

**STATE OF ARIZONA
SCHOOL FACILITIES BOARD**

*** SCHOOL FACILITIES BOARD ***

NOTICE OF PUBLIC MEETING

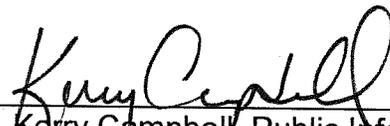
Pursuant to Arizona Revised Statutes Annotated (A.R.S.) §38-431.02, notice is hereby given to the members of the School Facilities Board and to the general public that the Board will hold a meeting open to the public at the date, time and place set forth below. The Board will consider the items listed on the agenda and will take action when necessary and appropriate. The Board reserves the right to change the order of items on the agenda, with the exception of public hearings.

Pursuant to A.R.S. §38-431.03(A)(3), (4) and (7) the Board may vote to go into Executive Session, which is not open to the public to receive legal advice from the Board's attorney on any matter listed on the agenda.

One or more members of the School Facilities Board may attend either in person or by telephone, video or internet conferencing.

DATED AND POSTED this 31ST day of December, 2014.

January 7, 2015
10:00am MST
Arizona State Archives Building
1901 W. Madison St.
1st floor meeting room
Phoenix, Arizona 85009

By 
Kerry Campbell, Public Information Officer
602-542-6504
School Facilities Board
1700 W. Washington St., Ste. 104
Executive Tower, 1st Floor
Phoenix, Arizona 85007

Persons with a disability may request a reasonable accommodation, such as a sign language interpreter, by contacting Kerry Campbell at 602-542-6504. Requests should be made as early as possible to allow time to arrange the accommodation.

AGENDA
SCHOOL FACILITIES BOARD
January 7, 2015
10:00AM

Arizona State Archives Building
1901 W. Madison St.
1st floor meeting room
Phoenix, Arizona 85009

Pursuant to A.R.S. §38-431.03(A)(3), the Board may vote to go into Executive Session, which is not open to the public for discussion or consultation for legal advice with the Board's attorney.

- I. Call to Order
- II. Roll Call
- III. Consideration and possible vote to accept, reject or modify the Minutes and Executive Session Minutes of December 10, 2014 and the Minutes of December 12, 2014
- IV. New Construction Requests
 - a. Consideration and possible vote to accept, reject or modify the FY 2015 Capital Plan New Construction Requests

◆ Avondale Elementary
◆ Buckeye Elementary
◆ Laveen Elementary
◆ Littleton Elementary
◆ Nadaburg Unified
◆ Riverside Unified
◆ Union Elementary

- b. Consideration and possible vote to accept, reject or modify the New Construction Project Review

◆ Benson Unified

- V. Building Renewal Grant Requests
 - a. Consideration and possible vote to ratify the Executive Director's awards of Building Renewal Grant funds as authorized in the Building Renewal Grant Policy IX.C. (up to \$50,000 for deficiencies correction)

◆ Colorado River Union

◆ Coolidge Unified
◆ Lake Havasu Unified
◆ Palo Verde Elementary
◆ Scottsdale Unified
◆ Show Low Unified
◆ St David Unified
◆ Superior Unified

b. Consideration and possible vote to accept, reject or modify Building Renewal Grant Requests

Supplemental Awards

◆ Scottsdale Unified
◆ Show Low Unified
◆ Yarnell Elementary

c. Consideration and possible vote to accept, reject or modify Building Renewal Grant Requests

Construction Awards

◆ Bullhead City Elementary
◆ Catalina Foothills Unified
◆ Gilbert Unified
◆ Scottsdale Unified (3 requests)

d. Consideration and possible vote to accept, reject or modify Building Renewal Grant Requests

Design Awards

◆ Ash Creek Elementary
◆ Cave Creek Unified
◆ Creighton Elementary
◆ Kirkland Elementary (2 requests)
◆ Mesa Unified
◆ Scottsdale Unified
◆ Show Low Unified (2 requests)
◆ Tolleson Union (2 requests)

- e. Consideration and possible vote to accept, reject or modify Building Renewal Grant Requests

Denial

◆ Dysart Unified (3 requests)

VI. Future Agenda Items

VII. Public Comment

Members of the Board may not discuss items that are not specifically identified on the agenda. Therefore, pursuant to A.R.S. §38-431.01(H), action taken as a result of public comment will be limited to directing staff to study the matter, responding to the criticism or scheduling the matter for further consideration and decision at a later date.

VIII. Adjournment

SCHOOL FACILITIES BOARD
December 10, 2014
Phoenix, Arizona

The School Facilities Board held a Board Meeting at the Arizona State Archives Building in Phoenix, Arizona. The meeting began at approximately 10:16 A.M.

<u>Members Present</u>	<u>Guests Present</u>
Jennifer Stielow, Chair	Chris Tosh, APS
Tom Rushin, Vice-Chair	Dennis Edwards, CST
Dru Barisich	Chris Worley, EMCOR
Traci Sawyer-Sinkbeil	Tom Robins, EMCOR
Dr. Jeff Smith	Allison Suriano, FMG
Vern Crow	Carlos Monreal, Scottsdale USD
Bryan Peltzer	Michael Williams, OSPB
<u>Members Absent</u>	<u>Staff Present</u>
Ward Simpson	Dean Gray, Executive Director
Edward Boot	Phil Williams, Deputy Director
Stacey Morley (non-voting)	Amber Peterson, School Finance Specialist
	Debra Sterling, Attorney General's Office
	Pat Cruse, School Facilities Liaison
	Dan Demland, School Facilities Liaison
	Yujun Mei, Demographer

- I. Call to Order
Chairman Jennifer Stielow called the meeting to order at approximately 10:16 A.M.
- II. Roll Call
There were six (6) voting Board Members present at the start of the meeting. Dr. Jeff Smith joined the meeting just before agenda item V.d.
- III. Consideration and possible vote to accept, reject or modify the Minutes of November 12, 2014
Tom Rushin made a motion for Board approval of the Minutes of November 12, 2014 as amended (the location of the November 12, 2014 meeting was at the Arizona State Capitol Building). Vern Crow seconded. The motion passed with a voice vote of 6-0.
- IV. New School Construction
Consideration and possible vote to accept, reject or modify the FY 2015 Capital Plan New Construction Requests
Dean Gray provided a brief explanation of the staff recommendations as presented in the Board packet. The Board voted on the Yuma Elementary request separately.

Vern Crow made a motion for Board approval of the following staff recommendations:

1. **Benson Unified (K-4): Approve** a K-4 school for 191 students.

2. **Colorado City Unified (K-12): Conceptually approve** a K-12 school for 149 students to be approved in FY 18.
3. **Gadsden Elementary (K-6): Conceptually approve** 008N (buildout of core K-6 school) to be approved in FY 18 and 009N (additional space at an existing school for 638 students) to be approved in FY 22.
4. **Pima Unified (K-6): Conceptually approve** 002N (K-6 school for 79 students) to be approved in FY 16.
5. **Somerton Elementary (K-5): Conceptually approve** 008N (K-5 school for 275 students) to be approved in FY 21.
6. This item was voted on separately.
7. **Yuma Union (9-12): Conceptually approve** a 9-12 school for 1,800 students to be approved in FY 22.

Dru Barisich seconded. The motion passed with a voice vote of 6-0.

Tom Rushin recused himself from the Board at this time.

Vern Crow made a motion for Board approval of the following staff recommendation:

6. **Yuma Elementary (K-5): Deny** conceptual approval for a new school for 800 students to be approved in FY 20.

Traci Sawyer-Sinkbeil seconded. The motion passed with a voice vote of 5-0.

Tom Rushin rejoined the Board at this time.

V. Building Renewal Grant Requests

Dean Gray reviewed the balance of the Building Renewal Grant fund. If today's recommendations are approved by the Board the remaining balance would be \$6,662,418. Staff continues working to close projects and make recognized savings and unspent monies available for new projects.

- a. Consideration and possible vote to ratify the Executive Director's awards of Building Renewal Grant funds as authorized by the Building Renewal Grant Policy IX.C. (up to \$50,000 for project award)

Dean Gray provided a brief explanation of the requests as presented in the Board packet.

Tom Rushin made a motion for Board approval of the following staff recommendations:

1. Board ratification that **Colorado River Union** be awarded \$1,875 in Building Renewal Grant funding for the repair of the fire alarm system in Building 1009 at River Valley High School (project number 080502002-

1009-018BRG). This includes \$500 in contingency that will only be used with SFB staff approval.

2. Board ratification that **Coolidge Unified** be awarded \$7,388 in Building Renewal Grant funding to replace a 100-gallon water heater in Building 1006 at Mountain Vista Middle School (project number 110221009-1006-013BRG). This includes \$400 in contingency that will only be used with SFB staff approval.
3. Board ratification that **Paloma Elementary** be awarded \$4,274 in Building Renewal Grant funding to repair a blocked sewer line at the gymnasium/kitchen Building 1002 at Kiser Elementary School (project number 070394001-1002-008BRG). This includes \$500 in contingency that will only be used with SFB staff approval.
4. Board ratification that **Toltec Elementary** be awarded \$1,032 in Building Renewal Grant funding to replace the 225 amp main circuit breaker for Building 1006 at Toltec Elementary School (project number 110422101-1006-003BRG).
5. Board ratification that **Tucson Unified** be awarded \$10,000 in Building Renewal Grant funding to replace the 800 amp main breaker at Booth Magnet Elementary School (project number 100201137-9999-014BRG). This includes \$1,027 in contingency that will only be used with SFB staff approval.
6. Board ratification that **Wilson Elementary** be awarded \$11,703 in Building Renewal Grant funding for the replacement of the 3.5-ton water source heat pump for Room 606 at Wilson Primary School (project number 070407102-1001-006BRG). This includes \$2,000 in contingency that will only be used with SFB staff approval.
7. Board ratification that **Wilson Elementary** be awarded \$6,045 in Building Renewal Grant funding for the replacement of the HVAC mini split system in Building 1001 at Wilson Elementary School (project number 070407101-1001-007BRG). This includes \$1,000 in contingency that will only be used with SFB staff approval.

Bryan Peltzer seconded. The motion passed with a voice vote of 6-0.

b. Consideration and possible vote to accept, reject or modify Building Renewal Grant Requests (supplemental awards)

Dean Gray provided a brief explanation of the requests as presented in the Board packet. The Board discussed various aspects of the projects.

Vern Crow moved to table **Superior Unified's** request for consideration at a future Board meeting. Bryan Peltzer seconded. The motion passed with a voice vote of 6-0.

Traci Sawyer-Sinkbeil made a motion for Board approval of the following staff recommendations:

1. Board approval of the staff recommendation that **Gila Bend Unified** be awarded an additional \$142,000 in Building Renewal Grant funding for the design, engineering, bids, construction administration and estimated construction cost to address water lines, roof and wall leaks in the music/library/art Building 1004 at Gila Bend Elementary School (project number 070224001-1004-010BRG). This includes \$7,500 for permits and testing and \$9,515 in contingency that will only be used with SFB staff approval and brings the total project cost to \$144,380.
2. Board approval of the staff recommendation that **Gila Bend Unified** be awarded an additional \$118,750 in Building Renewal Grant funding for the design, engineering, bids, construction administration and estimated construction cost to repair the water/gas/electrical services to the science tables in the computer/science Building 1001 at Gila Bend High School (project number 070224002-1001-011BRG). This includes \$7,500 for permits and testing and \$9,500 in contingency that will only be used with SFB staff approval and brings the total project cost to \$120,900.
3. This item was tabled for future consideration.

Vern Crow seconded. The motion passed with a voice vote of 6-0.

c. Consideration and possible vote to accept, reject or modify Building Renewal Grant Requests (construction awards)

Dean Gray provided a brief explanation of the requests as presented in the Board packet.

Bryan Peltzer made a motion for Board approval of the following staff recommendations:

1. Board approval of the staff recommendation that **Beaver Creek Elementary** be awarded \$33,000 in Building Renewal Grant funding to replace the heaters in the gymnasium/cafeteria Building 1005 at Beaver Creek Elementary School. This includes \$3,000 in contingency that will only be used with SFB staff approval.
2. Board approval of the staff recommendation that **Beaver Creek Elementary** be awarded \$58,000 in Building Renewal Grant funding to replace the evaporative coolers serving the gymnasium/cafeteria Building 1005 at Beaver Creek Elementary School. This includes \$3,000 in contingency that will only be used with SFB staff approval.
3. Board approval of the staff recommendation that **Bonita Elementary** be awarded \$18,500 in Building Renewal Grant funding to replace the bleachers in the administration/classroom/multipurpose Building 1001 at Bonita Elementary School. This includes \$2,142 in contingency that will only be used with SFB staff approval.
4. Board approval of the staff recommendation that **Canon Elementary** be awarded \$7,500 in Building Renewal Grant funding to replace the 5-ton heat pump unit serving the gymnasium Building 1002 at Canon

Elementary School. This includes \$1,600 for structural engineering and \$1,071 in contingency that will only be used with SFB staff approval.

5. Board approval of the staff recommendation that **Humboldt Unified** be awarded \$53,000 in Building Renewal Grant funding for roof repairs on classroom/gymnasium Building 1005 at Bradshaw Mountain High School. This includes \$2,000 for a structural analysis and \$5,325 in contingency that will only be used with SFB staff approval. The Board added \$2,000 for an asbestos survey, for a total of \$55,000.
6. Board approval of the staff recommendation that **Snowflake Unified** be awarded \$14,010 in Building Renewal Grant funding to replace various doors and door hardware in Building 1005 at Snowflake Intermediate School. This includes \$2,000 in contingency that will only be used with SFB staff approval.
7. Board approval of the staff recommendation that **Snowflake Unified** be awarded \$13,987 in Building Renewal Grant funding to replace the various doors and door hardware in Building 1001 at Taylor Intermediate School. This includes \$2,000 in contingency that will only be used with SFB staff approval.
8. Board approval of the staff recommendation that **Tolleson Elementary** be awarded \$9,500 in Building Renewal Grant funding for repairs to the 15-ton packaged HVAC unit serving the gymnasium Building 1008 at Arizona Desert Elementary School. This includes \$1,935 in contingency that will only be used with SFB staff approval.
9. Board approval of the staff recommendation that **Tucson Unified** be awarded \$7,100 in Building Renewal Grant funding for the replacement of the intercom system at Fruchtdler Elementary School. This includes \$690 in contingency that will only be used with SFB staff approval.
10. Board approval of the staff recommendation that **Tucson Unified** be awarded \$255,000 in Building Renewal Grant funding for the replacement of the chiller and chilled water pump at Tolson Elementary School. This includes \$20,000 in contingency that will only be used with SFB staff approval.
11. Board approval of the staff recommendation that **Young Elementary** be awarded \$2,500 in Building Renewal Grant funding for Phase 2 (closing the gaps at the existing columns). This includes \$1,823 in contingency that will only be used with SFB staff approval. Staff recommends Phase 1 and Phase 3 be denied because it appears the request does not meet the statutory requirements for Building Renewal Grant funding. These phases are maintenance issues.

Vern Crow seconded. The motion passed with a voice vote of 6-0.

Dr. Jeff Smith joined the Board at this time and recused himself for the following agenda item.

d. Consideration and possible vote to accept, reject or modify Building Renewal Grant Requests (design awards)

Dean Gray provided a brief explanation of the requests as presented in the Board packet.

Tom Rushin made a motion for Board approval of the following staff recommendation:

Board approval of the staff recommendation that **Balsz Elementary** be awarded \$2,500 in Building Renewal Grant funding for an engineering assessment of the chilled water piping at David Crockett Elementary School.

Dru Barisich seconded. The motion passed with a voice vote of 6-0.

Dr. Smith rejoined the Board at this time.

e. Consideration and possible vote to accept, reject or modify Building Renewal Grant Requests (design award)

Dean Gray provided a brief explanation of the requests as presented in the Board packet.

Vern Crow made a motion for Board approval of the following staff recommendations:

1. Board approval of the staff recommendation that **Canon Elementary** be awarded \$2,800 in Building Renewal Grant funding for design services to evaluate the existing water drainage plan and propose improvements to alleviate the current erosion problems at classroom Building 1001 at Canon Elementary School.
2. Board approval of the staff recommendation that **Holbrook Unified** be awarded \$8,200 in Building Renewal Grant funding to assess the drainage issues in the courtyard and provide construction documents for the repairs at Holbrook High School.
3. Board approval of the staff recommendation that **Littlefield Unified** be awarded \$1,375 in Building Renewal Grant funding for a roof survey at classroom Building 1008 at Beaver Dam Elementary School.
4. Board approval of the staff recommendation that **Mohave Valley Elementary** be awarded \$5,000 in Building Renewal Grant funding for the engineering design services for the replacement of two wall-mounted HVAC units in classroom Building 1013 at Mohave Valley Elementary School.
5. Board approval of the staff recommendation that **Round Valley Unified** be awarded \$13,667 in Building Renewal Grant funding for the power study and design for repairs to the existing electrical service in Building 1002 at Round Valley High School.

6. Board approval of the staff recommendation that **Round Valley Unified** be awarded \$4,500 in Building Renewal Grant funding for a performance specification and design for the replacement of the existing emergency lighting system at Round Valley High School.
7. Board approval of the staff recommendation that **Safford Unified** be awarded \$1,125 in Building Renewal Grant funding for an initial roof investigation in order to generate a design/construction cost to replace the roofs on Buildings 1002 and 1003 at Safford High School. The Board added \$3,000 for an asbestos survey, for a total of \$4,125.
8. Board approval of the staff recommendation that **Safford Unified** be awarded \$1,125 in Building Renewal Grant funding for an initial field investigation to generate a design/construction cost to replace the roof on classroom Building 1005 at Dorothy Stinson Elementary School. The Board added \$3,000 for an asbestos survey, for a total of \$4,125.

Traci Sawyer-Sinkbeil seconded. The motion passed with a voice vote of 7-0.

- f. Consideration and possible vote to accept, reject or modify Building Renewal Grant Requests (denial)

Dean Gray provided a brief explanation of the requests as presented in the Board packet. The Board voted on the requests separately.

Bryan Peltzer recused himself from the Board at this time.

Vern Crow made a motion for Board approval of the following staff recommendation:

Board approval of the staff recommendation that **Blue Ridge Unified's** request for Building Renewal Grant funding to replace the existing asphalt fire road and bus lane be **denied** at this time. Staff also recommends the district contact the architect of record and the general contractor who built the school to determine why this asphalt drive is failing.

Dr. Jeff Smith seconded. The motion passed with a voice vote of 6-0.

Bryan Peltzer rejoined the Board at this time.

Traci Sawyer-Sinkbeil made a motion for Board approval of the following staff recommendation:

Board approval of the staff recommendation that **Young Elementary's** request for Building Renewal Grant funding to improve the parking surfaces under the solar arrays be **denied** because it appears the request does not meet the statutory requirements for Building Renewal Grant funding. The district has sufficient parking in the same parking lot to meet the Minimum School Facility Guidelines.

Tom Rushin seconded. The motion passed with a voice vote of 7-0.

VI. Emergency Deficiencies Correction Requests
Consideration and possible vote to ratify the Executive Director's awards of Emergency Deficiencies Correction funds as authorized by the Emergency Deficiencies Policy VI.B. (up to \$30,000 for professional evaluation)

Dean Gray reviewed the balance of the Emergency Deficiencies Correction fund. If today's recommendations are approved by the Board the remaining balance would be \$564,229. Staff continues working to close projects and make recognized savings and unspent monies available for new projects.

Dean Gray provided a brief explanation of Colorado River Union's request as presented in the Board packet. The Board discussed various aspects of the project.

Tom Rushin made a motion for Board approval of the following staff recommendation:

Board ratification that **Colorado River Union** be awarded \$20,060 in Emergency Deficiencies Correction funding for the forensic investigation of the structural safety of the field light poles at Mohave High school. This includes \$3,000 in contingency that will only be used with SFB staff approval.

Bryan Peltzer seconded. The motion passed with a voice vote of 7-0.

VII. Notice of Claim Jeffrey A. Bade

Traci Sawyer-Sinkbeil made a motion for the Board to go into Executive Session. Bryan Peltzer seconded. The motion passed with a voice vote of 7-0.

The Board convened in Executive Session starting at 11:20am.

The Executive Session adjourned at 11:40am.

The Board meeting reconvened at 11:43am.

VIII. Future Agenda Items

Dr. Jeff Smith requested calendar invites for future Board meetings. He also suggested electronic Board packets which help save time and paper, and aid in transparency.

IX. Public Comment

No requested for public comment were received.

X. Adjournment

There being no further business, Jennifer Stielow adjourned the meeting at approximately 11:46 A.M.

Approved by the School Facilities Board on _____, 2015

Chair

SCHOOL FACILITIES BOARD
December 12, 2014
Phoenix, Arizona

The School Facilities Board held a Board Meeting at the Arizona State Capitol Building in Phoenix, Arizona. The meeting began at approximately 10:17 A.M.

<u>Members Present</u>	<u>Guests Present</u>
Jennifer Stielow, Chair	none
Tom Rushin, Vice-Chair – on phone	
Ward Simpson – on phone	<u>Staff Present</u>
Traci Sawyer-Sinkbeil – on phone	Dean Gray, Executive Director
Bryan Peltzer – on phone	Phil Williams, Deputy Director
	Kerry Campbell, Public Information Officer
<u>Members Absent</u>	Debra Sterling, Attorney General's Office
Dr. Jeff Smith	
Edward Boot	
Vern Crow	
Dru Barisich	
Stacey Morley (non-voting)	

I. Call to Order

Chairman Jennifer Stielow called the meeting to order at approximately 10:17 A.M.

II. Roll Call

There was one (1) voting Board Members present and four (4) voting Board Members on the phone, for a total of five (5) voting members participating in the meeting.

III. Building Renewal Grant Requests

Consideration and possible vote to accept, reject or modify Building Renewal Grant Requests (supplemental awards)

Dean Gray provided a brief explanation of the request as presented in the Board packet.

Bryan Peltzer made a motion for Board approval of the following staff recommendation:

Board approval of the staff recommendation that **Superior Unified** be awarded an additional \$107,250 in Building Renewal Grant funding for the structural repairs as required by the engineer to Building 1001 at John F. Kennedy Elementary School (project number 110215101-1001-007BRG). This includes \$10,000 in contingency that will only be used with SFB staff approval and brings the total project cost to \$142,250.

Tom Rushin seconded. The motion passed with a voice vote of 5-0.

IV. Public Comment

No requested for public comment were received.

V. Adjournment

There being no further business, Jennifer Stielow adjourned the meeting at approximately 10:22 A.M.

Approved by the School Facilities Board on _____, 2015

Chair

**STATE OF ARIZONA
SCHOOL FACILITIES BOARD**

Meeting Date: January 7, 2015

Agenda Item IV.a.

Subject: IV.a. New School Construction

**Consideration and possible vote to accept, reject or modify the FY 2015
Capital Plan New Construction Requests, including projects from:**

**Avondale Elementary
Buckeye Elementary
Laveen Elementary
Littleton Elementary
Nadaburg Unified
Riverside Elementary
Union Elementary**

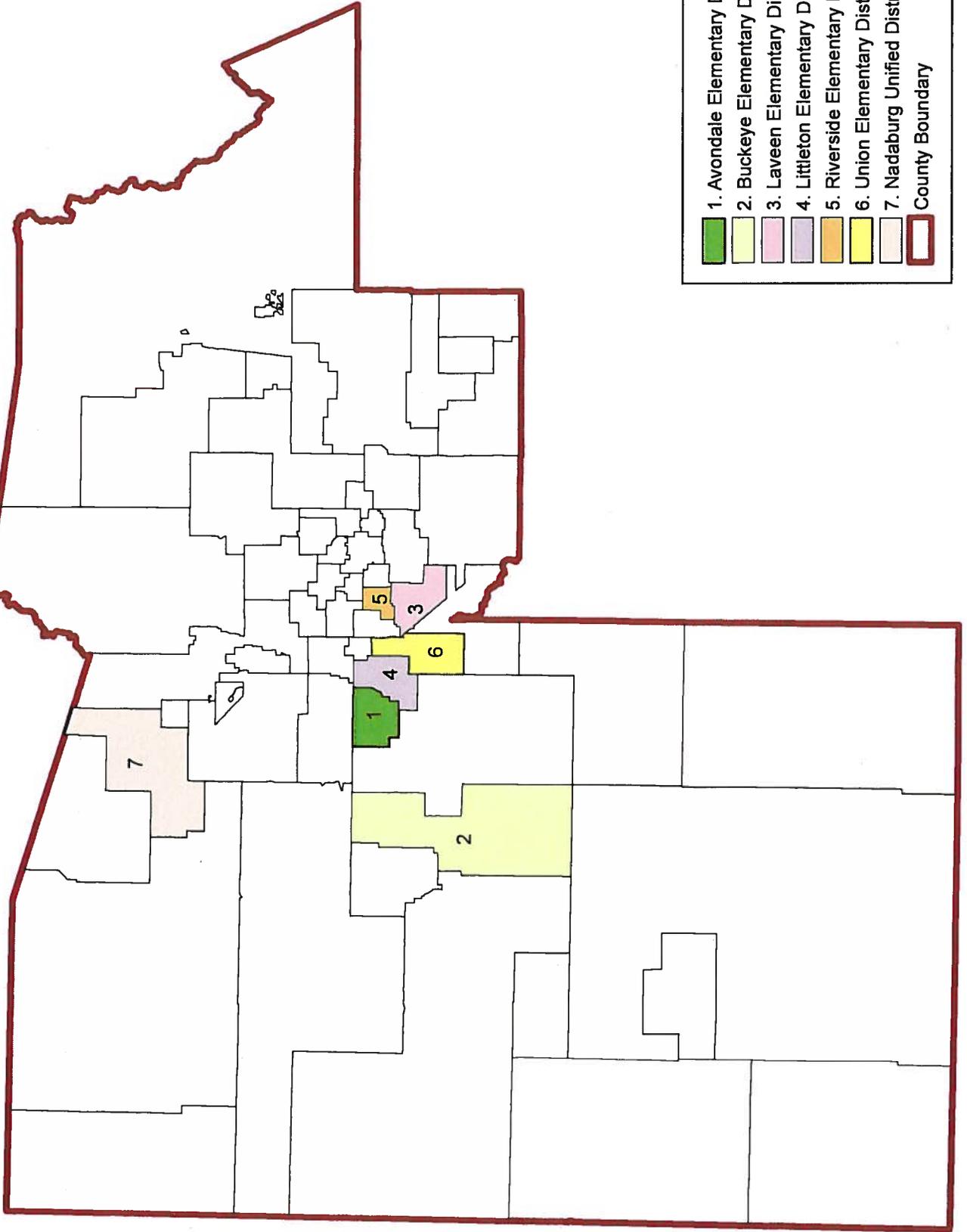
Board Action Requested: [] information [X] action / described below

Board approval of staff recommendations as listed below.

1. **Avondale Elementary (K-8): Conceptually approve 001N (K-8 for 850 students) to be approved in FY 22.**
2. **Buckeye Elementary (K-8): Conceptually approve 011N (K-8 for 800 students) to be approved in FY 21.**
3. **Laveen Elementary (K-8): Conceptually approve 009N (K-8 for 1,000 students) to be approved in FY 17. Conceptually approve 010N (K-8 for 1,000 students) to be approved in FY 20.**
4. **Littleton Elementary (K-8): Conceptually approve a K-8 school for 950 students to be approved in FY 22.**
5. **Nadaburg Unified (9-12): Conceptually approve 007N (geographic exception high school for 1,000 students) to be approved in FY 20.**
6. **Riverside Elementary (K-8): Deny conceptual approval.**
7. **Union Elementary (K-8): Conceptually approve 007N (K-8 for 800 students) to open in FY 20.**

Attachments: Yes [X] No []

School Districts in Maricopa County (Part I)
January 7, 2015 Board Meeting



School Districts in Maricopa County (Part I)

Capital plans considered on this agenda are from seven school districts in the central and northern parts of Maricopa County, the most populous county in the state. The county and state population information is presented in Table 1.

Table 1: Population growth in Maricopa County 2010-2014

	Census 2010	July 1, 2010	July 1, 2011	July 1, 2012	July 1, 2013	July 1, 2014	Annualized Growth Rate*
Maricopa County	3,817,117	3,824,058	3,843,370	3,884,705	3,944,859	4,008,651	1.19%
Arizona	6,392,017	6,401,569	6,438,178	6,498,569	6,581,054	6,667,241	1.02%

Sources: Census 2010 from U.S. Census Bureau. July 1 estimates from Arizona State Demographer's Office.

* From July 1, 2010 to July 1, 2014.

Between the two decennial censuses of 2000 and 2010, Maricopa County and Arizona experienced considerable population growth at annualized growth rates of 2.19% and 2.22%, respectively compared to the national average of 0.93% (*U.S. Census Bureau*). From 2010 to 2014, those rates dropped to 1.19% and 1.02%, respectively (*Arizona State Demographer's Office*) compared to the national average of 0.76% for the same period (*U.S. Census Bureau: Population Estimates*).

Currently, there are 16 unified school districts, 33 elementary school districts, and six union high school districts in the County. Located in Central Maricopa County are some of the nation's fastest growing cities and towns during the 2000-2010 decade, including *Avondale, Buckeye and Goodyear*. During the housing boom years, tens of thousands of residential housing units were constructed and occupied in this area. As a result, school districts in Central Maricopa County experienced substantial and consistent growth in ADM. With the subsequent meltdown of the real estate market and the economic recession, this area also became one of the hardest-hit areas by foreclosures and accumulated a large amount of vacant housing units. New housing construction and sales either came to a complete halt during FY 2010-2011 or kept at a minimal level. The housing market began to see apparent signs of recovery in late 2011 with substantial housing inventories being absorbed at a much quicker pace. By the end of the year 2012, the vast majority of the inventory had disappeared, two years ahead of what developers and builders had expected. Today, the median sales price for single family homes in Maricopa County is up about 3.4% from 12 months ago and 31.9% from two years ago (*Monthly Report-Greater Phoenix Housing Market, October 2014, 2013 & 2012, Arizona State University*).

The total housing sales in Maricopa County have decreased in the past year compared to the year prior (*ARMLS statistics*). However, the percentage of housing sales acquired by investors has been steadily declining from 34.9% two years ago, to 22.9% 12 months ago,

and to 16.0% in October 2014 (*Monthly Reports-Greater Phoenix Housing Market, Arizona State University*). In the central part of Maricopa County covering *Avondale, Buckeye, Goodyear, Laveen, and Tolleson*, investor flips have decreased by 36.5% in the past year, and new home sales in *Avondale, Buckeye and Laveen* have increased by 8.7%. As a result, nine school districts on the current agenda are all expected to experience an ADM increase this year in spite of expansion of the charter school sector in *Goodyear and Laveen*.

Located in Northern Maricopa County is Nadaburg Unified. Due to its outlying location, foreclosures/short sales continue to be a challenge for the housing market. New housing construction has been at a minimal level, and recovery of the housing market is expected to take longer in this area.

Table 2: ADM growth in seven school districts that submitted capital plan requests, Maricopa County and Arizona FY 2005-2015

Fiscal Year	7-District* 100-day ADM	7-District* ADM Growth Rate	Maricopa County 100-day ADM	Maricopa County ADM Growth Rate	Arizona 100- day ADM	Arizona ADM Growth Rate
2005	13,547		544,043		869,738	
2006	16,846	24.4%	562,860	3.5%	896,174	3.0%
2007	19,537	16.0%	574,469	2.1%	916,418	2.3%
2008	22,543	15.4%	583,970	1.7%	927,847	1.2%
2009	22,932	1.7%	579,557	-0.8%	922,150	-0.6%
2010	22,345	-2.6%	574,872	-0.8%	913,808	-0.9%
2011	22,423	0.3%	566,835	-1.4%	898,031	-1.7%
2012	22,618	0.9%	568,374	0.3%	892,268	-0.6%
2013	23,216	2.6%	568,146	0.0%	888,298	-0.4%
2014	24,126	3.9%	548,567	-3.4%	856,732	-3.6%
Annualized Growth Rate 2005-2014		6.6%		0.1%		-0.2%
2015 Projection	24,901	3.2%				

Source: Arizona Department of Education LEA information website:
<http://www.ade.az.gov/schoolfinance/forms/LEAQuery/InformationRequest.aspx>

* Seven school districts: Avondale Elementary, Buckeye Elementary, Laveen Elementary, Littleton Elementary, Nadaburg Unified, Riverside Elementary and Union Elementary.

Having gone through the historic housing boom and bust, developers/home builders in general are cautious in their forecasting approach with the understanding that a plethora of factors could drastically change the market dynamics. The housing market in 2014 was anticipated to perform better than 2013; however, it has given mixed signals. Given the prospect of population growth in the area, an overall upward growth trend with fluctuations in the housing market is expected for the next few years.

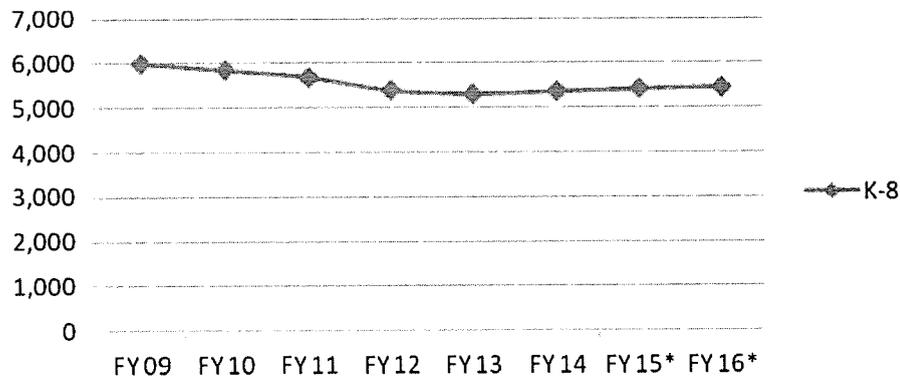
Avondale Elementary School District

District Overview

Avondale Elementary School District is located about 20 miles west of downtown Phoenix, just south of I-10, and covers parts of the communities of Goodyear and Avondale. The District currently has nine elementary schools (K-8) serving approximately 5,400 ADM.

District ADM History

Over the past five years, the District's ADM experienced negative growth ranging from -1.4% to -5.4% during the first four years before it grew 1.0% in FY 14, resulting in an annualized rate of -2.2%.

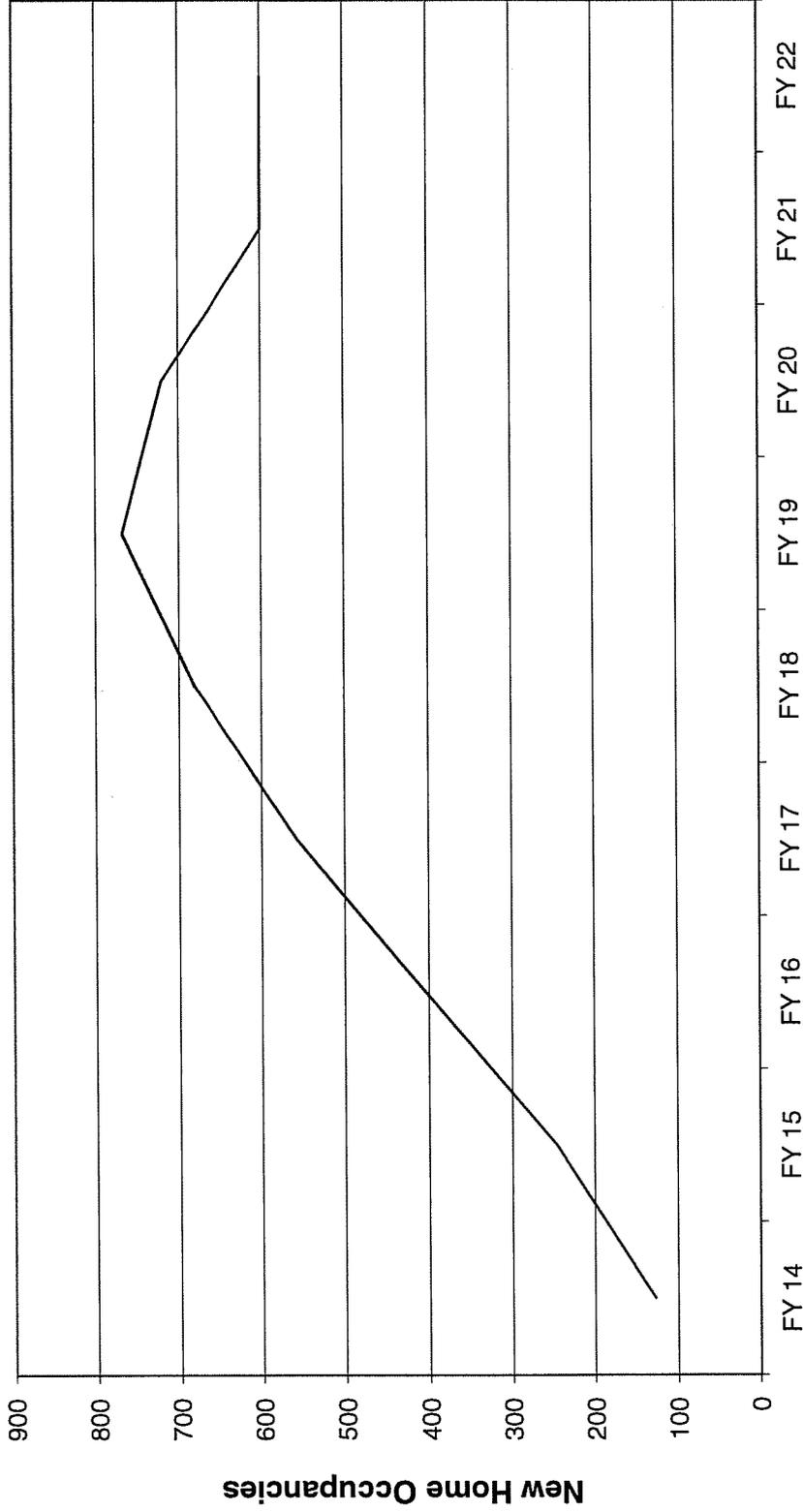


*FY 15 and FY 16: ADM projections

District Outlook

The District's ADM is forecasted to grow 1.0% this year. A number of large charter schools have been operating in the area and a new charter school (K-8) with capacity for 750 students has started enrolling students this year. Nevertheless, SFB staff projects modest ADM growth for the next two years followed by growth within the range of 3.0% – 4.5% per year for most years during the current projection cycle due to substantial residential development.

New Home Occupancies (1)
 Avondale Elementary District



(1) As adjusted by SFB staff. Projections are:

FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
127	246	404	558	681	768	720	600	600	4,704

S C H O O L F A C I L I T I E S B O A R D

**2015 New Construction Analysis
Avondale Elementary District
CTD – 070444
(K-8)**

District New Construction Request

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
							K-8 for 850 (001N)

Staff Notes Regarding District's Request: Project 001N was conceptually approved last year to be approved in FY 22. The district indicated that it owns a site for a future school.

Staff Recommendation for January 7, 2015

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
							K-8 for 850 (001N) (Conceptual)

Note: The actual capacity of an 850-student K-8 school in this district is 982 students.

Note: NO FUNDING IS COMMITTED TO CONCEPTUALLY-APPROVED PROJECTS. ALL CONCEPTUAL PROJECTS SUBJECT TO CHANGE upon review, and have the potential to be delayed, eliminated, or modified.

**New Construction Analysis
Avondale Elementary District
K - 8**

K-8	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	6,611	6,611	6,611	6,611	6,611	6,611	6,611	6,611	6,611	6,611
District-funded Capacity (2)	145	131	120	86	40	-	-	-	-	-
Total Student Capacity	6,755	6,742	6,730	6,697	6,651	6,611	6,611	6,611	6,611	6,611
District's ADM Projections	5,358	5,809	5,983	6,163	6,471	6,795	7,134	7,491	7,865	8,259
ADM Growth Rate	1.0%	8.4%	3.0%	3.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Number of Students for which new space is required (3)		-	-	-	-	184	523	880	1,254	1,648
SFB Recommended ADM Projections	5,358	5,412	5,459	5,593	5,777	5,974	6,236	6,478	6,697	6,910
ADM Growth Rate	1.0%	1.0%	0.9%	2.5%	3.3%	3.4%	4.4%	3.9%	3.4%	3.2%
Number of Students for which new space is required (3)		-	-	-	-	-	-	-	86	299

- (1) See Square Footage and Capacity by School page.
- (2) Capacity of square footage that exceeds 25% of the district's minimum square footage requirements as per A.R.S. 15-2011 E.6. See Local Funds page.
- (3) Difference between ADM projections and Total Student Capacity.

JANUARY 7, 2015 STAFF RECOMMENDATION

The staff recommendation is to conceptually approve:

Project Number / Description	Grade Config.	Design Capacity	SF per Student	Square Feet	Actual Capacity	Approval FY
001N - New school	K-8	850	92.4	78,540	982	FY 22

ADM Projections
Avondale Elementary District

12/18/2014

District Provided ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	5,308	5,358	5,809	5,983	6,163	6,471	6,795	7,134	7,491	7,865	8,259
% change		1.0%	8.4%	3.0%	3.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

SFB ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	5,308	5,358	5,412	5,459	5,593	5,777	5,974	6,236	6,478	6,697	6,910
% change		1.0%	1.0%	0.9%	2.5%	3.3%	3.4%	4.4%	3.9%	3.4%	3.2%

Assumptions:

FY 13 and FY 14 are actual based on information received from ADE. FY 15 through FY 23 based on cohort survival and residential development.

SFB ADM Forecast - Last Year	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	5,308	5,319	5,386	5,505	5,708	5,947	6,163	6,368	6,597	6,780	6,953
% change		0.2%	1.3%	2.2%	3.7%	4.2%	3.6%	3.3%	3.6%	2.8%	2.6%

ADM History
 Avondale Elementary District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
K - 8	5,996	5,843	5,688	5,382	5,308	5,358	
% change		-2.5%	-2.7%	-5.4%	-1.4%	1.0%	-2.2%

Square Footage and Capacity by School
Avondale Elementary District

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
Avondale Pre-School	11,627	0	11,627	0	11,627	88.5	131
Michael Anderson (formerly Avondale Elementary School)	78,020	0	78,020	7,219	70,801	88.5	800
Eliseo C. Felix (formerly Pioneer School) (2)	47,509	0	47,509	0	47,509	88.5	537
Eliseo C. Felix (formerly Pioneer School) (3)	1,900	0	1,900	0	1,900	80.9	23
Lattie Coor School	48,175	0	48,175	0	48,175	88.5	544
Lattie Coor (formerly Avondale Middle School)	88,931	0	88,931	8,646	80,285	88.5	907
Wildflower School	61,940	0	61,940	0	61,940	88.5	700
District-funded addition to Wildflower	3,908	3,908	0	NA	0		
SFB-funded Desert Star School	67,500	0	67,500	NA	67,500	80.9	834
District-funded addition to Desert Star	9,957	9,311	646	0	646	88.5	7
SFB-funded addition to Desert Star (4)	11,060	0	11,060	NA	11,060	80	138
SFB-funded Desert Thunder	76,500	0	76,500	NA	76,500	80	956
District-funded addition to Desert Thunder	9,925	7,875	2,050	0	2,050	88.5	23
SFB-funded addition to Desert Thunder (5)	2,085	0	2,085	NA	2,085	80	26
SFB-funded Centerra Mirage (6)	78,566	0	78,566	NA	78,566	80	982
District-funded addition to Centerra Mirage	7,887	7,887	0	0	0	88.5	-
Copper Trails (7)	89,766	78,188	11,578	NA	11,578	80	145
Total	695,256	107,169	588,087	15,865	572,222		6,755

(1) Based on either the SFB Working Definition of Student Capacity or A.R.S. 15-2011 depending on the type of square footage.
(2) Includes 4,320 SF replacement space funded through Deficiency Corrections and 2,404 SF added by the district with A bonds. Does NOT include 2,900 SF additional space funded through Deficiency Corrections.
(3) Includes 1,900 SF additional space funded through Deficiency Corrections.
(4) Includes 20 SF above original SFB approval, but designed and constructed within SFB budget.
(5) Includes 55 SF above original SFB approval, but designed and constructed within SFB budget.
(6) This school was designed and funded for 78,566 SF (26 SF above original SFB approval), but only 78,526 SF were built according to the district. However, the entire SFB-funded amount of SF gets included in district's capacity.
(7) Currently exceeds excluded space threshold, which varies each year based on ADM. See Local Funds page for amount of square footage projected to be excluded each year.

Note: SFB-funded schools are not adjusted for interior corridors.

Local Funds Report
Avondale Elementary District

12/18/2014

	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K-8 Square Footage										
Copper Trails (FY 09)	89,766									
Wildflower Bldg. 1014 (FY 09)	3,908									
Desert Star Bldg. 1007 (FY 09)	9,311									
Desert Thunder Bldg. 1007 (FY 09)	7,875									
Centerra Mirage Bldg. 1009 (FY 09)	7,887									
Cumulative Total	118,747									
ADM Projections	5,358	5,412	5,459	5,593	5,777	5,974	6,236	6,478	6,697	6,910
x Minimum adequacy factor	80	80	80	80	80	80	80	80	80	80
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	107,169	108,230	109,183	111,865	115,544	119,481	124,729	129,551	133,934	138,199
Square Footage to be built in excess of 25% threshold (1)	11,578	10,517	9,564	6,882	3,203	0	0	0	0	0
Capacity	145	131	120	86	40	0	0	0	0	0

(1) per A.R.S. 15-2011 E.6.

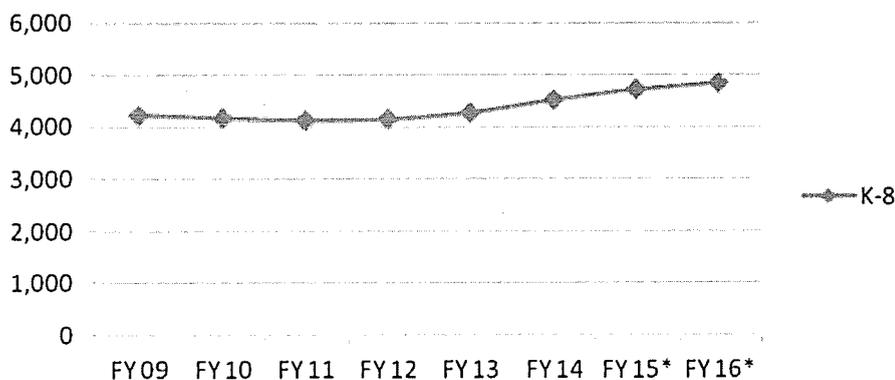
Buckeye Elementary School District

District Overview

Buckeye Elementary District is located approximately 30 miles west-southwest of downtown Phoenix. Interstate 10 passes through the north end of the District. Buckeye was a predominately agricultural area until the mid-2000's. The residential development boom in the west valley made Buckeye Elementary a rapidly growing district between FY 05 and FY 08. The District currently has six K-8 schools, serving over 4,650 ADM.

District ADM History

Over the past five years, the District's ADM went through slight negative growth during the first two years but grew by 3.1% and 5.7% in FY13 and FY14, respectively. The annualized growth rate for the past five years was 1.3%.

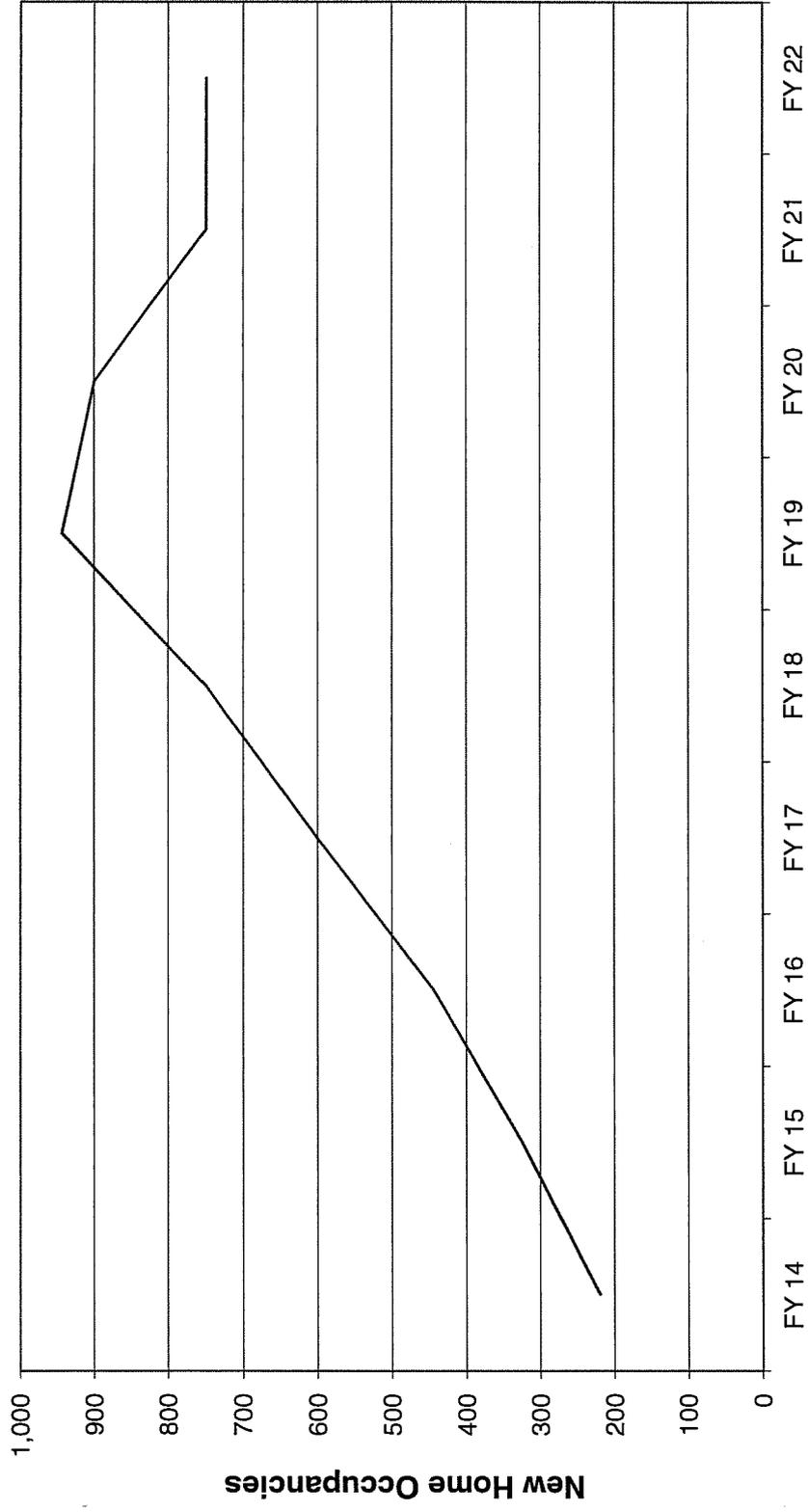


*FY 15 and FY 16: ADM projections

District Outlook

This year the District's ADM is forecasted to grow by 4.5%. A large charter school in the area has also added more than 100 students according to a charter school enrollment report by ADE. New housing sales for single family homes have slightly increased in the past year while the number of investor flips has noticeably decreased, which likely contributed to the continued ADM growth. With the subsequent increase in new housing construction, SFB staff projects ADM growth throughout the projection cycle.

New Home Occupancies (1)
Buckeye Elementary District



(1) As adjusted by SFB staff. Projections are:

FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
219	325	445	601	751	944	900	750	750	5,685

S C H O O L F A C I L I T I E S B O A R D

**2015 New Construction Analysis
Buckeye Elementary District
CTD – 070433
(K-8)**

District New Construction Request

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
		K-8 for 800 (011N)					

Staff Notes Regarding District's Request: This project was conceptually approved last year to be approved in FY 20. The district indicated that a site would be donated for a future school.

Staff Recommendation for January 7, 2015

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
						K-8 for 800 (011N) (Conceptual)	

Note: The actual capacity of an 800-student K-8 school in this district is 924 students.

Note: NO FUNDING IS COMMITTED TO CONCEPTUALLY-APPROVED PROJECTS. ALL CONCEPTUAL PROJECTS SUBJECT TO CHANGE upon review, and have the potential to be pushed back, eliminated, or modified.

**New Construction Analysis
Buckeye Elementary District
K - 8**

K-8	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	5,905	5,905	5,905	5,905	5,905	5,905	5,905	5,905	5,905	5,905
Total Student Capacity	5,905									

District's ADM Projections	4,523	4,900	5,100	5,253	5,411	5,575	5,742	5,857	5,975	6,095
ADM Growth Rate	5.7%	8.3%	4.1%	3.0%	3.0%	3.0%	3.0%	2.0%	2.0%	2.0%
Number of Students for which new space is required (2)		-	-	-	-	-	-	-	70	190

SFB Recommended ADM Projections	4,523	4,728	4,891	5,060	5,283	5,549	5,903	6,205	6,461	6,769
ADM Growth Rate	5.7%	4.5%	3.4%	3.4%	4.4%	5.0%	6.4%	5.1%	4.1%	4.8%
Number of Students for which new space is required (2)		-	-	-	-	-	-	300	557	864

- (1) See Square Footage and Capacity by School page.
- (2) Difference between ADM projections and Total Student Capacity.

JANUARY 7, 2015 STAFF RECOMMENDATION

The staff recommendation is to conceptually approve:

Project Number / Description	Grade Config.	Design Capacity	SF per Student	Square Feet	Actual Capacity	Approval FY
011N - New school	K-8	800	92.4	73,920	924	FY 21

ADM Projections
 Buckeye Elementary District

12/18/2014

District Provided ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	4,277	4,523	4,900	5,100	5,253	5,411	5,575	5,742	5,857	5,975	6,095
% change		5.7%	8.3%	4.1%	3.0%	3.0%	3.0%	3.0%	2.0%	2.0%	2.0%

SFB ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	4,277	4,523	4,728	4,891	5,060	5,283	5,549	5,903	6,205	6,461	6,769
% change		5.7%	4.5%	3.4%	3.4%	4.4%	5.0%	6.4%	5.1%	4.1%	4.8%

Assumptions:

FY 13 and FY 14 are actual based on information received from ADE. FY 15 through FY 23 based on cohort survival and residential development.

SFB ADM Forecast - Last Year	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	4,277	4,488	4,600	4,816	5,088	5,380	5,692	6,012	6,210	6,441	6,714
% change		4.9%	2.5%	4.7%	5.6%	5.7%	5.8%	5.6%	3.3%	3.7%	4.2%

ADM History
 Buckeye Elementary District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
K - 8	4,233	4,172	4,128	4,148	4,277	4,523	
% change		-1.5%	-1.1%	0.5%	3.1%	5.7%	1.3%

Square Footage and Capacity by School
Buckeye Elementary District

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
Buckeye Elementary School	107,557	30,213	77,344	1,774	75,570	88.5	854
Replacement space funded through Deficiency Corrections	36,077	0	36,077	0	36,077	88.5	408
District-funded SF added to Sundance	1,415	1,415	0	0	0	88.5	0
SFB-funded Bales Elementary	73,920	0	73,920	NA	73,920	80.9	914
District-funded SF added to Bales	12,986	9,130	3,856	386	3,470	88.5	39
SFB-funded Sundance Elementary (2)	75,112	0	75,112	NA	75,112	80.9	928
District-funded SF added to Sundance	10,790	10,790	0	0	0	80	0
SFB-funded Westpark	73,920	0	73,920	NA	73,920	80.9	914
SFB-funded Steven Jasinski	73,920	0	73,920	NA	73,920	80.0	924
District-funded SF added to Steven Jasinski	6,552	6,552	0	0	0	80	0
SFB-funded Inca	73,920	0	73,920	NA	73,920	80.0	924
Total K-8 Square Footage	546,169	58,100	488,069	2,160	485,909		5,905

(1) Based on either the SFB Working Definition of Student Capacity or A.R.S. 15-2011 depending on the type of square footage.

(2) Originally approved for 73,920 SF, but project was designed for 75,112 SF within SFB budget. Entire amount funded by SFB is included in capacity analysis.

Note: SFB-funded schools are not adjusted for interior corridors.

Local Funds Report
Buckeye Elementary District

12/18/2014

	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K-8 Square Footage		27,887	27,887	27,887	27,887	27,887	27,887	27,887	27,887	27,887
Buckeye El bldg. 1025 (FY 10)	1,415									
Addition to Bales	9,130									
Addition to Sundance	10,790									
Steven Jasinski bldg. 1002 (FY 13)	6,552									
Cumulative Total	27,887	27,887	27,887	27,887	27,887	27,887	27,887	27,887	27,887	27,887
ADM Projections	4,523	4,728	4,891	5,060	5,283	5,549	5,903	6,205	6,461	6,769
x Minimum adequacy factor	80	80	80	80	80	80	80	80	80	80
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	90,455	94,565	97,823	101,193	105,663	110,988	118,060	124,100	129,230	135,373
Square Footage to be built in excess of 25% threshold (1)	0	0	0	0	0	0	0	0	0	0
Capacity of excess square footage	0	0	0	0	0	0	0	0	0	0

(1) per A.R.S. 15-2011 E.6.

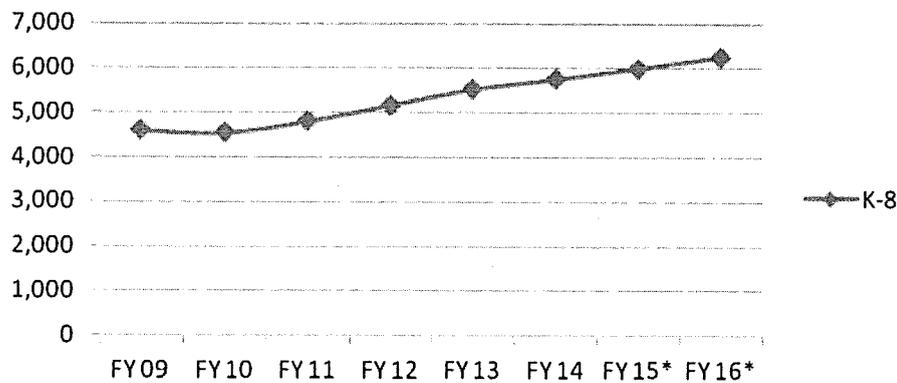
Laveen Elementary School District

District Overview

Laveen Elementary School District is located in the southwest portion of Phoenix, nestled between South Mountain and the Estrella Mountains. It was an agricultural community until the early 2000's, but characteristics have changed since then. The District currently has seven K-8 schools and is serving approximately 6,000 ADM.

District ADM History

After surging to annual growth rates of 24%-32% between FY 05 and FY 08, the rate dropped to 4.6% in FY 09, and further decreased to -1.2% in FY 10. It has since come back to the positive territory. The annualized growth rate over the past five years was 4.6%.

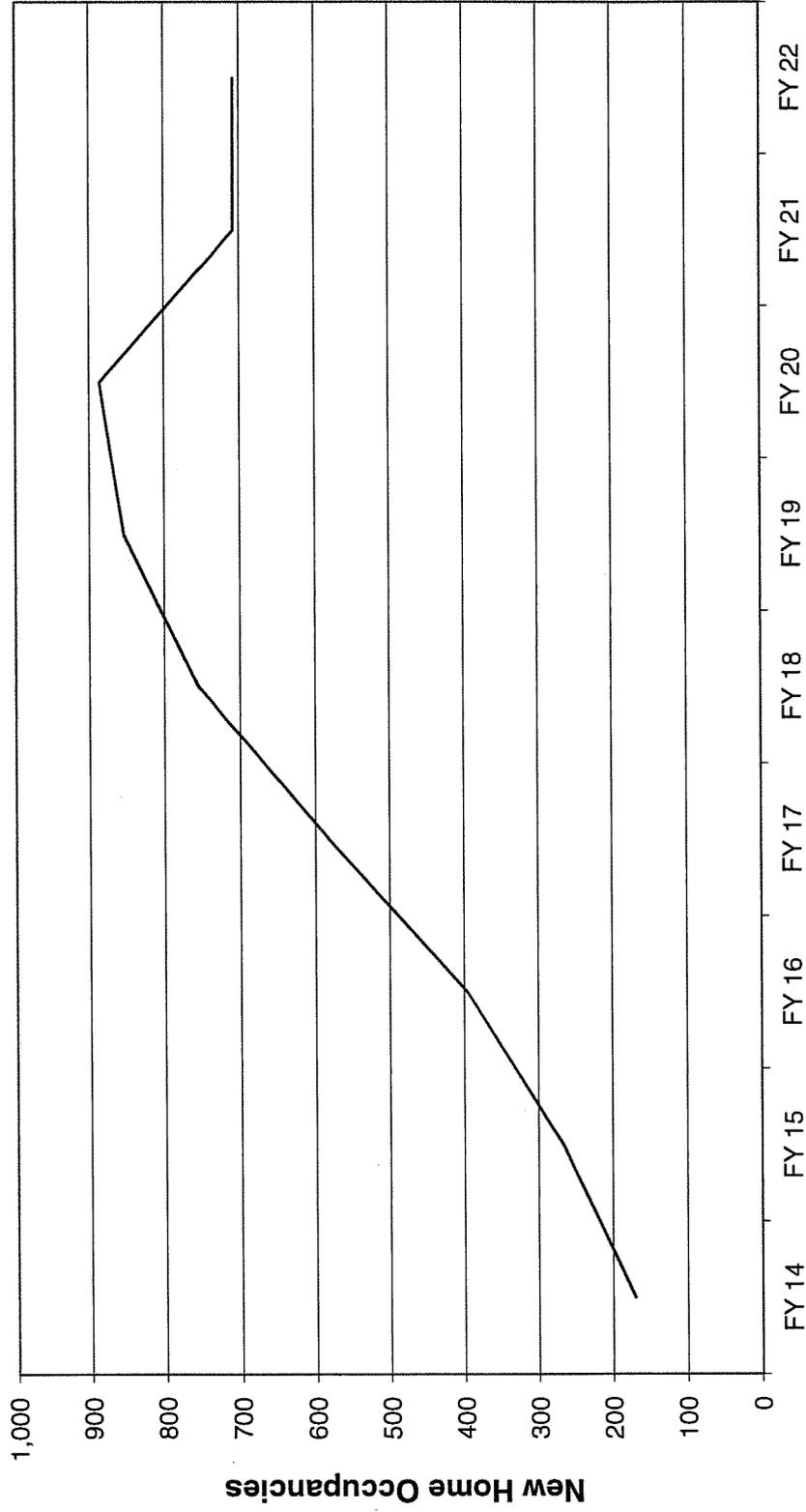


*FY 15 and FY 16: ADM projections

District Outlook

At the height of the housing market in FY 06 and FY 07, more than 2,500 housing units were completed each year, resulting in tremendous ADM growth during those years. The subsequent housing bust brought on a large number of foreclosures/short sales in the area, and the median housing price dropped more than 50%. Following a 1.2% decline in FY 10, the District's ADM saw a significant rebound with annual growth rates of 5.7% - 7.6% during FY 11 - FY 13 as the absorption of housing inventories took place. Following an ADM increase of 4.0% in FY 2014, ADM is forecasted to grow by another 4.3% this year. Because of the District's relative proximity to downtown Phoenix, attractive housing prices and availability of land, the District is expected to experience growth rates in the range of 3.5-6.5% per year in the projection timeframe as more housing developments come to the area.

New Home Occupancies (1)
Laveen Elementary District



(1) As adjusted by SFB staff. Projections are:

FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
170	267	396	582	755	855	887	707	708	5,326

S C H O O L F A C I L I T I E S B O A R D

**2015 New Construction Analysis
Laveen Elementary District
CTD – 070459
(K-8)**

District New Construction Request

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
		K-8 for 1,000 (009N)			K-8 for 1,000 (010N)		

Staff Notes Regarding District's Request: Projects 009N and 010N were conceptually-approved last year to be approved in FY 16 and FY 20, respectively. The district has land in inventory for future school sites.

Staff Recommendation for January 7, 2015

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
		K-8 for 1,000 (009N) (Conceptual)			K-8 for 1,000 (010N) (Conceptual)		

Note: The actual capacity of a 1,000-student K-8 school in this district would be 1,155 students.

Note: NO FUNDING IS COMMITTED TO CONCEPTUALLY-APPROVED PROJECTS. ALL CONCEPTUAL PROJECTS SUBJECT TO CHANGE upon review, and have the potential to be pushed back, eliminated, or modified.

K-8	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	6,345	6,345	6,345	6,345	6,345	6,345	6,345	6,345	6,345	6,345
Total Student Capacity	6,345									

District's ADM Projections	5,756	6,068	6,464	6,929	7,463	8,085	8,730	9,437	10,003	10,214
ADM Growth Rate	4.0%	5.4%	6.5%	7.2%	7.7%	8.3%	8.0%	8.1%	6.0%	2.1%
Number of Students for which new space is required (2)		-	119	584	1,118	1,740	2,385	3,092	3,658	3,869

SFB Recommended ADM Projections	5,756	6,006	6,262	6,553	6,877	7,303	7,699	8,118	8,415	8,710
ADM Growth Rate	4.0%	4.3%	4.3%	4.6%	5.0%	6.2%	5.4%	5.4%	3.7%	3.5%
Number of Students for which new space is required (2)		-	-	208	533	958	1,354	1,773	2,070	2,365

- (1) See Square Footage and Capacity by School page.
- (2) Difference between ADM projections and Total Student Capacity.

JANUARY 7, 2015 STAFF RECOMMENDATION

The staff recommendation is to conceptually approve:

Project Number / Description	Grade Config.	Design Capacity	SF per Student	Square Feet	Actual Capacity	Approval FY
009N - New School	K-8	1,000	92.4	92,400	1,155	FY 17
010N - New School	K-8	1,000	92.4	92,400	1,155	FY 20

ADM Projections
Laveen Elementary District

District Provided ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	5,535	5,756	6,068	6,464	6,929	7,463	8,085	8,730	9,437	10,003	10,214
% change		4.0%	5.4%	6.5%	7.2%	7.7%	8.3%	8.0%	8.1%	6.0%	2.1%

SFB ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	5,535	5,756	6,006	6,262	6,553	6,877	7,303	7,699	8,118	8,415	8,710
% change		4.0%	4.3%	4.3%	4.6%	5.0%	6.2%	5.4%	5.4%	3.7%	3.5%

Assumptions:

FY 13 and FY 14 are actual based on information received from ADE. FY 15 through FY 23 based on cohort survival and residential development.

SFB ADM Forecast - Last Year	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	5,535	5,782	6,039	6,337	6,619	6,962	7,321	7,627	8,029	8,295	8,601
% change		4.5%	4.4%	4.9%	4.5%	5.2%	5.2%	4.2%	5.3%	3.3%	3.7%

ADM History
Laveen Elementary District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
K - 8	4,603	4,546	4,806	5,170	5,535	5,756	
% change		-1.2%	5.7%	7.6%	7.1%	4.0%	4.6%

Square Footage and Capacity by School
Laveen Elementary District

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
Laveen K-6 School	97,717	36,314	61,403	NA	61,403	80.0	768
Maurice C Cash K-6 School	92,539	35,037	57,502	NA	57,502	80.0	719
SFB-funded Cheatham K-6 (2)	71,572	8,663	62,909	NA	62,909	80.9	778
Vista Del Sur 7-8 School	29,206	1,596	27,610	0	27,610	88.5	312
SFB-funded additional space at Vista Del Sur (3)	25,634	0	25,634	NA	25,634	80.9	317
SFB-funded Trailside Point	92,422	22	92,400	NA	92,400	80.9	1,142
SFB-funded Desert Meadows	92,422	22	92,400	NA	92,400	80.0	1,155
SFB-funded Rogers Ranch (4)	92,978	578	92,400	NA	92,400	80.0	1,155
Total K-8	594,490	82,232	512,258	0	512,258		6,345

(1) Based on either the SFB Working Definition of Student Capacity or A.R.S. 15-2011 depending on the type of square footage.

(2) SFB originally approved 62,741 SF, but district reported 62,909 SF actually built (within SFB budget).

(3) Although the district's square footage report indicated that 25,573 SF were built, the SFB funded 25,634 SF, and this entire amount counts against the district's capacity.

(4) Originally approved to open FY 09, but delayed due to moratorium. Funded by Series 2010 QSCB issue.

Note: SFB-funded schools and locally-funded replacement schools are not adjusted for interior corridors.

Local Funds Report
Laveen Elementary District

12/18/2014

	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K-8 Square Footage										
Cheatham bldgs 1005-1007 (FY 06 and FY 08)	8,663									
Addition to Trailside Point (FY 07)	22									
Addition to Desert Meadows (FY 08)	22									
Replacement Laveen Elementary School (excess SF) (FY 12)	36,314									
Rogers Ranch (excess SF) (FY13)	578									
Rebuild M. C. Cash School (excess SF) (FY14)	35,037									
Cumulative Total	80,636	80,636	80,636	80,636	80,636	80,636	80,636	80,636	80,636	80,636
ADM Projections										
x Minimum adequacy factor	5,756	6,006	6,262	6,553	6,877	7,303	7,699	8,118	8,415	8,710
x 25%	80	80	80	80	80	80	80	80	80	80
25% Threshold	115,112	120,116	125,234	131,056	137,549	146,054	153,982	162,356	168,300	174,195
Square Footage to be built in excess of 25% threshold (1)	0	0	0	0	0	0	0	0	0	0
Capacity of excess square footage	0	0	0	0	0	0	0	0	0	0

(1) per A.R.S. 15-2011 E.6.

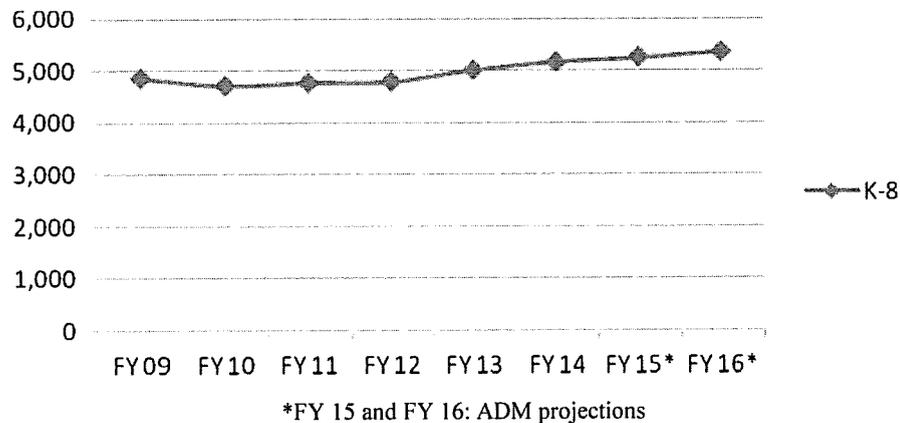
Littleton Elementary School District

District Overview

Littleton Elementary School District is located about 15 miles west of downtown Phoenix, mostly south of Interstate 10, serving parts of the city of Avondale and some county islands. The District currently has seven schools (K-8), serving approximately 5,200 ADM.

District ADM History

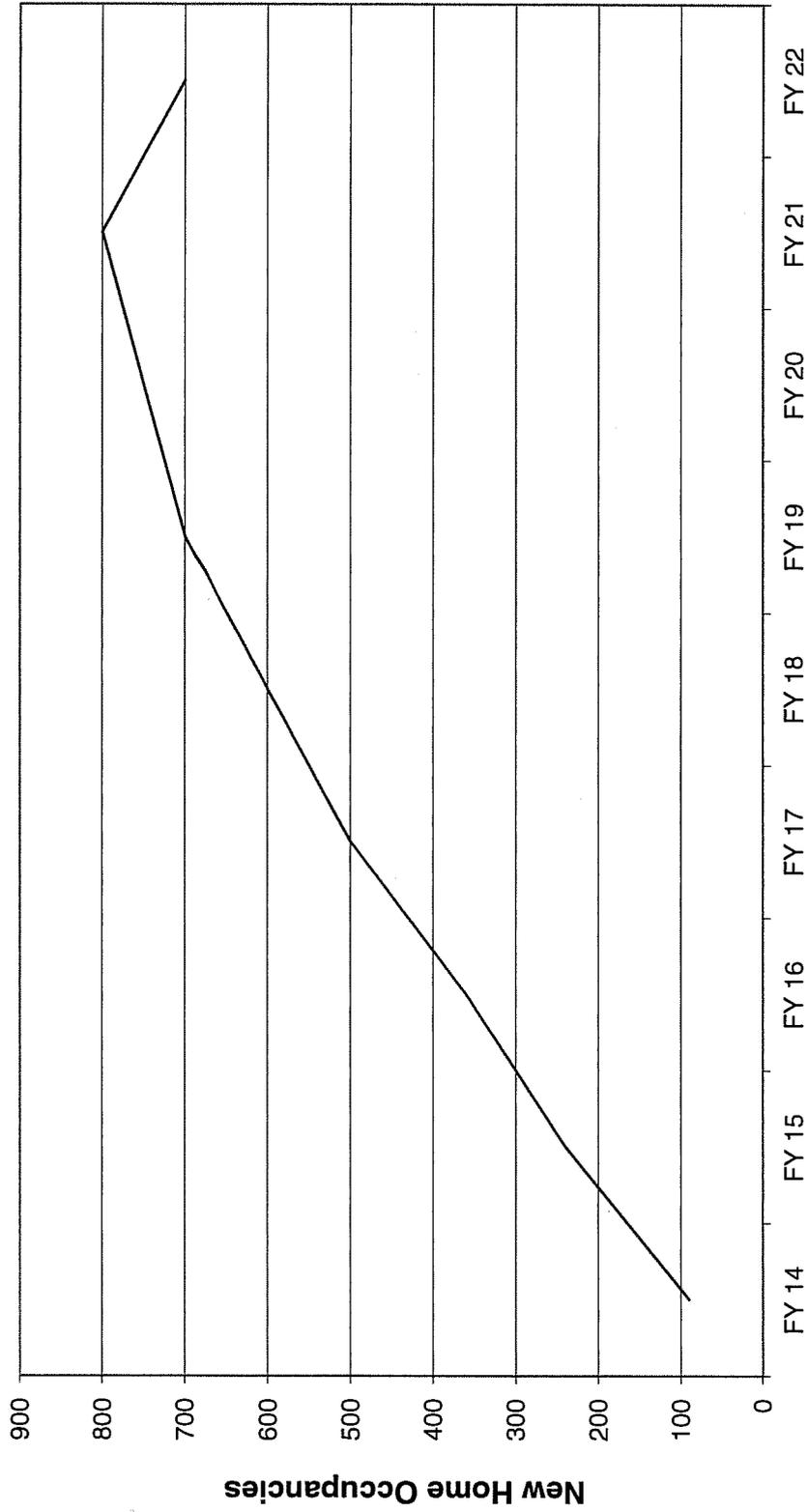
At its peak level, the District's ADM growth reached 37% (FY 05). The growth slowed down and turned negative to -3.1% in FY 10. It has since returned to the positive territory. The annualized growth rate for the past five years was 1.2%.



District Outlook

Even though a large charter school in the area that opened in FY 12 has reached an enrollment of 945 this year according to ADE's charter school enrollment report, the District's ADM is forecasted to grow by approximately 75 students, a 1.5% increase over last year. As new housing construction gradually increases, SFB staff projects that the ADM growth rate will be moderate during the next two years before it reaches rates above 4.5% for most years in the remainder of the projection cycle, barring unforeseen major expansion of charter schools in or near the area.

New Home Occupancies (1)
Littleton Elementary District



(1) As adjusted by SFB staff. Projections are:

FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
90	240	360	500	600	700	750	800	700	4,740

S C H O O L F A C I L I T I E S B O A R D

**2015 New Construction Analysis
Littleton Elementary District
CTD – 070465
(K-8)**

District New Construction Request

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
		K-8 for 950					

Staff Notes Regarding District's Request: This project was not conceptually approved last year. The District indicated that it owns a site for a future school.

Staff Recommendation for January 7, 2015

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
							K-8 for 950 (Conceptual)

Note: The actual capacity of a 950-student K-8 school in this district is 1,097 students.

Note: NO FUNDING IS COMMITTED TO CONCEPTUALLY-APPROVED PROJECTS. ALL CONCEPTUAL PROJECTS SUBJECT TO CHANGE upon review, and have the potential to be pushed back, eliminated, or modified.

New Construction Analysis
Littleton Elementary District
K - 8

K-8	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	6,739	6,739	6,739	6,739	6,739	6,739	6,739	6,739	6,739	6,739
Total Student Capacity	6,739									
District's ADM Projections	5,177	5,400	5,600	5,800	6,050	6,350	6,600	6,900	7,300	7,600
ADM Growth Rate	3.1%	4.3%	3.7%	3.6%	4.3%	5.0%	3.9%	4.5%	5.8%	4.1%
Number of Students for which new space is required (2)								161	561	861
SFB Recommended ADM Projections	5,177	5,253	5,373	5,529	5,788	6,073	6,367	6,662	7,014	7,321
ADM Growth Rate	3.1%	1.5%	2.3%	2.9%	4.7%	4.9%	4.8%	4.6%	5.3%	4.4%
Number of Students for which new space is required (2)									276	582

- 1) See Square Footage and Capacity by School page.
- 2) Difference between ADM projections and Total Student Capacity.

ANUARY 7, 2015 STAFF RECOMMENDATION

The staff recommendation is to conceptually approve:

Project Number / Description	Grade Config.	Design Capacity	SF per Student	Square Feet	Actual Capacity	Approval FY
few school	K-8	950	92.4	87,780	1,097	FY 22

ADM Projections
Littleton Elementary District

District Provided ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	5,021	5,177	5,400	5,600	5,800	6,050	6,350	6,600	6,900	7,300	7,600
% change		3.1%	4.3%	3.7%	3.6%	4.3%	5.0%	3.9%	4.5%	5.8%	4.1%

SFB ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	5,021	5,177	5,253	5,373	5,529	5,788	6,073	6,367	6,662	7,014	7,321
% change		3.1%	1.5%	2.3%	2.9%	4.7%	4.9%	4.8%	4.6%	5.3%	4.4%

Assumptions: FY 13 and FY 14 are actual based on information received from ADE. FY 15 through FY 23 based on cohort survival and residential development.

ADM History
Littleton Elementary District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
K - 8	4,867	4,718	4,778	4,793	5,021	5,177	
% change		-3.1%	1.3%	0.3%	4.8%	3.1%	1.2%

Square Footage and Capacity by School
Littleton Elementary District

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
Littleton Elementary School	99,269	19,008	80,261	0	80,261	88.5	907
Underdown Junior High School bldgs. 1001-1006	28,238	0	28,238	0	28,238	88.5	319
District-funded addition to Underdown	39,240	39,240	0	NA	0	80.9	-
SFB-funded Collier Elementary bldg. 1001 (2)	80,342	0	80,342	NA	80,342	80.9	993
District-funded addition to Collier (3)	19,584	16,928	2,656	266	2,390	88.5	27
SFB-funded Quentin Elementary bldg. 1001 (4)	81,288	0	81,288	NA	81,288	80.9	1,005
District-funded addition to Quentin (3)	10,317	0	10,317	1,032	9,285	88.5	105
SFB-funded Country Place (5)	89,991	0	89,991	NA	89,991	80.0	1,125
District-funded addition to Country Place	410	410	0	NA	0	80.0	-
SFB-funded Estrella Vista	89,813	0	89,813	NA	89,813	80.0	1,123
District-funded replacement space at Estrella Vista (3)	1,266	0	1,266	127	1,139	88.5	13
District-funded addition to Estrella Vista	410	410	0	NA	0	80.0	-
SFB-funded Tres Rios	89,813	0	89,813	NA	89,813	80.0	1,123
District-funded addition to Tres Rios	1,105	1,105	0	NA	0	80.0	-
Total K-8	631,086	77,101	553,985	1,425	552,560		6,739

(1) Based on either the SFB Working Definition of Student Capacity or A.R.S. 15-2011 depending on the type of square footage.
(2) SFB originally approved 78,540 SF, but district reported 80,342 SF (additional square footage came in under budget, and therefore was funded by SFB also).
(3) The following spaces replace Underdown Junior High buildings 1002, 1004, and 1005:
 Collier - portion of building 1002 2,656
 Quentin - building 1002 10,317
 Estrella Vista - portion of building 1001 1,266
 Total 14,239
(4) SFB originally approved 80,203 SF, but architect was able to design 81,288 SF within budget, so additional SF was funded by SFB also.
(5) SFB originally approved 89,813 SF, but architect was able to design 89,991 SF within budget, so additional SF was funded by SFB also.

Note: SFB-funded schools are not adjusted for interior corridors.

Local Funds Report
Littleton Elementary District

12/19/2014

	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K-8 Square Footage	16,928	40,084	40,084	40,084	40,084	40,084	40,084	40,084	40,084	40,084
Building Addition (Collier) (FY 08)	695									
Addl space at Tres Rios (FY 10)	21,231									
Addl space at Underdown JH (FY 10)	410									
Addl space at Country Place (FY 12)	410									
Addl space at Tres Rios (FY 12)	410									
Addl space at Estrella Vista (FY 12)	410									
Cumulative Total	40,084	40,084	40,084	40,084	40,084	40,084	40,084	40,084	40,084	40,084
ADM Projections	5,177	5,253	5,373	5,529	5,788	6,073	6,367	6,662	7,014	7,321
x Minimum adequacy factor	80	80	80	80	80	80	80	80	80	80
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	103,541	105,050	107,464	110,581	115,759	121,460	127,348	133,231	140,288	146,426
Square Footage to be built in excess of 25% threshold (1)	0	0	0	0	0	0	0	0	0	0
Capacity of excess square footage	0	0	0	0	0	0	0	0	0	0

(1) per A.R.S. 15-2011 E.6.

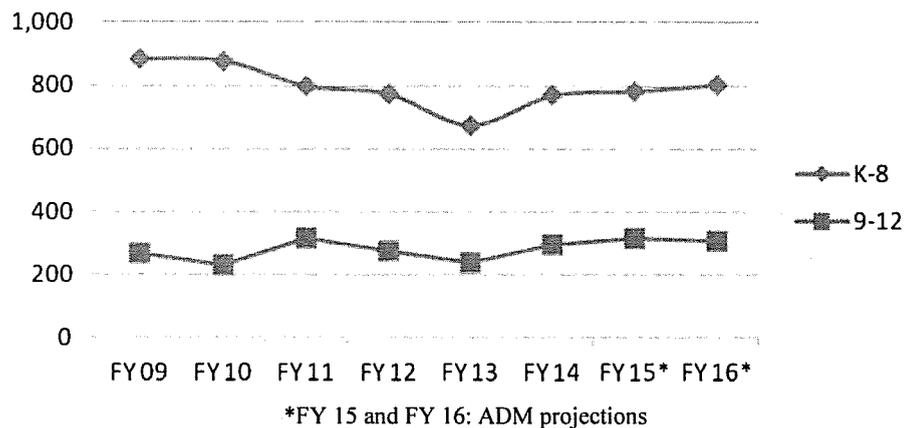
Nadaburg Unified School District

District Overview

Nadaburg is located along U.S. Highway 60 (Grand Avenue) approximately 40 miles northwest of downtown Phoenix, and about 25 miles southeast of Wickenburg. The District serves parts of Peoria and Surprise, and unincorporated county areas. It has historically been a K-8 district. Voters in the District voted to unify Nadaburg as a K-12 district in November 2006, and the change went into effect on July 1, 2007. Currently, the District has two K-8 schools, serving approximately 780 ADM, and tuitions out most of its high school students to the Wickenburg and Dysart Districts.

District ADM History

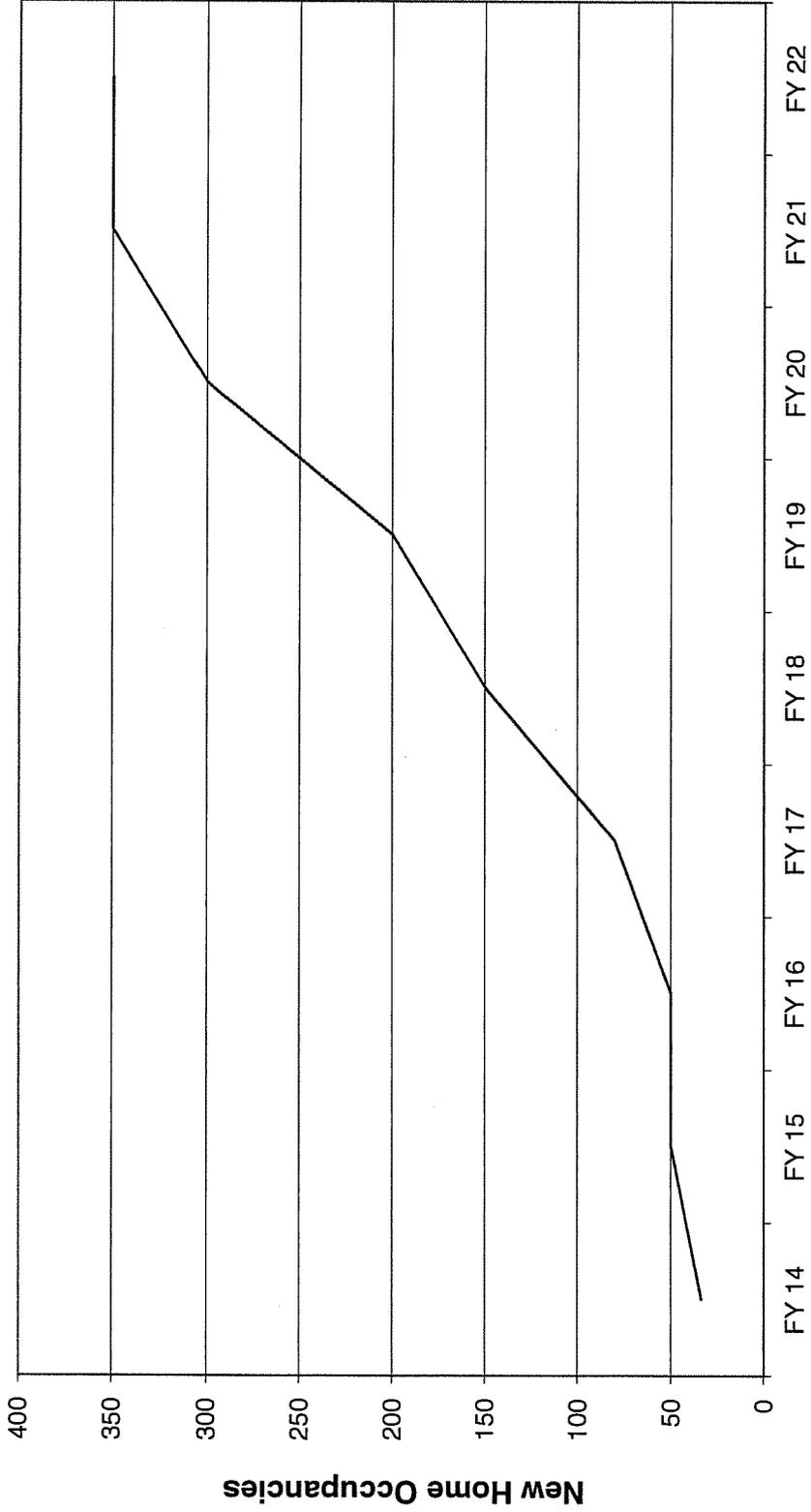
Over the past five years, ADM at the elementary level declined at an annualized rate of -2.8%. Between FY 09 and FY 14, tuitioned-out high school ADM grew at 2.0% per annum.



District Outlook

Due to its outlying location in the northern part of Maricopa County, the housing market in the area lags behind those in other parts of Maricopa County. ADM at the elementary level is forecasted to increase by 1.5% this year. At the high school level, students attended Dysart Unified through open enrollment during FY 12 – FY 13 (thus the students were counted in Dysart Unified's ADM). An agreement between the two districts went into effect in FY 14, through which Nadaburg Unified tuitions out high school students to Dysart Unified, which increased Nadaburg's high school ADM in both FY 14 (24.4%) and FY 15 (forecasted to be 19.8%). SFB staff projects moderate ADM growth at the K-12 level during the first half of the projection cycle, followed by increased growth in the approximate range of 7.5 – 9.5% per year for the latter half as a result of new housing construction.

New Home Occupancies (1)
Nadaburg Unified District



(1) As adjusted by SFB staff. Projections are:

FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
34	50	50	80	150	200	300	350	350	1,564

S C H O O L F A C I L I T I E S B O A R D

**2015 New Construction Analysis
Nadaburg Unified District
CTD – 070381
(9-12)**

District New Construction Request

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
					9-12 for 1,000 (007N) (Geographic exception)		

Staff Notes Regarding District's Request: This project was conceptually-approved last year to be approved in FY 20. The district is seeking a high school based on the geographic exception rule, which would allow the SFB to fund a high school if the district is projected to transport at least 350 high school students a minimum of 20 miles to other districts within three years, or if the district that is expected to receive the majority of the high school students is projected to need additional high school space within seven years. SFB staff projects that the district will have 350 students who meet the 20-mile requirement in FY 20; the district will need to provide data to support this request.

Staff Recommendation for January 7, 2015

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
					9-12 Geographic exception school for 1,000 students (Conceptual)		

Note: The actual capacity of a 1,000-student 9-12 school in this district would be 1,196 students.

Note: NO FUNDING IS COMMITTED TO CONCEPTUALLY-APPROVED PROJECTS. ALL CONCEPTUAL PROJECTS SUBJECT TO CHANGE upon review, and have the potential to be pushed back, eliminated, or modified.

	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)		-	-	-	-	-	-	-	-	-
Total Student Capacity	-	-	-	-	-	-	-	-	-	-
District's ADM Projections	296	NA								
ADM Growth Rate	24.4%	NA								
Number of Students for which new space is required (2)		NA								
FB Recommended ADM Projections	296	355	341	341	352	377	401	428	470	504
ADM Growth Rate	24.4%	19.8%	-3.7%	-0.2%	3.5%	6.9%	6.5%	6.6%	9.8%	7.2%
Number of Students for which new space is required (2)		355	341	341	352	377	401	428	470	504



At least 350 of which are projected to travel a minimum of 20 miles. *

- 1) See Square Footage and Capacity by School page.
- 2) Difference between ADM projections and Total Student Capacity.

ANUARY 7, 2015 STAFF RECOMMENDATION

The staff recommendation is to conceptually approve:

Project Number / Description	Grade Config.	Design Capacity	SF per Student	Square Feet	Actual Capacity	Approval FY
17N - Geographic Exception school	9-12	1,000	134	134,000	1,196	FY 20

Per Rules R7-6-302. B.2.

ADM Projections
Nadaburg Unified District

District Provided ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	676	770	850	890	940	990	1,040	1,100	1,150	1,210	1,260
% change		13.9%	10.4%	4.7%	5.6%	5.3%	5.1%	5.8%	4.5%	5.2%	4.1%
9 - 12	238	296	NA								
% change		24.4%	NA								
Total	914	1,066	NA								
% change		16.6%	NA								

SFB ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	676	770	783	804	812	819	848	915	1,012	1,105	1,209
% change		13.9%	1.7%	2.7%	1.0%	0.9%	3.5%	7.8%	10.7%	9.2%	9.4%
9 - 12	238	296	355	341	341	352	377	401	428	470	504
% change		24.4%	19.8%	-3.7%	-0.2%	3.5%	6.9%	6.5%	6.6%	9.8%	7.2%
Total	914	1,066	1,138	1,146	1,153	1,172	1,225	1,316	1,440	1,575	1,713
% change		16.6%	6.7%	0.7%	0.6%	1.6%	4.6%	7.4%	9.4%	9.4%	8.8%

Assumptions:

FY 13 and FY 14 are actual based on information received from ADE. FY 15 through FY 23 based on cohort survival and residential development.

SFB ADM Forecast - Last Year	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	676	780	818	843	860	877	910	991	1,094	1,175	1,258
% change		15.3%	4.9%	3.2%	2.0%	2.0%	3.7%	8.9%	10.4%	7.4%	7.1%
9 - 12	238	292	293	290	304	333	380	406	427	464	496
% change		22.7%	0.5%	-1.1%	4.8%	9.7%	14.1%	6.7%	5.2%	8.7%	6.9%
Total	914	1,072	1,111	1,133	1,164	1,211	1,290	1,396	1,521	1,639	1,754
% change		17.2%	3.7%	2.0%	2.7%	4.0%	6.5%	8.3%	8.9%	7.8%	7.0%

ADM History
Nadaburg Unified District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
K - 8	887	879	800	775	676	770	
% change		-0.9%	-9.0%	-3.1%	-12.7%	13.9%	-2.8%
9 - 12	268	229	317	277	238	296	
% change		-14.5%	38.0%	-12.4%	-14.2%	24.4%	2.0%
Total	1,155	1,108	1,116	1,052	914	1,066	
% change		-4.0%	0.7%	-5.8%	-13.1%	16.6%	-1.6%

Square Footage and Capacity by School
Nadaburg Unified District

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
Nadaburg Elementary School (2)	100,941	48,432	52,509	5,252	47,257	88.5	534
SFB-funded Desert Oasis	69,300	0	69,300	NA	69,300	80.9	857
Total K-8 Square Footage	170,241	48,432	121,809	5,252	116,557		1,391
<p>(1) Based on either the SFB Working Definition of Student Capacity or A.R.S. 15-2011 depending on the type of square footage. (2) Includes replacement space funded by SFB.</p>							
<p>Note: SFB-funded schools are not adjusted for interior corridors.</p>							

Local Funds Report
Nadaburg Unified District

12/19/2014

	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K-8 Square Footage	7	7	7	7	7	7	7	7	7	7
Additional SF at Desert Oasis (FY 09)	7	7	7	7	7	7	7	7	7	7
Cumulative Total	7	7	7	7	7	7	7	7	7	7
ADM Projections	770	783	804	812	819	848	915	1,012	1,105	1,209
x Minimum adequacy factor	80	80	80	80	80	80	80	80	80	80
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	15,402	15,664	16,086	16,242	16,382	16,962	18,292	20,245	22,108	24,185
Square Footage to be built in excess of 25% threshold (1)	0	0	0	0	0	0	0	0	0	0
Capacity of excess square footage	0	0	0	0	0	0	0	0	0	0

(1) per A.R.S. 15-2011 E.6.

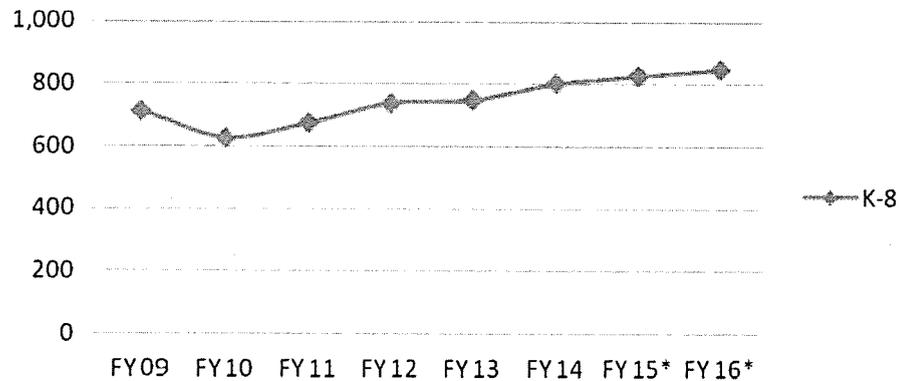
Riverside Elementary School District

District Overview

Riverside Elementary School District is located several miles southwest of downtown Phoenix, serving part of southwest Phoenix. The District currently has one elementary school (K-4) and one intermediate school (5-8), serving approximately 800 ADM.

District ADM History

Following a surge between FY 01 and FY 06, the ADM growth slowed down. During FY 09 and FY 10, ADM experienced steep declines of more than 10% per year. It rebounded in the following four years. The annualized ADM growth rate over the past five years was 2.3%.

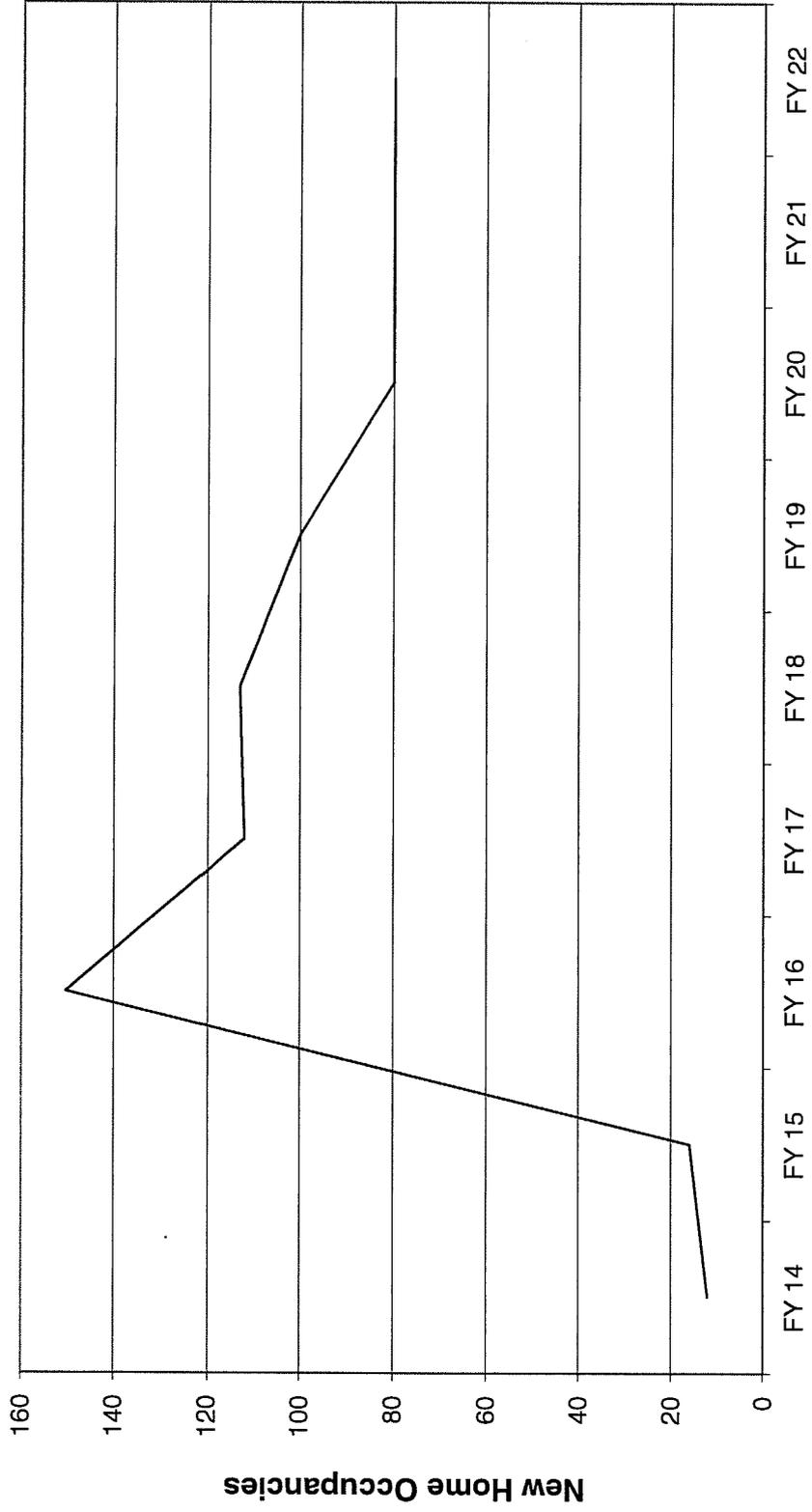


*FY 15 and FY 16: ADM projections

District Outlook

The exodus of population during FY 09 and FY 10 created a high vacancy rate in the school district, and residential housing construction did not take place during FY 10 – FY 14, according to data received by SFB staff. However, ADM has consistently grown for the last four years which is attributed to the absorption of vacant housing units and recruitment efforts by the District. For the current year, ADM is forecasted to increase by 5.9%. SFB staff projects that new housing development starting in FY 16 will elevate the District's ADM during FY 17 – FY 20, but ADM is not projected to exceed the District's student capacity. For the remaining years of the projection period, the rates will be more subdued unless substantial housing construction takes place.

New Home Occupancies (1)
Riverside Elementary District



(1) As adjusted by SFB staff. Projections are:

FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
12	16	150	112	113	100	80	80	80	743

S C H O O L F A C I L I T I E S B O A R D

**2015 New Construction Analysis
Riverside Elementary District
CTD – 070402
(K-8)**

District New Construction Request

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
	New school for 600 students						

Staff Notes Regarding District's Request: This project was not conceptually approved last year. The District indicated that it already owns land for this project.

Staff Recommendation for January 7, 2015

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
	No conceptual approval						

K-8	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	1,188	1,188	1,188	1,188	1,188	1,188	1,188	1,188	1,188	1,188
Total Student Capacity	1,188									
District's ADM Projections	802	810	1,207	1,432	1,707	1,732	1,757	1,782	1,807	1,832
ADM Growth Rate	7.0%	1.0%	49.0%	18.6%	19.2%	1.5%	1.4%	1.4%	1.4%	1.4%
Number of Students for which new space is required (2)		-	19	244	519	544	569	594	619	644
SFB Recommended ADM Projections	802	849	872	959	986	1,047	1,107	1,139	1,159	1,176
ADM Growth Rate	7.0%	5.9%	2.7%	10.0%	2.8%	6.1%	5.8%	2.9%	1.7%	1.5%
Number of Students for which new space is required (2)		-	-	-	-	-	-	-	-	-

(1) See Square Footage and Capacity by School page.
 (2) Difference between ADM projections and Total Student Capacity.

JANUARY 7, 2015 STAFF RECOMMENDATION

No conceptual approval.

ADM Projections
Riverside Elementary District

District Provided ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	749	802	810	1,207	1,432	1,707	1,732	1,757	1,782	1,807	1,832
% change		7.0%	1.0%	49.0%	18.6%	19.2%	1.5%	1.4%	1.4%	1.4%	1.4%

SFB ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	749	802	849	872	959	986	1,047	1,107	1,139	1,159	1,176
% change		7.0%	5.9%	2.7%	10.0%	2.8%	6.1%	5.8%	2.9%	1.7%	1.5%

Assumptions:

FY 13 and FY 14 are actual based on information received from ADE. FY 15 through FY 23 based on cohort survival and residential development.

SFB ADM Forecast - Last Year	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	749	806	840	876	950	994	1,052	1,088	1,125	1,141	1,147
% change		7.6%	4.2%	4.3%	8.5%	4.6%	5.8%	3.4%	3.4%	1.4%	0.5%

ADM History
Riverside Elementary District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
K - 8	714	627	675	740	749	802	
% change		-12.2%	7.6%	9.5%	1.3%	7.0%	2.3%

Square Footage and Capacity by School
Riverside Elementary District

School	Gross Area		Excluded Area		Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
	Area		Area						
Riverside Traditional School (excluding bldgs. 1008-1009) (2)	63,907		33,517		30,390	1,350	29,040	88.5	328
SFB-funded bldgs. 1008 and 1009 at Riverside Traditional (3)	26,849		0		26,849	NA	26,849	80.9	332
SFB-funded King's Ridge School (2)	89,112		46,362		42,750	NA	42,750	80.9	528
Total K-8	179,868		79,879		99,989	1,350	98,639		1,188
<p>(1) Based on either the SFB Working Definition of Student Capacity or A.R.S. 15-2011 depending on the type of square footage.</p> <p>(2) Excluded square footage was funded by district with B Bonds which were approved prior to June 30, 2002. Therefore, 25% threshold calculation is not necessary per A.R.S. 15-2011 E.6., and the entire amount is excludable.</p> <p>(3) SFB approval was for 26,750 SF, but district reported 26,849 SF actually built (within SFB budget).</p>									
<p>Note: SFB-funded schools are not adjusted for interior corridors.</p>									

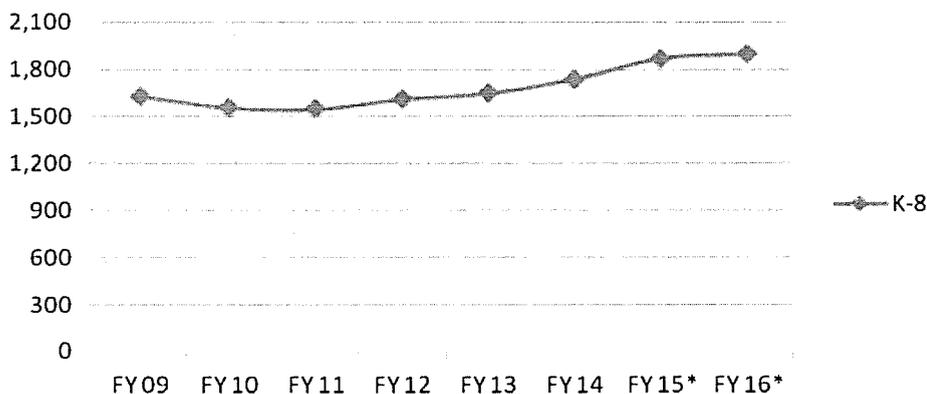
Union Elementary School District

District Overview

Union Elementary School District is located in Tolleson, about 25 miles west of downtown Phoenix. The District also covers some unincorporated areas between the cities of Phoenix and Avondale. The District currently has three schools (K-8) with an ADM over 1,850.

District ADM History

Between FY 02 and FY 08, ADM grew from less than 90 to over 1,650, sometimes more than doubling its size within one year. That made Union Elementary one of the fastest growing districts in the state. The growth, however, turned negative in FY 09, and the decline continued into FY 10 and FY 11 before the ADM began to rebound in FY 12. The annualized growth rate for the past five years was 1.3%.

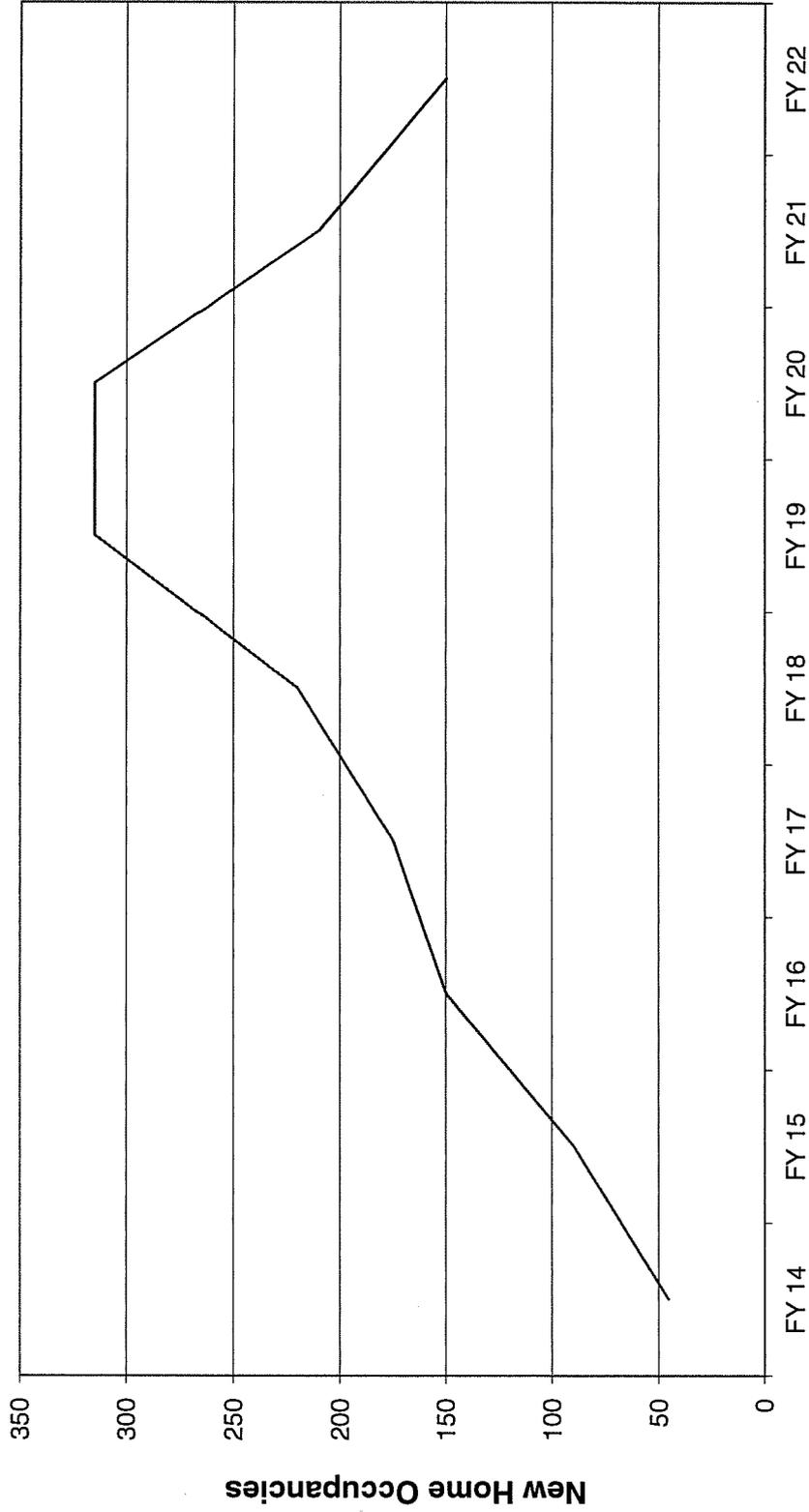


*FY 15 and FY 16: ADM projections

District Outlook

At the peak of the housing market boom in 2005 and 2006, the District saw an average of more than 1,000 residential units completed each year. That number was 0 in FY 10 and FY 11, and 46 in FY 14, according to data received by SFB staff. Residential construction is expected to increase in FY 15 and beyond. ADM is forecasted to increase 7.5% this year. SFB staff projects that ADM will continue to grow as the housing market improves. During the middle part of the projection cycle, growth rates will likely be in the upper single digits due to an increase in new housing construction.

New Home Occupancies (1)
Union Elementary District



(1) As adjusted by SFB staff. Projections are:

FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
46	90	150	175	220	315	315	210	150	1,671

S C H O O L F A C I L I T I E S B O A R D

**2015 New Construction Analysis
Union Elementary District
CTD – 070462
(K-8)**

District New Construction Request

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
				K-8 for 800 (007N)	K-8 for 800		

Staff Notes Regarding District's Request: Project 007N was conceptually approved last year to open in FY 20. The SFB has approved a site for a future school.

Staff Recommendation for January 7, 2015

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
						K-8 for 800 (007N) (Conceptual)	

Note: The actual capacity of project 007N would be 914 students.

Note: NO FUNDING IS COMMITTED TO CONCEPTUALLY-APPROVED PROJECTS. ALL CONCEPTUAL PROJECTS SUBJECT TO CHANGE upon review, and have the potential to be pushed back, eliminated, or modified.

New Construction Analysis
Union Elementary District
K - 8

8	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	2,378	2,378	2,378	2,378	2,378	2,378	2,378	2,378	2,378	2,378
Maximal Student Capacity	2,378	2,378	2,378	2,378	2,378	2,378	2,378	2,378	2,378	2,378
strict's ADM Projections	1,740	1,828	1,925	2,125	2,225	2,375	2,375	2,475	2,575	2,675
ADM Growth Rate	5.4%	5.0%	5.3%	10.4%	4.7%	6.7%	0.0%	4.2%	4.0%	3.9%
Number of Students for which new space is required (2)								97	197	297
FB Recommended ADM Projections	1,740	1,871	1,901	1,965	2,046	2,181	2,344	2,475	2,563	2,608
ADM Growth Rate	5.4%	7.5%	1.6%	3.4%	4.1%	6.6%	7.5%	5.6%	3.6%	1.7%
Number of Students for which new space is required (2)								97	185	230

- See Square Footage and Capacity by School page.
- Difference between ADM projections and Total Student Capacity.

NUARY 7, 2015 STAFF RECOMMENDATION

The staff recommendation is to conceptually approve:

Project Number / Description	Grade Config.	Design Capacity	SF per Student	Square Feet	Actual Capacity	Approval FY
7N - New school	K-8	800	92.4	73,920	914	FY 21

ADM Projections
Union Elementary District

District Provided ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	1,651	1,740	1,828	1,925	2,125	2,225	2,375	2,375	2,475	2,575	2,675
% change		5.4%	5.0%	5.3%	10.4%	4.7%	6.7%	0.0%	4.2%	4.0%	3.9%

SFB ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	1,651	1,740	1,871	1,901	1,965	2,046	2,181	2,344	2,475	2,563	2,608
% change		5.4%	7.5%	1.6%	3.4%	4.1%	6.6%	7.5%	5.6%	3.6%	1.7%

Assumptions: FY 13 and FY 14 are actual based on information received from ADE. FY 15 through FY 23 based on cohort survival and residential development.

SFB ADM Forecast - Last Year	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	1,651	1,733	1,808	1,891	1,998	2,141	2,327	2,509	2,601	2,694	2,799
% change		5.0%	4.3%	4.6%	5.7%	7.2%	8.7%	7.8%	3.7%	3.6%	3.9%

ADM History
 Union Elementary District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
K - 8	1,632	1,559	1,550	1,612	1,651	1,740	
% change		-4.4%	-0.6%	4.0%	2.4%	5.4%	1.3%

Square Footage and Capacity by School
Union Elementary District

School	Gross Area	Excluded Area	Net Area	IC		Divisor (1)	Capacity
				Deduct	Net of IC		
Union Elementary School Replacement (2)	26,000	0	26,000	0	26,000	88.5	294
SFB-funded buildout of replacement school	20,200	0	20,200	NA	20,200	80.9	250
SFB-funded Hurley Ranch School (3)	74,489	0	74,489	NA	74,489	80.9	921
SFB-funded Dos Rios	74,320	400	73,920	NA	73,920	80.9	914
Total K-8	195,009	400	194,609	0	194,609		2,378

(1) Based on either the SFB Working Definition of Student Capacity or A.R.S. 15-2011 depending on the type of square footage.

(2) The old school was replaced by SFB with 26,000 SF which opened in FY 02.

(3) This project was originally approved for 73,920 SF. Designs showed 74,501 to be built within SFB budget. District reported 74,489 square feet actually built within SFB budget.

Note: Non-replacement space funded by SFB is not adjusted for interior corridors.

Local Funds Report
 Union Elementary District

12/19/2014

	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
-8 Square Footage	400	400	400	400	400	400	400	400	400	400
Additional SF at Dos Rios (FY 08)	400									
Cumulative Total	400	400	400	400	400	400	400	400	400	400
DM Projections	1,740	1,871	1,901	1,965	2,046	2,181	2,344	2,475	2,563	2,608
Minimum adequacy factor	80	80	80	80	80	80	80	80	80	80
25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
5% Threshold	34,806	37,428	38,022	39,302	40,914	43,613	46,882	49,496	51,269	52,158
square Footage to be built in excess of 25% threshold (1)		0	0	0	0	0	0	0	0	0
Capacity of excess square footage		0	0	0	0	0	0	0	0	0

1) per A.R.S. 15-2011 E.6.

STATE OF ARIZONA
SCHOOL FACILITIES BOARD

Meeting Date: January 7, 2015

Agenda Item IV.b.

Subject: IV. New School Construction

b. Consideration and possible vote to accept, reject or modify the New Construction Project Review for:

Benson Unified

Background

A.R.S. 15-2041 D.7. states: "A school district shall qualify for monies from the new school facilities fund in a fiscal year only if the school facilities board has approved or revised its enrollment projection under paragraph 3 of this subsection on or before March 1 of the prior fiscal year."

On December 10, 2014, the Board awarded a new school to Benson Unified with a formula budget of \$2,349,185. Staff requests that the Board revise its motion to note that funding will not be available until sufficient funds are available in the new school facilities fund.

In addition, staff estimates land costs to be \$825,000 (16.5 acres at \$50,000 per acre) and excess site conditions (i.e. wastewater treatment plant, septic system, soil cleanup, etc.) to be \$250,000.

Staff Recommendation

1. Staff recommends revising the December 10, 2014 motion as follows:

Benson Unified (K-4): Approve a K-4 school for 191 students. NOTE: FUNDING WILL NOT BE AVAILABLE UNTIL SUFFICIENT FUNDS ARE AVAILABLE IN THE NEW SCHOOL FACILITIES FUND.

2. Award Benson USD \$825,000 for estimated land costs. **Note: Funding will not be available until sufficient funds are available in the New School Facilities Fund.**

3. Award Benson USD \$250,000 for excess site conditions. **Note: Funding will not be available until sufficient funds are available in the New School Facilities Fund.**

Board Action Requested: [] information [X] action / described below

1. Board approval of the revised December 10, 2014 motion as follows:

Benson Unified (K-4): Approve a K-4 school for 191 students. **NOTE: FUNDING WILL NOT BE AVAILABLE UNTIL SUFFICIENT FUNDS ARE AVAILABLE IN THE NEW SCHOOL FACILITIES FUND.**

2. Board approval to award Benson USD \$825,000 for estimated land costs. **Note: Funding will not be available until sufficient funds are available in the New School Facilities Fund.**

3. Board approval to award Benson USD \$250,000 for excess site conditions. **Note: Funding will not be available until sufficient funds are available in the New School Facilities Fund.**

Attachments: Yes [X] No []

SCHOOL FACILITIES BOARD

SFB NCSFD-511-99

NEW CONSTRUCTION

Detail of Additional Cost and Contingency

X New School Facilities Fund

District: **Benson Unified**
 Project Number: **020209000-9999-001N**
 Board Approval Date: **12/10/14**

Cochise Co.

Grade Configuration: **K-4 Elementary School**
 Student Capacity: **191**
 SFB-approved SF: **17,190**

	Staff Rec. or Approved
SFB Previously-Approved Amount:	\$ 2,349,185
Estimated Land Costs ①	\$ 825,000
Estimated Additional Funding for Excess Site Conditions:	\$ 250,000
Total Estimated Project Cost:	\$ 3,424,185

① 16.5 acres at \$50,000 per acre.

**Building Renewal Grants
January 5, 2015**

FY 2009 Appropriation	\$20,000,000
FY 2009 Sweep	(\$13,000,000)
FY 2010 Appropriation	\$3,000,000
FY 2010 Sweep	(\$332,100)
FY 2011 Appropriation	\$2,667,900
FY 2012 Appropriation	\$2,667,900
FY 2012 Supplemental Appropriation	\$11,500,000
FY 2013 Appropriation	\$2,667,900
FY 2014 Appropriation	\$16,667,900
FY 2015 Appropriation	\$16,667,900
Total Available	\$62,507,400
Project Awards to Date *	(\$55,765,184)
Balance **	\$6,742,216
January 7, 2015 Awards	(\$1,461,609)
Balance **	\$5,280,607

The Board has awarded 666 projects.

47 projects are in design

253 projects are in construction

366 projects are complete

* Includes projects authorized by Executive Director and presented to Board for ratification 1/7/15.

** Includes savings from projects closed out since last Board meeting (listed below).

District	Project No.	Scope	Award	Amount Expended	Remaining Balance
Antelope UHSD 004	004	Roofing	\$36,500	\$23,060	\$13,440
Canon ESD	004	Fire alarm	\$72,000	\$66,818	\$5,182
Colorado River UHSD 011	011	Plumbing	\$8,641	\$8,163	\$478
Colorado River UHSD 012	012	Plumbing	\$2,000	\$1,776	\$224
Colorado River UHSD 015	015	Plumbing	\$13,793	\$13,719	\$74
Coolidge USD 012	012	HVAC	\$20,000	\$15,914	\$4,086
Flagstaff USD 005	005	HVAC	\$125,000	\$116,875	\$8,125
Kirkland ESD 004	004	Surfaces	\$11,000	\$6,710	\$4,290
Kirkland ESD AWARDED BY	003	Special equipment	\$18,000	\$12,769	\$5,231
Kyrene ESD 001	001	HVAC	\$52,949	\$38,612	\$14,337
Kyrene ESD 002	002	HVAC	\$52,949	\$37,296	\$15,653
Kyrene ESD 003	003	HVAC	\$107,225	\$37,488	\$69,737
Lake Havasu 007 USD	007	Fire alarm	\$5,000	\$2,843	\$2,157
McNary ESD 002	002	HVAC	\$7,000	\$6,156	\$844
Red Mesa USD 001	001	HVAC	\$11,793	\$11,793	\$0
Saddle Mountain USD 002	002	HVAC	\$11,500	\$9,629	\$1,871
St. David USD	004	HVAC	\$11,740	\$10,740	\$1,000
St. David USD 007 AWARDED	007	HVAC	\$3,500	\$3,031	\$469
Tolleson ESD 008 AWARDED	008	Plumbing	\$6,000	\$5,447	\$553
Tolleson ESD 009 AWARDED	009	HVAC	\$11,000	\$7,806	\$3,194
Tucson USD 001	001	HVAC	\$260,000	\$256,928	\$3,072
					\$154,016

**STATE OF ARIZONA
SCHOOL FACILITIES BOARD**

Meeting date: January 7, 2015

Agenda Item V.a.

Subject: V. Building Renewal Grant Requests

- a. **Consideration and possible vote to ratify the Executive Director's awards of Building Renewal Grant funds as authorized by the Building Renewal Grant Policy IX.C. (up to \$50,000 for project award)**

**Colorado River Union
Coolidge Unified
Lake Havasu Unified
Palo Verde Elementary
Scottsdale Unified
Show Low Unified
St David Unified
Superior Unified**

Background – Colorado River Union (River Valley HS – replace water heater)

Colorado River Union has submitted a Building Renewal Grant request to replace the water heater in the gymnasium Building 1009 at River Valley High School (project number 080502002-1009-019BRG).

Colorado River Union, located in Bullhead City, 269 miles northwest of Phoenix, has two high schools. River Valley High School is comprised of eleven buildings constructed between 1992 and 2008, totaling 164,294 square feet. Building 1009 was built in 2007, totaling 23,142 square feet.

The district received proposals for the water heater replacement; the lowest was \$9,778.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Colorado River Union (River Valley HS – replace water heater)

Staff recommends that Colorado River Union be awarded \$10,278 in Building Renewal Grant funding to replace the water heater in the gymnasium Building 1009 at River Valley High School (project number 080502002-1009-019BRG). This includes \$500 in contingency that will only be used with SFB staff approval.

Background - Coolidge Unified (Mountain Vista ES – replace heat strips)

Coolidge Unified has submitted a Building Renewal Grant request to replace the failed HVAC heat strips on two units serving the gymnasium Building 1004 at Mountain Vista Elementary School (project number 110221009-1004-014BRG).

Coolidge Unified, located 50 miles southeast of Phoenix, has ten schools. Mountain Vista Elementary School is comprised of six buildings constructed in 2007, totaling 74,785 square feet. Building 1004 totals 9,372 square feet.

The district received proposals for the new heat strips; the lowest was \$6,242.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Coolidge Unified (Mountain Vista ES – replace heat strips)

Staff recommends that Coolidge Unified be awarded \$6,742 in Building Renewal Grant funding to replace the two HVAC unit heating strips serving the gymnasium Building 1004 at Mountain Vista Elementary School (project number 110221009-1004-014BRG). This includes \$500 in contingency that will only be used with SFB staff approval.

Background – Lake Havasu Unified (Lake Havasu HS – replace fan coil unit)

Lake Havasu Unified has submitted a Building Renewal Grant request to replace a fan coil unit in Building 1003 at Lake Havasu High School (project number 080201207-1003-011BRG).

Lake Havasu Unified, located 185 miles northwest of Phoenix along the Colorado River, has nine schools. Lake Havasu High School is comprised of ten buildings constructed between 1969 and 2003, totaling 272,074 square feet. Building 1003 was built in 1981, totaling 46,170 square feet.

The district received proposals for the replacement fan coil unit; the lowest was \$3,679.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation - Lake Havasu Unified (Lake Havasu HS – replace fan coil unit)

Staff recommends that Lake Havasu Unified be awarded \$4,679 in Building Renewal Grant funding to replace a fan coil unit in Building 1003 at Lake Havasu High School (project number 080201207-1003-011BRG). This includes \$1,000 in contingency that will only be used with SFB staff approval.

Background – Palo Verde Elementary (Palo Verde ES – replace septic lift station pumps)

Palo Verde Elementary submitted a Building Renewal Grant request to replace the two failed septic lift station pumps at Palo Verde Elementary School (project number 070449101-9999-008BRG).

Palo Verde Elementary, located 45 miles west of Phoenix, has one school. Palo Verde Elementary School is comprised of eighteen buildings constructed between 1955 and 2012, totaling 66,790 square feet.

The district received proposals for the pump replacement; the lowest was \$8,258.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Palo Verde Elementary (Palo Verde ES – replace septic lift station pumps)

Staff recommends that Palo Verde Elementary be awarded \$8,758 in Building Renewal Grant funding to replace the two septic lift station pumps at Palo Verde Elementary School (project number 070449101-9999-008BRG). This includes \$500 in contingency that will only be used with SFB staff approval.

Background – Scottsdale Unified (Supai MS – replace water heater)

Scottsdale Unified has submitted a Building Renewal Grant request for the replacement of a 30-gallon commercial water heater serving Building 1018 at Supai Middle School (project number 070248161-1018-027BRG).

Scottsdale Unified has 34 schools. Supai Middle School is comprised of sixteen buildings constructed between 1971 and 2013, totaling 116,352 square feet. Building 1018 was built in 2003, totaling 12,529 square feet.

The district received proposals for the water heater replacement; the lowest was \$3,698. The district will provide the labor for the installation.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Scottsdale Unified (Supai MS – replace water heater)

Staff recommends that Scottsdale Unified be awarded \$4,198 in Building Renewal Grant funding for the replacement of a 30-gallon commercial water heater in Building 1018 at Supai Middle School (project number 070248161-1018-027BRG). This includes \$500 in contingency that will only be used with SFB staff approval.

Background – Show Low Unified (White Mountain Institute – repair fire sprinkler system)

Show Low Unified has submitted a Building Renewal Grant request to repair the fire sprinkler system in Building 1006 at White Mountain Institute (project number 090210012-1006-003BRG).

Show Low Unified, located 178 miles northeast of Phoenix in the White Mountains, has eight schools. White Mountain Institute is comprised of six buildings constructed between 1965 and 2004, totaling 21,134 square feet. Building 1006 was built in 2004, totaling 14,454 square feet.

The fire sprinkler system needs to be flushed and repaired. This cannot be done by district personnel. The district received proposals for the repair; the lowest was \$6,223.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Show Low Unified (White Mountain Institute – repair fire sprinkler system)

Staff recommends that Show Low Unified be awarded \$6,723 in Building Renewal Grant funding to repair the fire sprinkler system in Building 1006 at White Mountain Institute (project number 090210012-1006-003BRG). This includes \$500 in contingency that will only be used with SFB staff approval.

Background – St. David Unified (St. David HS – repair HVAC unit)

St. David Unified has submitted a Building Renewal Grant request to repair a HVAC unit for in Building 1011 at St. David High School (project number 020221202-1011-010BRG).

St. David Unified, located 170 miles southeast of Phoenix, has two schools. St. David High School is comprised of nine buildings constructed between 1965 and 2000, totaling 56,514 square feet. Building 1011 was built in 2000, totaling 17,144 square feet.

The district requested proposals for the replacement of a reversing valve and coil; the lowest was \$834.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – St. David Unified (St. David HS – repair HVAC unit)

Staff recommends that St. David Unified be awarded \$1,000 in Building Renewal Grant funding to repair a HVAC unit in Building 1011 at St. David High School (project number 020221202-1011-010BRG). This includes \$166 in contingency that will only be used with SFB staff approval.

Background – Superior Unified (Superior HS – replace intercom system)

Superior Unified has submitted a Building Renewal Grant request to replace the intercom system in Building 1002 at Superior High School (project number 110215205-9999-008BRG).

Superior Unified, located 65 miles east of Phoenix, has two schools. Superior High School is comprised of three buildings constructed between 1925 and 2001, totaling 102,850 square feet.

The existing intercom system has failed. Replacement parts are not available. The district received proposals for the replacement; the lowest was \$9,840.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Superior Unified (Superior HS – replace intercom system)

Staff recommends that Superior Unified be awarded \$10,840 in Building Renewal Grant funding to replace the intercom system in Building 1002 at Superior High School (project number 110215205-9999-008BRG). This includes \$1,000 in contingency that will only be used with SFB staff approval.

Board Action Requested: [] information [X] action / described below

1. Board ratification that **Colorado River Union** be awarded \$10,278 in Building Renewal Grant funding to replace the water heater in the gymnasium Building 1009 at River Valley High School (project number 080502002-1009-019BRG). This includes \$500 in contingency that will only be used with SFB staff approval.
2. Board ratification that **Coolidge Unified** be awarded \$6,742 in Building Renewal Grant funding to replace the two HVAC unit heating strips serving the gymnasium Building 1004 at Mountain Vista Elementary School (project number 110221009-1004-014BRG). This includes \$500 in contingency that will only be used with SFB staff approval.
3. Board ratification that **Lake Havasu Unified** be awarded \$4,679 in Building Renewal Grant funding to replace a fan coil unit in Building 1003 at Lake Havasu High School (project number 080201207-1003-011BRG). This includes \$1,000 in contingency that will only be used with SFB staff approval.
4. Board ratification that **Palo Verde Elementary** be awarded \$8,758 in Building Renewal Grant funding to replace the two septic lift station pumps at Palo Verde Elementary School (project number 070449101-9999-008BRG). This includes \$500 in contingency that will only be used with SFB staff approval.
5. Board ratification that **Scottsdale Unified** be awarded \$4,198 in Building Renewal Grant funding for the replacement of a 30-gallon commercial water heater in Building 1018 at Supai Middle School (project number 070248161-1018-027BRG). This includes \$500 in contingency that will only be used with SFB staff approval.
6. Board ratification that **Show Low Unified** be awarded \$6,723 in Building Renewal Grant funding to repair the fire sprinkler system in Building 1006 at White Mountain Institute (project number 090210012-1006-003BRG). This includes \$500 in contingency that will only be used with SFB staff approval.
7. Board ratification that **St. David Unified** be awarded \$1,000 in Building Renewal Grant funding to repair a HVAC unit in Building 1011 at St. David High School (project number 020221202-1011-010BRG). This includes \$166 in contingency that will only be used with SFB staff approval.
8. Board ratification that **Superior Unified** be awarded \$10,840 in Building Renewal Grant funding to replace the intercom system in Building 1002 at Superior High School (project number 110215205-9999-008BRG). This includes \$1,000 in contingency that will only be used with SFB staff approval.

Attachments: Yes [X] No []

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Colorado River Union**
 BRG Project Number: **080502002-1009-019BRG** Mohave County
 Project Description: **Replace water heater**
 Architect of Record: **n/a**
 Contractor: **Marco's M.A.M. Plumbing and Repair (928-763-8270)**
 Executive Authority: **12/11/2014**
 Board ratification: **1/7/2015**

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost	\$ 9,778
Contingency ①	\$ 500
Architecture / Engineering (A&E)	\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection	\$ -
Total Additional Cost:	\$ -
Total SFB Funded Project Cost:	\$ 10,278
District Share (Local Funds):	\$ -
SFB Board Approved Amount:	\$ 10,278
Total Project Cost:	\$ 10,278

① Contingency shall only be used with SFB staff approval

Building Renewal Grant Application

Initial Submission Date: 12/11/2014 7:05:17 AM

Application ID: 1717

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Colorado River Union High School District
Superintendent: Riley Frei
Contact Person: John wawrzynek
Contact Phone Number: 928-444-7529
Contact Email: jwawrzynek@bullheadschoools.com
School Site: River Valley High School
Buildings: 1009 Practice Gym

Application Title: Leaking water heater

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

Hot Water Heater is leaking from the bottom of the tank. See attached quote.

Project Category: Plumbing

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

N/A

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139

Riley Frei
Superintendent Printed Name

Superintendent Signature

12/11/14
Date

Marco's M.A.M. Plumbing & Repair
 4060 Infantry
 Fort Mojave, AZ 86426

QUOTATION

Quote Number: 190
 Quote Date: Dec 5, 2014
 Page: 1

AZ Registrar of Contractors
 #154491 License: K37

Voice: 928-763-8270
 Fax: 928-758-6764

Quoted To:
Colorado River Union High School #2 PO box 21479 BULLHEAD CITY, AZ 86439

Customer ID	Good Thru	Payment Terms	Job Address
CRUHS	1/4/15	Net 30 Days	Address Above

Quantity	Description	Unit Price	Amount
1.00	IN RIVER VALLEY'S OLD GYM: QUOTE TO INSTALL 100 GALLON, 199,000 btu AMERICAN STANDARD WATER HEATER. PLUMBER WILL REPLACE 2" COPPER LINE AS NEEDED; PER CODE PLUMBING SERVICE -- MATERIAL AND LABOR	9,360.00	9,360.00

Handwritten notes:
 \$10,278 EX APPROVAL
 INCL \$500 COST
 12.11.14 D

Subtotal	9,360.00
Sales Tax	417.36
TOTAL	9,777.36

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Coolidge Unified**
 BRG Project Number: **110221009-1004-014BRG** Pinal County
 Project Description: **Replace heat strips**
 Architect of Record: **n/a**
 Contractor: **Pueblo Mechanical & Controls, Inc. (520-545-1044)**
 Executive Authority: **12/5/2014**
 Board ratification: **1/7/2015**

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost: (cost estimate provided by architect or contractor)	\$ 6,242
Contingency ①	\$ 500
Additional Cost:	
Architecture / Engineering (A&E) Fees	\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection	\$ -
Total Additional Cost:	\$ -
Total SFB Funded Project Cost:	\$ 6,742
District or Local Funds:	\$ -
SFB Board Approved Amount:	\$ 6,742
Total Project Cost:	\$ 6,742

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 12/3/2014 7:41:24 AM

Application ID: 1690

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Coolidge Unified District
Superintendent: CHARIE WALLACE
Contact Person: MICHAEL SCHMITT
Contact Phone Number: 520-723-2068
Contact Email: MICHAEL.SCHMITT@COOLIDGESCHOOLS.ORG
School Site: Mountain Vista
Buildings: 1004 Building D

Application Title: REPLACE FAILED HEAT STRIPS ON MVMS GYMNASIUM

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

During routing preventative maintenance inspection district technician located failed heat strips in two packed units located on MVMS gymnasium

Project Category: HVAC

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

heat strips not covered by insurance

Liaison: Cruse

pcruse@azsfb.gov

602-364-1193

Charie Wallace
Superintendent Printed Name

Charie Wallace
Superintendent Signature

12-3-14
Date

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Lake Havasu Unified**
 Project Number: **080201207-1003-011BRG** Mohave County
 Project Description: **Replace fan coil unit**
 Architect of Record: **n/a**
 Contractor: **Mercury Air Conditioning and Heating, Inc. (928-854-4101)**
 Executive Authority: **12/8/2014**
 Board Approval: **1/7/2015**

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost	\$ 3,679
Contingency ①	\$ 1,000
Architecture / Engineering (A&E)	\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection (structural and geo-tech)	\$ -
Total Additional Cost:	\$ -
Total SFB Funded Project Cost:	\$ 4,679
District Share (Local Funds):	\$ -
SFB Board Approved Amount:	\$ 4,679
Total Project Cost:	\$ 4,679

① Contingency may only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 12/3/2014 9:11:52 AM

Application ID: 1696

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Lake Havasu Unified District
Superintendent: Gail Malay
Contact Person: John Simpson
Contact Phone Number: 928-208-6457
Contact Email: jsimpson@havasuk12.az.us
School Site: Lake Havasu High School
Buildings: 1003 C

Application Title: Fan Coil C-Hall #118

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

Fan Coil has failed (cracked) 40+ years

Project Category: HVAC

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

The district no insurance to cover this repair

Liaison: Breuer gbreuer@azsfb.gov 602-542-6139

Gail Malay
Superintendent Printed Name

Gail Malay
Superintendent Signature

12/3/14
Date



License #K-39 198167
1205 Countryside Ave #12
Lake Havasu City, AZ 86403
Bus 928-854-1101 Fax 928-854-1444

November 24, 2014
Lake Havasu High School
Chiller Coil Replacement

This proposal is to remove and replace existing 4 pipe coil in air handler located above T-bar. Disconnected and reconnected all hot water and chilled water lines, reusing all existing controls. Proposal includes all labor and materials necessary for proper installation. This coil has a 36 day build time then a 5-7 day allotment for shipping.

Total including tax.....\$3,678.50.....

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above proposal will be executed upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our normal Our workers are fully covered by Workman's Compensation Insurance.

The above price, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do work as specified. Payment will be made as outlined above.

Signature: _____ Date of Acceptance: _____

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Palo Verde Elementary**
 BRG Project Number: **070449101-9999-008BRG**
 Project Description: **Replace septic lift station pumps**
 Architect: **n/a**
 Contractor: **Septic Technologies, Inc. (623-932-3464)**
 Executive Authority: **12/11/2014**
 Board Approval Date: **1/7/2015**

Maricopa County

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost	\$ 8,258
Contingency ①	\$ 500
Architecture / Engineering (A&E) Fees	\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection	\$ -
Total Additional Cost:	\$ -
Total SFB Funded Project Cost:	\$ 8,758
District Share (Local Funds):	\$ -
SFB Board Approved Amount:	\$ 8,758
Total Project Cost:	\$ 8,758

① Contingency may only be used with SFB staff approval.

Building Renewal Grant Application

Application ID: 1721

Initial Submission Date: 12/11/2014 11:05:23 AM

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Palo Verde Elementary District
Superintendent: Robert Aldridge
Contact Person: Jerry Derwin
Contact Phone Number: 623-606-2084
Contact Email: jderwin@pvesd.org
School Site: Palo Verde Elementary School
Buildings: 9999 School Wide

Application Title: Septic Lift Station

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

Our septic lift station is completely out of service. It has 2 pumps and both are out.

Project Category: Special Systems

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

This is the main lift system for the septic. it is completely out of service.

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139

Robert Aldridge
Superintendent Printed Name

Robert Aldridge
Superintendent Signature

12-15-14
Date

SEPTIC TECHNOLOGIES, INC.

2009 South Cotton Lane
Goodyear, Arizona 85338
(623)932-3464
Fax (623)932-3484

ROC: 166968

December 11, 2014

Property: Palo Verde School
10700 S. Palo Verde Rd.
Palo Verde AZ 85343

Re: Repair Effluent Lift Station

Pump Truck Service / Troubleshoot

Attempt to remove pump-broken ¼ piping. Attempted to swap pump plumbing to operational pump, worked for apx. 10-15 minutes & then stopped (Kicked breaker). Disconnected at electrical junction box & confirmed 240 volts at box (2nd pump no good). System non-operational (pumps & plumbing).

\$1247.50

Replace 2 Goulds Effluent Pumps Model #WE0512HH & replumb with schedule 80 PVC type & stainless chains to pumps.

\$5950.00

Pump down for repairs @ \$265 per 1000 gallons. Pump apx. 2000 gallons

\$530.00

Total:

\$7727.50

Note: Not to exceed \$8257.50

Note: It appears after outlet pipe leaves lift station that there are no access points to inspect. Would be nice to have access between lift station & start of leaching system for inspection.

Please read exclusions below. (*means read exclusions)

Please read exclusions below:

- *Not responsible for any damages caused to any unmarked under ground services.
- *Not responsible for any landscape/concrete/asphalt/fencing/grass repair or replacement.
- *We reserve the right to not perform this job at any point in time in process.
- *Weather/site conditions permitting
- *Payment due upon receipt.
- *Not responsible for additional repairs that Maricopa County Environmental may require if it is determined that additional Repairs/ work are necessary for proper operation of this On Site Waste Water Treatment Facility.

Please sign below that you have read the exclusions, accept the fees and give permissions to proceed with job.

Owner Signature

Date



NATIONALLY RECOGNIZED FOR SEPTIC INSPECTIONS BY
THE NATIONAL ASSOCIATION OF WASTEWATER TRANSPORTERS

\$8758
\$500
CONT
12.11.14
[Signature]

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 Building Renewal Grant Fund

District: **Scottsdale Unified**
 BRG Project Number: **070248161-1018-027BRG**
 Project Description: **Replace water heater**
 Architect of Record: **n/a**
 Contractor: **Brown's Partsmaster, Inc. (623-889-7399)**
 Executive Authority: **12/15/2014**
 Board Approval: **1/7/2015**

Maricopa County

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost (cost estimate provided by architect or contractor)	\$ 3,698
Contingency ①	\$ 500
Architecture / Engineering (A&E) Fees	\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection	\$ -
Total Additional Cost:	\$ -
Total SFB Funded Project Cost:	\$ 4,198
District Share (Local Funds):	\$ -
SFB Board Approved Amount:	\$ 4,198
Total Project Cost:	\$ 4,198

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 12/11/2014 11:30:03 AM

Application ID: 1722

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Scottsdale Unified District
Superintendent: David Peterson
Contact Person: Carlos Monreal
Contact Phone Number: 4804848519
Contact Email: cmonreal@susd.org
School Site: Supai Middle School
Buildings: 1018 B

Application Title: Domestic hot water heater

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

The 11 year old hot water has a ruptured tank and it cannot be repaired. The replacement cost is \$3697.38. SUSD will provide labor to install it.

Project Category: Plumbing

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

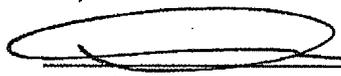
Please outline any associated insurance coverage.

Liaison: Cruse

pcruse@azsfb.gov

602-364-1193

DAVID J. PETERSON
Superintendent Printed Name


Superintendent Signature

12/11/14
Date



Brown's Partsmaster, Inc.
 7280 N. GLEN HARBOR BLVD. #101
 GLENDALE, AZ 85307-1810
 Fax: 623-889-7389
 Phone: 623-889-7399
 E-Mail: sales@bpisite.com
 Website: www.bpisite.com

QUOTE

Number	103708
Date	11/24/2014
Page	1

Ship-to: 1
 SCOTTSDALE U.S.D. # 48
 9288 E SAN SALVADOR
 SCOTTSDALE, AZ 85258

Bill-to: 724
 SCOTTSDALE U.S.D. # 48
 ACCOUNTING DEPARTMENT
 3811 N. 44TH ST.
 PHOENIX, AZ 85018

Reference #	Expires	Slsp	Terms	Wh	Freight	Ship Via
EMAIL	12/24/14	102	2%10TH/NET EOM	01	PREPAID	OT
Quoted By	MVA	Quoted To	SCOTT L. 602-380-6339			

Item	Description	Ordered	UM	Price	UM	Extension
DSE30-18	30GAL 480V 18KW 3PH COMM ELECTRIC HEATER LEADTIME 2-3 WEEKS	1	EA	3385.88	EA	3385.88

	Merchandise	Misc	Tax	Freight	Total
	3385.88	.00	311.50		3697.38

Do not write below this line

Customer Copy

... Last Page

SOQ



01-103708



SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Show Low Unified**
 BRG Project Number: **090210012-1006-003BRG** Navajo County
 Project Description: **Repair fire sprinkler system**
 Consultant: n/a
 Contractor: American Fire Equipment Sales and Service Corp. (928-532-2292)
 Executive Authority: 12/8/2014
 Board ratification: 1/7/2015

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost: (cost estimate provided by architect or contractor)	\$ 6,223
Contingency	\$ 500
Additional Cost:	
Architecture / Engineering (A&E) Fees	\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection	\$ -
Total Additional Cost:	\$ -
Total SFB Funded Project Cost:	\$ 6,723
District or Local Funds:	\$ -
SFB Board Approved Amount:	\$ 6,723
Total Project Cost:	\$ 6,723

Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 10/16/2014 9:12:25 AM

Application ID: 1604

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Show Low Unified District
Superintendent: Kevin Brackney
Contact Person: Ralph Smith
Contact Phone Number: 928-242-4235
Contact Email: rcsmith@show-low.k12.az.us
School Site: White Mountain Institute
Buildings: 1006 WMI Building

Application Title: Fire sprinkler system

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

Fire sprinkler lines in the WMI bldg are plugged they have to remove sprinkler heads and flush out each one and replace with new heads. The cost is approx 10,000

Project Category: Special Systems

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

The district is asking for funding to help pay for the sprinkler heads and flushing. This is a safety issue and We the District already had main lines flushed on 10/14/2014.

Liaison: Cruse pcruse@azsfb.gov 602-364-1193

Kevin Brackney
Superintendent Printed Name

[Signature]
Superintendent Signature

12-8-14
Date



AMERICAN

FIRE EQUIPMENT SALES AND SERVICE CORPORATION

ROC L-16 092461

ROC L-67 092462

3107 W. VIRGINIA AVE. ★ PHX, AZ 85009-1504 ★ (602)433-2484 ★ Fax (602)433-9626
 2921 S. KISH AVE ★ YUMA, AZ 85365 ★ (928) 341-0025 ★ Fax (928) 341-0356
 SHOW LOW ★ PINETOP ★ LAKESIDE ★ (928) 532-2292

Repair Proposal

Date: 12/05/14

Re: MOHAVE CONTRACT
12H-AFES-0604

To: Ralph Smith
 Show Low Unified School
 500 W. Old Linden Rd
 Show Low, AZ 85901

Phone: 928-537-6814
 Fax:
 E-Mail: rcsmith@showlow.k12.az.us

Project: Sprinklers / Backflow

Proposal: E144388

SALESPERSON	PAYMENT TERMS	EXPECTED DELIVERY	QUOTE VALID
Chane Villaverde	As per MESC contract 12H-AFES-0604	14 days ARO	90 Days from date above

Scope of Work

- American Fire Equipment will flush and replace the 64 sprinkler heads with Trim. This proposal is based strictly on a customer request.
- American Fire Equipment will install a new gasket kit for the 4" AMES backflow and re-certify the backflow.
- ***Special Note*** No lift or City water shutdown fees are included in this proposal*

Cost Summary

QTY	ITEM#	DESCRIPTION	UNIT LIST PRICE	DISC	MESC PRICE	LINE TOTAL
48	LABOR	Fire Sprinkler Technician Regular business hours labor	\$90.00	15%	\$76.50	\$3,672.00
8	LABOR	Backflow Certified Technician Regular business hours labor	\$85.00	15%	\$72.25	\$578.00
PLAN TOTAL						\$4,250.00

QTY	PART#	DESCRIPTION	UNIT LIST PRICE	DISC	MESC PRICE	LINE TOTAL
64	VK 302	Viking Chrome Pendant Sprinkler head with Trim	\$25.00	N/A	N/A	\$1,600.00
1	4" AMES-COLT 200	4" AMES COLT-200 GASKET KIT FOR BACKFLOW	\$81.00	25%	\$60.75	\$60.75
1	LOT	Misc. Sprinkler pipe	\$250.00	N/A	N/A	\$250.00
MATERIALS TOTAL						\$1,660.75

SALES TAX	5.27%	311.50
REPAIR TOTAL*		\$6,222.25

*Quantities could affect this total price, pricing includes MESC Admin Fee
 AFE will only bill you hours used for the project

Thank you for the opportunity to serve your fire protection needs. If you have any questions please feel free to give me a call anytime. I can be reached at (602) 433-2484.

Respectfully submitted,



Chane Villaverde
 Service Sales / Estimating
 American Fire Equipment Sales and Service Corporation

Thank You for Your Business!

To commence with the above work scope please sign this document and provide Purchase Order by Fax/E-mail to Mohave Educational Services Cooperative Contract 12H-AFES-0604 at (928) 718-3232 or orders@mesc.org for review. American Fire Equipment Sales and Service Corporation will only process those orders that carry the "MESC Reviewed" stamp.

Acceptance of Proposal

X _____ X _____
 Authorized Signature* Date of Authorization

*American Fire Equipment is hereby authorized to conduct the work aforementioned with respect to Mohave Contract 12H-AFES-0604 terms and conditions as per http://www.mesc.org/contract_documentation.html as well as American Fire Equipment Sales and Service Corporation standard terms and conditions at the prices specified.

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **St David Unified**
 BRG Project Number: **020221202-1011-010BRG**
 Project Description: **Repair HVAC unit**
 Architect of Record: **n/a**
 Contractor: **Trejo Refrigeration (520-221-0194)**

Cochise County

Executive Authority: 12/10/2014
 Board ratification: 1/7/2015

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost: (cost estimate provided by architect or contractor)	\$ 834
Contingency ①	\$ 166
Additional Cost:	
Architecture / Engineering (A&E) Fees	\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection	\$ -
Total Additional Cost:	\$ -
Total SFB Funded Project Cost:	\$ 1,000
District or Local Funds:	\$ -
SFB Board Approved Amount:	\$ 1,000
Total Project Cost:	\$ 1,000

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 12/10/2014 2:29:33 PM

Application ID: 1716

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: St David Unified District
Superintendent: Mr. Mark Goodman
Contact Person: Rocky Warner
Contact Phone Number: 520-720-8040
Contact Email: rwarner@stdavid.org
School Site: St David High School
Buildings: 1011 Jr. High, High School

Application Title: room 904 water source heat pump

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

unit has failed unit is inoperable

Project Category: HVAC

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

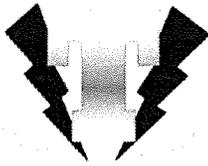
Please outline any associated insurance coverage.

Liaison: Demland ddemland@azsfb.gov 602-542-6567

Mark Goodman
Superintendent Printed Name

[Signature]
Superintendent Signature

12/19/14
Date



Trejo Refrigeration
and Electrical Inc.
P.O. Box 746
St. David, AZ 85630
1-520-221-0194

Estimate

Date	Estimate No.
12/09/14	955

Name/Address
St. David School P.O. Box 70 St. David, Az 85630

Project
Reversing

Quantity	Item	Description	Cost	Total
1	Reversing Valve	Reversing Valve with coil	176.84	176.84T
4	R 22	R22 Refrigerant	42.00	168.00T
1	Acetylene/Nitrogen/Vacuum	Acetylene/Nitrogen/Vacuum	100.00	100.00T
4	Labor	Work done on the Job	75.00	300.00T
1	St. David Travel	St. David Travel	15.00	15.00T
1	Shipping	Cost of part Shipped	42.00	42.00T
		Estimate is to install a new reversing valve on the #4 heat pump with a new charge of R22. Reversing valve will take 3-5 business days to order in.		
		Cochise County Sales Tax	3.965%	31.79
			Total	\$833.63

This is an estimate only, not a contract. This estimate is for completing the job described above, based on our evaluation. It does not include unforeseen price increases or additional labor and materials which may be required should problems arise.

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payments will be made as outlined below.

Signature: _____ Date: _____

Payments are set on a Net 30 after completion. We accept Check, Cash, Visa, or Master Card.

Estimates are good for 30 days.

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Superior Unified**
 BRG Project Number: **110215205-9999-008BRG** Pinal County
 Project Description: **Replace intercom system**
 Architect of Record: **n/a**
 Contractor: **Commercial Systems Technology, Inc. (480-890-2260)**
 Executive Authority: **12/8/2014**
 Board ratification: **1/7/2015**

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost	\$ 9,840
Contingency ①	\$ 1,000
Architecture / Engineering (A&E) Fees	\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection	\$ -
Total Additional Cost:	\$ -
Total SFB Funded Project Cost:	\$ 10,840
District Share (Local Funds):	\$ -
SFB Board Approved Amount:	\$ 10,840
Total Project Cost:	\$ 10,840

① Contingency shall only be used with SFB staff approval.

School Facilities Board
SFB BR 900-08

BUILDING RENEWAL GRANT
Project Application Form

Building Renewal Grant Application

Initial Submission Date: 12/3/2014 10:57:46 AM
Resubmittal Date:

Application ID: 1697

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Superior Unified District
Superintendent: Patrick ODonnell
Contact Person: Ignacio Godinez
Contact Phone Number: 520-827-1865
Contact Email: igodinez@superior.k12.ar.us
School Site: Superior High School
Buildings: 1002 Replacement Junior/Senior High School

Application Title: Replace Intercom system

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

Existing system is failing. \$9,840 quote CCS.

Project Category: Special Systems

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

Liaison: Breuer gbreuer@azsb.gov 602-542-6139

Patrick T. O'Donnell Jr
Superintendent Printed Name

Patrick T. O'Donnell Jr
Superintendent Signature

12/3/14
Date



Commercial Systems Technology, Inc.

To: Superior Unified School District 15
Attn: William Duarte bduarte@superiorusd.org
CC: Ignacio Godinez maintenance@superiorusd.org
Date: 12/02/2014
Re: Intercom JR/SR High School

Principal Duarte,

We have worked up pricing for replacement of your Dukane Intercom System with a 72 port Bogen Multicom 2000. The system will utilize the existing speakers and wiring which will be checked for proper loads and wiring defects. Any noted defects will be brought to your attention for a decision on repairs. Speaker and Wiring Repairs can be handled by your staff or by our technicians on a Time and Material basis. The system will be built into the existing system rack and the recently replaced (Bogen) amplifier will be reused. Individual Two-way (intercom) capability plus all-call announcements will be maintained using this configuration. If access via the telephone system is desired, a FXO type port will need to be brought to the system rack. The system will also support zoned paging and class-change signaling. One (1) system display phone will be provided to allow system access and schedule changes, etc. The cost for the system as described above would cost **\$9,840.00** plus applicable taxes. We may be able to get this done during the Christmas break if all arrangements can be made in time.

There is another option available for the system and this involves upgrading the processor card to a Bogen Quantum system. The Quantum offers more features plus the ability to network to other campuses. System programming, schedule changes, etc. are presented as a web-page and can be set up remotely. If done during the installation, this upgrade would cost **\$3,300.00** plus applicable taxes.

The same upgrade could be done to the Elementary school to allow school to school networking for emergency announcements, lock-downs, etc. Upgrading and reprogramming the processor at the Elementary School would cost **\$4,400.00** plus applicable taxes.

The quantum system(s) would also require a network drop at the rack and an IP address on your LAN/WAN.

These systems and service can also be purchased through the 1GPA contract which may be of interest to your finance department. Our 1GPA contract number is 13-83.

I look forward to discussing these options with you at your convenience.

Sincerely

Mark Haddad

Mark Haddad

CST / Commercial System Technology Inc.

Office # 480 890-2260

Mobile # 480 433-3590

Fax # 480 890-2263

Email mhaddad@cst-az.com

2911 N. Norwalk
Mesa, Arizona 85215

L67 License #069429

Telephone (480) 890-2260
Fax (480) 890-2263

**STATE OF ARIZONA
SCHOOL FACILITIES BOARD**

Meeting Date: January 7, 2015

Agenda Item V.b.

Subject: V. Building Renewal Grant Requests
**b. Consideration and possible vote to accept, reject or modify
Building Renewal Grant Requests (supplemental awards)**

**Scottsdale Unified
Show Low Unified
Yarnell Elementary**

Background – Scottsdale Unified (Copper Ridge MS – exterior reseal)

On August 6, 2014, the Board awarded Scottsdale Unified \$8,000 for an evaluation and testing of exterior surfaces (including an asbestos survey) to reseal the exterior Copper Ridge Middle School (project number 070248170-9999-022BRG).

The evaluation of the exterior by the architect is complete and they have submitted a proposal for design, bid documents, oversight and construction estimate. The asbestos survey found no abatement of hazardous materials is required.

Initial award 8/6/2014 \$8,000

Supplemental funding requested:

Architectural Services	\$8,300
Estimated construction costs	\$396,000
<u>Contingency</u>	<u>\$39,000</u>
Total requested:	\$443,300

Total project cost: \$451,300

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Scottsdale Unified (Copper Ridge MS – exterior reseal)

Staff recommends that Scottsdale Unified be awarded an additional \$443,300 in Building Renewal Grant funding for construction bid documents and the estimated construction cost to reseal the exterior of all buildings at Copper Ridge Middle School (project number 070248170-9999-022BRG). This includes \$39,000 in contingency that will only be used with SFB staff approval and brings the total project cost to \$451,300.

Background – Show Low Unified (Nicklaus Homestead ES – replace fire alarm)

On August 6, 2014, the Board awarded Show Low Unified \$18,300 for design and asbestos survey services to replace the fire alarm system at Nicklaus Homestead Elementary School (project number 090210120-9999-002BRG).

The engineering is complete and an estimate for construction and asbestos abatement have been submitted.

Initial award 8/6/2014 \$18,300

Supplemental funding requested:

Permits (Est.)	\$1,200
Estimated construction costs	\$220,000
Asbestos Oversight (Est.)	\$2,500
Asbestos Abatement	\$4,247
Contingency	\$22,000
Total requested:	\$249,947

Total project cost: \$268,247

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Show Low Unified (Nicklaus Homestead ES – replace fire alarm)

Staff recommends that Show Low Unified be awarded an additional \$249,947 in Building Renewal Grant funding to replace the fire alarm system at Nicklaus Homestead Elementary School (project number 090210120-9999-002BRG). This includes \$1,200 for permits and \$22,000 in contingency that will only be used with SFB staff approval and brings the total project cost to \$268,247.

Background – Yarnell Elementary (Yarnell ES – repair domestic water pump and alarm system)

On October 1, 2014, the Board awarded Yarnell Elementary \$7,500 in Building Renewal Grant funding for engineering services to investigate the well, pump, water storage and fire sprinkler alarm system at Yarnell Elementary School (project number 130352101-9999-001BRG).

The investigation is complete and the engineer has submitted a proposal for design fees (\$10,130) and construction estimate (\$82,690) for the repairs to the well system.

Initial award 10/1/2014 \$7,500

Supplemental funding requested:

Engineering design and construction administration	\$10,130
Fire suppression alarm system, pump cycles, pump repairs and safety	\$82,690
Contingency	\$5,000
Total	\$97,820

Total project cost \$105,320

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative work.

Staff Recommendation – Yarnell Elementary (Yarnell ES – repair domestic water pump and alarm system)

Staff recommends that Yarnell Elementary be awarded an additional \$97,820 in Building Renewal Grant funding for the engineering design, construction administration and construction costs for repairs to the domestic water pumps and alarm system at Yarnell Elementary School (project number 130352101-9999-001BRG). This includes \$5,000 in contingency that will only be used with SFB staff approval.

Board Action Requested: [] information [X] action / described below

1. Board approval of the staff recommendation that **Scottsdale Unified** be awarded an additional \$443,300 in Building Renewal Grant funding for construction bid documents and the estimated construction cost to reseal the exterior of all buildings at Copper Ridge Middle School (project number 070248170-9999-022BRG). This includes \$39,000 in contingency that will only be used with SFB staff approval and brings the total project cost to \$451,300.
2. Board approval of the staff recommendation that **Show Low Unified** be awarded an additional \$249,947 in Building Renewal Grant funding to replace the fire alarm system at Nicklaus Homestead Elementary School (project number 090210120-9999-002BRG). This includes \$1,200 for permits and \$22,000 in contingency that will only be used with SFB staff approval and brings the total project cost to \$268,247.
3. Board approval of the staff recommendation that **Yarnell Elementary** be awarded an additional \$97,820 in Building Renewal Grant funding for the engineering design, construction administration and construction costs for repairs to the domestic water pumps and alarm system at Yarnell Elementary School (project number 130352101-9999-001BRG). This includes \$5,000 in contingency that will only be used with SFB staff approval and brings the total project cost to \$105,320.

Attachments: Yes [X] No []

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Scottsdale Unified**
 BRG Project Number: **070248170-9999-022BRG**
 Project Description: **Exterior reseal**
 Architect of Record: **ADM Group (480-285-3800)**
 Contractor: **TBD**

Maricopa County

Board Approval: 8/6/2014
 Supplemental award: 1/7/2015

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost (cost estimate provided by architect or contractor)	\$ 396,000	
Contingency ①	\$ 39,000	
Architecture / Engineering (A&E) Fees	\$ 3,000	
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ 5,000	
Testing & Inspection	\$ 8,300	
Total Additional Cost:	\$ 16,300	
Total SFB Funded Project Cost:	\$ 451,300	
District Share (Local Funds):	\$ -	
SFB Board Approved Amount:	\$ 451,300	
Total Project Cost:	\$ 451,300	

① Contingency shall only be used with SFB staff approval.

Via: [e-mail] cmonreal@susd.org

December 17, 2014

Carlos Monreal
EMS Supervisor
Scottsdale Unified School District
3811 N. 44th Street
Phoenix, AZ 85018-5420



2100 West 15th Street
Tempe, Arizona 85281-6942

o. 480.285.3800
f. 480.285.3801
www.admgroupinc.com

Re: Copper Ridge Elementary and Middle School Wall Remediation

Subj: Proposal for Services

Dear Mr. Monreal:

Thank you for the opportunity to submit a proposal for services for the scope of work at Copper Ridge Elementary and Copper Ridge Middle School.

SCOPE OF WORK:

Our proposed scope of work is as follows:

1. Create design specifications to include existing masonry preparation, painting/ sealing, and caulking technical specifications, and a written and/or graphic description of the scope of the repairs. Create a bid package including any standard Scottsdale Unified School District "font end specifications" or contracting requirements. Re-use the building's original Sherwin Williams paint colors, or equal colors by other manufacturers. \$4,900

2. Assist the District in competitively bidding the work using school advertisements and sealed bids per the State Procurement Regulations. Conduct a pre-bid walk through of the project with the Contractors. Assist the District in evaluating the contractor bids at bid opening. \$1,900

3. Conduct a Substantial Completion walk-through with the District and the Contractor. Create a final punch list of work remaining. \$1,500

FEE PROPOSAL

ADM Group proposes to provide the scope of work identified above for a lump sum fee of Eight Thousand Three Hundred and 00/100 Dollars (\$8,300.00) plus reimbursable expenses as described below. This equates to a fee of approximately 2.5% of the base bid work.

Reimbursable Expenses are in addition to compensation for Basic and Additional Services and include expenses incurred by ADM Group and ADM Group's employees and consultants in the interest of the Project, as identified in

Carlos Monreal
December 17, 2014
Page 2

the following clauses. Payments for reimbursable expenses shall be billed at cost times a factor of 1.00 for administration and handling unless noted otherwise.

- Fees and reimbursables paid to specialty consultants above and beyond the normal structural, mechanical, plumbing and electrical, civil, landscape, and food service authorized by the Owner.
- Expenses, mileage, and time charges in connection with authorized local or out-of-town travel.
- Project related long distance communications.
- Fees paid for securing approval of governmental authorities having jurisdiction over the Project.
- Expense of reproductions, postage and handling, and delivery of Drawings, Specifications, and other documents.
- Expense of overtime work requiring higher than regular rates, as requested in writing by the Owner.
- Expense of additional insurance coverage or limits, including professional liability insurance, requested by the Owner in excess of that normally carried by ADM Group and ADM Group's consultants.

ADDITIONAL SERVICES

Services requested by the Owner not specifically outlined above will be considered Additional and subject to the rates provided in the attached Standard Hourly Rate Schedule.

If this proposal meets with your approval, please sign your acceptance in the space provided below.

Sincerely,

ADM Group, Inc.



Carmen Wyckoff, AIA, LEED AP
Project Architect

Approved: _____ Date: _____

ADM GROUP INC. STANDARD HOURLY

RATE SCHEDULE

The following Hourly Rate Schedule encompasses the range of expertise available for the project. The exact level of expertise assigned to the project team will be indicative of the individual responsibilities, skills and tasks required to perform the project in a professional manner.

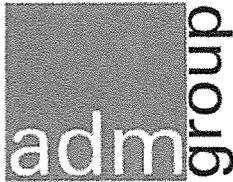
Principal	\$200.00/hour
Director	\$175.00/hour
Project Architect	\$130.00/hour
Project Designer	\$110.00/hour
Senior Designer	\$ 95.00/hour
Designer/Technical Support	\$ 85.00/hour
Clerical	\$ 55.00/hour
Reimbursable Expenses	Cost + 15%*
Transportation	Reimbursement rate based on current IRS Standard Mileage Rate

NMS:drs
08/22/13

Via: e-mail cmonreal@susd.org

October 16, 2014

Carlos Monreal
E.M.S. Supervisor
Scottsdale Unified School District
3811 N 44th Street
Phoenix, AZ 85018



2100 West 15th Street
Tempe, Arizona 85281-6942

o. 480.285.3800
f. 480.285.3801
www.admgroupinc.com

Re: Copper Ridge Elementary and Middle School Leak Mitigation

Subj: Report on Findings

Dear Mr. Monreal:

After speaking with you concerning Copper Ridge School, Mr. Barcon and I walked the school site on September 22, 2014. We saw numerous instances of water infiltration during that site visit. Please see my attached notes for more detail.

Due to the variety of issues at the school, we have broken our findings and suggested solutions into 5 categories:

1. Water Penetration Through Metal Roof:

Method: After ADM Group's initial site visit, Progressive Roofing walked the site along with Solar City. Please see their letter, attached.

Findings: The school roof is generally comprised of standing seam metal roofing. The roofing is original to the school and approximately 12 years old. 5 years ago Solar City installed solar panels on top of the roofing. Shortly thereafter, some of the leaks appeared at the school.

Suggested Solution: Solar City will repair the metal roof at the leak locations under the solar panel warranty. These leaks have been an issue since the solar panels were installed. This source of leaks must be rectified in order to stop any further water infiltration through the roof. Solar City should remove the panels, extend the support threads at least 6" above the roofing surface, and then flash around the extensions.

Estimated Cost: Under warranty; no cost to the District

2. Water Penetration Through Flat Roof:

Method: After ADM Group's initial site visit, Progressive Roofing walked the site. Please see their letter, attached.

Findings: A smaller portion of the school roof is comprised of flat membrane roofing. The roofing is original to the school and approximately 12 years old. Water infiltration in this roofing is due primarily to age.

Suggested Solution: Progressive roofing will attempt to repair and patch the flat roof membrane.

Estimated Cost: Under warranty, presuming a 15 year warranty; no cost to the District



3. Water Penetration Through Masonry Coating:

Method: After ADM Group's initial site visit, a representative from Sherwin Williams walked the site. According to the original construction documents, Sherwin Williams paint was used on the exterior. Please see her letter, attached.

Findings: The school masonry walls are painted. Most of the paint is original to the school and approximately 12 years old, though select areas have been repainted in an effort to maintain the block. Although the painting work may have been adequate at the time of construction, the material is past its useful and expected life.

Suggested Solution: The District should engage a painting contractor to clean and repaint the entire block exterior.

Estimated Cost: \$355,000



4. Water Penetration Through Windows and Door Edges:

Method: During the site walk with ADM Group, the campus staff noted that in some areas, like in the nurse's suite, the water appears to be coming in along the window edges and sill.

Findings: The school's caulking around windows and doors is near the end of its useful life. In cases where water is able to hit the exterior walls, this water may infiltrate the building at the degraded caulking locations.

Suggested Solution: The District should recaulk the window and door frames. This can be done by an independent contractor or District staff.

Estimated Cost: \$41,000

5. Water Penetration due to Lack of Water Diversion:

Method: ADM Group visited the site with District and Campus personnel, and then conducted a review of the original construction documents.

Copper Ridge School
October 16, 2104
Page 3

Findings: Per the original design, there is a lack of gutters on most of the roof drip lines. As well, the original construction documents planned for reveals between the masonry wall and the canopy metal roof. While these may not be a primary source of leaks, further directing the water away from the walls may help prevent future water infiltration.

Suggested Solution: Saw cut and install flashing between the existing masonry wall and the metal canopy roofs. Install gutters and downspouts at roof edges near CMU walls.

Estimated Cost: \$64,000

We hope that these findings help you plan the water infiltration mitigation at Copper Ridge School. Our next step is to create a specification for the building painting and recaulking to satisfy School Facilities Board requirements.

If we can be of any assistance in soliciting contractors or managing the repairs, please let us know.

Sincerely,

ADM Group, Inc.



Carmen Wyckoff
Architect

cc: Terry Worcester
Ben Barcon
Project File 5860-100



2100 west 15th street
 tempe, arizona 85281-6942
 tel: 480.285.3800
 fax: 480.285.3801

meeting minutes

Project: Copper Ridge School – Leak Mitigation
Scottsdale Unified School District
 ADM Group Project No. 5860-100

Meeting Date: October 1, 2014

Meeting Location: Copper Ridge School

Attendees:	Carmen Wyckoff	ADM Group
	Ben Barcon	ADM Group
	Brett Holliday	SUSD
	Karen Portsche	SUSD
	Adam	SUSD

A meeting was held with the above parties to discuss the following items:

<u>Item No.</u>	<u>Description</u>	<u>Action Required by</u>
1.	Stains and other interior damage show evidence of leaks. A few years ago roofers came to make corrections, yet leaks remain.	
2.	Areas of concern are:	
	a. Nurse's office- leak at windows, and down wall. Perhaps due to flashing of roof at wall	
	b. Boiler room back wall- leak above electrical equipment, coming down wall	
	c. Gym- water leaking from clerestory area- perhaps from windows, walls, or roof intersection. These leaks in the general area of solar panels on roof.	
	d. Music room storage room #751- ceiling damage due to leak, along interior wall	
	e. Electronic music lab #755- ceiling damage due to leak, along exterior wall	
	f. Band #763- leak above soffit. Building staff installed a ceiling hatch to investigate the problem, and believe water is coming through the clerestory wall above the soffit	
	g. Cafeteria- paint is bubbling and blistering along exterior walls. Exterior walls appear to be dark and damp. Ceiling damage due to leak in a nearby corner.	
	h. Paint deterioration and efflorescent was seen in numerous other	

<u>Item No.</u>	<u>Description</u>	<u>Action Required by</u>
-----------------	--------------------	---------------------------

areas, including major walls, underneath walkway canopies, and at exterior masonry column covers.

3. Next steps include:

- a. Progressive Roofing, the original roofing contractor, will join Solar City at 7am on October 2 for a walk through inspection.
- b. ADM Group will contact Sherwin Williams, the paint noted on the original drawings, to ask for an assessment of the paint condition.

These meeting minutes represent our understanding of the items discussed and constitute the basis upon which we are proceeding unless immediately notified otherwise.

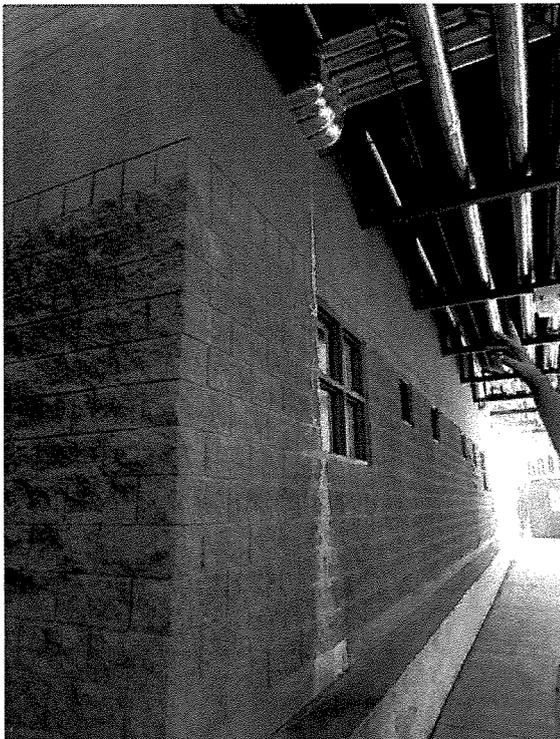
Submitted by:

ADM GROUP, INC.

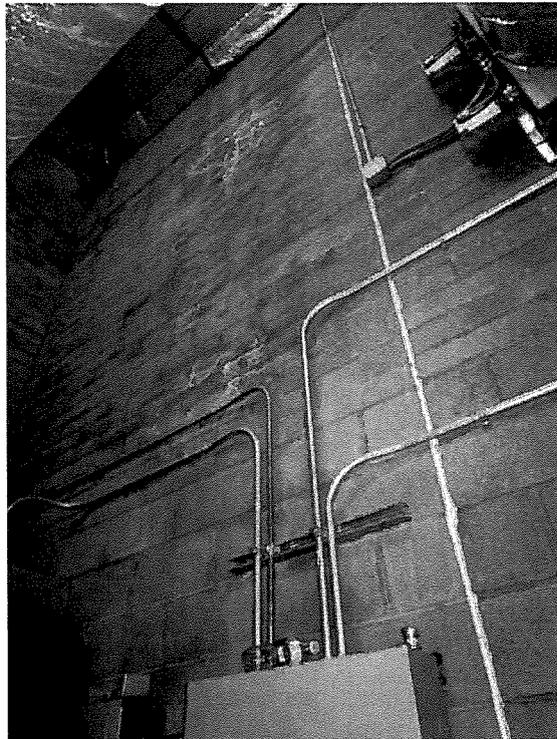


Carmen Wyckoff
Architect

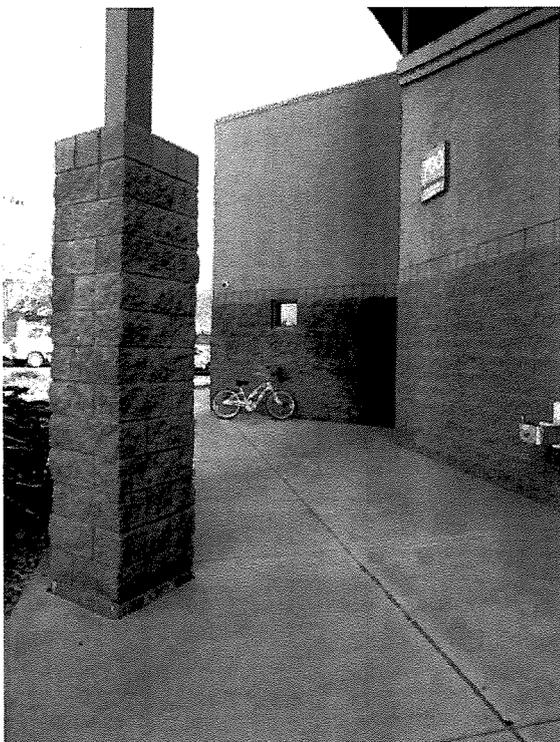
cc: Attendees
Carlos Monreal
Terry Worcester
Project File



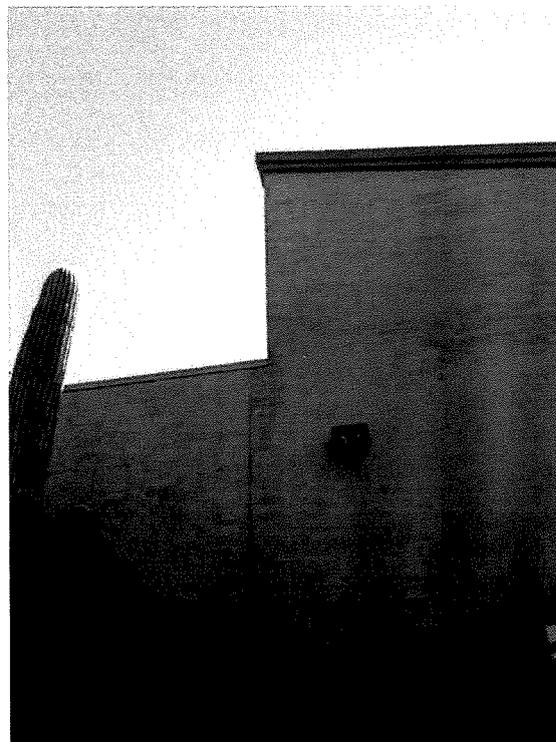
Water due to gap between wall and canopy



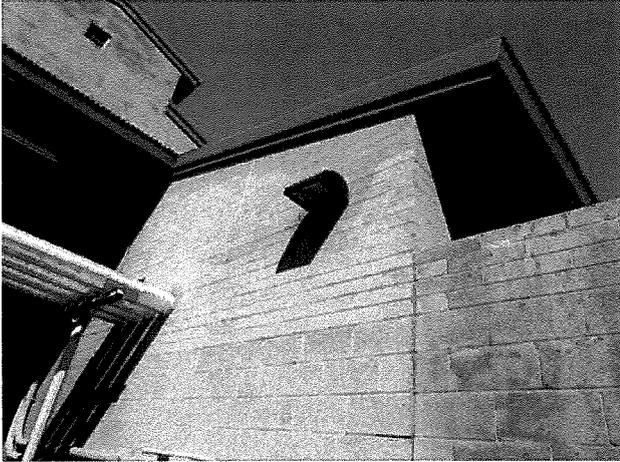
Water through roof in boiler room



Water through paint at Cafeteria



Water through paint at Band Room



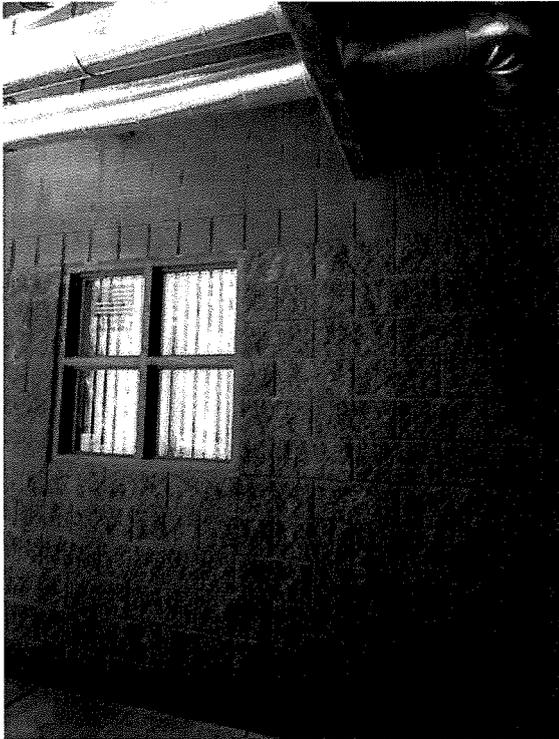
Aging paint



Roof edges without gutters; Aging paint



Aging paint at classrooms



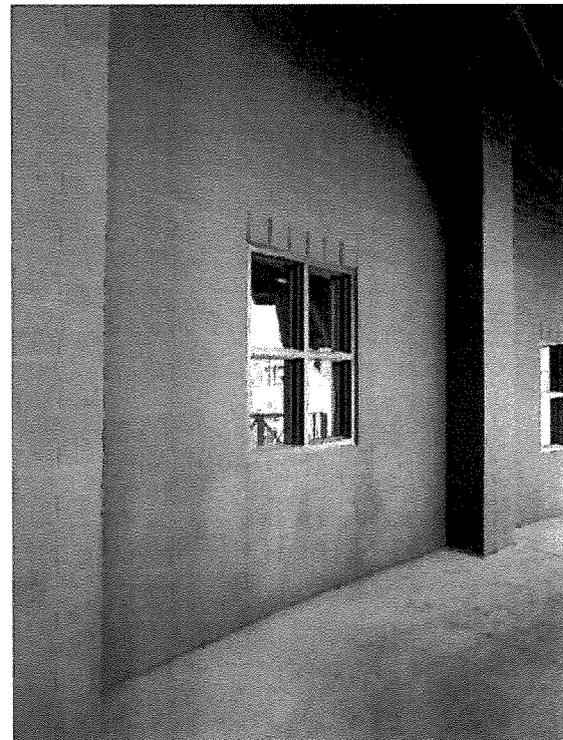
Aging paint; water due to gap at canopy



Aging paint at columns



Aging paint at stairs



Aging paint at front canopy

October 3, 2014

Copper Ridge School

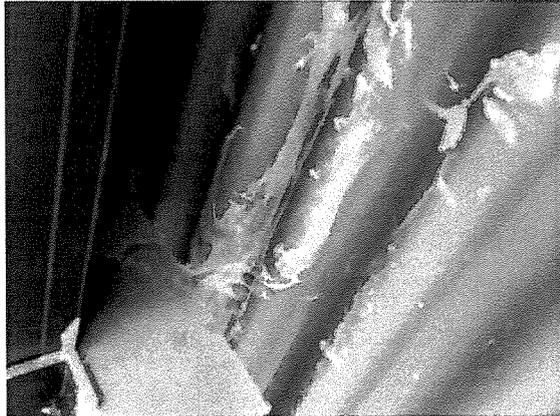
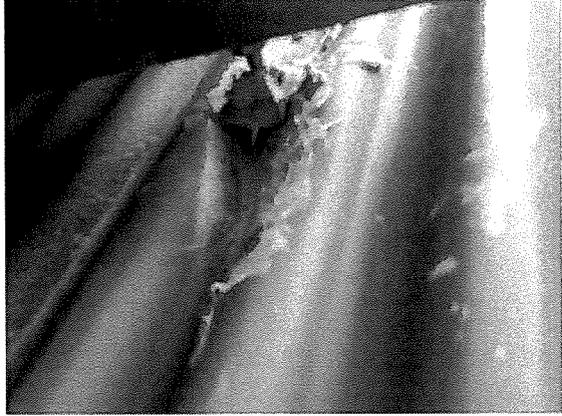
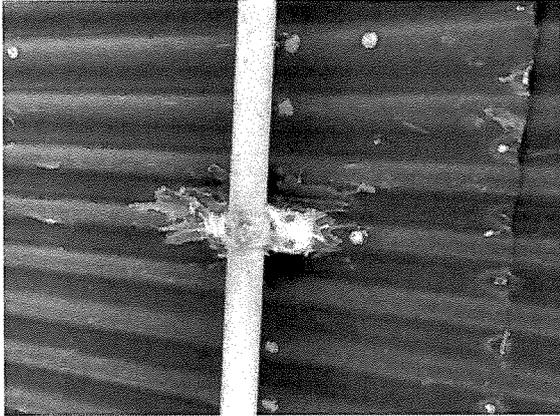
Good morning,

Here are some photos of the Copper Ridge job walk Mike Butcher and I went to yesterday. We arrived at the job site at 7:00 a.m. and met with Cesar Sanchez and one of his installers from Solar City along with Junior Soto from C&N roofing. After walking the roofs we all agreed that the water intrusion was coming through where the all-thread penetrates the roof. The solar system that was installed has caulking around the all-thread and is failing in several areas. The only fix I can suggest would be to have the solar system removed and extend the all-thread above the roof line 6" and then install a metal deck tite to insure no water intrusions. I was told by the solar installer this has been a leak issue since they installed the solar panels and have been getting call-backs every time there is a hard rain storm. He said these calls started coming in about 4 months after they installed the solar panels. Sealant is not a very good application around the all-thread; it will crack and separate from the all-thread and allow the water to weep through. There were a couple of areas that will need to be caulked at the head wall area where over the years it has started to separate.

Please let me know if you are going to need anything else from me on this.

Thank you,
Gordon Sorensen
Sheet Metal Project Manager
602-430-7957

Copper Ridge School Photos
Roofing at Solar Panels
10-02-14





SHERWIN-WILLIAMS.

The Sherwin-Williams Company
11840 N 28th Drive, Suite 102
Phoenix, AZ 85029

Carmen Wycoff
Ben Barcon
ADM Group
2100 West 15th Street
Tempe, AZ 85281

October 10, 2014
Re: Copper Ridge School Leak Mitigation

Carmen, Ben:

As requested, I made a site visit to Copper Ridge School on October 7th, 2014. There I met Karen Portsche with Scottsdale Unified School District. Stuart Campbell, Commercial Sales Representative with Sherwin-Williams was also in attendance.

We looked at all the areas of concern that were outlined. Overall we saw aging of the existing exterior paint (12 years old). We also viewed areas of porosity in some of the block and areas around window frames that had caulk/sealant cracking. In some areas the block was dark as if the paint film was gone and the color of the block was showing through. There were signs of water runoff from the roof on exterior walls.

There are definite signs where repainting would be a solution in order to protect the school from future weather.

Best,

Angela France, CSI, CDT
Architectural Account Executive

The Sherwin-Williams Company
623.606.1130
Angie.France@sherwin.com

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Show Low Unified**
 BRG Project Number: **090210120-9999-002BRG** Navajo County
 Project Description: **Replace fire alarm**
 Consultant: **LSW Engineers 602-249-1320**
 Contractor: **TBD**

Board Approval: 8/6/2014
 Supplemental award: 1/7/2015

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost: (cost estimate provided by architect or contractor)	\$ 224,247	
Contingency ①	\$ 22,000	
Additional Cost:		
Architecture / Engineering (A&E) Fees	\$ 13,300	
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ 3,700	
Testing & Inspection	\$ 5,000	
Total Additional Cost:	\$ 22,000	
Total SFB Funded Project Cost:	\$ 268,247	
District or Local Funds:	\$ -	
SFB Board Approved Amount:	\$ 268,247	
Total Project Cost:	\$ 268,247	

① Contingency shall only be used with SFB staff approval.

Pat Cruse

From: Jerry English [jenglish@lswphx.com]
Sent: Monday, November 17, 2014 8:49 AM
To: 'gregs@show-low.k12.az.us'
Cc: Pat Cruse; Mark Ralston
Subject: Nikolaus Homestead Fire Alarm Replacement Final Docs
Attachments: 14124 NIKOLAUS 100%CD FA 11-12-14 - Certified.pdf; 14124-NIKOLAUS ALL DIVISIONS-100%CD-11-12-14 - Certified.pdf

Hi Greg,

Attached is our 100% completed drawings and specifications for the Nikolaus Homestead Elementary School Fire Alarm System Replacement.

I will call you to discuss where we go from here.

We need to discuss the following items;

-  1. Revised construction estimate = \$220,000.
- 2. Estimated bid period = 3 weeks minimum
- 3. Substitution request cut-off date= 10 days prior to bid date
- 4. Estimated construction time = 1 month for shop drawing prep and our review, 1-month for City plan review, 3 months for construction for a total of 5 months.
Work should be done at night and on weekends, or more preferably, during summer break.
- 5. The system is a voice evacuation system using speaker/strobes rather than horn/strobes.
This is now what current code requires for K thru 12 Education Occupancies. We were forced to use a higher grade control panel because of this.
We are specifying Notifier NFS2-3030 and Edwards Systems Technology EST-3.
Both of these systems are represented by multiple (4 or more) authorized distributors in the State of Arizona.

Please feel free to review our plans and if you have any questions please don't hesitate to contact our office. We can pick-up any changes you may have in an addendum.

Thank you.

Regards,

Jerry G. English
Senior Electrical Designer
Project Manager

LSW Engineers Arizona, Inc.

| 2333 W. Northern Ave. #9 | Phoenix, AZ 85021 |
| Telephone 602.249.1320 | Facsimile 602.336.3276 |



**Agreement
Between Contractor and Owner/Client**

Sagebrush Restoration, LLC
2845 S 46th Street
Phoenix, AZ 85040
Office (602) 689-4907
Fax (602) 296-5921

Bid No: JC14-200

THIS AGREEMENT, entered into on Tuesday, December 16, 2014 by and between Sagebrush Restoration, LLC ("Sagebrush") and:

**Client Information:
Show Low Unified School District
500 W Old Linden Rd.
Show Low AZ 85901**

**Project is identified as: Nickolaus Homestead Fire Alarm Project
Project Location: 761 E McNeil Show Low, AZ 85901**

THE PARTIES AGREE TO THE FOLLOWING:

1. Sagebrush agrees to the scope of work as noted below:

Sagebrush will provide an EPA AHERA 40hr certified Competent Person to be on hand for 5 consecutive 8 hour shifts. The Competent Person will monitor and assist the selected fire alarm company during this project for any penetrations or attachments into Asbestos Containing Building Materials. If Asbestos Containing Materials will be disturbed during this project they will be handled following the CFR OSHA 1926.1101 unless they are TSI or surfacing as defined by AHERA. Sagebrush cannot remove materials above NESHAP threshold limits without a 10 day NESHAP permit in place.

This project is based on one (1) mobilization and 5 consecutive days, each additional shift will be billed at \$650.00.

**BID PRICE: \$4,034.25
TAX: \$212.40
BID TOTAL: \$4,246.65**

It is the responsibility of the owner to contract with a Third Party Industrial Hygienist for any inspections, air monitoring and/or clearance sampling.

2. Price includes: Labor, materials, equipment and personal protection equipment in order to perform the above mentioned scope of work in a safe and efficient manner. The estimated time frame will be 5 consecutive day(s). This job will be performed Monday through Friday during the hours necessary to meet your schedule.

NOTES:

- A. Compliance of all AHERA, EPA and OSHA Regulations.
 - B. Per occurrence \$5 million A+X rated insurance.
 - C. Arizona Contractors License – ROC 274599
 - D. Power and water provided by Owner.
3. In the event negative pressure containment is required, some paint and/or damage may occur, Sagebrush will not be held responsible for these damages. However, if Sagebrush is contracted to repair the affected area, it will be returned to pre-loss or pre-remediation condition.
 4. Within 24 hours of project commencement, Owner/Consultant/Owner's Representative will identify in writing any property damage associated with project setup. Within 48 hours of project completion, Owner/Consultant/Owner's Representative will identify in writing any property damage associated with project completion. Sagebrush will not be responsible for any damages identified beyond that 48-hour time period. Consultant/Owner's Representative will be identified prior to commencement of project.
 5. If post abatement monitoring is required, it will be performed by third party industrial hygienist contracted by the Owner. Sagebrush is only responsible for passing clearance protocols within the above identified contained work areas. Clearance protocol for asbestos abatement will be based on Phased Contract Microscopy (PCM) sampling technique. When PCM results are less than **.01 f/cc**, then the post abatement clearance criteria has been met. If Transmission Electron Microscopy (TEM) is required then clearance criteria will be less than **70 s/mm²**
 6. The Owner agrees to pay Sagebrush the contract sum, based upon invoices for payment submitted by Sagebrush. **The owner shall make payments payable net 10 days.**
 7. Invoices are due net 10 days from invoice date. Interest shall accrue on past due invoices at 1.5% per month no greater than 18% annually on all unpaid invoices.
 8. Any alterations or deviations from the specified scope of work will be completed upon written consent from authorized personnel. This proposal shall become part of the contract document and by signing, you agree to all conditions listed within.
 9. Bid price is good for 60 calendar days, at which time Owner and Sagebrush can confer with one another on current market price.

**** Due to health concerns and safety hazards related to the above project, NO ONE is permitted into a posted regulated work area unless they have permission from Sagebrush. Should unauthorized entry be made, Sagebrush is not liable for interference and failure to complete clearance testing standards.**

[Signature required on page 3]

Note: Closeout Documents will only be provided upon written request from client within 30 days of project completion.

Submitted by: Jeff Cromer
Owner Member

Accepted by:

Name Printed: _____

Title: _____

Date: _____

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 Building Renewal Grant Fund

District: **Yarnell Elementary**
 Project Number: **130352101-9999-001BRG** Graham County
 Project Description: **Repair domestic water pump and alarm system**
 Architect of Record: **n/a**
 Contractor: **Fluid Solutions (602-707-7777)**
 Board Approval: **10/1/2014**
 Supplemental award: **1/7/2015**

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost	\$ 82,690
Contingency ①	\$ 5,000
Architecture / Engineering	\$ 7,500
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ 10,130
Testing & Inspection	\$ -
Total Additional Cost:	\$ 17,630
Total SFB Funded Project Cost:	\$ 105,320
District Share (Local Funds):	\$ -
SFB Board Approved Amount:	\$ 105,320
Total Project Cost:	\$ 105,320

① Contingency will only be used with SFB staff approval.

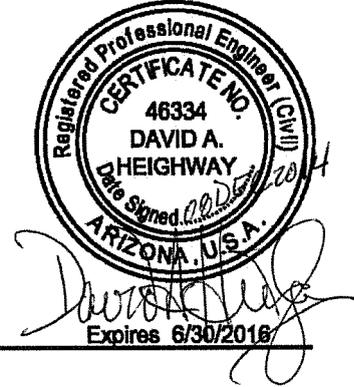
MEMORANDUM

To: Lori Bomar, Model Creek Elementary School
Fred Garnett, Superintendent, Yarnell ESD #52

From: David Heighway, PE

Date: December 8, 2014

Subject: Model Creek Elementary School Water System Evaluation



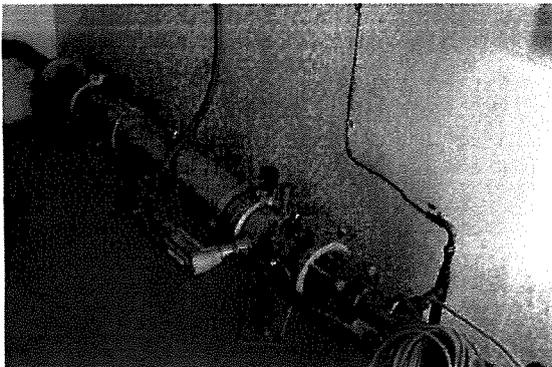
Existing Conditions

Model Creek Elementary School's water system is a combined system that services both domestic water needs as well as fire protection requirements for the campus. The school has been experiences frequent alarm conditions for the monitored fire protection system due to pressures falling below fire system setpoints. The normal pressure differences associates with the domestic water usage are part of this problem.

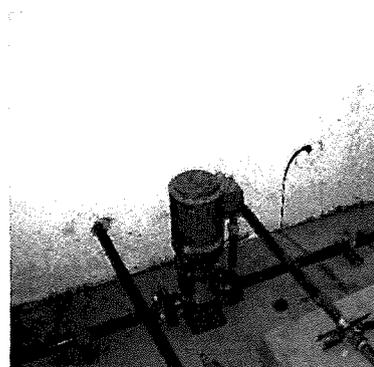
The existing booster station has three pumps installed in parallel:

1. Domestic Water Booster Pump: Grundfos Model 85S75-5, 95 gpm @ 75 psi, 208 VAC, 3-phase, Yakisawa iQPump Model Varispeed P7 Variable Frequency Drive Pump Controller. We could not read the horsepower, but calculate an approximate break Hp required for start-up of 7.5 HP at slower RPMs.
2. Fire System Jockey Pump: Aurora Model 03-952800, 10 gpm @ 70 psi, 1HP, 208 VAC, 3-phase
3. Fire System Booster Pump: Aurora Fire Pump 6-481-15C, 1250 gpm @ 65 psi, 75 HP, 208 VAC, 3-phase

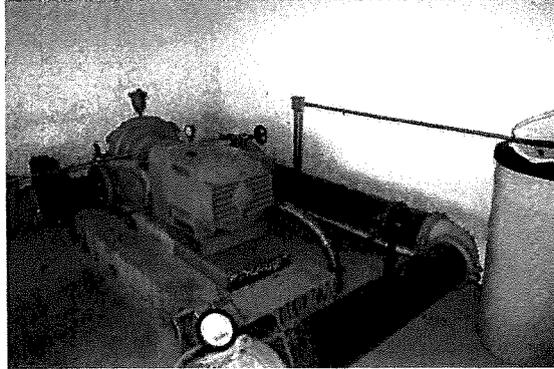
Picture 1: Domestic Water Booster Pump



Picture 2: Fire System Jockey Pump



Picture 3: Fire System Booster Pump



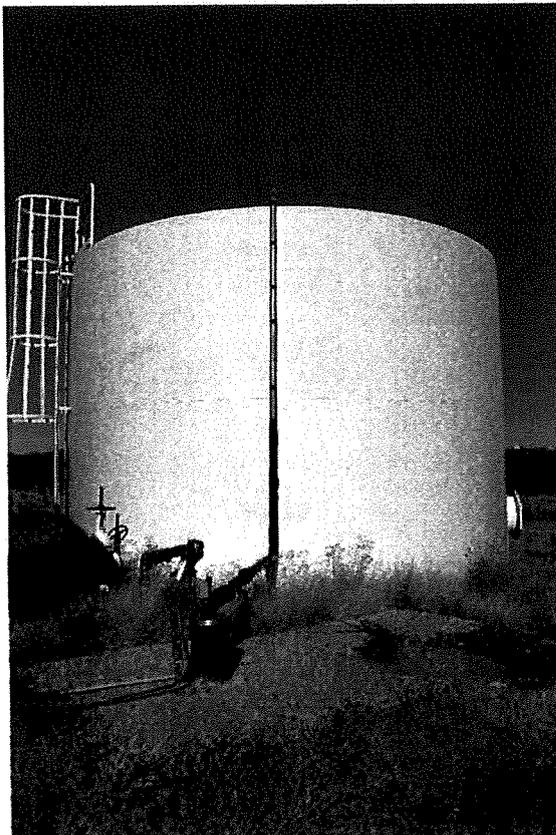
The domestic booster pump discharges through a filter to the common booster station discharge pipe. A small (44-gallon) bladder style hydropneumatic tank is installed on the booster pump discharge to reduce surge pressures and control the start/stop cycle of the booster pump.

Picture 4: Domestic Water Filter (Blue) and Hydropneumatic Tank (White)



A sodium hypochlorite system is installed in the booster station building. This disinfection chemical is injected into the well discharge to the 50,000-gallon welded steel storage tank. The well and storage tank are located outside the booster station building just to the north.

Picture 5: Well and Storage Tank



Identified Conditions Contributing to System Deficiencies

Our Team visited the booster station to identify why the school was experiencing nuisance alarms with the fire suppression system. During this visit we also reviewed the entire installation in an attempt to avoid more problems in the near future. The following summarizes our findings:

Fire Suppression System Alarms: The alarm problem is related to the set points that have been installed in the existing pressure switches. We had could find no way to easily adjust the set points and understand why operations staff could not make the system work. There may be a problem with the electronic components of the switches.

Pump Cycles: While our team was on site, the booster station pumps cycled 5 times in ½ hour. This results in 10 cycles per hour which on the out edge of acceptability when considered alone. However, the off time for these cycles was less than 1 minute which is too frequent to be occurring on a consistent basis without long-term motor damage. This may also be contributing to the frequent fire suppression system alarms as variations in system pressures are happening very quickly to cause the pumps to restart in the observed time.



Pump Condition: The mechanical seal on the fire pump has been fully adjusted and requires repacking. If the pump has been operating in this manner for a period time, the shaft may also be damaged as the packing protects the pump shaft from friction related wear.

Safety Issues: During our review, the following potential problems with the electrical and control systems:

1. Electrical control cabinets have been installed without proper clearance to meet Electrical Code Requirements.
 - a. The fire pump control cabinet has a copper water pressure line that is directly where an electrician would need to stand to properly work on the controls in the cabinet.
 - b. The domestic booster pump control cabinet is installed directly above a water spigot which is in the safety clearance area required to meet Electrical Code standards.
2. EMT conduit installed on the fire pump controls is not supported in the Electrical Code.
3. The electrical conduit to the well pump is installed above ground in a manner to create a tripping hazard, which could also result in electrical wiring being damaged. This condition also may cause premature deterioration of the conduit.

Recommended Actions

Fire Suppression System Alarms: Replace the pressure switches with units that can be adjusted by operations staff. This will allow the range of acceptable pressures to be adjusted to meet actual needs of the school and minimize nuisance alarms. During this effort the copper pipe in front of the cabinet that feeds the pressure switches should be moved against the wall to eliminate the associated safety issue. We also recommend the spigot be moved to eliminate the safety issue between water and electricity under the well pump control panel.

Pump Cycles: Rapid pump cycles will cause premature wear of the pump. Installing a larger hydropneumatic tank to replace the 44 gallon bladder tank will increase the off portion of the pump cycle. This reduces the frequency of pump cycling to less than the outer limit of 10 cycles per hour for motors of this size. We propose an approximately 500-gallon tank which will provide an off cycle of about 5 minutes under similar conditions as witnessed. We believe this is the second major component in solving the alarm problem as it will reduce the pressure fluctuations associated with the frequent stop-start of the domestic booster pump.

Pump Condition: Replace the packing and pump shaft in fire pump to ensure it will operate to specification should it be needed.

Safety Issues:

The electrical code problems need to be addressed. The approach varies by location:

- Fire pump control cabinet
 - Conduit needs to have proper mounting clamps and anchors installed to meet code



- Lighting panel – Relocating this panel closer to the door will place it in an area where adequate clearance is available.
- Domestic Booster Pump Control Panel – Relocation of the water spigot will address this problem.
- Well conduit – The electrical and control conduit to the well pump needs to be buried between the well and the booster station building and then properly anchored on the well sanitary seal pad.

Estimated Costs

The cost estimated to complete the recommended improvements are listed below in December 2014 dollars.

Description	Total
Engineering Design and Construction Administration	\$10,130.00
Fire Suppression System Alarm Upgrades	\$6,510.00
Upgrades to address pump cycle time issues	\$55,070.00
Fire Pump Repairs	\$16,300.00
Address Safety Issues	\$4,810.00
Total	\$92,820.00

**STATE OF ARIZONA
SCHOOL FACILITIES BOARD**

Meeting Date: January 7, 2015

Agenda Item V.c.

Subject: V. Building Renewal Grant Requests

**c. Consideration and possible vote to accept, reject or modify
Building Renewal Grant Requests (construction awards)**

**Bullhead City Elementary
Catalina Foothills Unified
Gilbert Unified
Scottsdale Unified (3 requests)**

Background – Bullhead City Elementary (Desert Valley ES – repair water softener)

Bullhead City Elementary has submitted a Building Renewal Grant request for repairs to the water softener serving the kitchen Building 1006 at Desert Valley Elementary School.

Bullhead City Elementary, located 200 miles northwest of Phoenix along the Colorado River, consists of seven schools. Desert Valley Elementary School is comprised of six buildings constructed between 1979 and 1985, totaling 74,312 square feet. Building 1006 was built in 1985, totaling 4,860 square feet.

The district received a cost estimate of \$1,420 for the repair.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Bullhead City Elementary (Desert Valley ES – repair water softener)

Staff recommends that Bullhead City Elementary be awarded \$1,800 in Building Renewal Grant funding to repair the water softener serving the kitchen Building 1006 at Desert Valley Elementary School. This includes \$380 in contingency that will only be used with SFB staff approval.

Background – Catalina Foothills Unified (Catalina Foothills HS – replace two cooling towers)

Catalina Foothills Unified has submitted a Building Renewal Grant request for the replacement of two 450-ton cooling towers at Catalina Foothills High School. The district contracted with a mechanical engineer to provide an evaluation of the existing 22 year old cooling towers.

Catalina Foothills Unified, located in the Tucson metropolitan area, has eight schools. Catalina Foothills High School is comprised of twenty-one buildings constructed between 1993 and 2012, totaling 349,971 square feet.

The two cooling tower basins have failed. The engineer has submitted the evaluation report to include an estimated construction cost and proposal for design services. The engineering cost

is \$11,900 and the estimated construction is \$326,502 (includes \$25,612 in contingency). The replacement of the two towers and engineering is estimated at \$338,402.

The district funded the engineer's initial evaluation.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Catalina Foothills Unified (Catalina Foothills HS – replace two cooling towers)

Staff recommends that Catalina Foothills Unified be awarded \$338,402 in Building Renewal Grant funding for the design and replacement of two 450-ton cooling towers at Catalina Foothills High School. This includes \$25,612 in contingency that will only be used with SFB staff approval.

Background – Gilbert Unified (Gilbert JHS - roof replacement)

Gilbert Unified has submitted a Building Renewal Grant request for the restoration / replacement of the foam roofs on Buildings 1004, 1005 and 1007 at Gilbert Junior High School.

Gilbert Unified, located 25 southeast of downtown Phoenix, has 40 schools. Gilbert Junior High School is comprised of twelve buildings constructed between 1979 and 2007, totaling 114,841 square feet. Below is a breakdown of each building.

Building No.	Year Built	Square Footage
1004	1987	10,473
1005	1985	11,876
1007	1985	2,958
	Total	25,307

Staff has visited the site and confirms the roofing system is in need of replacement. The district received a proposal for construction bid documents for \$14,894 and a construction estimate of \$169,500, for a total of \$184,394.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Gilbert Unified (Gilbert JHS – roof replacement)

Staff recommends that Gilbert Unified be awarded \$212,894 in Building Renewal Grant funding for replacement of the roofs on Buildings 1004, 1005 and 1007 at Gilbert Junior High School. This includes \$5,000 for an asbestos survey, \$5,000 for a structural analysis and \$18,500 in contingency that will only be used with SFB staff approval.

Background – Scottsdale Unified (Arcadia HS – repair cooling tower piping) Request 1 of 3

Scottsdale Unified has submitted a Building Renewal Grant request for the repair/replacement of steel piping serving the cooling tower at Arcadia High School.

Scottsdale Unified has 36 schools. Arcadia High School is comprised of ten buildings constructed between 1959 and 2008, totaling 266,695 square feet.

The district received proposals for this repair; the lowest was \$3,897.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Scottsdale Unified (Arcadia HS – repair cooling tower piping)

Staff recommends that Scottsdale Unified be awarded \$4,397 in Building Renewal Grant funding for the repair of the cooling tower piping at Arcadia High School. This includes \$500 in contingency that will only be used with SFB staff approval.

Background – Scottsdale Unified (Hohokam ES – repair cooling tower) Request 2 of 3

Scottsdale Unified has submitted a Building Renewal Grant request for the replacement of the cooling tower at Hohokam Elementary School.

Scottsdale Unified has 36 schools. Hohokam Elementary School is comprised of thirteen buildings constructed between 1960 and 2002, totaling 77,030 square feet.

Staff has visited the school and believes the cooling tower is capable of meeting the required condensing temperatures; however, the water distribution box within the unit has separated and requires removal and re-welding. The repair will allow the tower to continue to operate at a cost of \$7,998. An estimate for replacement of the entire cooling tower was \$35,433 (design not included).

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Scottsdale Unified (Hohokam ES – repair cooling tower)

Staff recommends that Scottsdale Unified be awarded \$9,998 in Building Renewal Grant funding for the repair of the cooling tower at Hohokam Elementary School. This includes \$2,000 in contingency that will only be used with SFB staff approval.

Background – Scottsdale Unified (Hohokam ES – replace domestic water line) Request 3 of 3

Scottsdale Unified has submitted a Building Renewal Grant request to replace 80 feet of 2 inch galvanized water line serving Building 1005 at Hohokam Elementary School.

Scottsdale Unified has 36 schools. Hohokam Elementary School is comprised of thirteen buildings constructed between 1960 and 2002, totaling 77,030 square feet. Building 1005 was built in 1960 totaling 7,941 square feet.

The district received proposals for this repair; the lowest was \$2,975.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Scottsdale Unified (Hohokam ES – replace domestic water line)

Staff recommends that Scottsdale Unified be awarded \$3,975 in Building Renewal Grant funding to replace the domestic water line serving Building 1005 at Hohokam Elementary School. This includes \$1,000 in contingency that will only be used with SFB staff approval.

Board Action Requested: [] information [X] action / described below

1. Board approval of the staff recommendation that **Bullhead City Elementary** be awarded \$1,800 in Building Renewal Grant funding to repair the water softener serving the kitchen Building 1006 at Desert Valley Elementary School. This includes \$380 in contingency that will only be used with SFB staff approval.\
2. Board approval of the staff recommendation that **Catalina Foothills Unified** be awarded \$338,402 in Building Renewal Grant funding for the design and replacement of two 450-ton cooling towers at Catalina Foothills High School. This includes \$25,612 in contingency that will only be used with SFB staff approval.
3. Board approval of the staff recommendation that **Gilbert Unified** be awarded \$212,894 in Building Renewal Grant funding for replacement of the roofs on Buildings 1004, 1005 and 1007 at Gilbert Junior High School. This includes \$5,000 for an asbestos survey, \$5,000 for a structural analysis and \$18,500 in contingency that will only be used with SFB staff approval.
4. Board approval of the staff recommendation that **Scottsdale Unified** be awarded \$4,397 in Building Renewal Grant funding for the repair of the cooling tower piping at Arcadia High School. This includes \$500 in contingency that will only be used with SFB staff approval.
5. Board approval of the staff recommendation that **Scottsdale Unified** be awarded \$9,998 in Building Renewal Grant funding for the repair of the cooling tower at Hohokam Elementary School. This includes \$2,000 in contingency that will only be used with SFB staff approval.
6. Board approval of the staff recommendation that **Scottsdale Unified** be awarded \$3,975 in Building Renewal Grant funding to replace the domestic water line serving Building 1005 at Hohokam Elementary School. This includes \$1,000 in contingency that will only be used with SFB staff approval.

Attachments: Yes [X] No []

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 Building Renewal Grant Fund

District: **Bullhead City Elementary**
 BRG Project Number: **080415105-1006-015BRG** Mohave County
 Project Description: **Repair water softener**
 Architect of Record: **n/a**
 Contractor: **Clear Water Systems (928-768-8688)**
 Board Approval: **1/7/2015**

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost	\$ 1,420
Contingency ①	\$ 380
Architecture / Engineering (A&E) Fees	\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection	\$ -
Total Additional Cost:	\$ -
Total SFB Funded Project Cost:	\$ 1,800
District Share (Local Funds):	\$ -
SFB Board Approved Amount:	\$ 1,800
Total Project Cost:	\$ 1,800

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 11/26/2014 5:37:00 PM

Application ID: 1681

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Bullhead City Elementary District

Superintendent: Riley Frie

Contact Person: John Wawrzynek

Contact Phone Number: 928-444-7529

Contact Email: jwawrzynek@bullheadschoos.com

School Site: Desert Valley Elementary

Buildings: 1066
1001 - A1000 A600 -

Application Title: Water Softner Repairs

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

The water softener that services our kitchen has failed. This provides softened water to our Appliances in the kitchen. we have just installed a \$30,000.00 Dishwasher we need to have this repaired ASAP as not to damaged our high dollar equipment due to the harsh water supply that we have. Repair Quote will follow. This kitchen provides meals to other schools for the children. We are under a timeline as the system has been put on bypass thus straight domestic city water is being supplied to the kitchen Appliances, and equipment ETC.

Project Category: Plumbing

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project	\$0.00
--	--------

Please outline any associated insurance coverage.

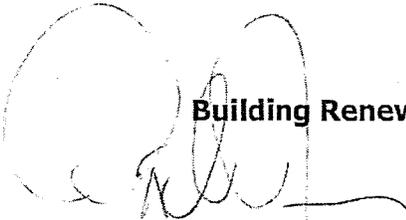
N/A

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139

Riley Frie
Superintendent Printed Name



Building Renewal Grant Application

Superintendent Signature

12/3/14
Date



Clear Water Systems



FOR ALL YOUR WATER FILTRATION NEEDS
"THE CHOICE IS CLEAR"

clearwatersys@frontiernet.net

Owner: Bill Terrones

Water Softening * Purification * Sales & Service * Residential & Commercial

8491

1300 Stony Tr., Fort Mohave, AZ 86426

Phone: (928) 768-8688

Fax: (928) 768-8641

ROC # 224184

CUSTOMER WORK ORDER

Name: Bullhead elementary school dist. 16 Date: NOV. 25, 2014

Address: 1066 Marina Blvd - Desert Valley

City: Bullhead city State: AZ. Zip Code: 86442

Mailing Address: GCA SERVICES

Attn: John Wawrzynek Phone: 758 6606 444 7529

Recommended By: _____ Installation Date: _____ E-mail: _____

Occupants _____ Est. G.P.D. _____ PSI _____ TDS _____ Hardness 30g.

Clear Water not responsible for damage due to water pressure exceeding 80psi.

Full Line Pipe Size 2" New Connection Auto Pre Plum Ice Line Outside Garage Other

Hot water only - for cafeteria

Equipment Purchase

No. _____ Model _____ Description _____ Price _____

1	2900	Control valve & timer complete for 8 cubic foot water softener	\$ 1200.00
		2" brass w/ 112 gpm flow rate	

Instructions: Estimate bid on replacement of valve & timer on water softener.

Equipment Total	\$
Basic Connection Charge	\$
Material	\$
Additional Plumbing Charge	\$ 125.00
Service/Labor	\$
Salt lbs. @ per	\$
Tax .0785%	\$ 94.20
Total Charges	\$ 1419.20

Cash Check Less Received With Order: \$

Cash on Job Completion When Billed Balance Due to Be Paid: \$

Thank you!
Bill Terrones

I have read and understand the terms and conditions of this document.

Representative

Buyer's Signature _____ Date _____

Buyer's Signature _____ Date _____

DESERT VALLEY ESTIMATE

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Catalina Foothills Unified**
BRG Project Number: 100216206-9999-001BRG Pima County
Project Description: Replace two cooling towers
Consultant: Kelly Wright & Associates (520-887-1919)
Contractor: TBD
 Board Approval Date: 1/7/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost:		\$ 300,890
Contingency ①		\$ 25,612
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ 11,900
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ 11,900
Total SFB Funded Project Cost:		\$ 338,402
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 338,402
Total Project Cost:		\$ 338,402

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 12/3/2014 12:29:04 PM
Resubmittal Date: 12/8/2014 2:32:46 PM

Application ID: 1698

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Catalina Foothills Unified District
Superintendent: Mary Kamerzell
Contact Person: Douglas L. Huie
Contact Phone Number: 520-209-8508
Contact Email: dhuie@cfsd16.org; bmcnitt@cfsd16.org;
School Site: Catalina Foothills High School
Buildings: 9999 School Wide

Application Title: Catalina Foothills High School Cooling Tower Replacement

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

Existing Cooling towers are in poor condition and require replacement.
School District has retained Kelly Wright & Associates to do an Assessment report which does suggest replacement.

Project Category: HVAC

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

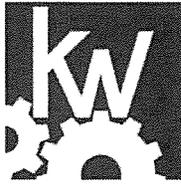
Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

Liaison: Cruse pcruse@azsfb.gov 602-364-1193

Mary Kamerzell
Superintendent Printed Name
Mary Kamerzell
Superintendent Signature

12/9/14
Date



PROPOSAL

Project Name: Catalina Foothills High School Cooling Tower Replacement

Project Address: 4300 E. Sunrise Drive
Tucson, Arizona

Job Number: 14104

Date: November 17, 2014

Client: Catalina Foothills School District #16
4300 E. Sunrise Drive, Tucson, AZ 85718

Engineer: Kelly, Wright & Associates, P.C.

Project Description:

Existing multiple water-cooled chiller central plant serving large high school campus. This project involves the design for the replacement of the existing cooling towers.

Scope of Basic Services:

GENERAL:

- This project will be drawn in AutoCAD as 2D.
- Project specifications will be placed on the drawings (plan notes).
- A minimum of one site visit will be required during the design phase. Site visit purpose is to verify obvious existing conditions. Timing will be at Engineer's discretion and coordinated with Client.
- Preparation of one estimate of Engineer's opinion of construction cost is included. Estimates shall not be assumed to be related to the actual cost of construction.
- Revise drawings and issue written response letters to Authority Having Jurisdiction review comments.

Drafting:

- Create schematic floor plans (CAD backgrounds) from existing PDF drawings to illustrate the new scope of work. Drawings will be drawn in AutoCAD as 2D. Drawings will include building outline and schematic rooftop unit locations.

HVAC:

- Design replacement cooling tower and associated piping modifications to accommodate the proposed replacement towers.
- Design will include scheduling of new equipment based on existing drawing data.
- Design of controls modifications to accommodate the new cooling towers.

Plumbing:

- Design of modifications to the existing domestic water systems and waste and vent systems as necessary to accommodate the new cooling tower configuration and location.

Fire Protection: NO SCOPE.

Structural: DESIGN BY ENGINEERING SUB-CONSULTANT TO ENGINEER

- Analyze existing cooling tower support structure and propose modifications to accommodate new cooling tower.

Electrical: DESIGN BY ENGINEERING SUB-CONSULTANT TO ENGINEER

- Design electrical modifications to support the proposed cooling towers in place of the existing.

Construction Administration:

- Three (3) construction field observation visits by the Mechanical Engineering firm with written reports are included. Engineer will perform visits based on Client requests.
- Review of mechanical Submittals.
- Review and response to RFI's.
- Record drawing documentation (drafting of contractor-provided as-built conditions in CAD).
- Special Structural Inspection: includes site visit with report. After special inspection construction is completed to the inspector's satisfaction, Structural Engineer will seal a special inspection certificate stating to the best of the Engineers knowledge the requirements of the construction documents and chapter 17 of the 2012 IBC have been complied with.

Commissioning: NO SCOPE

Assumptions:

- IECC exclusion: Commissioning per section C408 is not required or will be provided by Others.
- Project will not be certified / rated by LEED or other agency and basic services does not include calculations & documentation for LEED or other similar programs – no report generation required.
- Project costs such as permit fees, plan review costs, special inspections, etc. are provided by Others.
- Design will be based on existing drawing schedules. Mechanical engineering calculations not required.
- No Measurement and Verification (M&V) scope.
- Adequate sewer capacity and invert depth will be available to the project to design the waste systems utilizing gravity only.
- Adequate water pressure and water supply capacity will be available to the project to design the domestic water supply system without requiring booster pumps.
- Adequate electrical service will be available to accommodate the HVAC systems.
- Arc flash calculations for the electrical system not included.
- No geotechnical scope.
- Life Cycle Reports, System Comparison Reports, Feasibility Studies, and similar documents are not included.
- Existing equipment to remain is assumed to have adequate capacity, be code compliant, and be in good condition for the anticipated re-use. Existing equipment will not be verified as part of this project.

Deliverables:

The Engineer's instruments of service will be provided in electronic form. Hard copies are not included. Documents will be provided in PDF format. Copies of CAD files will be provided at the direction of Client.

Compensation for Basic Services:

The Engineer will be compensated for the basic services based on a fixed fee basis per the table below.

Phase / Item Description	FEE
Mechanical Construction Documents phase	\$ 4,400
Mechanical Construction Administration phase (includes up to 3 site visits)	\$ 1,100
Structural Construction Documents phase	\$ 1,600
Structural Construction Administration phase (includes 1 special structural inspection)	\$ 1,000
Electrical Construction Documents phase	\$ 3,000
Electrical Construction Administration phase (includes RFI review only)	\$ 800
Total	\$11,900

Client's Responsibility:

- The Client shall make available to the Engineer full information on the Client's intent with regard to the project's requirements.
- The Client will keep the Engineer advised of any changes to the project requirements that may affect the Engineer's work.
- The Client shall provide architectural, civil, structural, electrical, and other consultant's drawings, design information, and/or documents to the Engineer for review and use during the project design.

Additional Services:

- Services and/or consultation not specified and/or in excess of those indicated in the Scope of Basic Services.
- Revisions to previously approved drawings and documents.
- Client requested field trips will be billed at four hundred dollars (\$400) per trip.

Reimbursable Expenses:

The Client will reimburse the Engineer for the direct cost of each of the following:

- Printing, reproduction, and duplication of documents not used for Engineer's own purposes.
- Postage and special delivery service.
- Any tax imposed on the Engineer's services shall be reimbursed at 100% of the actual cost.

Hourly Rates:

Engineering Director.....	\$ 150.00	Designer.....	\$ 75.00
Engineer.....	\$ 100.00	Clerical.....	\$ 30.00
Project Manager / Senior Designer.....	\$ 85.00		

Other Conditions:

- This agreement entered into as of the date indicated on the first page.
- The laws of the State of Arizona shall govern this Agreement.
- The Engineer will not begin work on the project or perform any additional services without an executed Agreement.
- The terms and conditions set forth in the Agreement shall be in effect for a period not to exceed six (6) calendar months from the date of acceptance. In the event that terms and conditions of this Agreement have not been completed in that time, the terms of this Agreement shall become negotiable by both parties.
- The Engineer will invoice the Client monthly, based upon the percentage of completion, and/or at the time of submission of each phase of service. Payment is due upon presentation of the invoice unless a separate signed contract between the Client & Engineer establishes a different arrangement for payment.
- Interest may be charged on past due accounts at the rate of one and one half percent (1.5%) per month to accounts outstanding more than 30 days.
- The Engineer reserves the right to suspend the performance of services, without waiving any claim or right against the Client, and without liability whatsoever to the Client, if invoices have not been paid within 30 days.
- The Engineer shall not be responsible for the acts or omissions of the Client, Client's other consultants, Contractors, Subcontractors, their agents or employees, or other persons performing any of the Work. The Client agrees, to the fullest extent permitted by law, to indemnify and hold harmless the Engineer from any liabilities, damages and costs (including reasonable attorney fees and cost of defense) to the extent caused by the negligent acts, errors or omissions of the Client, Client's other consultants, Contractors, Subcontractors, their agents or employees, or other persons performing any of the Work.
- Engineer is not responsible or liable for any hazardous materials found on the project site, job site safety, or construction means and methods. All hazardous materials encountered on the site are the responsibility of the owner(s). Job site safety and construction means and methods are the responsibility of the contractor(s).
- Cost estimates, life cycle reports, energy calculations, water consumption estimates, and similar calculations performed by the Engineer represent the Engineer's experience and best judgment and are not guarantees.
- The parties agree that there shall be no assignment of this contract unless mutually agreed upon in writing.
- The Agreement may be terminated by either party upon seven (7) calendar days written notice should the other party fail substantially to perform in accordance with its terms through no fault of the party initiating the termination. The Engineer shall be due compensation for services rendered up to date of notification of termination, reimbursable expenses and reasonable termination expenses.
- All disputes arising out of or related to this Agreement shall be submitted to non-binding mediation as a condition precedent to litigation. If any dispute that is submitted to mediation is not successfully resolved, the matter may be resolved through litigation in a court of competent jurisdiction in Pima County, Arizona.
- In the event of any litigation arising from or related to the services provided under this Agreement, the prevailing party will be entitled to recovery of all reasonable costs incurred, including staff time, court costs, expert fees, attorney's fees, and other related expenses.
- Engineer is entitled to rely on the accuracy and completeness of information, documents, and/or designs provided by others. Engineer shall have no obligation to verify the information or design's correctness. Client and Owner shall waive all claims against Engineer relating to information, documents, and designs provided by others and shall indemnify Engineer for all losses, cost and damages incurred.
- Client shall obtain Engineer's prior written consent before making any changes to plans and specifications prepared by the Engineer. Client and Owner shall waive all claims against Engineer relating to unauthorized changes to plans and specifications prepared by the Engineer and shall indemnify Engineer for all losses, cost and damages incurred.
- Engineer shall retain ownership of the instruments of service and the information contained in them. Client & Owner shall not modify the instruments of service and/or reuse them in connection with any other project.
- ELECTRONIC FILES: Client agrees not to reuse electronic files, created by the Engineer, in whole or in part, for any purpose or project other than the project that is the subject of this Agreement. Client agrees not to transfer these electronic files to others without the prior written consent of Engineer. Client further agrees to waive all claims against Engineer resulting in any way from any unauthorized changes or reuse of these electronic files for any other project by anyone other than Engineer. Client is aware that differences may exist between the electronic files delivered and the printed hard copy construction documents. In the event of a conflict between the signed construction documents prepared by Engineer and electronic files, the signed and stamped or sealed hard copy construction documents shall govern. In addition, Client agrees, to the fullest extent permitted by law, to indemnify and hold harmless Engineer, its officers, directors, employees, agents and

subconsultants against all damages, liabilities or costs, including reasonable attorneys' fees, court costs and defense costs, arising from the use of the electronic files.

Please let us know if you wish additional information or clarification of our proposal. If you are in agreement with and wish to authorize us to proceed with the project as delineated herein, please sign one copy and return to our office. We sincerely appreciate your consideration of our firm. We look forward to helping you with this challenging and important project.

Sincerely,
Kelly, Wright & Associates, P.C.



Digitally signed by Donovan
Kelly
Date: 2014.11.17 15:44:23
-07'00'

Donovan F. Kelly, P.E.
President

Accepted By:
Catalina Foothills School District #16

Client Signature

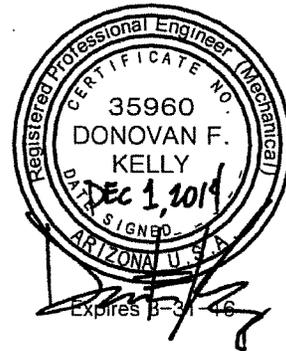
Printed Name and Title

**Mechanical Assessment of the
Cooling Towers
at
Catalina Foothills High School
Catalina Foothills Unified School District #16**

Project Location:

Catalina Foothills High School
4300 E. Sunrise Drive
Tucson, AZ

December 1, 2014



www.kwmech.com
KWA PROJECT NO. 14090

EXECUTIVE SUMMARY

This project involves two existing 450 ton cooling towers serving the water cooled chillers at this campus. It is the recommendation of this report that both of these existing cooling towers be replaced with a new system of similar type, capacity and configuration. Repairing these towers is not recommended due to the existing conditions and estimated cost to repair. Mechanical costs related to this project include:

- The Engineer's estimated probable mechanical cost of construction is \$326,500. Refer to Appendix 1 for breakout of costs. Note that our cost estimates include contingency and overhead allowances.
- The Engineering fees for the design phase of the unit replacements, including electrical modifications and structural evaluation of the tower supports is estimated at \$9,000.
- We estimate that an additional \$2,900 should be included in the project budget to cover construction administration phase services by the engineering team.
- Total project budget = \$338,400

EXISTING CONDITIONS

There are three cooling towers in a common yard that serve a 3 chiller central plant. The school tells us that during the summer, both of the 450 ton chillers and towers are required to operate. In off peak seasons, the smaller chiller and associated tower is capable of handling the load. There is a plate and frame heat exchanger but the school tells us that it has a broken nozzle and therefore cannot be used. The tower yard is contained by solid masonry walls. There is a shed roof cover over the tower water treatment drums in one corner of the yard. Also in the yard are an air handling unit, an emergency generator and a sand filter basin sweeper system. The basin sweeper system has been disabled for years.

The following information for the two large existing towers (this project) was obtained from our site visit and from submittals provided by the Tucson BAC rep (Custom Air Solutions). Kelly, Wright & Associates visited the site on November 25th and met with Russ Gilfoy (CFUSD mechanic familiar with the installation).

Item	Manufacturer	Model / Capacity	Construction	Year Built
Cooling Tower #1 (north)	Baltimore Aircoil Company (BAC)	3458 PS, 450 tons, 1350 GPM, 95/85 at 78 WB, 25HP	Galvanized with FRP sidewalls and water basins	1992 (22 years old)
Cooling Tower #2 (north)	Baltimore Aircoil Company (BAC)	3458 PS, 450 tons, 1350 GPM, 95/85 at 78 WB, 25HP	Galvanized with FRP sidewalls and water basins	1992 (22 years old)

This project's towers were originally fitted with two motors. One 25HP and one 7.5HP "pony motors" to provide 2-speed fan operation. The pony motor has been abandoned in place and the main motor has been upgraded and fitted with a VFD. The VFD driven motor HP was not verified.

The original submittals indicate that these towers were shipped with sump heaters and sump sweeper piping. Per the school, the sump heaters were never used and the sump piping has been rendered useless by virtue of the sand filter system being disabled. A valve on the sweeper piping was leaking at the time of our visit.

Per the submittals, the towers were originally constructed with FRP hot and cold water basins. Based on our observations and discussions with the school, the FRP basins have failed.

The condenser water piping was originally insulated with fiberglass and jacketed with aluminum. Over time, it is clear that the aluminum jacketing became damaged which allowed water to infiltrate the fiberglass pipe insulation. The result is extensive corrosion of the exterior of the steel condenser water piping. The school has started to remove the insulation exposing these conditions.

Some photos of representative existing conditions are included in Appendix 2.

Cooling Tower Assessment for CFHS

DEFICIENCIES

The extent of the corrosion on these towers and the associated piping is staggering. In general, every steel part of these towers is heavily corroded. We are concerned that the steel structure has corroded to the point of near failure. The side structure was so corroded that the school had to flip the access door in order to get enough metal to hold the hinge screws. We believe that the original FRP cold water basin was removed and the FRP hot water basins were replaced. The cold water basin has rusted thru in multiple locations. The hot water basins appear to have been coated with something in the past which has now delaminated and separated into small chunks, clogging the nozzles. The interior pipe supports that hold the condenser water piping between the hot water basins did not appear to be structurally sound due to the amount of rust.

The corrosion to the exterior surface of the piping is significant. Without viewing the interior of the pipes, we cannot say how much of the wall thickness has been eroded away. Since the couplings were in the insulation, they too are extremely corroded. The piping supports are heavily corroded as well. Refer to Appendix 2.

In addition to the structural issues, the fill was covered with calcium build-up and showed signs of damage. The towers were not running at the time of KWA's site visit, so we cannot comment on the fan vibration or function.

The chemical injection ports from the condenser water treatment system are clogged. They were installed on the bottom of the piping and are likely plugged with sediment.

PROPOSED CORRECTIONS

Both of the 450 ton towers should be replaced with like-sized units configured to have water connections matching the existing conditions (to minimize piping modifications). The new towers should have variable speed fans, like the existing. The new towers should be complete with sweeper system piping connections.

The existing tower basin system sweeper system should be replaced. Even if the existing sweeper system is not replaced in this project, we feel that it should be soon and therefore warrants the investment in the towers being plumbed for it as part of this project.

New chemical injection ports should be added to the condenser water mains. The chemical water treatment system should be evaluated and the water treatment chemistry checked as part of the new tower install.

The insulation on the condenser water piping should be completely removed. The steel condenser water piping should be replaced but we will include an option to have it cleaned, primed and painted. Corroded fittings and couplings should be replaced and the new parts painted.

The concrete piers should be evaluated by a structural engineer for suitability for re-use. The steel piping supports should be replaced.

APPENDIX 1: CONSTRUCTION COST ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST
1	Demo existing tower	2.0	EA	\$ 4,000	\$ 8,000
2	Demo domestic cold water for make-up	1.0	LS	\$ 500	\$ 500
3	Demo misc condenser piping to install new towers	50.0	LF	\$ 23	\$ 1,125
4	New 450-ton cooling tower (including ladder and railings) and nearby piping	2.0	EA	\$ 102,500	\$ 205,000
5	Misc condenser water piping to replace heavily corroded piping in yard	1.0	LS	\$ 4,000	\$ 4,000
6	Misc piping supports in yard	12.0	EA	\$ 800	\$ 9,600
7	Controls (connect new towers to existing system)	1.0	LS	\$ 3,000	\$ 3,000
8	Water treatment: flush new piping & rebalance chemistry of new water to existing conditions	1.0	LS	\$ 9,000	\$ 9,000
9	Test and balance, tower & condenser water pumps	2.0	EA	\$ 745	\$ 1,490
10	Electrical allowance per tower	2.0	EA	\$ 2,200	\$ 4,400
11	Structural allowance - tower supports	1.0	LS	\$ 10,000	\$ 10,000
12					
13					
14					
A.	SUBTOTAL CONSTRUCTION COST				\$ 256,115
B.	Contingency	10.0%		of Line A	\$ 25,612
C.	General Conditions, project management	7.0%		of Line A+B	\$ 19,721
D.	Sales Tax (Tucson)	5.92%		of Line A+B+C	\$ 17,831
E.	Insurance	1.0%		of Line A+B+C+D	\$ 3,193
F.	SUBTOTAL CONSTRUCTION COST INCLUDING MARK-UPS				\$ 322,471
G.	Bond	1.25%		of Line F	\$ 4,031
H.	TOTAL CONSTRUCTION COST ESTIMATE				\$ 326,502

This estimate represents the engineer's opinion of a rough order of magnitude of construction costs and shall not be construed as being related to the actual cost of construction in any way. The Engineer has no control over market conditions, costs or availability of labor, bidding procedures, contractor's bids, etc. This estimate does not constitute a guarantee that actual costs will not exceed estimated costs.

Catalina Foothills High School
 Replace Cooling Towers



Pre-design Estimate - December 2014

Cooling Tower Assessment for CFHS

APPENDIX 2: PHOTOS OF EXISTING CONDITIONS

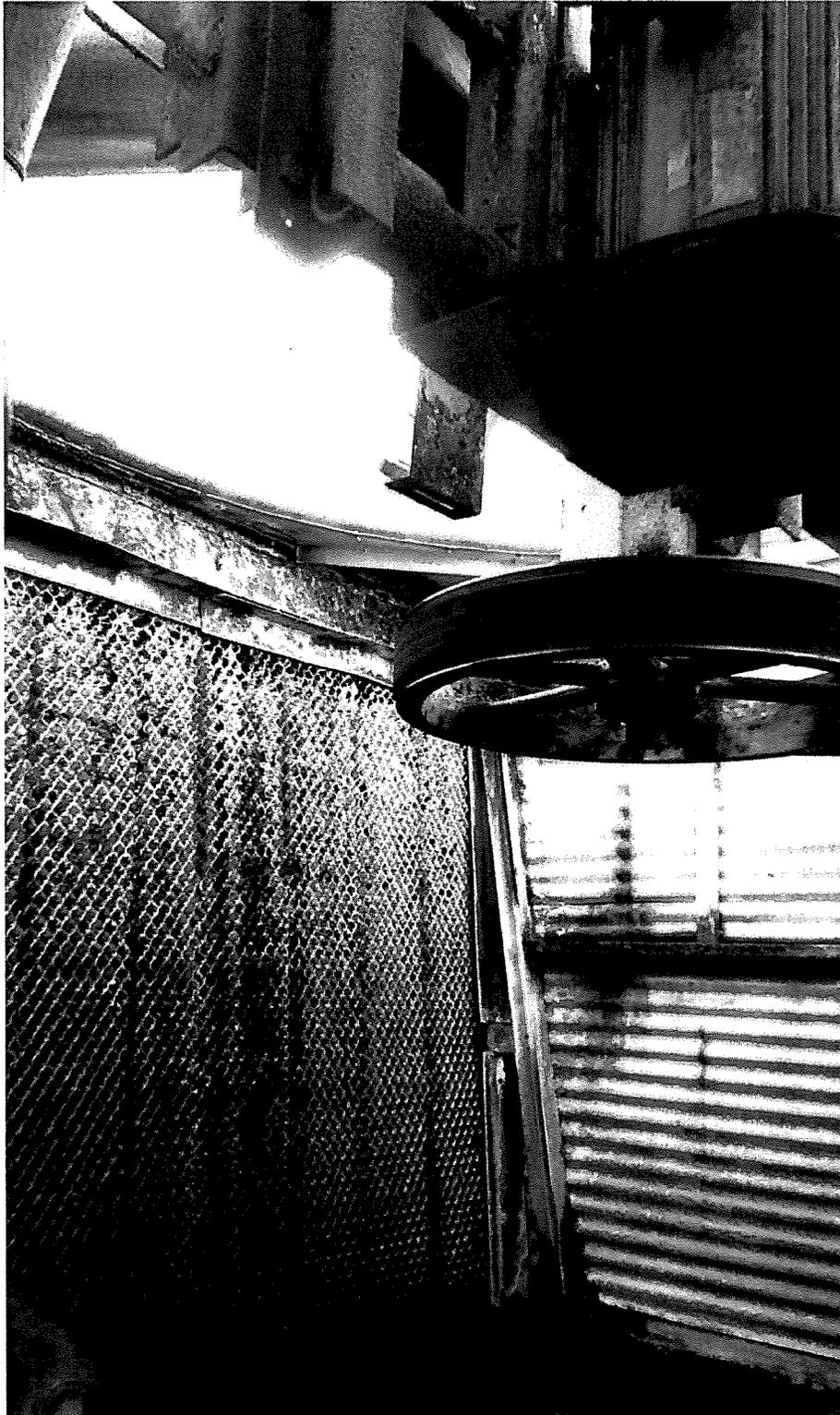


Photo 1: Typical interior of cooling tower. Fan is overhead in photo. Corrugated side panels are FRP.

Cooling Tower Assessment for CFHS



Photo 2: Repair to bottom of cold water basin.



Photo 3: Typical concrete pier below tower.

Cooling Tower Assessment for CFHS



Photo 4: Example of corrosion on condenser water piping with insulation removed. This section of piping is below the tower (not be subjected to the weather).

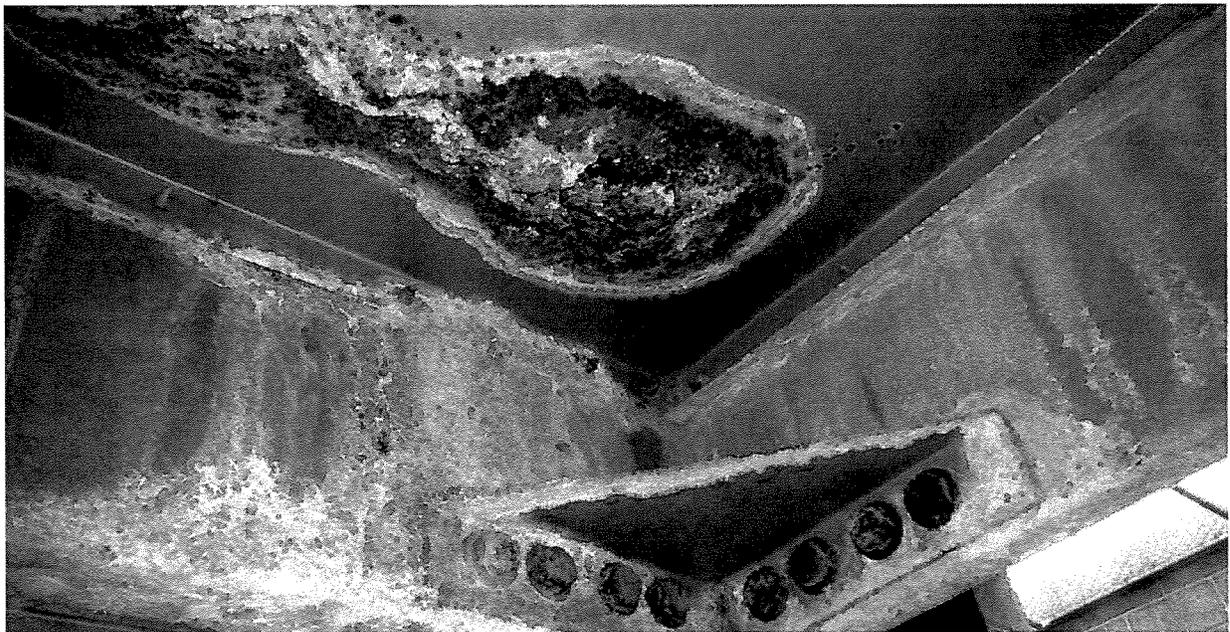


Photo 5: Example of corrosion thru the bottom of the cold water basin.

Cooling Tower Assessment for CFHS

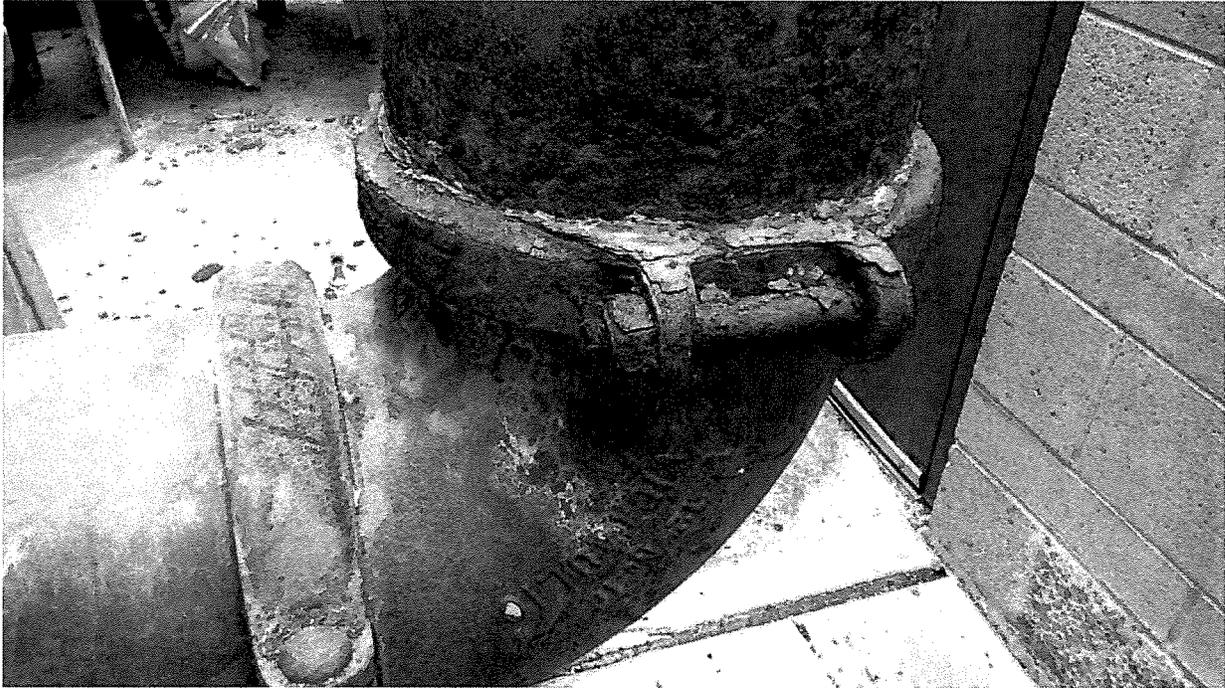


Photo 6: Example of corrosion at fitting and coupling after removing insulation. Note some piping is included in the estimate to cover the replacement of piping and couplings such as this which cannot be re-used.



Photo 7: Typical hot water basin showing chips of failed coating material in nozzles.

Cooling Tower Assessment for CFHS



Photo 8: Looking up into fan section of one tower. Top sheetmetal has rusted thru.



Photo 9: Example of corroded side structure. Also note scale on FRP panel to the left.

Cooling Tower Assessment for CFHS



Photo 10: Example of corrosion thru the side of the cold water basin. Black paint was applied to stop spread of rust.

Cooling Tower Assessment for CFHS

Building Renewal Grant Application

Initial Submission Date: 10/16/2014 3:32:52 PM

Application ID: 1609

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Gilbert Unified District
Superintendent: Dr. Christina Kishimoto
Contact Person: Stan Peterson
Contact Phone Number: 480-373-0460
Contact Email: stan.peterson@gilbertschools.net
School Site: Gilbert Junior High School
Buildings:
1004 BUILDING D-1
1005 BUILDING D-2
1007 BUILDING E-2

Application Title: Roof replacement

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

There are four roofs that have deteriorated, causing leaks which is starting to create interior damage and are in need of replacement. The areas are marked on the attached aerial view of the campus. Also attached are pictures of the roofs in the areas of concern. The scope of work is to include removing the existing foam roofing, all abandoned equipment, removing, sealing and re-setting the downspouts, and installing a built-up roof and coating. One estimate has been received with a total of \$234,779.

Project Category: Roofing

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

The roof problems are age related rather than an occurrence covered by insurance covered by insurance. Due to the lack of building renewal funds the unrestricted capital has been budgeted to take care of other building needs that have been identified.

Liaison: Cruse

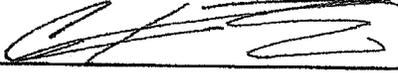
pcruse@azsfb.gov

602-364-1193

10/16/2014 3:32:51 PM

Building Renewal Grant Application

Dr. Christina M. Kishimoto
Superintendent Printed Name

CTM 
Superintendent Signature

10/30/14
Date

PROPOSAL

PROJECT IDENTIFICATION

PROJECT NAME	Gilbert Public Schools
PROJECT	Gilbert Junior High School
SITE ADDRESS	1016 N. Burk St. Gilbert, AZ 85212

PROPOSAL

This proposal, dated this day of December 12, 2014, is between Gilbert Public Schools ("Client") and WRECORP (Western Roof Evaluation Corporation) ("Consultant") to set forth and further define the Scope of Services for the project generally referred to as Roof Inspection. If accepted this document shall form an agreement between the client and the consultant.

Client and Consultant, after negotiation, have defined the Scope of Services as follows:

- Evaluate existing roof and ascertain conditions that determine the factors for replacement and design.
- Create a scope of work and specification.
- Create CAD of roof foot print.
- Create construction details.
- Conduct pre-bid meeting with chosen contractors and manufacturers.
- Review submittals and schedule from chosen contractor.
- Conduct pre-roofing meeting with contractor, manufacturer and client.
- Provide quality assurance monitoring two days a week. Photo documented reports for each day's monitoring.
- Conduct a punch list inspection after completion of work.
- Conduct a close out inspection.
- Create a close out book in 3 ring binder and electronic disk.

Fees: \$14,894.00

Compensation for services and terms of payment shall be as follows: Due upon receipt of invoice.

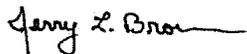
Limitations on Consultant's Responsibility, Indemnity & Insurance

Client acknowledges that Consultant is performing professional service on behalf of Client and in the event claims, losses, damages or expenses are caused by the negligence of Client, contractors or both, Client agrees to indemnify and hold harmless Consultant, and Consultant's officers, employees, agents and representatives, from and against liability for all Professional Liability claims, losses, damages and expenses whether or not insured, including reasonable attorney's fees.

WRECORP (Western Roof Evaluation Corporation)

Consultant

By:



12/3/2014

Signature in ink

Date

Name: Jerry L. Brown

Title: President

Owner

By:

Signature in ink

Date

Name:

Title:

Pat Cruse

From: Jerry Brown [Jerry@wrecorp.com]
Sent: Wednesday, December 03, 2014 4:09 PM
To: steve.wells@gilbertschools.net
Cc: Pat Cruse
Subject: Gilbert Junior High
Attachments: Gilbert Junior High Roof Consulting Proposal 12-3-14.pdf

Steve

As we discussed there is no economical or ethical way to restore that roof. All of the problems are stemming from the original roof and driving up into the top roof. My proposal is to finish the examination of the roof and details then design a new system and administer the installation to completion of the project. Please review the details within the proposal and let me know if you want anything different.

The budget for this roof is an approximate based on normal contractor pricing:

T/O and install new roof: \$150,000.00
R & R of 10 HVAC units: \$12,500.00
Extensions of curbs, conduits and lines: \$7,000.00

Budget \$169,500.00 plus contingency for bad decking at a minimum of 10%.

Jerry L. Brown, RRO
Roof Consultant
6829 W. Corrine Dr.
Peoria, AZ 85381

Office: 623-878-7117
Cell: 602-571-8803

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 Building Renewal Grant Fund

District: **Scottsdale Unified**
 BRG Project Number: **070248292-9999-028BRG**
 Project Description: **Repair cooling tower piping**
 Architect of Record: n/a
 Contractor: **EMCOR Services (602-314-3186)**
 Board Approval: 1/7/2015

Maricopa County

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost (cost estimate provided by architect or contractor)	\$ 3,897
Contingency ①	\$ 500
Architecture / Engineering (A&E) Fees	\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection	\$ -
Total Additional Cost:	\$ -
Total SFB Funded Project Cost:	\$ 4,397
District Share (Local Funds):	\$ -
SFB Board Approved Amount:	\$ 4,397
Total Project Cost:	\$ 4,397

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 12/11/2014 10:13:05 AM

Application ID: 1719

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Scottsdale Unified District
Superintendent: David Peterson
Contact Person: Carlos Monreal
Contact Phone Number: 4804848519
Contact Email: cmonreal@susd.org
School Site: Arcadia High School
Buildings: 9999 School Wide

Application Title: Cooling tower water leak

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

The 8 year old north cooling has developed a water leak. There are two sections affected and they share an elbow, the 5 foot horizontal section is where the chemical feeds are located and while it is not yet leaking it has severe deterioration, the 7 foot vertical line does have a leak near the elbow. After being inspected by mechanical contractors and SFB staff, it has been determined the replacement of the pipe sections is necessary. The cost to replace pipe sections is \$3,897.00.

Project Category: HVAC

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

Liaison: Cruse

pcruse@azsfb.gov

602-364-1193

DAVID J. PETERSON
Superintendent Printed Name

Building Renewal Grant Application


Superintendent Signature

12/11/14
Date



EMCOR Services Arizona
4125 E Madison
Phoenix, AZ 85034
602.314-3186 • Fax: 602.268 9091

Date: November 19, 2014
Quote #: 14-60789

Carlos Monreal
SUSD
9301 E. San Salvador
Scottsdale, Arizona 85257

Jobsite Name: Arcadia High School
Jobsite Address: 4703 E. Indian School Rd
Job Title: Replace 8" condenser water pipe
Equipment: Cooling tower

Dear Carlos

EMCOR Services Arizona is pleased to submit our proposal to perform the following scope of work at the above referenced location.

- Lock out and tag out tower and pumps.
- Disconnect leaking pipes
- Using local crane service remove old pipe and discard.
- Measure, fabricate, and install 2 new sections of pipe, weld in four 3/4" weld lets.
- Replace existing 8" Gruvlock butterfly valve
- Install new groove lock gaskets.
- Remove lockouts and check operation.

TOTAL COST (Materials, Labor, & Tax)..... \$3,897.00

Exclusions: Unforeseen system problems

Warranty: 90 days on labor plus manufacturers warranty on parts.

Should upon performance of the above, it be noted that any additional labor and materials are required to place the equipment in proper operational order, you will be notified and your approval obtained prior to proceeding with any additional work

The above referenced price will be held firm for a period of thirty (30 days from the date of this proposal. If you have any questions or require any additional information, please feel free to contact me at 602 515-7103 or 602-685-4628

By: _____

By: _____

Customer

EMCOR Services Arizona
Tom Robins
Account Manager

Accepted date _____

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Scottsdale Unified**
 BRG Project Number: **070248114-9999-029BRG**
 Project Description: **Repair cooling tower**
 Architect of Record: **n/a**
 Contractor: **EMCOR Services (602-314-3186)**
 Board Approval: **1/7/2015**

Maricopa County

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost (cost estimate provided by architect or contractor)	\$ 7,998
Contingency ①	\$ 2,000
Architecture / Engineering (A&E) Fees	\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection	\$ -
Total Additional Cost:	\$ -
Total SFB Funded Project Cost:	\$ 9,998
District Share (Local Funds):	\$ -
SFB Board Approved Amount:	\$ 9,998
Total Project Cost:	\$ 9,998

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 12/11/2014 12:21:13 PM

Application ID: 1724

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Scottsdale Unified District
Superintendent: David Peterson
Contact Person: Carlos Monreal
Contact Phone Number: 4804848519
Contact Email: cmonreal@susd.org
School Site: Hohokam Elementary School
Buildings: 1004 C

Application Title: Cooling tower distribution box

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

The 17 year old cooling tower has developed a leak internally and has eroded the fill away due to the single stream blasting effect created by leak. The repair cost is \$7,998.00. Alternately the entire cooling tower replacement is \$35, 432.97.

Project Category: HVAC

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

Liaison: Cruse

pcruse@azsfb.gov

602-364-1193

DAVID J. PETERSON
Superintendent Printed Name

[Signature]
Superintendent Signature

12/11/14
Date



EMCOR Services Arizona
4125 E Madison
Phoenix, AZ 85034
602.314-3186 • Fax: 602.268 9091

Date: December 3, 2014
Quote #:14-60827

Carlos Monreal
SUSD
9301 E. San Salvador
Scottsdale, Arizona 85257

Jobsite Name: Hohokam
Jobsite Address: 8451 E. Oak
Job Title: Repair Tower
Equipment BAC Tower VTL-072-K

Dear Carlos

EMCOR Services Arizona is pleased to submit our proposal to perform the following scope of work at the above referenced location.

- Lock out and tag out tower.
- Drain tower.
- Remove rear access panels and side panels.
- Remove water distribution piping
- Remove leaking water distribution box.
- Remove old fill and dispose.
- Provide and install new distribution box
- Provide and install new tower fill.
- Re-install existing piping.
- Replace removed panels
- Fill tower and restart tower and check operation

*** Allow 2 weeks for new parts.**

TOTAL COST (Materials, Labor, & Tax) \$7,998.00
Add \$5,600.00 for 304 SST water contact basin

Exclusions: Overtime, permits, tower discharge duct, and integrity of existing tower structure

Warranty: 2 year warranty on workmanship

The above referenced price will be held firm for a period of thirty (30 days from the date of this proposal. If you have any questions or require any additional information, please feel free to contact me at 602 515-7103 or 602-685-4628

By: _____

By: _____

Customer

EMCOR Services Arizona
Tom Robins
Account Manager

Accepted date _____



(800) 840-9170

PROPOSAL - Hohokam Traditional School Central Plant - South Tower Replacement

**STREET BID NON
SELECT**

PMC Proposal #:14-09-073

From: Pueblo Mechanical and Controls, Inc.

Date: 10/3/14

Attn: Carlos Monreal
Scottsdale Unified School District # 48
9288 E San Salvador Drive
Scottsdale, AZ 85258

Dear Carlos,

Pueblo Mechanical and Controls appreciates the opportunity to look at this project and is pleased to provide the following scope for **Hohokam Traditional School Central Plant - South Tower Replacement**.

Scope of Work:

- Shut down, isolate and drain existing equipment
- Demo block wall for removal of old tower
- Remove and properly dispose of existing tower
- Install new block wall to match existing. (block to match is available in limited quantities, alternative would be to install a wall louver).
- Install new B.A.C. Cooling Tower, Model VTL-072-K
 - Forced draft, counter-flow cooling tower
 - Replace BAC Model VTL-072-K, S/N 97220341
 - CTI Certified Thermal Performance
 - 166.40 GPM @ 100°/85°/79° WB (matches existing)
 - (1) 10 HP TEFC Premium Efficiency Inverter Duty Fan Motor
 - One Speed/One Winding, 200/3/60
 - G235 Galvanized Steel Pan, Panels and Structural
 - Centrifugal Fans
 - PVC Fill & Drift Eliminators
 - End outlet pump suction connection, equalizer line
 - Mechanical Float Valve Assembly
 - 5-6 Week Current Lead Time
- Connect to existing hood for tower fan discharge using duct transition as needed.
- Connect to existing condenser water piping, supports and stands as required to accommodate new tower piping
- Connect to existing over flow and drain piping
- Connect to existing make-up water
- Connect to existing electrical; conduit, wire & weather-tight flex as required
- Start-up & Test of new equipment
- O&M manuals
- 2-year warranty

ALL PRICES QUOTED ABOVE ARE VALID FOR 120 DAYS

6771 E. Outlook Drive, Tucson, AZ 85756 • 11052 N. 24th Avenue, Phoenix, AZ 85029

Office - (800) 840.9170 • Fax - (888) 473-4374

www.pueblo-mechanical.com

AZ LIC: K-39 # ROC176640 • AZ LIC: B-01 # ROC173953 • AZ LIC: K-74 # ROC260462

We Exclude The Following:

- Repair or replacement of any existing device to be found inoperable.
- Engineering, permits and fees.
- Chemical Treatment
- Energy Management Systems
- Asbestos abatement, testing, reporting.
- Any work not included in scope of work listed above.

Block Wall Option:

Complete material, service, and labor sub total:	\$33,691.94
Mandated applicable taxes (5.1675%):	\$ 1,741.03
Bonding [not required]:	<u>\$ 0.00</u>
Total Cost:	\$35,432.97

Wall Louver Option:

Complete material, service, and labor sub total:	\$32,201.90
Mandated applicable taxes (5.1675%):	\$ 1,664.03
Bonding [not required]:	<u>\$ 0.00</u>
Total Cost:	\$33,865.93

NOTE: Stainless steel pan section available as an option, pricing available upon request.

All projects over \$100,000 must be individually bonded, projects under this amount are at the discretion of the customer; if the project is under \$100,000; by accepting this proposal you agree to waive bonding for this project. If you require bonding; please contact Pueblo Mechanical immediately and we will provide a quote for the bonding amount.

ALL PRICES QUOTED ABOVE ARE VALID FOR 120 DAYS

6771 E. Outlook Drive, Tucson, AZ 85756 • 11052 N. 24th Avenue, Phoenix, AZ 85029

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AZ LIC: K-39 # ROC176640 • AZ LIC: B-01 # ROC173953 • AZ LIC: K-74 # ROC260462



(800) 840-9170

We look forward to providing this important service please call if you have any questions.

Best Regards,

Darrell Ditsworth
Project Manager
Business: (800) 840-9170 Ext: 203
Cellular: (520) 262-0298
darrell@pueblo-mechanical.com

Acceptance of Proposal: The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified.

Name

Signature

Date

Due to the high cost of equipment and/or extended nature of this project progress billing may be required; if a purchase order is created for this project the owner agrees to accept progress billing for demonstrated and verifiable completed work and/or arrival of equipment items pending installation.

ALL PRICES QUOTED ABOVE ARE VALID FOR 120 DAYS

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AZ LIC: K-39 # ROC176640 • AZ LIC: B-01 # ROC173953 • AZ LIC: K-74 # ROC260462

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 Building Renewal Grant Fund

District: **Scottsdale Unified**
 BRG Project Number: **070248114-1005-030BRG**
 Project Description: **Replace domestic water line**
 Architect of Record: **n/a**
 Contractor: **EMCOR Services (602-314-3186)**
 Board Approval: **1/7/2015**

Maricopa County

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost (cost estimate provided by architect or contractor)	\$ 2,975
Contingency ①	\$ 1,000
Architecture / Engineering (A&E) Fees	\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection	\$ -
Total Additional Cost:	\$ -
Total SFB Funded Project Cost:	\$ 3,975
District Share (Local Funds):	\$ -
SFB Board Approved Amount:	\$ 3,975
Total Project Cost:	\$ 3,975

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 9/18/2014 7:12:43 AM

Application ID: 1539

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Scottsdale Unified District
Superintendent: David Peterson
Contact Person: Carlos Monreal
Contact Phone Number: 4804848519
Contact Email: cmonreal@susd.org
School Site: Hohokam Elementary School
Buildings: 1005 D

Application Title: Domestic water line

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

A section of domestic water line has galvanic corrosion due to the use of dissimilar materials. The cost to remove and replace 80 ft. of galvanized pipe section is \$3878.00

Project Category: Plumbing

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

Liaison: Cruse pcruse@azsfb.gov 602-364-1193

DAVID J. PETERSON

Superintendent Printed Name

[Signature]
Superintendent Signature

23SEP14
Date



EMCOR Services Arizona
4125 E. Madison Street
Phoenix, AZ 85034
866-889-4262
Fax 602-267-9091

October 24, 2014
Quote # 14-60727

Mr. Scott Lambdin
Hohokam Elementary School
8451 E. Oak St.
Scottsdale, Arizona 85257

Reference: Replace 2" Galvanized Domestic Water line

EMCOR Services Arizona is pleased to submit our proposal to perform the following work at the above referenced location.

- Replace one 2" galvanized water line
- Install new 2" type L copper tube as replacement
- Install new valves for isolation.

COST (labor, materials, tax) \$ 2,975.00

Exclusions: premium time labor, permits & fees.

Should upon performance of the above, it be noted that any additional labor and materials are required to place your equipment in proper operational order, you will be notified and your approval obtained prior to proceeding with any additional work.

The above referenced price will be held firm for a period of thirty (30) days from the date of this proposal. If you have any questions or require any additional information, please feel free to contact me.

Respectfully submitted,

By: Mike Diaz

By: _____

Project Manager
EMCOR Services Arizona
Mike_Diaz@emcorgroup.com
602-314-3182 Desk
602-267-9091 Fax

Customer

Accepted Date: _____

**STATE OF ARIZONA
SCHOOL FACILITIES BOARD**

Meeting Date: January 7, 2015

Agenda Item V.d.

Subject: V. Building Renewal Grant Requests
d. Consideration and possible vote to accept, reject or modify Building Renewal Grant Requests (design awards)

**Ash Creek Elementary
Cave Creek Unified
Creighton Elementary
Kirkland Elementary (2 requests)
Mesa Unified
Scottsdale Unified
Show Low Unified (2 requests)
Tolleson Union (2 requests)**

Background – Ash Creek Elementary (Ash Creek ES – replace septic system)

Ash Creek Elementary has submitted a Building Renewal Grant request to replace the septic system at Ash Creek Elementary School. The septic system is showing signs of failure and needs to be repaired or replaced.

Ash Creek Elementary, located 85 miles southeast of Tucson, has one school. Ash Creek Elementary School is comprised of eleven buildings constructed between 1900 and 1994, totaling 21,432 square feet.

The septic system is showing signs of failure, having backed up into one building, and needs an engineering assessment. The district received a proposal of \$40,590 for design and assessment services.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Ash Creek Elementary (Ash Creek ES – replace septic system)

Staff recommends that Ash Creek Elementary be awarded \$40,590 in Building Renewal Grant funding for the assessment of the septic system at Ash Creek Elementary School.

Background – Cave Creek Unified (Cactus Shadows HS – roof replacement)

Cave Creek Unified has submitted a Building Renewal Grant request for the replacement of multiple roofs at Cactus Shadows High School.

Cave Creek Unified, located 32 miles north of downtown Phoenix, has nine schools. Cactus Shadows High School is comprised of 21 buildings constructed between 1985 and 2013, totaling 235,239 square feet. Below are the buildings included in this request.

Building No.	Year Built	Square Footage
1001	1995	6,957
1002	1995	13,780
1003	1995	18,040
1004	1995	11,920
1005	1995	21,775
1006	1995	12,852
1007	1995	14,830
1008	1995	14,420
1015	2000	8,446
	Total:	123,020

The district received a structural engineering and architectural proposal in the amount of \$24,200.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Cave Creek Unified (Cactus Shadows HS – roof replacement)

Staff recommends that Cave Creek Unified be awarded \$24,200 in Building Renewal Grant funding for the structural engineering and construction documents for the replacement of multiple roofs at Cactus Shadows High School.

Background – Creighton Elementary (Creighton ES – roof replacement)

Creighton Elementary has submitted a Building Renewal Grant request for the replacement of the roofs on multiple buildings Creighton Elementary School.

Creighton Elementary, located in the Phoenix metropolitan area, has nine schools. Creighton Elementary School is comprised of 17 buildings constructed between 1935 and 1993, totaling 114,956 square feet. Below are the buildings included in this request.

Building No.	Year Built	Square Footage
1001	1954	5,662
1003	1954	13,425
1004	1954	6,270
1008	1935	1,372
1009	1935	3,750
1010	1935	1,372
1011	1935	3,750
1012	1935	4,067
1013	1982	1,100
1016	1988	9,973
1017	1993	8,420
	Total:	57,161

The roofs appear to be at the end of their life cycle and near failure. A roof consultant and architect will conduct an evaluation and provide a report to determine whether restoration could

extend the roof life or if full replacement will be required. The engineer's proposal for professional services is \$3,905.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Creighton Elementary (Creighton ES – roof replacement)

Staff recommends that Creighton Elementary be awarded \$3,905 in Building Renewal Grant funding for professional services to assess the current roofs at Creighton Elementary School.

Background – Kirkland Elementary (Kirkland ES – IT room HVAC) Request 1 of 2

Kirkland Elementary has submitted a Building Renewal Grant request for the mechanical engineering design fee for the MDF room in Building 1001 at Kirkland Elementary School.

Kirkland Elementary, located 80 miles northwest of Phoenix, has one school. Kirkland Elementary School is comprised of five buildings constructed between 1919 and 2003, totaling 10,452 square feet. Building 1001 was built in 1919, totaling 2,800 square feet.

The MDF room is overheating. This room has never had a cooling unit installed and the door to the room is left open to help keep the room cool. Loss of this MDF room would cause the failure of the school's computer functions.

The district received a design fee proposal in the amount of \$3,350.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Kirkland Elementary (Kirkland ES – IT room HVAC)

Staff recommends that Kirkland Elementary be awarded \$3,350 in Building Renew Grant funding for the engineering design fee for the MDF room in Building 1001 at Kirkland Elementary School.

Background – Kirkland Elementary (Kirkland ES – correct structural issues) Request 2 of 2

Kirkland Elementary has also submitted a Building Renewal Grant request for a structural roof analysis of Building 1001 at Kirkland Elementary School.

Kirkland Elementary, located 80 miles northwest of Phoenix, has one school. Kirkland Elementary School is comprised of five buildings constructed between 1919 and 2003, totaling 10,452 square feet. Building 1001 was built in 1919, totaling 2,800 square feet.

The district's architect, after reviewing the space above the ceiling, had concerns with the roof structure and roof deflection. Additional structural investigation is needed.

The district received a structural analysis fee proposal in the amount of \$2,400.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Kirkland Elementary (Kirkland ES – correct structural issues)

Staff recommends that Kirkland Elementary be awarded \$2,400 in Building Renewal Grant funding for the structural roof analysis of Building 1001 at Kirkland Elementary School.

Background – Mesa Unified (Red Mountain HS – replace sewage ejector station)

Mesa Unified has submitted a Building Renewal Grant request to replace the sewage ejector station at Red Mountain High School.

Mesa Unified has 88 schools. Red Mountain High School is comprised of 20 buildings constructed between 1985 and 2012, totaling 357,573 square feet.

The system controls and vault lining have failed and are in need of replacement. The district received a proposal for design and construction bid documents for \$2,300.

The district will contribute \$18,000 towards the cost of construction.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Mesa Unified (Red Mountain HS – replace sewage ejector station)

Staff recommends that Mesa Unified be awarded \$2,300 in Building Renewal Grant funding for design services for the replacement of the sewage ejector station at Red Mountain High School. The district will contribute \$18,000 towards the cost of construction.

Background – Scottsdale Unified (Tavan ES – roof replacement)

Scottsdale Unified has submitted a Building Renewal Grant request for the replacement of the roofs on Buildings 1013/1018 and 1012/1017 at Tavan Elementary School.

Scottsdale Unified has 34 schools. Tavan Elementary School is comprised of twelve buildings constructed between 1955 and 2007, totaling 80,249 square feet.

Staff has visited the school and determined the single ply roof has failed and is beyond its life cycle use. Additionally, the roof of the Multipurpose Building 1021 must be recoated to extend the life of the existing roof. A proposal for design to develop construction bid documents and construction administration services is \$8,115.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Scottsdale Unified (Tavan ES – roof replacement)

Staff recommends that Scottsdale Unified be awarded \$8,115 in Building Renewal Grant funding for construction bid documents to replace the roofs on Buildings 1013/1018 and 1012/1017 at Tavan Elementary School.

Background – Show Low Unified (Show Low JHS - roof repairs)

Show Low Unified has submitted a Building Renewal Grant request for the restoration/replacement of a portion of the existing roof on Building 1001 at Show Low Junior High School.

Show Low Unified, located 180 miles northeast of Phoenix, has eight schools. Show Low Junior High School is comprised of seven buildings constructed between 1972 and 2002, totaling 106,892 square feet. Building 1001 was built in 1972, totaling 68,317 square feet, has a metal and built up single ply roof.

Staff has visited the site and confirms the roof system is in need of restoration. The district submitted a consultant's proposal for construction bid documents for \$3,350 and \$808 for an asbestos survey.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Show Low Unified (Show Low JHS – roof repairs)

Staff recommends that Show Low Unified be awarded \$4,158 in Building Renewal Grant funding for design services and an asbestos survey for the roof repairs on Building 1001 at Show Low Junior High School.

Background – Show Low Unified (Linden ES - roof replacement)

Show Low Unified has also submitted a Building Renewal Grant request for the replacement of the roof on Building 1004 at Linden Elementary School.

Show Low Unified, located 180 miles northeast of Phoenix, has eight schools. Linden Elementary School is comprised of five buildings constructed between 1983 and 2000, totaling 27,320 square feet. Building 1004 was built in 1999, totaling 15,925 square feet.

Staff has visited the site and confirms the existing shingle system needs to be replaced. The mechanical curbs are leaking and the nails are backing themselves out due to the expansion and contraction of the shingles. The district submitted a consultant's proposal for construction bid documents for \$3,350 and \$808 for an asbestos survey.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Show Low Unified (Linden ES – roof replacement)

Staff recommends that Show Low Unified be awarded \$4,158 in Building Renewal Grant funding for design services and an asbestos survey for the roof replacement on Building 1004 at Linden Elementary School.

Background – Tolleson Union (Tolleson Union HS – repair sewer piping)

Tolleson Union has submitted a Building Renewal Grant request for the repair of the underground sewer piping for Building 1004 at Tolleson Union High School.

Tolleson Union, located 12 miles due west of downtown Phoenix, has five schools. Tolleson Union High School is comprised of 24 buildings constructed between 1928 and 2008, totaling 251,954 square feet. Building 1004 was built in 1981, totaling 6,123 square feet.

The sewer piping appears to have failed in several locations that were identified in a video and requires an engineering assessment and design for repair. The engineer's proposal for design services is \$2,950.

The district will contribute \$5,000 to the cost of construction.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Tolleson Union (Tolleson Union HS – repair sewer piping)

Staff recommends that Tolleson Union be awarded \$2,950 in Building Renewal Grant funding for an engineering assessment and design for the repair of the sewer piping in Building 1004 at Tolleson Union High School. The district will contribute \$5,000 to the cost of construction.

Background – Tolleson Union (Tolleson Union HS – repair sewer piping)

Tolleson Union has also submitted a Building Renewal Grant request for the repair of the underground sewer piping for Building 1027 at Tolleson Union High School.

Tolleson Union, located 12 miles due west of downtown Phoenix, has five schools. Tolleson Union High School is comprised of 24 buildings constructed between 1928 and 2008, totaling 251,954 square feet. Building 1027 was built in 2001, totaling 16,253 square feet.

The underground sewer piping appears to have failures which is causing the flooring to settle and breaking up. The engineer's proposal for design services is \$2,950.

The district will contribute \$5,000 to the cost of construction.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Tolleson Union (Tolleson Union HS – repair sewer piping)

Staff recommends that Tolleson Union be awarded \$2,950 in Building Renewal Grant funding for an engineering assessment, design and bid documents for the repair of the underground sewer piping in Building 1027 at Tolleson Union High School. The district will contribute \$5,000 to the cost of construction.

Board Action Requested: [] information [X] action / described below

1. Board approval of the staff recommendation that **Ash Creek Elementary** be awarded \$40,590 in Building Renewal Grant funding for the assessment of the septic system at Ash Creek Elementary School.
2. Board approval of the staff recommendation that **Cave Creek Unified** be awarded \$24,200 in Building Renewal Grant funding for the structural engineering and construction documents for the replacement of multiple roofs at Cactus Shadows High School.
3. Board approval of the staff recommendation that **Creighton Elementary** be awarded \$3,905 in Building Renewal Grant funding for professional services to assess the current roofs at Creighton Elementary School.
4. Board approval of the staff recommendation that **Kirkland Elementary** be awarded \$3,350 in Building Renew Grant funding for the engineering design fee for the MDF room in Building 1001 at Kirkland Elementary School.
5. Board approval of the staff recommendation that **Kirkland Elementary** be awarded \$2,400 in Building Renewal Grant funding for the structural roof analysis of Building 1001 at Kirkland Elementary School.
6. Board approval of the staff recommendation that **Mesa Unified** be awarded \$2,300 in Building Renewal Grant funding for design services for the replacement of the sewage ejector station at Red Mountain High School. The district will contribute \$18,000 towards the cost of construction.
7. Board approval of the staff recommendation that **Scottsdale Unified** be awarded \$8,115 in Building Renewal Grant funding for construction bid documents to replace the roofs on Buildings 1013/1018 and 1012/1017 at Tavan Elementary School.
8. Board approval of the staff recommendation that **Show Low Unified** be awarded \$4,158 in Building Renewal Grant funding for design services and an asbestos survey for the roof repairs on Building 1001 at Show Low Junior High School.
9. Board approval of the staff recommendation that **Show Low Unified** be awarded \$4,158 in Building Renewal Grant funding for design services and an asbestos survey for the roof replacement on Building 1004 at Linden Elementary School.
10. Board approval of the staff recommendation that **Tolleson Union** be awarded \$2,950 in Building Renewal Grant funding for an engineering assessment and design for the repair of the sewer piping in Building 1004 at Tolleson Union High School. The district will contribute \$5,000 to the cost of construction.

11. Board approval of the staff recommendation that **Tolleson Union** be awarded \$2,950 in Building Renewal Grant funding for an engineering assessment, design and bid documents for the repair of the underground sewer piping in Building 1027 at Tolleson Union High School. The district will contribute \$5,000 to the cost of construction.

Attachments: Yes [X] No []

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Ash Creek Elementary**
 BRG Project Number: **020453101-9999-004BRG**
 Project Description: **Replace septic system**
 Architect of Record: **Fluid Solutions (602-707-7777)**
 Contractor: **TBD**
 Board Approval Date: **1/7/2015**

Cochise County

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost		\$ -
Contingency ①		\$ -
Architecture / Engineering (A&E) Fees		\$ 40,590
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ 40,590
Total SFB Funded Project Cost:		\$ 40,590
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 40,590
Total Project Cost:		\$ 40,590

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date:

Application ID: 1591

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Ash Creek Elementary District
Superintendent: Sue Shepard
Contact Person: Sue Shepard
Contact Phone Number: 520-824-3340/520-975-3173
Contact Email: wranglerzzz@hotmail.com
School Site: Ash Creek Elementary School

Buildings:

Application Title: Septic

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

Septic system is failing, backing up and having to be cleaned out about every other month. Some bathrooms at this time cannot be used

Project Category: Plumbing

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project

Please outline any associated insurance coverage.

Liaison: Demland

ddemland@azsfb.gov

602-542-6567

Sue Shepard

Superintendent Printed Name

Sue Shepard

Superintendent Signature

10-9-14

Date



Fluid Solutions

Water • Wastewater • Engineering • Environmental Services

December 19, 2014

Ms. Sue Shepard
6460 East Highway 181
Pearce, Arizona 85625

Mr. Dan Demland, R.A.
School Facilities Board
1700 West Washington, Suite 104
Phoenix, Arizona 85007

Re: Ash Creek Elementary School Sewage Disposal System Evaluation

Dear Ms. Shepard and Mr. Demland:

Fluid Solutions is pleased to provide you with this proposal for the evaluation of the existing sewage disposal system for Ash Creek Elementary School.

Understanding and Approach

Ash Creek Elementary School, located in Pearce, Arizona, in Cochise County is experiencing problems with the septic system resulting in undesirable conditions. Roots are believed to be contributing to system failures in at least 2 of the three known septic tank systems. Existing information is limited and much of the effort will be identifying where infrastructure is located and how much infrastructure exists. This information will be used to evaluate components of the septic treatment system and recommending improvements.

Scope of Work

Initially, we must attempt to identify what infrastructure components are in place and where they are located relative to school facilities. While locating the components we will evaluate them and the ability of the system to meet applicable regulatory requirements. We will also attempt to identify and locate known underground utilities that may be impacted by improvements. During the location of system components, they will be evaluated. Once all of the data collected, a report will be provided that summarizes the conditions and recommends improvements.

We will coordinate utility locating with pipeline and septic tank camera inspections where possible with a topographic survey of the project site. We will provide a sealed topographic survey of identified conditions as they exist based on our findings. Additionally, an evaluation the subsurface conditions for the purpose of effluent disposal will be included in our evaluation. A memorandum summarizing our findings and recommendations will be prepared.

Ms. Sue Shepard
 Mr. Dan Demland, RA
 December 19, 2014
 Page 2 of 3

Collection of field data required to describe the existing conditions will include efforts to locate underground utilities that may be impacted by this project. This will be done using locating services and underground camera of buried pipes to assist in our efforts. The ensuing topographic survey will show the information identified both above and below ground.

A report summarizing our findings and making recommendations will be our project deliverable. It will include the following:

- Summary of existing conditions including a sealed topographic survey of the school grounds and identified infrastructure;
- Soil profile and percolation data in potential disposal area with consideration for vertical pits as well as horizontal fields;
- Result of our evaluation of the septic treatment and disposal systems;
- Recommendations to correct system deficiencies and meet regulatory requirements as necessary; and,
- Estimated capital costs of recommendations.

Proposed Fee

Data Collection Phase	
Septic Cleaning & Camera Discharge Pipe to Potentially Locate D-box & Leach Field	\$ 4,855
Utility Locating (Gas, Electric, Water, Fiber, Telephone, Others)	\$ 4,998
Geotechnical Investigation (Potential Leach System Evaluations)	\$ 7,142
Sealed Survey (Data Collection Findings)	\$12,500
Sub-Total	\$29,495
Professional Services & Report	\$11,095
Project Budget	\$40,590

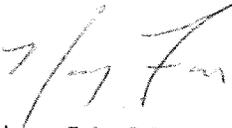
Our schedule will be impacted by the availability of each sub-contractor as we must coordinate them all together at times that will not negatively impact school operations. Once all the data has been collected and the survey is complete, we will complete our evaluation within 30 days allowing time to get component quotes from vendors for the cost analysis portion of the effort as necessary.

Ms. Sue Shepard
Mr. Dan Demland, RA
December 19, 2014
Page 3 of 3

If you are in agreement with this proposal please sign and return or provide a purchase order referencing this proposal in addition to providing the necessary background data requested as our notice to proceed. We are available to answer any questions you may have and look forward to assisting you in resolving your wastewater treatment issues.

Sincerely,

Fluid Solutions

A handwritten signature in black ink, appearing to read 'N. Fain', written over a faint circular stamp.

Norm Fain, P.E.
Principal Engineer, Member

Encl: Standard Terms and Conditions
Standard Schedule of Charges

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Cave Creek Unified**
 BRG Project Number: 070293204-9999-006BRG
 Project Description: **Roof replacement**
 Consultant: One Architecture! (602-266-2712)
 Contractor: TBD

Maricopa County

Board approval: 1/7/2015

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost:	\$ -
Contingency ①	\$ -
Additional Cost:	
Architecture / Engineering (A&E) Fees	\$ 24,200
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection	\$ -
Total Additional Cost:	\$ 24,200
Total SFB Funded Project Cost:	\$ 24,200
District or Local Funds:	\$ -
SFB Board Approved Amount:	\$ 24,200
Total Project Cost:	\$ 24,200

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 10/8/2014 2:08:36 PM

Application ID: 1584

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Cave Creek Unified District
Superintendent: Dr. Debbi Burdick
Contact Person: John Muir
Contact Phone Number: 480.575.2050
Contact Email: jmuir@ccusd93.org
School Site: Cactus Shadows High School/PSH 1995

Buildings:

1001	Building 100
1002	Building 200
1003	Building 300
1004	Building 400
1005	Building 500
1006	Building 600
1007	Building 700
1008	Building 800
1015	Building 800B

Application Title: Roof Replacement

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

Various roofs are failing at Cactus Shadows High School. Failing roofs are a black EPDM roofing system with heavy river rock as ballast.

Project Category: Roofing

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

Building Renewal Grant Application

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139

Debbi C. Burdick

Superintendent Printed Name

Debbi C. Burdick

Superintendent Signature

10-8-14

Date



September 29, 2014

John Muir, Director of Facilities and Construction
Cave Creek Unified School District
33606 N. 60th Street
Scottsdale, AZ 85266

Re: Reroofing of Ballasted Roofs @ Cactus Shadows High School

Subj: Fee Proposal

Dear Mr. Muir:

The Arizona State Facilities Board is considering the replacement of the 20 plus year old ballasted roofs at Cactus Shadows High School. These roofs are indicated as gray at buildings 100, 200, 300, 400, 500, 700, and 800 on the attached aerial. There is basically a two step process for the replacement.

1. **Step 1** is to contract with a structural engineer to provide an evaluation report of the existing roof structure. The purpose of this evaluation is to determine the structure integrity of the roof structure that has carried the ballasted roof for the 20 plus years. This report will conclude if the structure is sound or if remedial work is required. This process will require the structural engineer to visually observe every condition. Architectural we will coordinate efforts, assist in the evaluation, and review of the final report.
2. **Step 2** is to prepare construction documents for the replacement of the subject roofs. This will require roof details, specifications and if need, structural details for the remedial work on the existing roof structure.

We have attached the fee proposal of \$22,000 from the structural engineer for Step #1. Our architectural fee for this step is \$2,200 for a total fee of.....**Step #1: \$24,200**

The fee for Step #2 will be determined after the structural evaluation.

We are prepared to begin immediately upon approval.

Sincerely,

ONE! Architecture

Donald R. Brubaker Jr. Principal Architect

Attachments: Beauchamp Fee Proposal, CSHS Aerial

September 24, 2014

Don Brubaker
One Architecture
2814 West Glendale
Phoenix, Arizona 85051

**Reference: Cactus Shadows High School – Cave Creek Unified School District
5802 East Dove Valley Road
Cave Creek, Arizona 85331**

Gentlemen:

The following proposal for structural engineering services for the above referenced project is based on partial original construction plans of the ballasted roof areas for eight of the school buildings.

The following outline presents Beauchamp Engineering, Inc's (BEI) proposed scope of services and proposed methods of performing observation of the roof structure below the ballasted roof system. We propose the utilization of a team of one registered engineer and one technician to accomplish the observations. The team approach will expedite the observations by providing help assistance with moving ladders and equipment. We have discussed with the district maintenance director the use of ladders and possibly a man lift provided by the school district to remove ceiling panels and to access the joist space for observations of the joists and related framing. We will work with the district to determine a schedule for the observations that will work best with the school to minimize conflicts.

Scope of Services

- Beauchamp Engineering, Inc. (BEI) will make site visits to observe and document the roof structures of each of the eight buildings that have partial or full coverage by the ballasted roof system. There is an approximate 80,000 square feet of existing ballasted roofing.
- BEI will utilize various height ladders and man lifts to remove ceiling grid panels and provide access to the framing.
- The total access time and the length of time allowed for each visit will contribute to the length of time required to complete the observations.

Cactus Shadows High School
5802 East Dove Valley Road
Cave Creek, Arizona 85331
Page 2

Fee Proposal

Our proposed fees for the structural services outlined above for this project as constructed in Cave Creek, Arizona are as follows:

- **Lump sum fee = \$22,000**
- BEI will submit invoices to One Architecture.

Time will be invoiced monthly for the proportion of work completed when the work exceeds that period of time.

We appreciate the opportunity to provide you with this proposal. Please indicate your approval of this proposal by returning a signed copy of the proposal. Call me if you have any questions.

Sincerely,
Beauchamp Engineering, Inc.

Approved by:

Mark Beauchamp

Mark R. Beauchamp, P.E.
President

Phone: (602)697-3020

Project Memo



Architecture Engineering Planning Interiors

6225 North 24th Street
Suite 250
Phoenix, AZ 85016

o: 602/381-8580
f: 602/956-8358

Date June 17, 2014
To Dennis Roehler
Director of Facilities and Construction
Cave Creek Unified School District No. 93
From Tom O'Neil, AIA, LEED AP
Senior Principal
Project Cactus Shadows High School
Project No. 3093117-20
Subject Roof system

Message Dennis Roehler, Director of Facilities and Construction for Cave Creek Unified School District No. 93 contacted DLR Group with regard to a concern with the roof loads. Dennis shared in our conversation on 6/16/14 a concern the current Architect of Record, Don Brubaker, whom is doing an addition to the cafeteria has with the existing design. Tom Kramer (DLR Group structural engineer) and I reviewed the record drawings and specifications. The following are our findings:

Architects findings:

The project was sealed for regulatory review on 1/10/1994.

The project manual references a single Ply Membrane roofing specification.

The roofing system has a useful life per Paragraph 07530.1.5.B.1 of "15 years after date of Substantial Completion."

The roofing system has been in place for 20 years.

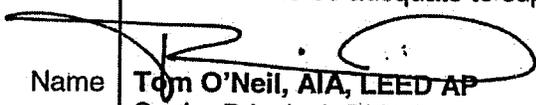
The specified system is a Loose-Laid and Ballasted EPDM Membrane, as identified in paragraph 07530.3.3.B.1. "Apply aggregate ballast in uniform thickness at a rate of 10-12 lbs. per square foot, spreading with care to minimize possibility of damage to membrane."

Dennis had indicated the current Architect of record analyzed the ballast and suggested the weight being in the +/-14 pounds per square foot range.

DLR Groups Structural engineer reviewed the roof framing design and calculations and findings are as follows:

Structural Engineers findings:

In reviewing original structural drawings and calculations, joist designations and loading information found on the roof framing plans were found to be consistent with a 25 pounds per square foot dead load at "special joist" and 30 pounds per square foot at "specified" joist sizes. Review of the joist shop drawings indicates the joist design loading to be consistent with the design documents. Based on itemization of in-place materials, actual dead load is approximated to be between 13 and 14 pounds per square foot. This would reserve approximately 10 to 11 pounds per square foot for ballast dead load. Based on the above information and reducing the ballast load to the original specified rate, all of the roof joist is considered to be adequate to support the building dead and live loads.

Name 
Tom O'Neil, AIA, LEED AP
Senior Principal, DLR Group


Tom Kramer, PE
Principal, DLR Group

cc Dennis Roehler, Cave Creek Unified School District

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Creighton Elementary**
 BRG Project Number: 070414110-9999-004BRG
 Project Description: **Roof replacement**
 Consultant: Orcutt Winslow (602-257-1764)
 Contractor: TBD
 Board approval date: 1/7/2015

Maricopa County

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost:	\$ -
Contingency ①	\$ -
Additional Cost:	
Architecture / Engineering (A&E) Fees	\$ 3,905
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection	\$ -
Total Additional Cost:	\$ 3,905
Total SFB Funded Project Cost:	\$ 3,905
District or Local Funds:	\$ -
SFB Board Approved Amount:	\$ 3,905
Total Project Cost:	\$ 3,905

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 10/15/2014 11:54:34 AM

Application ID: 1603

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Creighton Elementary District
Superintendent: Dr. Charlotte Boyle
Contact Person: Roy Sukanick
Contact Phone Number: (602) 980-5496
Contact Email: rsukanick@creightonschools.org
School Site: Creighton Elementary School

Buildings:

1001	A
1003	C
1004	CC
1008	G
1009	H
1010	I
1011	J
1012	K
1013	P
1016	S
1017	T

Application Title: Creighton School Complete Roof Replacement

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

Complete roof replacement for the cafeteria, 500 south building, 600 building, 700 building, 800 building 200 building, Admin Building, Library and 700 building storage room.

Project Category: Roofing

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Building Renewal Grant Application

Please outline any associated insurance coverage.

Liaison: Cruse

pcruse@azsfb.gov

602-364-1193

Superintendent Printed Name

Superintendent Signature

Date

AMENDMENT #7
TO OWNER/ARCHITECT AGREEMENT

Dated

April 22, 2010

Between

CREIGHTON SCHOOL DISTRICT

and

ORCUTT | WINSLOW

December 23, 2014
Creighton Elementary School Roofing Project
Orcutt | Winslow Project No. 2014_385

As requested by the District, we will provide a Roofing evaluation report Creighton Elementary School (all building roofs). The roofing evaluation report shall include the following:

SCOPE: Roofing inspection to determine which roof needs repair and or replacement. Cost for this service will be:

- Roofing Consultant scope: Walk each building roof, take photographs and prepare narrative for repair/replacement as needed: Fees: \$ 3,500
- Architectural scope: Visit the site with roofing consultant and walk each roof to determine additional scope related to Mechanical/electrical, structural or architectural details related work. Add accordingly to the roofing evaluation report. Fees: \$ 405 (3 hrs x \$ 135/hr)
- Structural scope: Visit the site and walk roof to determine if there are any structural issues with the roof. \$ 400. (2 hrs site visit to walk roofs)
- Asbestos report: District has current asbestos report for each building and therefore no cost would be incurred for this services.

Phase I
EVALUATION

Hourly rate for Roofing, Architect and Structural consultants are as follows:

- Principal @ \$175 per hour
- Project Manager @ \$135 per hour
- Roofing Consultant @ \$125 per hour
- Structural Consultant @ \$200 per hour

Karanjia.

Owner

Vispi Karanjia - Partner
Orcutt Winslow Partnership

12/23/14

Date

Date

PROPOSAL

PROJECT IDENTIFICATION

PROJECT NAME	Orcutt Winslow – Creighton Elementary School District (David Stover)
PROJECT	Roof Assessment Creighton Elementary School
SITE ADDRESS	2802 E. McDowell Rd. Phoenix, AZ 85008

PROPOSAL

This proposal, dated this day of December 17, 2014, is between Orcutt Winslow Architects (“Client”) and WRECORP (Western Roof Evaluation Corporation) (“Consultant”) to set forth and further define the Scope of Services for the project generally referred to as Roof Inspection. If accepted this document shall form an agreement between the client and the consultant.

Client and Consultant, after negotiation, have defined the Scope of Services as follows:

- Assess existing roof conditions on building at site address listed above.
- Create a report detailing and recommending repairs, restoration or replacement.
- Provide type of roof systems, repairs or restoration.
- Provide budget for solutions.

Fees: \$3,500.00

Compensation for services and terms of payment shall be as follows: Due upon receipt of invoice.

Limitations on Consultant’s Responsibility, Indemnity & Insurance

Client acknowledges that Consultant is performing professional service on behalf of Client and in the event claims, losses, damages or expenses are caused by the negligence of Contractor or Client or both, Client agrees to indemnify and hold harmless Consultant, and Consultant’s officers, employees, agents and representatives, from and against liability for all Professional Liability claims, losses, damages and expenses whether or not insured, including reasonable attorney’s fees.

If acceptable please sign, date and return to WRECORP (Signed proposal represents a signed contract)

WRECORP (Western Roof Evaluation Corporation)

Consultant

By: Jerry L. Brown 12/17/2014
Signature in ink *Date*

Name: Jerry L. Brown
Title: President

Owner

By: _____
Signature in ink *Date*

Name: _____
Title: _____

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Kirkland Elementary**
 BRG Project Number: **130323001-1001-007BRG** Yavapai County
 Project Description: **IT room HVAC**
 Architect of Record: **Otwell Associates Architects (928-445-4951)**
 Contractor: **TBD**

Board approval: 1/7/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost:		\$ -
Contingency ①		\$ -
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ 3,350
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ 3,350
Total SFB Funded Project Cost:		\$ 3,350
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 3,350
Total Project Cost:		\$ 3,350

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 12/17/2014 10:17:20 AM

Application ID: 1733

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Kirkland Elementary District
Superintendent: Michelle Perey
Contact Person: Michelle Perey
Contact Phone Number: 9284423258
Contact Email: mperey@kirklandaz.org
School Site: Kirkland Elementary School
Buildings: 1001 Main Bldg

Application Title: HVAC Improvement for IT room

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

Architectural services needed to improve IT room in the main building of the school to include dedicated cooling/heating.

Project Category: HVAC

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139

Michelle Perey
Superintendent Printed Name

Michelle Perey
Superintendent Signature

12/17/14
Date

OTWELL
A S S O C I A T E S
A R C H I T E C T S

December 10, 2014

Michelle Perey
Administrator, Kirkland Elementary School
14200 W. Kirkland-Hillside Rd.
Kirkland, AZ 86332

Re: Kirkland Elementary School District #23

Michelle,

Thank you for the opportunity to submit this proposal for architectural services. There are three tasks we have been requested to perform.

→ 1. Design, bidding and construction observation for the IT room HVAC improvements in the 1001 Main building.

Proposed fee – mechanical and electrical design \$2200.00

(see attached proposal from Tiglas engineering)

Project Management \$1150.00

Total for Task 1

\$3350.00 ←

2. Structural analysis and recommendations for the roof of Building 1001.

Proposed fee

Structural analysis \$1650.00

(see attached proposal from Frost Engineering)

Project Management \$ 750.00

Total for Task 2

\$2400.00

3. Investigate roof leaks in building 1002. Provide photos of existing leak locations, trip to investigate with roofing consultant. Photos, recommendations, cost estimate for repair.

Proposed fee \$1450.00

Sincerely,



William S. Otwell, AIA



December 2, 2014

Otwell Associates Architects
Mr. Bill Otwell
121 East Goodwin
Prescott, Arizona 86303

Re: Proposal for *Kirkland School- IT Room HVAC, Prescott, Arizona*

Dear Bill

We are pleased to present this fee proposal to identify our intent to perform the Work at your request for this IT room HVAC improvements. Tiglas Engineering Associates, Inc. will prepare the HVAC and Electrical Engineering Construction Documents for this facility ready for submittal to the City for plan review. HVAC design will consist of supplemental air conditioning equipment and air distribution system design. Electrical design will consist of panel schedules, one line diagram and code required calculations.

Our fee for these professional engineering services will be:

Mechanical:	\$1200.00 (one thousand two hundred dollars and no cents)
Electrical:	\$1000.00 (one thousand dollars and no cents)

plus reimbursable expenses payable upon receipt of documents. Site inspections, submittal review, construction administration services, and other services not specifically mentioned are considered Additional Services. Additional services, when requested in writing will be performed at our standard hourly rates. Our invoices are due when you receive them. No work will be performed until all outstanding invoices have been paid. A service charge of 18% per annum will be imposed on balances outstanding for more than 30 days. In the event of nonpayment of your account, you agree to pay all costs of collection including reasonable attorney's fees we incur. You agree that the firm's liability hereunder for damages, regardless of the form of the action, shall not exceed the total amount paid for the services described herein. You also agree that if construction phase services are not to be provided, the client shall be solely responsible for interpreting the contract documents and observing the work of the contractor to discover, correct or mitigate errors, inconsistencies or omissions; and hold engineer harmless of claims resulting in Owner's interpretations and observations. This shall be your exclusive remedy.

If you should have any questions please do not hesitate to call me at (602) 992-3900. Thank you for this opportunity to work with you again.

Sincerely

Tiglas Engineering Associates, Inc.
Jamie M. Tiglas, P.E., LEED AP, CPD
President

Otwell Associates Architects
Mr. Bill Otwell

Faxed: (928) 778-6120

809 west maryland avenue • phoenix, Arizona 85013
email: Jamie@TiglasEng.com • tel: (602) 992-3900 • fax: (602) 992-1541

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Kirkland Elementary**
 BRG Project Number: **130323001-1001-008BRG** Yavapai County
 Project Description: **Correct structural issues**
 Architect of Record: **Otwell Associates Architects (928-445-4951)**
 Contractor: **TBD**

Board approval: 1/7/2015

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ -
Contingency ①		\$ -
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ 2,400
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ 2,400
Total SFB Funded Project Cost:		\$ 2,400
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 2,400
Total Project Cost:		\$ 2,400

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 12/17/2014 10:20:37 AM

Application ID: 1735

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Kirkland Elementary District
Superintendent: Michelle Perey
Contact Person: Michelle Perey
Contact Phone Number: 9284423258
Contact Email: mperey@kirklandaz.org
School Site: Kirkland Elementary School
Buildings: 1001 Main Bldg

Application Title: Main Building Room/Strucural Analysis

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

Structural analysis and recommendations for the roof of building 1001 needed.

Project Category: Roofing

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

Lialson: Breuer

gbreuer@azsfb.gov

602-542-6139

Michelle Perey
Superintendent Printed Name
Michelle Perey
Superintendent Signature

12/17/14
Date

OTWELL
A S S O C I A T E S
A R C H I T E C T S

December 10, 2014

Michelle Perey
Administrator, Kirkland Elementary School
14200 W. Kirkland-Hillside Rd.
Kirkland, AZ 86332

Re: Kirkland Elementary School District #23

Michelle,

Thank you for the opportunity to submit this proposal for architectural services. There are three tasks we have been requested to perform.

1. Design, bidding and construction observation for the IT room HVAC improvements in the 1001 Main building.

<u>Proposed fee – mechanical and electrical design</u>	\$2200.00
(see attached proposal from Tiglas engineering)	
Project Management	<u>\$1150.00</u>
 Total for Task 1	 \$3350.00

- 2. Structural analysis and recommendations for the roof of Building 1001.

<u>Proposed fee</u>	
Structural analysis	\$1650.00
(see attached proposal from Frost Engineering)	
Project Management	<u>\$ 750.00</u>
 Total for Task 2	 \$2400.00

3. Investigate roof leaks in building 1002. Provide photos of existing leak locations, trip to investigate with roofing consultant. Photos, recommendations, cost estimate for repair.

<u>Proposed fee</u>	\$1450.00
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Sincerely,



William S. Otwell, AIA

121 EAST GOODWIN
PRESCOTT, ARIZONA 86303-3940
PHONE (928) 445-4951
FAX (928) 778-6120

FROST Structural Engineering

1678 Oaklawn Drive, Suite C Phone: 928.776.4757
 Prescott, AZ 86305 Fax: 928.776.4931
 info@frost-structural.com

Learn more about us at www.frost-structural.com

Project Proposal and Agreement

(An Agreement for Professional Structural Engineering Services when Signed)

Client Name: **Otwell Associates Architects**
 121 East Goodwin
 Prescott, AZ 86303
 Contact: **Bill Otwell, Architect**
 Phone: 928.445.4951
 Fax: 928.778.6120
 Email Address: **bill@otwell-architects.net**

Client Type: 1) Architects
 Payment Terms: Within 30 Days

Quote Date: 12/9/2014
 Job Status: Proposed
 FSE Job#:

Project Name: **1919 Stone Building**
 PLAT: Kirkland School
 Location/Jurisdiction: Yavapai County, AZ
 Job Type: 107 Inspections: EVALUATION
 Occupied / Living Space: 1460 sf

Make a New File
 FSE Project Manager: RKF
 Logged By: RKF
 Estimated Start Date:
 Estimated Project Duration:

Scope of Work:

Task	Rate/Lump Sum	Quantity	Item Total
E490 Engineer - Travel to and from Project Site (billed hourly).	\$75.00	2	\$150.00
E441 Engineer - Site Visit to Observe Existing Conditions (billed hourly).	\$100.00	4.5	\$450.00
E250 Engineer - Miscellaneous Structural Calculations and/or Sketches (billed hourly).	\$100.00	8	\$800.00
E4650 Engineer - Letter of Opinion and Recommendation(s) (billed hourly).	\$100.00	2	\$200.00
OF1040 Office - Logging, Billing, Copies and/ or Scanning, Delivery (lump sum).	\$50.00	1	\$50.00
Total:			\$1,650.00

Proposal Notes:

- Scope of Work: Provide letter of Opinion and Recommendations in regards to structural soundness of the roof.
- Fee is based on hours and may be a combination of any of the billing items listed, but will be limited to the total amount shown without additional approval.

Please sign and Fax or Mail back to FSE for work to commence. Any Proposal which is not accepted within 90 days is Void as to fees quoted. This proposal is our one page "short form" - our "Terms and Conditions" are also part of this proposal/agreement. If you would like a copy of our "Terms and Conditions" or would prefer our "long form" please contact us.

Accepted for : Otwell Associates Architects

Signature

Date:

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 Building Renewal Grant Fund

District: **Mesa Unified**
 BRG Project Number: 070204275-9999-004BRG Maricopa County
 Project Description: **Replace sewage ejector station**
 Consultant: Arizona Pinnacle Engineering, LLC (623-594-9049)
 Contractor: TBD

Board approval: 1/7/2015

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost:	\$ -
Contingency ①	\$ -
Additional Cost:	
Architecture / Engineering (A&E) Fees	\$ 2,300
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection	\$ -
Total Additional Cost:	\$ 2,300
Total SFB Funded Project Cost:	\$ 2,300
District or Local Funds:	\$ 18,000
SFB Board Approved Amount:	\$ 2,300
Total Project Cost:	\$ 20,300

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date:

Application ID: 1738

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Mesa Unified District
Superintendent: Dr. Michael Cowan
Contact Person: Todd Poer
Contact Phone Number: 928-595-1400
Contact Email: ftpoer@mpsaz.org bksylvester@mpsaz.org
School Site: Red Mountain High School
Buildings: 1001 A1000

Application Title: Replace failing sewage ejector at Red Mountain High School

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

The condition of the sewage ejection station at Red Mountain High School is as follows. The original rubber lining of the tank has completely failed. With parts of it hanging off the sides exposing the concrete walls. We are not sure of the condition of the bottom of the tank. I can say that it is badly deteriorated and we have removed a lot of gravel from it. The control panel is original and has had some of the components fall and we have had to reconfigure it to keep it on line.

We have recently replaced the two pumps and some of the piping. However there is still some of the original piping still there and it is showing signs of flaking compromising the integrity of the pipe.

The pit is about 13 feet deep and the pumps are not on a rail system. That means that if the pumps need to be repaired or removed someone needs to go into the tank and unbolt the pumps from the piping. This would be a confined space condition and we are not fully equipped to deal with that.

The problem with the pumps started in September and we have had six requests for repairs to date. This sewage ejection station is in imminent failure.

Project Category: Plumbing

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Building Renewal Grant Application

Amount of Local funds planned for this project	\$18,000.00
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Please outline any associated insurance coverage.

Failure is not due to theft, vandalism, or wind, therefore, it is not covered by insurance.

Liaison: Cruse

pcruse@azsfb.gov

602-364-1193

Michael B. Cowan

Superintendent Printed Name

Michael B. Cowan

Superintendent Signature

12/17/14
Date



ARIZONA PINNACLE ENGINEERING, LLC
Mechanical and Electrical Consulting Engineers

Steven F Durand, P.E. Δ Rodney L Hillis, P.E. Δ Eudjen Savu, P.E. Δ Scott E Woods, P.E.

November 14, 2014

Mesa Public Schools
555 South Lewis
Mesa, Arizona 85210

Attn: Mr. Dennis Gearhart

Re: New Sewage Ejector for Red Mountain High School
Proposal for Mechanical and Electrical Engineering Services P14241

Dear Mr. Gearhart:

Arizona Pinnacle Engineering, LLC (AZPE), is pleased to propose the following Agreement for mechanical (plumbing) and electrical engineering services for the new Sewage Ejector at Red Mountain High School for the Mesa Unified School District, in Mesa, Arizona.

This proposal is valid for a period of sixty (60) calendar days from the date of its issuance. If this proposal is not accepted within the stipulated time period, we reserve the right to cancel this Agreement or to renegotiate the fees. If signed and returned, or if not rejected but accepted by our proceeding with the work upon your request, this document shall constitute a contractual Agreement between us.

PARTIES TO CONTRACT

This Agreement is made between Mesa Public Schools, hereinafter referred to as the Client, and Arizona Pinnacle Engineering, LLC, hereinafter called the Engineer, and each is bound to the Agreements outlined herein. Neither party may assign, sublet, or transfer its interest in this Agreement without written consent of the other party.

SCOPE OF BASIC ENGINEERING SERVICES

For the purpose of this contract "Basic Engineering Services" shall include the following:

General

1. The mechanical and electrical engineering services to be provided under this Agreement will include a Verification of Existing Site Conditions Phase, a Construction Documents Phase, a Shop Drawing Review Phase, and a Construction Support and Observation Phase.

Mesa Public Schools

Re: Proposal for Mechanical and Electrical Engineering Services P14241

November 14, 2014

Page 2

2. AZPE will visit the jobsite at the beginning of the project to verify the existing mechanical and electrical conditions.
3. AZPE will transcribe the existing architectural, mechanical and electrical drawings to electronic documents including any revisions to the area discovered by the site verification phase.
4. AZPE will provide a site plan showing the general area of construction.
5. Original drawings and specifications in electronic PDF format will be issued as the evidence of the completed design.
6. AZPE will coordinate with the Client or the Contractor on any clarification of the mechanical and electrical plans or specifications during construction.
7. AZPE will review shop drawings for the new mechanical and electrical equipment solely for conformance with the Engineer's design intent and instruments of service.
8. AZPE will visit the project upon the request of the Client during construction of the mechanical and electrical systems to become generally familiar with the progress and quality of the Contractors' work and to determine if the work is proceeding in general conformance with the Contract Documents.
9. Upon completion of construction, AZPE will prepare a set of Mechanical and Electrical Record Documents conforming to the marked-up prints, drawings, and other data furnished to the Engineer by the Contractor. The Record Documents will show the reported location of the work and significant changes made during construction. AZPE will submit the Record Documents in hard copy and electronic media. Because these Record Documents will be based on unverified information provided by others, the Engineer cannot warrant their accuracy.
10. AZPE will exercise due and reasonable diligence to complete the services described herein within a mutually agreed upon time frame. If AZPE discerns that the schedule will not be met for any reason, the Client will be notified as soon as practically possible.

Plumbing

1. AZPE will design and specify modifications to the existing water, waste, and vent piping systems as required to replace the existing sewage ejector with a new sewage ejector.
2. AZPE will design and specify a new "packaged" sewage ejector sized to accommodate the existing 2-story Classroom Building.
3. AZPE will design and specify a new hose bibb to be installed adjacent to the new sewage ejector.

Mesa Public Schools

Re: Proposal for Mechanical and Electrical Engineering Services P14241

November 14, 2014

Page 3

4. AZPE will coordinate the design features of the plumbing system with the other Engineering disciplines.

Electrical

1. AZPE will prepare electrical load calculations in accordance with NEC requirements.
2. AZPE will design and specify branch circuits to all new plumbing equipment. Note: The new electrical design will be based on the assumption that the existing electrical S.E.S. will accommodate this new equipment.
3. AZPE will design and specify modifications to the existing electrical panels as required by the new plumbing equipment.
4. AZPE will coordinate the design features of the electrical systems with other Engineering disciplines.

EXCLUSIONS

The following items shall be excluded from AZPE's Scope of Basic Engineering Services:

1. Printing or reproduction costs for plan review or bid documents.
2. Cost of obtaining any permits.
3. Cost of hiring a locator service to determine the location of existing concealed utilities.
4. Detailed comparisons of various mechanical or electrical systems or special components.
5. Preparation of short circuit, arc flash analysis and protective device coordination study.
6. 3D or 4D building information modeling (BIM) of the mechanical or electrical systems.
7. Commissioning of the project whereby AZPE conducts detailed tests to verify the proper operation of the various mechanical and electrical systems and components. This is normally the responsibility of the installing contractor(s), but can be provided by AZPE as an Additional Service. (See "Additional Services" paragraph.)

CLIENT RESPONSIBILITIES

The Client shall be responsible for the following items:

1. Provide access to the project area during normal business hours and a ladder, as required.
2. Furnish existing mechanical and electrical plans for coordination purposes.

Mesa Public Schools

Re: Proposal for Mechanical and Electrical Engineering Services P14241

November 14, 2014

Page 4

3. At project completion, provide the Engineer with one set of final plans and specifications.

ENGINEERING FEES

<u>Task</u>	<u>Fees</u>
Verification of Existing	\$400.00
Utility Locating Allowance	\$400.00
Construction Documents	\$1,500.00
Shop Drawing Review	\$100.00
Construction Support and Observations*	<u>\$800.00</u>
TOTAL	\$3,200.00

*Includes up to one (1) mechanical and one (1) electrical man-trip during construction.

Any additional construction observations will be performed on a man-trip basis for a fee of \$400.00 per man-trip including travel time, report writing, and follow-up.

Certain costs shall be considered "reimbursable costs", namely, multiple copies of documents for review, bidding, or construction; and Client-requested express courier charges. Fees and permits for measuring static pressure at nearby water mains shall also be considered as reimbursable costs. Reimbursable costs will be billed to the Client at our cost.

AZPE will provide one set of reproducible documents in electronic PDF format for Owner/Client review upon the completion of major milestones, e.g., at the 60% and 100% submittal phases. Additional sets of plots of large format drawings will be billed at \$4.00 per plot.

We will bill monthly based on percentage of work completed. We reserve the right to charge 1.5% per month interest on any unpaid balance after 30 days of invoice date.

ADDITIONAL SERVICES

If during the performance of the work you require that Arizona Pinnacle Engineering, LLC, provide services that are not included in our Scope of Basic Engineering Services, we will initiate an Additional Services Letter that will require your signature prior to completing such "Additional Services". Additional Services are available on an hourly or lump sum fee basis, depending on task. We are enclosing our Hourly Billing Rate Schedule for your reference.

Review of Contractor-prepared shop drawings that depict a design scheme significantly different than that shown on the Contract Documents can be performed on an hourly fee basis, as an additional service.

Mesa Public Schools

Re: Proposal for Mechanical and Electrical Engineering Services P14241

November 14, 2014

Page 5

Additional Services during construction include items such as substitution of materials due to delivery schedules after shop drawing approval, working out any solutions or alterations to Contractor-generated problems, working out any conflicts due to lack of coordination by the General Contractor or Subcontractors, or any Owner/Architectural-generated changes. This includes letters, phone calls, investigations, etc., caused by the above. If the time spent by us is a result of our own errors or omissions, it is understood such time will not be billable.

LIMITS OF RESPONSIBILITY

The services to be performed by the Engineer under this Agreement are intended solely for the benefit of the Client. Nothing contained herein shall confer any rights upon or create any duties on the part of the Engineer toward any person or persons not a party to this Agreement including, but not limited to any consultant, sub-consultant, or the agents, officers, employees, insurers, or sureties of any of them.

The Client and the Engineer waive all rights for damages, each against the other and against the sub-consultants, agents, and employees of the other, but only to the extent covered by property insurance during or after the performance of the work described herein except such rights as they may have to the proceeds of such insurance.

CESSATION OF WORK

Arizona Pinnacle Engineering, LLC, reserves the right to cease work, without legal penalty if payment for services is not received by AZPE within 15 days of the date that the Client receives payment from the Owner.

TERMINATION OF CONTRACT

This contract shall be terminated if either of the following conditions exists:

1. Immediately upon written notice that the Prime Agreement has been terminated.
2. Upon seven (7) days written notice should either party fail to perform in accordance with the articles of this Agreement. In the event of termination of this Agreement for reasons beyond the control of Arizona Pinnacle Engineering, LLC, the Engineer shall be compensated for all costs and expenses incurred in connection with the production of the project, based upon a pro-rata portion of the engineering work completed.

Mesa Public Schools

Re: Proposal for Mechanical and Electrical Engineering Services P14241

November 14, 2014

Page 6

MEDIATION

Any claim or dispute arising out of, or related to, this Agreement shall be subject to mediation as a condition precedent to arbitration or the institution of legal or equitable proceedings for either party. The parties shall endeavor to resolve claims or disputes between them by mediation which, unless the parties mutually agree otherwise, shall be in accordance with the Construction Industry Mediation Rules of the American Arbitration Association currently in effect. The parties shall share the mediators fees and filing fees equally. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.

ARBITRATION

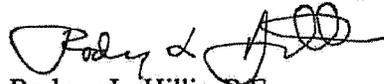
All claims or disputes arising out of, or related to, this Agreement shall be subject to arbitration. Claims or disputes between the parties that are not resolved by mediation shall be decided by arbitration which, unless the parties mutually agree otherwise, shall be in accordance with the Construction Industry Arbitration Rules of the American Arbitration Association currently in effect. The award rendered by the arbitrator or arbitrators shall be final, and judgment may be entered upon it in accordance with the applicable law in any court having jurisdiction thereof.

OFFER AND ACCEPTANCE

We have made an extra effort to be competitive on this proposal. If there is any item in the scope of work that you would like us to omit or add, please call.

We appreciate the opportunity of working with you again and know it will be mutually beneficial.

Sincerely,
ARIZONA PINNACLE ENGINEERING, LLC



Rodney L. Hillis, P.E.
Managing Member

If the terms of this Agreement are acceptable, please indicate your acceptance and return a copy to our office. A signed Agreement is required prior to our commencing work.

Client Signature / Title

Date



ARIZONA PINNACLE ENGINEERING, LLC
Mechanical and Electrical Consulting Engineers

Steven F Durand, P.E. Δ Rodney L Hillis, P.E. Δ Eudjen Savu, P.E. Δ Scott E Woods, P.E.

HOURLY RATE SCHEDULE

All work which is authorized as Hourly Services will be charged at the following hourly billing rates:

Manager	\$160.00
Engineer	\$145.00
Senior Designer	\$105.00
Designer	\$95.00
Drafter	\$80.00
Clerical	\$70.00

The above rates are valid through December 31, 2014.

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 Building Renewal Grant Fund

District: **Scottsdale Unified**
 BRG Project Number: **070248103-9999-031BRG**
 Project Description: **Roof replacement**
 Consultant: **WRECORP (623-878-7117)**
 Contractor: **TBD**
 Board Approval: **1/7/2015**

Maricopa County

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost (cost estimate provided by architect or contractor)	\$ -
Contingency ①	\$ -
Architecture / Engineering (A&E) Fees	\$ 8,115
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection	\$ -
Total Additional Cost:	\$ 8,115
Total SFB Funded Project Cost:	\$ 8,115
District Share (Local Funds):	\$ -
SFB Board Approved Amount:	\$ 8,115
Total Project Cost:	\$ 8,115

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 12/11/2014 11:00:49 AM

Application ID: 1720

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Scottsdale Unified District
Superintendent: David Peterson
Contact Person: Carlos Monreal
Contact Phone Number: 4804848519
Contact Email: cmonreal@susd.org
School Site: Tavan Elementary School
Buildings: 1012 11A

Application Title: Building 11 Roof

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

The 25 year old single ply roof over building 11 has failed and it must be replaced due to the damage to the internal mesh degradation. The submitted proposal for roof evaluation consulting fee is \$8115.00. Additionally the cost for the subsequent roof replacement is approximately \$75,000.00

Project Category: Roofing

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

Liaison: Cruse

pcruse@azsfb.gov

602-364-1193

DAVID J. PETERSON
Superintendent Printed Name

[Signature]
Superintendent Signature

12/11/14
Date

PROPOSAL

PROJECT IDENTIFICATION

PROJECT NAME	Scottsdale Unified School District
PROJECT	Tavan Elementary School Building #11
SITE ADDRESS	4610 E. Osborn Rd. Phoenix, AZ 85018

PROPOSAL

This proposal, dated this day of December 3, 2014, is between Scottsdale Unified School District ("Client") and WRECORP (Western Roof Evaluation Corporation) ("Consultant") to set forth and further define the Scope of Services for the project generally referred to as Roof Inspection. If accepted this document shall form an agreement between the client and the consultant.

Client and Consultant, after negotiation, have defined the Scope of Services as follows:

- Evaluate existing roof and ascertain conditions that determine the factors for replacement and design.
- Create a scope of work and specification.
- Create CAD of roof foot print.
- Create construction details.
- Conduct pre-bid meeting with chosen contractors and manufacturers.
- Review submittals and schedule from chosen contractor.
- Conduct pre-roofing meeting with contractor, manufacturer and client.
- Provide quality assurance monitoring two days a week. Photo documented reports for each day's monitoring.
- Conduct a punch list inspection after completion of work.
- Conduct a close out inspection.
- Create a close out book in 3 ring binder and electronic disk.

Fees: \$8,115.00

Compensation for services and terms of payment shall be as follows: Due upon receipt of invoice.

Limitations on Consultant's Responsibility, Indemnity & Insurance

Client acknowledges that Consultant is performing professional service on behalf of Client and in the event claims, losses, damages or expenses are caused by the negligence of Client, contractors or both, Client agrees to indemnify and hold harmless Consultant, and Consultant's officers, employees, agents and representatives, from and against liability for all Professional Liability claims, losses, damages and expenses whether or not insured, including reasonable attorney's fees.

WRECORP (Western Roof Evaluation Corporation)

Consultant

By: Jerry L. Brown 12/3/2014
Signature in ink Date

Name: Jerry L. Brown
Title: President

Owner _____

By: _____
Signature in ink Date

Name: _____
Title: _____

Pat Cruse

From: Jerry Brown [Jerry@wrecorp.com]
Sent: Wednesday, December 03, 2014 4:58 PM
To: Carlos Monreal; Pat Cruse
Cc: Dave Collins; Brett Holliday
Subject: RE: Tavan Elementary
Attachments: Tavan Elementary School Building #11 Roof Consulting Proposal 12-3-14.pdf; Tavan Elementary School Building Multipurpose 2 roofs with walls 12-3-14 .pdf; Tavan Elementary School Building Multipurpose 2 upper roofs that have been coated 12-3-14 .pdf

Carlos

I have attached multiple proposals for your review.

1. Building #11, this roof cannot be saved and must be replaced due to the damage to the internal mesh degradation. I believe the budget for this roof will be approximately \$75,000.00 including all new metal flashings and cover/insulation boards. You will need to add 10% contingency for wood deck replacement due to structurally unsound decking.
2. Multipurpose Building, west and north decks that do not have any white coatings. Budget for these 2 roofs will be approximately \$18,000.00. These roofs can be restored using a coating system with repairs.
3. Multipurpose Building, center and upper roofs with white coatings. These roofs do not have the appropriate amount of coatings on them at this time and additional coatings need to be added. Budget \$16,000.00. These roofs only need to be cleaned and the appropriate dry film thickness of coatings added.

These walls on the Multipurpose Building will need to be coated with a sealer or a elastomeric coating. Budget \$45,000.00 for the entire exterior.

Jerry L. Brown, RRO
Roof Consultant
6829 W. Corrine Dr.
Peoria, AZ 85381

Office: 623-878-7117
Cell: 602-571-8803

From: Carlos Monreal [mailto:cmonreal@susd.org]
Sent: Wednesday, November 19, 2014 10:47 AM
To: Jerry Brown
Cc: Dave Collins; Brett Holliday
Subject: Tavan Elementary

Jerry,

As per our phone conversation, we need to have you asses the roof on building 11 at Tavan Elementary located at 4310 E Osborn Rd. Phoenix 85018, and provide us with a quote.

The site contact person is Brett Holiday and his phone number is 602-478-7812. You can schedule visit directly with him.

Thank You.

Carlos Monreal

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Show Low Unified**
 BRG Project Number: **090210225-1001-004BRG**
 Project Description: **Roof repairs**
 Consultant: **WRECORP**
 Contractor: **TBD**

Navajo County

Board Approval: 1/7/2015

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost: (cost estimate provided by architect or contractor)	\$ -
Contingency ①	\$ -
Additional Cost:	
Architecture / Engineering (A&E) Fees	\$ 4,158
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection	\$ -
Total Additional Cost:	\$ 4,158
Total SFB Funded Project Cost:	\$ 4,158
District or Local Funds:	\$ -
SFB Board Approved Amount:	\$ 4,158
Total Project Cost:	\$ 4,158

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 10/2/2014 9:39:33 AM

Application ID: 1573

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Show Low Unified District
Superintendent: Kevin Brackney
Contact Person: Ralph Smith
Contact Phone Number: 928-242-4235
Contact Email: rcsmith@show-low.k12.az.us
School Site: Show Low Junior High School (formerly Show Low Intermediate School)
Buildings:
1001 Main Building
1008 Auditorium

Application Title: Show Low JH Roofing

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

We have received reports of leaking at the junction of the addition and the original building. We have had past reports from roofing companies that there is a problem with the roof. At this time, I don't have those reports. We have a new Maintenance Director and he doesn't know if he has those reports or not.

Project Category: Roofing

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

This project is not covered by any insurance and the district has \$0.00 to cover any additional funding.

Liaison: Cruse pcruse@azsfb.gov 602-364-1193

Kevin Brackney
Superintendent Printed Name

Building Renewal Grant Application

Kevin Brackney
Superintendent Signature _____ Date 12/5/14

PROPOSAL

PROJECT IDENTIFICATION

PROJECT NAME	Show Low Junior High School
PROJECT	Roof Replacement on Flat BUR Roof
SITE ADDRESS	500 W. Old Linden Rd.
	Linden, AZ 85901

PROPOSAL

This proposal, dated this day of November 5, 2014, is between Show Low Unified School District ("Client") and WRECORP (Western Roof Evaluation Corporation) ("Consultant") to set forth and further define the Scope of Services for the project generally referred to as Roof Inspection. If accepted this document shall form an agreement between the client and the consultant.

Total Fees: \$3,350.00 (This project must be in combination with the Linden Elementary School, which will enable WRECORP to combine visits)

- Investigate the existing roof system and assess.
- Create a scope of work and specification.
- Create CAD of roof foot print.
- Create construction details.
- Provide quality assurance, punch list and closeout visits in coordination with Linden.

Compensation for services and terms of payment shall be as follows: Invoice is due upon receipt.

WRECORP (Western Roof Evaluation Corporation)

Consultant

By: Jerry L. Brown 11/5/2014
Signature in ink *Date*

Name: Jerry L. Brown
Title: President

Owner

By: _____
Signature in ink *Date*

Name: _____
Title: _____

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Show Low Unified**
 BRG Project Number: **090210116-1004-005BRG**
 Project Description: **Roof replacement**
 Consultant: **WRECORP**
 Contractor: **TBD**

Navajo County

Board Approval: 1/7/2015

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost: (cost estimate provided by architect or contractor)	\$ -
Contingency ①	\$ -
Additional Cost:	
Architecture / Engineering (A&E) Fees	\$ 4,158
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection	\$ -
Total Additional Cost:	\$ 4,158
Total SFB Funded Project Cost:	\$ 4,158
District or Local Funds:	\$ -
SFB Board Approved Amount:	\$ 4,158
Total Project Cost:	\$ 4,158

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 10/2/2014 9:29:06 AM
Resubmittal Date: 12/5/2014 11:34:47 AM

Application ID: 1572

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Show Low Unified District
Superintendent: Kevin Brackney
Contact Person: Ralph Smith
Contact Phone Number: 928-242-4235
Contact Email: rcsmith@show-low.k12.az.us
School Site: Linden Elementary School
Buildings:
1001 Main Building
1004 Addition

Application Title: Linden Roofing

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

We have received reports of the roof leaking at the Linden Elementary School. The leaks are getting to the point where the carpets are beginning to saturate. Naturally the ceiling tiles are also being ruined and need to be replaced as needed.

To the best of our knowledge, the roofing system on the Main building is the original system put on in 1983 (31 years ago) and the system on the addition was put on in 1999 (15 years ago).

Project Category: Roofing

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

This project is not covered under any insurance and the district does not have any available funding for this project.

Liaison: Cruse pcruse@azsfb.gov 602-364-1193

Building Renewal Grant Application

Superintendent Printed Name Kevin Brackney

Superintendent Signature Kevin Brackney

Date 12/5/14

PROPOSAL

PROJECT IDENTIFICATION	
PROJECT NAME	Linden Elementary School
PROJECT	Roof Replacement
SITE ADDRESS	1009 School House Lane
	Linden, AZ 85901

PROPOSAL

This proposal, dated this day of November 5, 2014, is between Show Low Unified School District ("Client") and WRECORP (Western Roof Evaluation Corporation) ("Consultant") to set forth and further define the Scope of Services for the project generally referred to as Roof Inspection. If accepted this document shall form an agreement between the client and the consultant.

Design Fees: \$3,350.00

- Investigate the existing roof system and assess.
- Create a scope of work and specification.
- Create CAD of roof foot print.
- Create construction details.

Pre-Bid Fees: \$1,866.00

- Conduct pre-bid meeting with chosen contractors and manufacturers.
- Review submittals and schedule from chosen contractor.

Site Visits Fees: \$9,800.00

- Conduct pre-roofing meeting with contractor, manufacturer and client.
- Provide quality assurance monitoring twice. Photo documented reports for each monitoring visit.
- Conduct a punch list inspection after completion of work.
- Conduct a close out inspection.
- Create a close out book in 3 ring binder and electronic disk.

Compensation for services and terms of payment shall be as follows: Invoice is due upon receipt.

WRECORP (Western Roof Evaluation Corporation)

Consultant

By: Jerry L. Brown 11/5/2014
Signature in ink *Date*

Name: Jerry L. Brown
Title: President

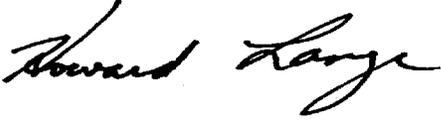
Owner

By: _____
Signature in ink *Date*

Name: _____
Title: _____

If you have any questions, please contact me at (480) 940-5294 or by Mobile at (480) 580-9610.

Sincerely

A handwritten signature in black ink that reads "Howard Lange". The signature is written in a cursive style with a large, sweeping initial 'H' and a long, trailing flourish at the end of the name.

Howard Lange

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 Building Renewal Grant Fund

District: **Tolleson Union**
 BRG Project Number: **070514201-1004-006BRG** Maricopa County
 Project Description: **Repair sewer piping**
 Architect of Record: **Red Tree Consulting Group (602-989-2433)**
 Contractor: **TBD**
 Board Approval Date: **1/7/2015**

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost: (cost estimate provided by architect or contractor)	\$ -
Contingency ①	\$ -
Additional Cost:	
Architecture / Engineering (A&E) Fees	\$ 2,950
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection	\$ -
Total Additional Cost:	\$ 2,950
Total SFB Funded Project Cost:	\$ 2,950
District or Local Funds:	\$ 5,000
SFB Board Approved Amount:	\$ 2,950
Total Project Cost:	\$ 7,950

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 12/8/2014 2:35:25 PM

Application ID: 1708

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Tolleson Union High School District

Superintendent: Lexi Cunningham

Contact Person: Richard Oros

Contact Phone Number: 623-478-4102

Contact Email: Richard Oros

School Site: Tolleson Union High School

Buildings: 1004 300

Application Title: Tolleson Union High School Building 300 Sewer Line

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

Tolleson Union High School was initially built in 1928 and due to growth additions have been made to the campus to accommodate the growth. Building 300 was built in 1981 with classrooms, restrooms, small kitchen and a lab which all have a common sewer line that runs under the classrooms. This sewer line has failed in several areas causing sewage line to backup. The sewer line is offline until repaired. Broken sections of pipes have been detected at the 20 ft. and 60 ft. sections from the clean-out located on the north end of the building in the custodial closet. The sewer line was inspect with a camera and the footage has been attached to the grant application for your review. This sewer line is critical to operation of the school. I am requesting funding to address this health and safety issue.

Project Category: Plumbing

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project	\$5,000.00
--	------------

Please outline any associated insurance coverage.

This is not covered by our insurance.

Liaison: Cruse

pcruse@azsfb.gov

602-364-1193



RedTree

CONSULTING GROUP

December 11, 2014

Mr. Richard Oros
Tolleson Union High School District
9801 West Van Buren Street
Tolleson, Arizona 85353

RE: **Tolleson Union High School Building # 300**
9419 West Van Buren Street
Tolleson, Arizona 85353

Mr. Oros,

Below are the proposed consulting fees for the Building # 300 waste line repair scope of work and performance specification.

DESCRIPTION	ESTIMATED FEE
Survey suspect damaged waste line inside Building # 300 as identified by Facility Director. Endoscope camera services to be provided by others and to be coordinated with RTCG survey of suspect damage waste line. Draft a detailed contractor repair scope of work including a cured in place pipe specification (if circumstances permit) with a licensed mechanical engineer review. Mileage and reprographic expenses included. This proposal does not include any additional engineering fees other than what is outlined herein.	\$ 2,950.00

Reimbursable expenses for reprographic work, etc are at cost plus 10%. Mileage is reimbursed at current IRS mileage rate at the time of work. Additional work is at standard hourly rates and will be defined and approved in writing by Owner prior to commencement of work.

Thank you for allowing Red Tree Consulting Group the opportunity to provide these services to you. We look forward to providing you a comprehensive solution. Red Tree will confirm any change to the above scope of work prior to executing any additional services. If you have any questions regarding this estimated fee proposal, please feel free to contact me at your convenience.

Thank you,

Michael L. Crow
Director of Field Operations, Partner
602.989.2433
mcrow@redtreeco.com

SCHOOL FACILITIES BOARD

BUILDING RENEWAL GRANT

Detail of Additional Cost and Contingency
 Building Renewal Grant Fund

District: **Tolleson Union**
 BRG Project Number: **070514201-1027-007BRG** Maricopa County
 Project Description: **Repair sewer piping**
 Architect of Record: **Red Tree Consulting Group (602-989-2433)**
 Contractor: **TBD**
 Board Approval Date: **1/7/2015**

School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost: (cost estimate provided by architect or contractor)	\$ -
Contingency ①	\$ -
Additional Cost:	
Architecture / Engineering (A&E) Fees	\$ 2,950
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ -
Testing & Inspection	\$ -
Total Additional Cost:	\$ 2,950
Total SFB Funded Project Cost:	\$ 2,950
District or Local Funds:	\$ 5,000
SFB Board Approved Amount:	\$ 2,950
Total Project Cost:	\$ 7,950

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 12/12/2014 6:43:15 AM

Application ID: 1728

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Tolleson Union High School District

Superintendent: Lexi Cunningham

Contact Person: Richard Oros

Contact Phone Number: 623-478-4102

Contact Email: richard.oros@tuhsd.org

School Site: Tolleson Union High School

Buildings: 1027 2200 Building

Application Title: Tolleson Union HS Building 2200 Floor Damage

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

Tolleson Union High School was initially built in 1928 and due to growth additions have been made to the campus to accommodate the growth. Building 2200 was built in 2001 with classrooms, restrooms, and science labs which all have a common sewer line that runs under the classrooms. The floor in room 2207 has the concrete floor lifting and has become a safety issue. Due to the floor deflection walls have cracked and inside doors do not secure. As per our last inspection you requested me to submit for a grant. I am requesting funding to investigate the sewer line for leaks that would cause the damage. I have attached a proposal for the investigation of the sewer line and specs to repair this issue.

Project Category: Surfaces

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$5,000.00

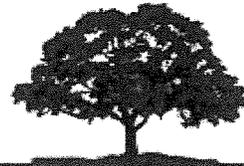
Please outline any associated insurance coverage.

This is not covered by our insurance.

Liaison: Cruse

pcruse@azsfb.gov

602-364-1193



December 11, 2014

Mr. Richard Oros
Tolleson Union High School District
9801 West Van Buren Street
Tolleson, Arizona 85353

RE: **Tolleson Union High School # 2207**
9419 West Van Buren Street
Tolleson, Arizona 85353

Mr. Oros,

Below are the proposed consulting fees for the # 2207 waste line repair scope of work and performance specification.

DESCRIPTION	ESTIMATED FEE
Survey suspect damaged waste line inside room # 2207 as identified by Facility Director, including but not limited to, providing camera endoscope services required for preparation of drafting a contractor repair scope of work. Draft a detailed contractor repair scope of work including a cured in place pipe specification (if circumstances permit) with a licensed mechanical engineer review. Mileage, plumbing endoscope and reprographic expenses included. This proposal does not include any additional engineering fees other than what is outlined herein.	\$ 2,950.00

Reimbursable expenses for reprographic work, etc are at cost plus 10%. Mileage is reimbursed at current IRS mileage rate at the time of work. Additional work is at standard hourly rates and will be defined and approved in writing by Owner prior to commencement of work.

Thank you for allowing Red Tree Consulting Group the opportunity to provide these services to you. We look forward to providing you a comprehensive solution. Red Tree will confirm any change to the above scope of work prior to executing any additional services. If you have any questions regarding this estimated fee proposal, please feel free to contact me at your convenience.

Thank you,

A handwritten signature in black ink, appearing to read 'M. Crow'.

Michael L. Crow
Director of Field Operations, Partner
602.989.2433
mcrow@redtreeco.com

STATE OF ARIZONA
SCHOOL FACILITIES BOARD

Meeting Date: January 7, 2015

Agenda Item V.e.

Subject: **V. Building Renewal Grant Requests**
 e. Consideration and possible vote to accept, reject or modify
 Building Renewal Grant Requests (denial)

Dysart Unified (3 requests)

Background - Dysart Unified (Dysart ES - roof restoration)

Dysart Unified has submitted a Building Renewal Grant request for restoration of the roofs at Dysart Elementary School.

Staff has visited the school and it appears the district has been doing excellent preventive and predictive maintenance for these roofs. The warranty expires in May 2017 per an email from the district.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Dysart Unified (Dysart ES - roof restoration)

Staff recommends that Dysart Unified's request for Building Renewal Grant funding to restore the roofs at Dysart Elementary School be denied because it appears the current roofs are still under warranty till May 2017.

Background - Dysart Unified (Mountain View ES - roof restoration)

Dysart Unified has also submitted a Building Renewal Grant request for restoration of the roofs at Mountain View Elementary School.

Staff has visited the school and it appears the district has been doing excellent preventive and predictive maintenance for these roofs. The warranty expires in May 2017 per an email from the district.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Dysart Unified (Mountain View ES - roof restoration)

Staff recommends that Dysart Unified's request for Building Renewal Grant funding to restore the roofs at Mountain View Elementary School be denied because it appears the current roofs are still under warranty till 2017.

Background - Dysart Unified (Surprise ES - roof repairs)

Dysart Unified has also submitted a Building Renewal Grant request for repairs to the roofs at Surprise Elementary School.

Staff has visited the school and it appears the district has been doing excellent preventive and predictive maintenance for these roofs. The warranty expires in May 2017 per an email from the district. This 20 year roof was installed in 2006 and is showing signs of failure; however, the manufacturer has declined to assist the district

Staff has advised the district to contact their architect and contractor to assist in warranty repairs.

Criteria for Eligibility

Pursuant to A.R.S. §15-2032, Building Renewal Grant Funds are only available to correct primary building renewal projects.

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Dysart Unified (Surprise ES - roof repairs)

Staff recommends that Dysart Unified's request for Building Renewal Grant funding to repair the roofs at Surprise Elementary School be denied because it appears the current roofs are still under warranty.

Board Action Requested: [] information [X] action / described below

1. Board approval of the staff recommendation that **Dysart Unified's** request for Building Renewal Grant funding to restore the roofs at Dysart Elementary School be **denied** because it appears the current roofs are still under warranty till May 2017.
2. Board approval of the staff recommendation that **Dysart Unified's** request for Building Renewal Grant funding to restore the roofs at Mountain View Elementary School be **denied** because it appears the current roofs are still under warranty till 2017.
3. Board approval of the staff recommendation that **Dysart Unified's** request for Building Renewal Grant funding to repair the roofs at Surprise Elementary School be **denied** because it appears the current roofs are still under warranty.

Attachments: Yes [X] No []

Building Renewal Grant Application

Initial Submission Date: 11/19/2014 7:24:12 AM

Application ID: 1653

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Dysart Unified District
Superintendent: Dr. Gail Pletnick
Contact Person: Bob Young
Contact Phone Number: 6238767028
Contact Email: bob.young@dysart.org
School Site: Dysart Elementary School

Buildings:

1001	Building A
1005	Classroom Addition
1007	2010 Classroom addition

Application Title: Roofing

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

clean and prep roof, remove and replace base flashings, reinforce all drains and scuppers, reflash penetrations, re-caulk wall joints, copint joints, and surface mounted counter flashings, three course any areas showing movement, prime areas, install two coats energy star rated coatings, full five year warranty.

Project Category: Roofing

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

District does not have adequate funds to fund this project.

Liaison: Cruse pcruse@azsfb.gov 602-364-1193

Superintendent Printed Name

"To ensure compliance with the Open Meeting Law, recipients of this message should not forward it to other members of the public body (Governing Board). Members of the public body may reply to this message but should not send a copy to the other members."

On Mon, Dec 1, 2014 at 9:19 AM, Pat Cruse <pcruse@azsfb.gov> wrote:

Okay great. How about tomorrow am say 8?

From: Young, Bob [mailto:bob.young@dysart.org]
Sent: Monday, December 01, 2014 6:35 AM
To: Pat Cruse
Subject: Re: RE: Re: RE: Fwd:

Hi Pat,

I am good to walk these roofs Wednesday or Thursday this week after 11:00; if that works for you. Next week Monday, Tuesday, or Wednesday I'm open all morning until 11:00. Let me know what works best for you.

Don Brubaker is revising the proposal to break out each site. Here is the roofing warranty info;

Dysart Elementary School was re-coated on buildings 1001, 1005, and 1007 as part of a remodel. It's a Tamko product and these roof part warranties expire on 5-31-2017.

Mountain View is a built up roof, not re-coated, GAF product expires 5-31-2017.

Surprise school is built-up roofing, re-coated in some areas of repair. Warranty expires 10-1-2015. This is Also a Tamko roof.

Just an FYI, I've met with the Tamko roofing rep and they refused to help because we 'repaired' with other products.



December 1, 2014

Bob Young, Director of Maintenance and Facilities
Dysart Unified School District
13825 W. Desert Cove Rd.
Surprise, AZ 85379

Re: Existing Roof Recoating and Repairs
Dysart Elementary School

Subj: Fee Proposal

Dear Mr. Young:

This proposal is for architectural/engineering services for the recoating and repairs of existing roofs at the Dysart Elementary School in the Dysart Unified School District.

Description of Work:

1. Approximate roof area that requires remedial work.
 - a. Dysart Elementary School: 20,000 sf
2. Each roof area will be recoated with an energy star roof coating system. Addition work will consist of repairing flashing, re-caulking, general inspection of roof conditions, etc., as required.

A/E Services:

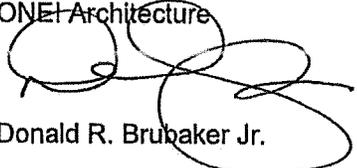
1. Construction documents that describe the roof areas requiring remedial work.
2. Roof details.
3. Roof Specifications.
4. Construction Cost Estimate.
5. Structural Engineer's review of the existing roof structure and certification that the existing structure is capable of supporting the new roofing scope of work.

A/E Fee: \$1,750.00

We are prepared to begin work immediately upon approval.

Sincerely,

ONE! Architecture



Donald R. Brubaker Jr.

Principal Architect

Building Renewal Grant Application

Initial Submission Date: 11/19/2014 7:23:36 AM

Application ID: 1652

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Dysart Unified District
Superintendent: Dr. Gail Pletnick
Contact Person: Bob Young
Contact Phone Number: 6238767028
Contact Email: bob.young@dysart.org
School Site: Mountain View
Buildings: 9999 School Wide

Application Title: Roofing

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

clean and prep roof, repair all membrane splits with coating and fabric, re-flash all drains and scuppers, tighten all roof drains, re caulk parapet walls and counter flashings, seal all roof projections, prime areas, remove and replace damaged roof flashings, coat entire roof with two coats energy star rated coating, full five year warranty.

Project Category: Roofing

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

District does not have adequate funding to fund this project.

Liaison: Cruse pcruse@azsfb.gov 602-364-1193

Superintendent Printed Name

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On Mon, Dec 1, 2014 at 9:19 AM, Pat Cruse <pcruse@azsfb.gov> wrote:

Okay great. How about tomorrow am say 8?

From: Young, Bob [mailto:bob.young@dysart.org]
Sent: Monday, December 01, 2014 6:35 AM
To: Pat Cruse
Subject: Re: RE: Re: RE: Fwd:

Hi Pat,

I am good to walk these roofs Wednesday or Thursday this week after 11:00; if that works for you. Next week Monday, Tuesday, or Wednesday I'm open all morning until 11:00. Let me know what works best for you.

Don Brubaker is revising the proposal to break out each site. Here is the roofing warranty info;

Dysart Elementary School was re-coated on buildings 1001, 1005, and 1007 as part of a remodel. It's a Tamko product and these roof part warranties expire on 5-31-2017.

Mountain View is a built up roof, not re-coated, GAF product expires 5-31-2017.

Surprise school is built-up roofing, re-coated in some areas of repair. Warranty expires 10-1-2015. This is Also a Tamko roof.

Just an FYI, I've met with the Tamko roofing rep and they refused to help because we 'repaired' with other products.



December 1, 2014

Bob Young, Director of Maintenance and Facilities
Dysart Unified School District
13825 W. Desert Cove Rd.
Surprise, AZ 85379

Re: Existing Roof Recoating and Repairs
Mountain View Elementary School

Subj: Fee Proposal

Dear Mr. Young:

This proposal is for architectural/engineering services for the recoating and repairs of existing roofs at the Mountain View Elementary School in the Dysart Unified School District.

Description of Work:

1. Approximate roof area that requires remedial work.
 - a. Mountain View Elementary School: 77,000 sf
2. Each roof area will be recoated with an energy star roof coating system. Addition work will consist of repairing flashing, re-caulking, general inspection of roof conditions, etc., as required.

A/E Services:

1. Construction documents that describe the roof areas requiring remedial work.
2. Roof details.
3. Roof Specifications.
4. Construction Cost Estimate.
5. Structural Engineer's review of the existing roof structure and certification that the existing structure is capable of supporting the new roofing scope of work.

A/E Fee: \$4,900.00

We are prepared to begin work immediately upon approval.

Sincerely,

ONE! Architecture

A handwritten signature in black ink, appearing to read "Donald R. Brubaker Jr.", is written over the printed name.

Donald R. Brubaker Jr.

Principal Architect

Building Renewal Grant Application

Initial Submission Date: 11/19/2014 7:23:20 AM

Application ID: 1651

Resubmittal Date:

Please provide as much of the requested information as possible. SFB staff will assist in developing required information that is not currently available.

District Name: Dysart Unified District
Superintendent: Dr. Gail Pletnick
Contact Person: Bob Young
Contact Phone Number: 6238767028
Contact Email: bob.young@dysart.org
School Site: Surprise Elementary School
Buildings:
1011 Building A
1012 Building B

Application Title: Roofing

Description of Problem

Please include a detailed description of the issues, as well as a description of and a copy of any professional studies, citations or reports from government entities, recommended solutions, and any cost information or estimates. If additional space is needed, please attach.

Clean repair, re-flash-tighten all roof drains, re caulk parapet walls, counter flashings, seal all projections, prime areas, remove and replace damaged base flashings, coat entire roof with two coats energy star rated coatings, full five-year warranty.

Project Category: Roofing

Are any of the above-described issues in buildings or part of buildings that are leased to another entity, including a district sponsored charter school? N

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

District funding is not adequate to fund these roofing projects

Liaison: Cruse pcruse@azsfb.gov 602-364-1193

Superintendent Printed Name

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Okay great. How about tomorrow am say 8?

From: Young, Bob [<mailto:bob.young@dysart.org>]
Sent: Monday, December 01, 2014 6:35 AM
To: Pat Cruse
Subject: Re: RE: Re: RE: Fwd:

Hi Pat,

I am good to walk these roofs Wednesday or Thursday this week after 11:00; if that works for you. Next week Monday, Tuesday, or Wednesday I'm open all morning until 11:00. Let me know what works best for you.

Don Brubaker is revising the proposal to break out each site. Here is the roofing warranty info;

Dysart Elementary School was re-coated on buildings 1001, 1005, and 1007 as part of a remodel. It's a Tamko product and these roof part warranties expire on 5-31-2017.

Mountain View is a built up roof, not re-coated, GAF product expires 5-31-2017.

Surprise school is built-up roofing, re-coated in some areas of repair. Warranty expires 10-1-2015. This is Also a Tamko roof.

Just an FYI, I've met with the Tamko roofing rep and they refused to help because we 'repaired' with other products.



December 1, 2014

Bob Young, Director of Maintenance and Facilities
Dysart Unified School District
13825 W. Desert Cove Rd.
Surprise, AZ 85379

Re: Existing Roof Recoating and Repairs
Surprise Elementary School

Subj: Fee Proposal

Dear Mr. Young:

This proposal is for architectural/engineering services for the recoating and repairs of existing roofs at the Surprise Elementary School in the Dysart Unified School District.

Description of Work:

1. Approximate roof area that requires remedial work.
 - a. Surprise Elementary School: 71,000 sf
2. Each roof area will be recoated with an energy star roof coating system. Addition work will consist of repairing flashing, re-caulking, general inspection of roof conditions, etc., as required.

A/E Services:

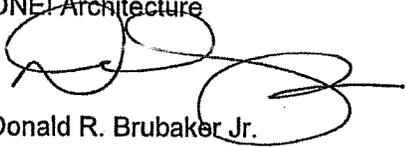
1. Construction documents that describe the roof areas requiring remedial work.
2. Roof details.
3. Roof Specifications.
4. Construction Cost Estimate.
5. Structural Engineer's review of the existing roof structure and certification that the existing structure is capable of supporting the new roofing scope of work.

A/E Fee: \$4,550.00

We are prepared to begin work immediately upon approval.

Sincerely,

ONE! Architecture



Donald R. Brubaker Jr.

Principal Architect