$138,599	*	
CHPS-18014	High School West	Renovations-Gymnasium Lighting	7/13/2005	7/13/2005	\$48,000	*	
CHPS-18015	High School West	Renovations-Fire Alarm/Master Clock Replacement	6/28/2006	6/28/2006	\$0	*	\$+
CHPS-18016	High School West	Alterations-Toilet Room-Lift Station	6/28/2006	6/28/2006	\$922,820	*	

CHPS-18011	High School West	Alterations-Site Work-Athletic Field Grading & Drainage	4/14/2004	4/14/2004	\$367,035	*	
CHPS-18012	High School West	Renovations-Bleacher Replacement	3/22/2004	3/22/2004	\$97,750	*	
CHPS-18013	High School West	Alterations-Toilet Room	4/18/2005	4/18/2005	\$138,599	*	
CHPS-18014	High School West	Renovations-Gymnasium Lighting	7/13/2005	7/13/2005	\$48,000	*	
CHPS-18015	High School West	Renovations-Fire Alarm/Master Clock Replacement	6/28/2006	6/28/2006	\$0	*	\$+
CHPS-18016	High School West	Alterations-Toilet Room-Lift Station	6/28/2006	6/28/2006	\$922,820	*	
CHPS-18018	High School West	Renovations-MD Classroom	6/28/2006	6/28/2006	\$0	*	\$+
CHPS-1802	High School West	Renovations-Toilet Room	7/21/2001	8/31/2001	\$51,700		
CHPS-1803	High School West	Additions & Alterations-Connecting Link	7/21/2001	11/30/2001	\$311,165		
CHPS-23001	High School West Stadium	Alterations-Stadium	3/30/2004	3/30/2004	\$315,150		
CHPS-23004	High School West Stadium	Alterations-Site Work-All-Weather Track	4/22/2005	4/22/2005	\$574,000	*	
TOTAL					\$73,684,534		

* Contract amount - project still under construction, as of July 2006

\$+ Projects bid in multi-Project contract - cost is included with other Projects

Table 50
Escalated Project Costs in Present Worth
District Wide

	Construction Cost Per Year	Present Worth Construction Cost Per Year
1990	\$ 971,115.00	\$ 1,496,325.12
1991	\$ 994,749.00	\$ 1,471,522.19
1992	\$ 2,276,715.25	\$ 3,271,142.60
1993	\$ 1,059,162.00	\$ 1,477,213.39
1994	\$ 5,567,757.32	\$ 7,575,180.03
1995	\$ 525,731.00	\$ 695,411.38
1996	\$ 790,622.00	\$ 1,014,919.13
1997	\$ 705,960.00	\$ 885,771.64
1998	\$ 1,833,885.00	\$ 2,266,854.14
1999	\$ 13,030,847.35	\$ 15,756,768.26
2000	\$ 26,525,976.49	\$ 31,024,533.91
2001	\$ 6,942,769.85	\$ 7,898,486.75
2002	\$ 305,600.00	\$ 342,217.25
2003	\$ 640,340.00	\$ 701,358.16
2004	\$ 3,118,546.90	\$ 3,328,225.08
2005	\$ 1,684,826.00	\$ 1,738,726.52
2006	\$ 6,709,931.00	\$ 6,709,931.00
	\$ 73,684,534.16	\$ 161,339,120.69

Table 51
Site Descriptions & Aerial Maps
District Wide

School Name	Street Address	Zip Code	Block	Lot	Acreage	Appendix A	
Barclay Early Childhood Center	1220 Winston Way	08034	435.02	35	11.00	A-1	
Barton Elementary School	223 Rhode Island Avenue	08002	340.24	1	11.56	A-2	
Cooper Elementary School	1960 Greentree Road	08003	469.10	30	9.63	A-3	
Harte Elementary School	1909 Queen Anne Road	08003	528.57	1, 2	7.49	A-4	
Johnson Elementary School	500 Kresson Road	08034	433.22	26	19.82	A-5	
Kilmer Elementary School	2900 Chapel Avenue	08002	286.37	1	13.27	A-6	
Kingston Elementary School	320 Kingston Road	08034	339.05	17	9.31	A-7	
Knight Elementary School	140 Old Carriage Road	08034	404.15	1	6.67	A-8	
Mann Elementary School	150 Walt Whitman Boulevard	08003	529.08	7	6.78	A-9	
Paine Elementary School	4001 Church Road	08034	337.04	1	10.00	A-10	
Sharp Elementary School	300 Old Orchard Road	08003	513.51	10	10.50	A-11	
Stockton Elementary School	200 Wexford Drive	08003	471.00	2	10.09	A-12	
Woodcrest Elementary School	400 Cranford Road	08003	528.17	1	12.48	A-13	
Beck Middle School	950 Cropwell Road	08003	513.51	5	40.48	A-14	
Carusi Middle School	315 Roosevelt Road	08002	314.01	1	22.00	A-15	
Rosa International Middle School	485 Browning Lane	08003	433.01	7	25.00	A-16	
Cherry Hill High School East	1750 Kresson Road	08003	524.18	1	55.70	A-17	
Cherry Hill High School West	2101 Chapel Avenue	08002	167.01	5	60.80	A-18	
Malberg Alt. High School & Admin. Bldg	45 Ranoldo Terrace	08034	463.09 341.17	10, 11 17, 20, 21	12.84	Vacant	A-19
Old Sharp Transportation	1155 Markkress Road	08003	437.01	17	3.00		A-20
Stafford Playground (Fields)	1009 Haddonfield-Berlin Road	08034	431.03	26	4.00	Vacant	A-21
Bunker Hill Site	Liberty Bell Drive	08003	434.09	34	14.48	Vacant	A-22
Sandringham Road Site	Sandringham Road	08003	515.01	1	12.34	Vacant	A-23