

**STATE OF ARIZONA  
SCHOOL FACILITIES BOARD**

**\* SCHOOL FACILITIES BOARD \***

**NOTICE OF PUBLIC MEETING**

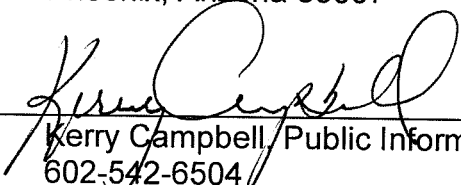
Pursuant to Arizona Revised Statutes Annotated (A.R.S.) §38-431.02, notice is hereby given to the members of the School Facilities Board and to the general public that the Board will hold a meeting open to the public at the date, time and place set forth below. The Board will consider the items listed 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 5th day of December, 2014.

December 10, 2014  
10:00am MST  
Arizona State Capitol Building  
1700 W. Washington St.  
Executive Tower  
3rd Floor Meeting Room  
Phoenix, Arizona 85007

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**  
**December 10, 2014**  
**10:00AM**

Arizona State Capitol Building  
1700 W. Washington St.  
Executive Tower  
3rd Floor Meeting Room  
Phoenix, Arizona 85007

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 of November 12, 2014
- IV. New Construction Requests
  - a. Consideration and possible vote to accept, reject or modify the FY 2015 Capital Plan New Construction Requests

◆ Benson Unified
◆ Colorado City Unified
◆ Gadsden Elementary
◆ Pima Unified
◆ Somerton Elementary
◆ Yuma Elementary
◆ Yuma Union

- 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
◆ Paloma Elementary
◆ Toltec Elementary

- |                                  |
|----------------------------------|
| ♦ Tucson Unified                 |
| ♦ Wilson Elementary (2 requests) |

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

Supplemental Awards

- |                                  |
|----------------------------------|
| ♦ Gila Bend Unified (2 requests) |
| ♦ Superior Unified               |

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

Construction Awards

- |  |
|--|
| ♦ Beaver Creek Elementary (2 requests) |
| ♦ Bonita Elementary                    |
| ♦ Canon Elementary                     |
| ♦ Humboldt Unified                     |
| ♦ Snowflake Unified (2 requests)       |
| ♦ Tolleson Elementary                  |
| ♦ Tucson Unified (2 requests)          |
| ♦ Young Elementary                     |

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

Design Awards

- |                    |
|--------------------|
| ♦ Balsz Elementary |
|--------------------|

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

Design Awards

- |                                     |
|-------------------------------------|
| ♦ Canon Elementary                  |
| ♦ Holbrook Unified                  |
| ♦ Littlefield Unified               |
| ♦ Mohave Valley Elementary          |
| ♦ Round Valley Unified (2 requests) |
| ♦ Safford Unified (2 requests)      |

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

Denial

- |                      |
|----------------------|
| ♦ Blue Ridge Unified |
| ♦ Young Elementary   |

VI. Emergency Deficiencies Correction Requests

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

- |                        |
|------------------------|
| ♦ Colorado River Union |
|------------------------|

VII. Director's Report

- a. Notice of Claim Jeffrey A. Bade

VIII. Future Agenda Items

IX. 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.

X. Adjournment

SCHOOL FACILITIES BOARD  
November 12, 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 10:04 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	Bob Polcar, Polcar Architects
Traci Sawyer-Sinkbeil	Shad Housley, Pomerene ESD
Dr. Jeff Smith	Caroline Brackley, The Professional Group
Vern Crow	Allison Suriano, FMG
Ward Simpson	Carlos Monreal, Scottsdale USD
Bryan Peltzer	Cary Ballou, FMG
	Anna Carreon, Mary C. O'Brien Acc.
<u>Members Absent</u>	Jesse Salazar, Pinal County Schools
Edward Boot	Dan Scheller, Flowing Wells USD
Stacey Morley (non-voting)	Tommie Yazzie, Red Mesa USD
	Bob Pian, SPS+ Architects
<u>Staff Present</u>	Rick Michalek, Mesa USD
Dean Gray, Executive Director	Todd Poer, Mesa USD
Phil Williams, Deputy Director	Michael Williams, OSPB
Kerry Campbell, Public Information Officer	Matthew Shields, Isacc ESD
Debra Sterling, Attorney General's Office	Carlos Nunez, Isaac ESD
Pat Cruse, School Facilities Liaison	
Dan Demland, School Facilities Liaison	

- I. Call to Order  
Chairman Jennifer Stielow called the meeting to order at approximately 10:04 A.M.
- II. Roll Call  
There were eight (8) voting Board Members present.
- III. Consideration and possible vote to accept, reject or modify the Minutes and Executive Session Minutes of October 1, 2014  
Vern Crow made a motion for Board approval of the Minutes and Executive Session Minutes of October 1, 2014. Ward Simpson seconded. The motion passed with a voice vote of 8-0.
- IV. Director's Report  
CEFPI honors Thomas A. Rushin with Lifetime Achievement Award and announces new 2014-2015 Arizona Chapter Officers  
Dean Gray provided a brief explanation of the recognition Tom Rushin and Dan Demland, SFB Architect, received. The Board honored its distinguished member.
- 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

\$7,492,728. 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 \$30,000 for professional evaluation)

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

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

1. Board ratification that **Chino Valley Unified** be awarded \$5,800 in Building Renewal Grant funding for an engineering study to replace the fire alarm system at Chino Valley High School (project number 130251203-9999-007BRG).
2. Board ratification that **Kingman Unified** be awarded \$13,800 in Building Renewal Grant funding for design services to replace the existing hot water heating system at Kingman High School – North (project number 080220202-1001-007BRG).

Tom Rushin seconded. The motion passed with a voice vote of 8-0.

- b. 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.

The Board voted on the Tolleson Elementary request separately from the other requests.

Traci Sawyer-Sinkbeil recused herself from the Board at this time.

Ward Simpson made a motion for Board approval of the following staff recommendation:

Board ratification that **Tolleson Elementary** be awarded \$5,401 in Building Renewal Grant funding to repair the underground fire line to Building 1018 at Porfirio H. Gonzales Elementary School (project number 070417001-1018-010BRG). This includes \$500 in contingency that will only be used with SFB staff approval.

Vern Crow seconded. The motion passed with a voice vote of 7-0.

Traci Sawyer-Sinkbeil rejoined the Board at this time.

The Board discussed various aspects of the projects.

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

1. Board ratification that **Bicentennial Union** be awarded \$24,533 in Building Renewal Grant funding to replace/repair three HVAC units in the classroom, cafeteria and gym addition Buildings 1003, 1005 and 1006 at Salome High School (project number 150576201-9999-005BRG). This includes \$2,000 for a structural analysis and \$1,500 in contingency that will only be used with SFB staff approval.
2. Board ratification that **Bullhead City Elementary** be awarded \$6,500 in Building Renewal Grant funding to repair the intercom system at Fox Creek Junior High School (project number 080415110-9999-013BRG). This includes \$905 in contingency that will only be used with SFB staff approval.
3. Board ratification that **Casa Grande Union** be awarded \$28,753 in Building Renewal Grant funding to replace the power module on the chiller that services Vista Grande High School (project number 110502004-9999-009BRG). This includes \$5,000 in contingency that will only be used with SFB staff approval.
4. Board ratification that **Cave Creek Unified** be awarded \$14,747 in Building Renewal Grant funding to replace the 10-ton gas pack HVAC unit serving the classroom/administration Building 1001 at Black Mountain Elementary School (project number 070293NST-9999-005BRG). This includes \$2,000 for a structural analysis and \$1,000 in contingency that will only be used with SFB staff approval.
5. Board ratification that **Colorado River Union** be awarded \$10,194 in Building Renewal Grant funding to replace the water heater in the gymnasium Building 1009 at Mohave High School (project number 080502001-1009-016BRG). This includes \$500 in contingency that will only be used with SFB staff approval.
6. Board ratification that **Cottonwood-Oak Creek Elementary** be awarded \$4,716 in Building Renewal Grant funding to replace the 4-ton package HVAC unit serving Classroom 102 in Building 1001 at the Traditional Learning Center (project number 13040601S-1001-003BRG). This includes \$500 in contingency that will only be used with SFB staff approval.
7. Board ratification that **Elfrida Elementary** be awarded \$4,500 in Building Renewal Grant funding for the replacement of the HVAC condenser unit on the science lab in Building 1002 at Elfrida Elementary School (project number 020412101-1002-003BRG). This includes \$935 in contingency that will only be used with SFB staff approval.
8. Board ratification that **Kingman Unified** be awarded \$5,532 in Building Renewal Grant funding to repair the failed pre-conditioning coil on the air handler unit in Building 1001 at Kingman High School – North (project number 80220202-1001-008BRG).

9. Board ratification that **Kirkland Elementary** be awarded \$3,600 in Building Renewal Grant funding to replace the collapsed clay sewer line from the septic tank to the Main Building 1001 at Kirkland Elementary School (project number 130323001-1001-005BRG). This includes \$500 in contingency that will only be used with SFB staff approval.
10. Board ratification that **Lake Havasu Unified** be awarded \$6,885 in Building Renewal Grant funding to replace the 4-ton package unit serving Classroom 117 in Building 1001 at Havasupai Elementary School (project number 080201103-1001-009BRG). This includes \$750 for a structural analysis and \$750 in contingency that will only be used with SFB staff approval.
11. Board ratification that **Lake Havasu Unified** be awarded \$9,000 in Building Renewal Grant funding to replace HVAC unit #10, which has failed numerous times in the classroom/administration Building 1001 at Havasupai Elementary School (project number 080201103-1001-010BRG). This includes \$1,000 for a structural analysis and \$1,500 in contingency that will only be used with SFB staff approval.
12. Board ratification that **Mayer Unified** be awarded \$2,613 in Building Renewal Grant funding to replace the leaking fire pump control valve at Mayer Elementary School (project number 130243101-9999-005BRG). This includes \$500 in contingency that will only be used with SFB staff approval.
13. Board ratification that **Mayer Unified** be awarded \$500 in Building Renewal Grant funding to replace the leaking fire suppression control valve and repair the fire sprinklers at Mayer High School (project number 130243002-9999-006BRG). This includes \$144 in contingency that will only be used with SFB staff approval.
14. Board ratification that **Pomerene Elementary** be awarded \$5,000 in Building Renewal Grant funding for the repair of the walk-in freezer in the kitchen Building 1005 at Pomerene Elementary School (project number 020464101-1005-004BRG). This includes \$1,000 in contingency that will only be used with SFB staff approval.
15. Board ratification that **Scottsdale Unified** be awarded \$6,498 in Building Renewal Grant funding to replace two variable frequency drives at Hohokam Elementary School (project number 070248114-9999-026BRG). This includes \$500 in contingency that will only be used with SFB staff approval.

Tom Rushin seconded. The motion passed with a voice vote of 8-0.

Tom Rushin recused himself from the Board at this time.

- c. 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 Yuma Elementary's request as presented in the Board packet.

Ward Simpson made a motion for Board approval of the following staff recommendation:

Board ratification that **Yuma Elementary** be awarded \$1,002 in Building Renewal Grant funding to replace the HVAC compressor serving Room C Building 1006 at George Washington Carver Elementary School (project number 140401102-1006-020BRG). This includes \$200 in contingency that will only be used with SFB staff approval.

Dru Barisich seconded. The motion passed with a voice vote of 7-0.

Tom Rushin rejoined the Board at this time.

- d. 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) (supplemental award)

Dean Gray provided a brief explanation of Bullhead City Elementary's request as presented in the Board packet. The Board discussed various aspects of the project.

Ward Simpson made a motion for Board approval of the following staff recommendation:

Board ratification that **Bullhead City Elementary** be awarded an additional \$1,827 in Building Renewal Grant funding for additional devices to the fire alarm system at Desert Valley Elementary School (project number 080415105-1001-012BRG). This includes \$1,500 in contingency that may only be used with SFB staff approval and brings the total project cost to \$3,827.

Dr. Jeff Smith seconded. The motion passed with a voice vote of 8-0.

Vern Crow recused himself from the Board at this time.

- e. 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) (supplemental award)

Dean Gray provided a brief explanation of Pomerene Elementary'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 of the September 19, 2014 Executive Director approval in the amount of \$5,005, and Board approval of the staff recommendation that **Pomerene Elementary** be awarded an additional \$1,157,000 in Building Renewal Grant funding for professional services and construction costs for the required HVAC corrections and replacement of

the existing stucco system at Pomerene Elementary School (project number 020464101-9999-002BRG). This includes \$192,609 in contingency that may only be used with SFB staff approval and brings the total project cost to \$1,213,792.

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

Vern Crow rejoined the Board at this time.

f. 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 made a motion for Board approval of the following staff recommendations:

1. Board approval of the staff recommendation that **Globe Unified** be awarded an additional \$305,000 in Building Renewal Grant funding for design, engineering, construction administration and estimated construction cost to replace the existing water cooled chiller system at Globe High School (project number 040201004-9999-003BRG).
2. Board approval of the staff recommendation that **Hyder Elementary** be awarded an additional \$132,000 in Building Renewal Grant funding for the roof repairs on Buildings 1001, 1013 and 1014 at Dateland Elementary School (project number 140416101-9999-001BRG). This includes \$12,000 in contingency that will only be used with SFB staff approval and brings the total project cost to \$150,210.
3. Board approval of the staff recommendation that **Mesa Unified** be awarded an additional \$105,000 in Building Renewal Grant funding for the replacement of an air cooled chiller at Taft Elementary School (project number 070204118-1003-003BRG). This includes \$10,000 in contingency that will only be used with SFB staff approval and brings the total project cost to \$134,350. The district is contributing \$20,000 to the cost of the project.
4. Board approval of the staff recommendation that **Pomerene Elementary** be awarded an additional \$5,185 in Building Renewal Grant funding for the added professional services for the investigation of the crack in the brick wall of Building 1003 at Pomerene Elementary School (project number 020464101-1003-003BRG). This brings the total project cost to date to \$6,535.
5. Board approval of the staff recommendation that **Red Mesa Unified** be awarded an additional \$100,000 in Building Renewal Grant funding for the engineering and construction costs for the installation of a fire pump and connection to the existing 200,000 gallon water storage tank at Red Mesa High School (project number 010227204-9999-002BRG). This includes \$10,000 in contingency that will only be used with SFB staff approval and brings the total project cost to \$109,368.

6. Board approval of the staff recommendation that **Willcox Unified** be awarded an additional \$16,500 in Building Renewal Grant funding to recoat the roof on Building 1001 office/classroom at Willcox Elementary School (project number 020213101-1001-006BRG).
7. Board approval of the staff recommendation that **Willcox Unified** be awarded an additional \$91,000 in Building Renewal Grant funding to reroof the east classroom Building 1005, band room Building 1007, and library Building 1013 at Willcox High School (project number 020213201-9999-007BRG).
8. Board approval of the staff recommendation that **Willcox Unified** be awarded an additional \$42,000 in Building Renewal Grant funding to reroof Building 1002 classrooms and Building 1004 gymnasium at Willcox Middle School (project number 020213102-9999-008BRG).

Ward Simpson seconded. The motion passed with a voice vote of 7-1. Jennifer Stielow voted against the motion.

g. 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. The Board discussed various aspects of the projects.

Dr. Jeff Smith made a motion for Board approval of the following staff recommendations:

1. Board approval of the staff recommendation that **Bullhead City Elementary** be awarded \$10,000 in Building Renewal Grant funding to replace the exhaust hood in the kitchen in Building 1005 at Desert Valley Elementary School. This includes \$2,903 in contingency that will only be used with SFB staff approval.
2. Board approval of the staff recommendation that **Camp Verde Unified** be awarded \$835,000 in Building Renewal Grant funding to replace the built-up roofing system at Camp Verde High School. This includes \$5,000 for a structural analysis and \$50,117 in contingency that will only be used with SFB staff approval.
3. Board approval of the staff recommendation that **Clarkdale-Jerome Elementary** be awarded \$103,000 in Building Renewal Grant funding to replace the roofs on classroom Buildings 1001, 1005 and 1007 at Clarkdale-Jerome Elementary School. This includes \$2,000 for a structural analysis and \$4,966 in contingency that will only be used with SFB staff approval.
4. Board approval of the staff recommendation that **Colorado River Union** be awarded \$11,500 in Building Renewal Grant funding to replace the exhaust hood in the cafeteria Building 1008 at Mohave High School. This includes \$2,630 in contingency that will only be used with SFB staff approval.

5. Board approval of the staff recommendation that **Cottonwood-Oak Creek Elementary** be awarded \$60,000 in Building Renewal Grant funding to reroof the gymnasium/cafeteria Building 1006 at Oak Creek Elementary School. This includes \$1,500 for a structural analysis, \$3,500 for asbestos testing and \$6,598 in contingency that will only be used with SFB staff approval.
6. Board approval of the staff recommendation that **Cottonwood-Oak Creek Elementary** be awarded \$35,000 in Building Renewal Grant funding to replace the roof on Classroom Building 1009 at Oak Creek Elementary School. This includes \$1,500 for structural analysis and \$5,308 in contingency that will only be used with SFB staff approval.
7. Board approval of the staff recommendation that **Kingman Unified** be awarded \$275,000 in Building Renewal Grant funding to upgrade the failed EMS climate controls serving the HVAC units in classrooms at Kingman High School - North.
8. Board approval of the staff recommendation that **Kingman Unified** be awarded \$63,500 in Building Renewal Grant funding to replace/repair five HVAC gas pack units serving the kitchen/gymnasium Building 1004 at Manzanita Elementary School. This includes \$5,000 in contingency that will only be used with SFB staff approval.

Traci Sawyer-Sinkbeil seconded. The motion passed with a voice vote of 8-0.

h. 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. The Board discussed various aspects of the projects.

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

1. Board approval of the staff recommendation that **Cottonwood-Oak Creek Elementary** be awarded \$2,000 in Building Renewal Grant funding for an engineering structural roof analysis of classroom Building 1003 at Oak Creek Elementary School. This includes \$600 in contingency that will only be used with SFB staff approval.
2. Board approval of the staff recommendation that **Flowing Wells Unified** be awarded \$6,000 in Building Renewal Grant funding to provide investigative architectural services to repair the damaged block walls and reseal the exterior of all buildings at Flowing Wells Junior High School. The district has committed \$6,000 to the cost of the project.
3. Board approval of the staff recommendation that **Flowing Wells Unified** be awarded \$10,310 in Building Renewal Grant funding to provide investigative architectural services to repair the roof and replace

mechanical components on Building 1009 at Flowing Wells Junior High School. The district has committed \$10,000 to the cost of the project.

4. Board approval of the staff recommendation that **Glendale Union** be awarded \$9,900 in Building Renewal Grant funding for engineering fees for the grading and drainage correction for Building 1030 at Glendale High School.
5. Board approval of the staff recommendation that **Holbrook Unified** be awarded \$24,190 in Building Renewal Grant funding to provide engineering services to replace 10 HVAC units and repair 14 relief hoods on Buildings 1007 and 1008 at Hulet Elementary School.
6. Board approval of the staff recommendation that **Kirkland Elementary** be awarded \$5,970 in Building Renewal Grant funding to investigate the repair the existing domestic water system.

Vern Crow seconded. The motion passed with a voice vote of 8-0.

Tom Rushin recused himself from the Board at this time.

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

Dean Gray provided a brief explanation of Yuma Elementary's 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 **Yuma Elementary** be awarded \$8,538 in Building Renewal Grant funding for professional services to replace a HVAC unit on Building 1012 at Gila Vista Junior High School.
2. Board approval of the staff recommendation that **Yuma Elementary** be awarded \$8,038 in Building Renewal Grant funding for professional services to replace a HVAC unit on Building 1001 at Mary A. Otondo Elementary School.
3. Board approval of the staff recommendation that **Yuma Elementary** be awarded \$7,348 in Building Renewal Grant funding for professional services to replace a HVAC unit on Building 1001 at Palmcroft Elementary School.
4. Board approval of the staff recommendation that **Yuma Elementary** be awarded \$7,348 in Building Renewal Grant funding for professional services to replace a HVAC unit on Building 1011 at R. Pete Woodard Elementary School.
5. Board approval of the staff recommendation that **Yuma Elementary** be awarded \$7,348 in Building Renewal Grant funding for professional

services to replace two HVAC units on Building 1002 at Alice Byrne Elementary School.

Ward Simpson seconded. The motion passed with a voice vote of 7-0.

Tom Rushin rejoined the Board at this time.

VI. Emergency Deficiencies Correction Requests

a. Consideration and possible vote to accept, reject or modify Emergency Deficiencies Correction Requests (supplemental award)

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 \$584,289. Staff continues working to close projects and make recognized savings and unspent monies available for new projects.

Dean Gray provided a brief explanation of Mary C. O'Brien Accommodation's request as presented in the Board packet.

Traci Sawyer-Sinkbeil made a motion to discuss this agenda item in public. Tom Rushin seconded. The motion passed with a voice vote of 8-0.

The Board discussed various aspects of the project.

Ward Simpson made a motion for Board approval of the following staff recommendation:

Board approval of the staff recommendation that **Mary C. O'Brien Accommodation** be awarded an additional \$68,500 in Emergency Deficiencies Correction funding for the completion of the design and construction of the structural roof repairs on classroom Building 1004 on the VOICE campus (project number 110100003-1004-001EP). This includes \$6,300 in contingency that will only be used with SFB staff approval. This brings the total project cost to \$72,450.

Traci Sawyer-Sinkbeil seconded. The motion passed with a voice vote of 7-1. Jennifer Stielow voted against the motion.

VII. Future Agenda Items

No requests for future agenda items were received.

VIII. Public Comment

Shad Housley, Superintendent of Pomerene Elementary, thanked the Board for consideration of the district's requests.

IX. Adjournment

There being no further business, Jennifer Stielow adjourned the meeting at approximately 11:27 A.M.

Approved by the School Facilities Board on \_\_\_\_\_, 2014

\_\_\_\_\_  
Chair

**STATE OF ARIZONA  
SCHOOL FACILITIES BOARD**

**Meeting Date: December 10, 2014**

**Agenda Item IV.a.**

**Subject: IV. New School Construction**

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

**Benson Unified  
Colorado City Unified  
Gadsden Elementary  
Pima Unified  
Somerton Elementary  
Yuma Elementary  
Yuma Union**

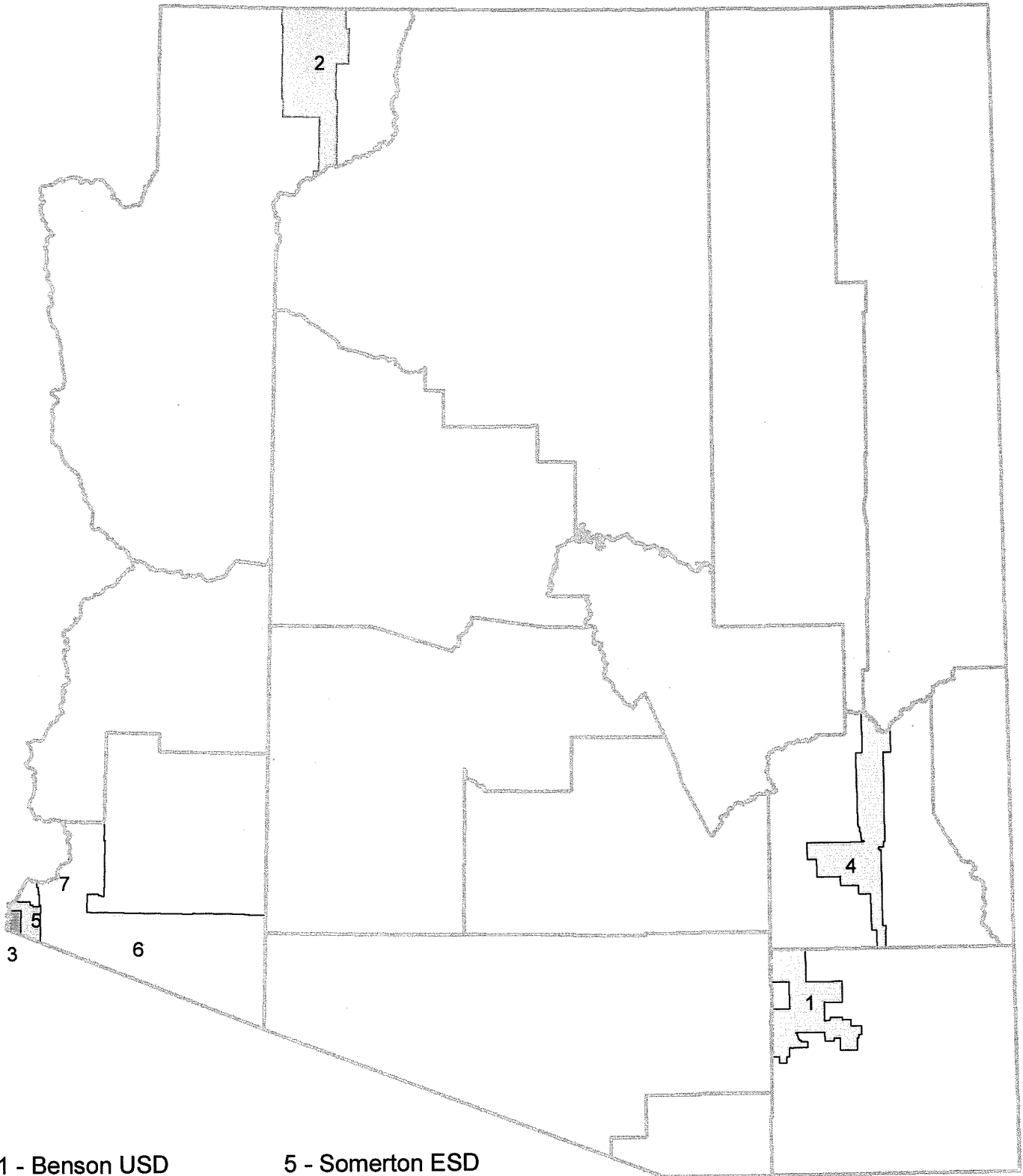
**Board Action Requested: [ ] information [X] action / described below**

Board approval of staff recommendations as listed below.

- 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. Yuma Elementary (K-5): Deny** conceptual approval for a new school for 800 students to be approved in FY 20.
- 7. Yuma Union (9-12): Conceptually approve** a 9-12 school for 1,800 students to be approved in FY 22.

**Attachments: Yes [ X ]    No [ ]**

**School Districts from Cochise, Graham, Mohave, and Yuma Counties  
December 10, 2014 Board Meeting**



1 - Benson USD  
2 - Colorado City USD  
3 - Gadsden ESD  
4 - Pima USD

5 - Somerton ESD  
6 - Yuma ESD  
7 - Yuma HUSD



## School Districts in Cochise, Graham, Mohave and Yuma Counties

Capital plans considered on this agenda are from seven school districts in Cochise, Graham, Mohave and Yuma Counties. These counties vary widely in their populations. In the following table, the county and state population information is presented.

Table 1: Population growth in four counties 2010-2013

County	Census 2010	July 1, 2010	July 1, 2011	July 1, 2012	July 1, 2013	Annualized Growth Rate*
Cochise	131,346	131,436	130,537	130,752	130,906	-0.13%
Graham	37,220	37,299	37,710	37,314	37,872	0.51%
Mohave	200,186	200,099	200,417	203,072	203,592	0.58%
Yuma	195,751	196,160	200,431	205,174	209,323	2.19%
Arizona	6,392,017	6,401,569	6,438,178	6,498,569	6,581,054	0.93%

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

\*Annualized growth rate from July 1, 2010 to July 1, 2013.

Cochise County is at the southeast corner of the state, directly east of Pima and Santa Cruz Counties. Major population centers are Sierra Vista, Douglas, Bisbee and Benson. In the summer of 2014, a major developer, El Dorado Holdings, Inc., purchased a large parcel in the City of Benson and is planning to have 24,000 - 26,000 housing units built during next 12-15 years. This will bring population and enrollment growth in the area, changing the growth outlook of the County. There are nine unified school districts, ten elementary school districts, and one union high school district in Cochise County. Of these, only Benson Unified District submitted a capital plan request this year.

Graham County, located in the southeastern part of the state, is one of the least populous counties in the state with an estimated population of 37,872 in 2013 (*Arizona State Demographer's Office*). There are four unified school districts and two elementary school districts in Graham County. Pima Unified District is on the current agenda for capital plan review.

Mohave County covers the northern half of western Arizona. This region borders California, Nevada and Utah. Between the two decennial censuses of 2000 and 2010, the population in the County experienced an annualized growth rate of 2.59%, moving the County ahead of Yuma County to 5<sup>th</sup> place in the state. However, it is now back to 6<sup>th</sup> place according to the July 1, 2013 population estimates published by *Arizona State Demographer's Office*. Currently, there are seven elementary school districts, five unified school districts and one union high school district in the County. Colorado City Unified District is the only district from the County on the current agenda for new construction.

Yuma County is located at the southwest corner of the state. Although its population grew substantially during 2000-2010, with an annualized growth rate of 2.04% (which is below the state level of 2.22%), the County was moved down to the sixth most populous

county from the previous fifth place (*U.S. Census Bureau 2000 & 2010*). However, during 2010-2013, the County's population grew at a much faster pace than the state average, and is now back to the fifth most populous county (*Arizona State Demographer's Office*). There are seven elementary school districts and two union high school districts. Four school districts from this area submitted capital plan requests this year for new construction: Gadsden Elementary, Somerton Elementary, Yuma Elementary and Yuma Union Districts.

ADM growth for the seven districts, four counties and the State is presented in the following table:

Table 2: ADM growth in seven districts, four counties and Arizona FY 2005-2015\*

<b>Fiscal Year</b>	<b>7-District 100-day ADM</b>	<b>7-District ADM Growth Rate</b>	<b>4-County 100-day ADM</b>	<b>4-County ADM Growth Rate</b>	<b>Arizona 100-day ADM</b>	<b>Arizona ADM Growth Rate</b>
2005	27,922		77,888		869,738	
2006	28,772	3.0%	79,363	1.9%	896,174	3.0%
2007	29,322	1.9%	81,043	2.1%	916,418	2.3%
2008	29,680	1.2%	80,743	-0.4%	927,847	1.2%
2009	29,847	0.6%	80,231	-0.6%	922,150	-0.6%
2010	29,815	-0.1%	79,077	-1.4%	913,808	-0.9%
2011	29,632	-0.6%	78,083	-1.3%	898,031	-1.7%
2012	29,191	-1.5%	76,840	-1.6%	892,268	-0.6%
2013	28,948	-0.8%	75,940	-1.2%	888,298	-0.4%
2014	29,013	0.2%	73,163	-3.7%	856,732	-3.6%
Annual Growth Rate 2005-14		0.4%		-0.7%		-0.2%
2015 Projection	29,132	0.4%				

Source: Arizona Department of Education LEA information website:

<http://www.ade.az.gov/schoolfinance/forms/LEAQuery/InformationRequest.aspx>

\* Seven school districts: Benson Unified, Colorado City Unified, Gadsden Elementary, Pima Unified, Somerton Elementary, Yuma Elementary and Yuma Union Districts.

\* Four counties: Cochise, Graham, Mohave and Yuma Counties.

After several years of gradual recovery following the housing bust and recession, developers are beginning to become more optimistic about the economy. Substantial housing units are planned to be built in the next 12-15 years in the Benson area. They are expected to bring consistent ADM growth in several school districts around the area, including but not limited to Benson Unified, St. David Unified and Pomerene Elementary Districts. Pima Unified, located in Graham County, is also expected to continue its growth trend in ADM due to the steady expansion in the nearby Morenci and Safford Mines. In Yuma County, more than 9,500 residential housing units were built during 2003-2007, resulting in a significant increase in Yuma Union's ADM even though many new housing units were for retirement communities. With the subsequent housing crash and slowing of the economy, the district's ADM growth rate has been negative since FY 11 due to declines in total enrollment of its feeder school districts including Somerton

Elementary, Gadsden Elementary and Yuma Elementary Districts that are on the current agenda. Somerton Elementary did not experience ADM growth from FY 09 to FY 13. Gadsden Elementary, a bedroom community for those working in the City of Yuma and City of San Luis, experienced less dramatic effects of the housing boom and bust. Yuma Elementary, on the other hand, has experienced declining ADM since FY 2008. With the economy gradually recovering, major housing developments are likely to be built within next few years. Together with on-going military projects in Yuma Proving Ground and Marine Corps Air Station, Yuma County's population will continue to grow. In Colorado City Unified, it appears that most families in the area have been home schooling their children. The district's ADM growth will depend on the number of families sending their children to district schools.

The charter sector affects the district ADM to varying degrees for the school districts on this agenda. In Benson Unified District, a charter school closed its operation this year. The only charter school (K-6) in Pima Unified District has decided to permanently remove its 6<sup>th</sup> grade due to insufficient enrollment. In Yuma County, however, the competition from charter schools remains strong. According to a charter enrollment report by ADE, in Yuma Elementary District, over 1,500 students at the K-8 level are enrolled in four charter schools. In Gadsden Elementary District, a charter school has added approximately 120 students each year for both FY 2014 and FY 2015.

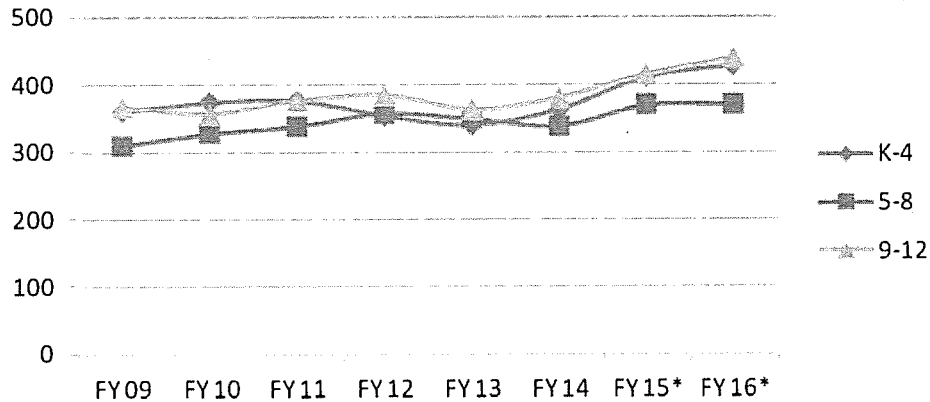
## Benson Unified School District

### District Overview

Benson Unified School District is located in the northwest corner of Cochise County, along Interstate 10. The District currently has one elementary school (K-4), one middle school (5-8), and one high school serving nearly 1,200 ADM.

### District ADM History

Over the past five years, the District's ADM grew at an annual rate of 0.9%, a result of moderate growth in most years, punctured by a drop of -4.0% in FY 13.



\*FY 15 and FY 16: ADM projections

### District Outlook

Benson Unified is poised to undergo an ADM increase in all grade configurations this year (12.6% at the K-4 level and 9.1% at both the 5-8 and 9-12 levels). Considered a bedroom community between Tucson and Sierra Vista, its central location draws growing numbers of border patrol agents, military personnel, and their families. The higher birth numbers from 2007 to 2012 in the area will continue to translate into more growth at the elementary level, and later at the middle school and high school levels. A major developer, El Dorado Holdings, Inc., purchased a large parcel of land this summer which is outside the Benson District boundary, but approximately five miles from Benson District schools. The developer is planning to develop and deliver 24,000-26,000 housing units during the next 12-15 years. Currently, the development is at a very early stage and the first homes are expected to be on the market in 2.5 - 3 years. Also, several hundred houses are planned to be built within the next two years in the "Canyon" area which is an 8-10 minute drive from Benson District schools. SFB staff projects that the whole district will grow at a moderate pace during the next two years before the growth surges to over 10.0% per year for the remainder of the analysis timeframe.

New Home Occupancies (1)  
Benson Unified District



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

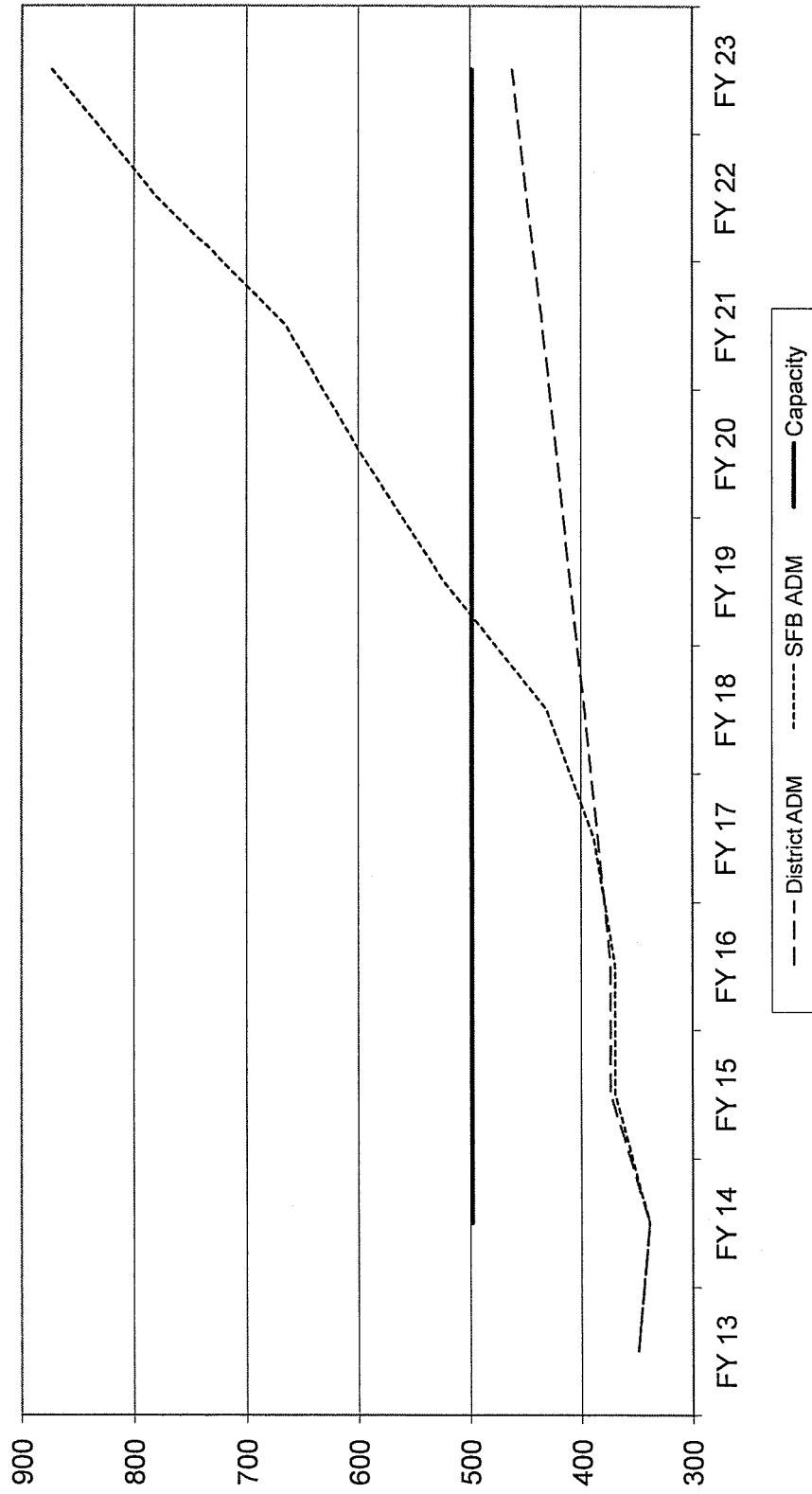
FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
18	21	32	300	500	600	600	1,000	1,071	4,071

Fiscal Year	Current Trend (Solid Line)	Previous Trend (Dashed Line)	Projected Trend (Dotted Line)
FY 13	350	350	350
FY 14	380	380	400
FY 15	400	380	450
FY 16	410	450	500
FY 17	415	550	550
FY 18	418	500	600
FY 19	420	450	650
FY 20	420	400	700
FY 21	420	380	750
FY 22	420	360	800
FY 23	420	400	850

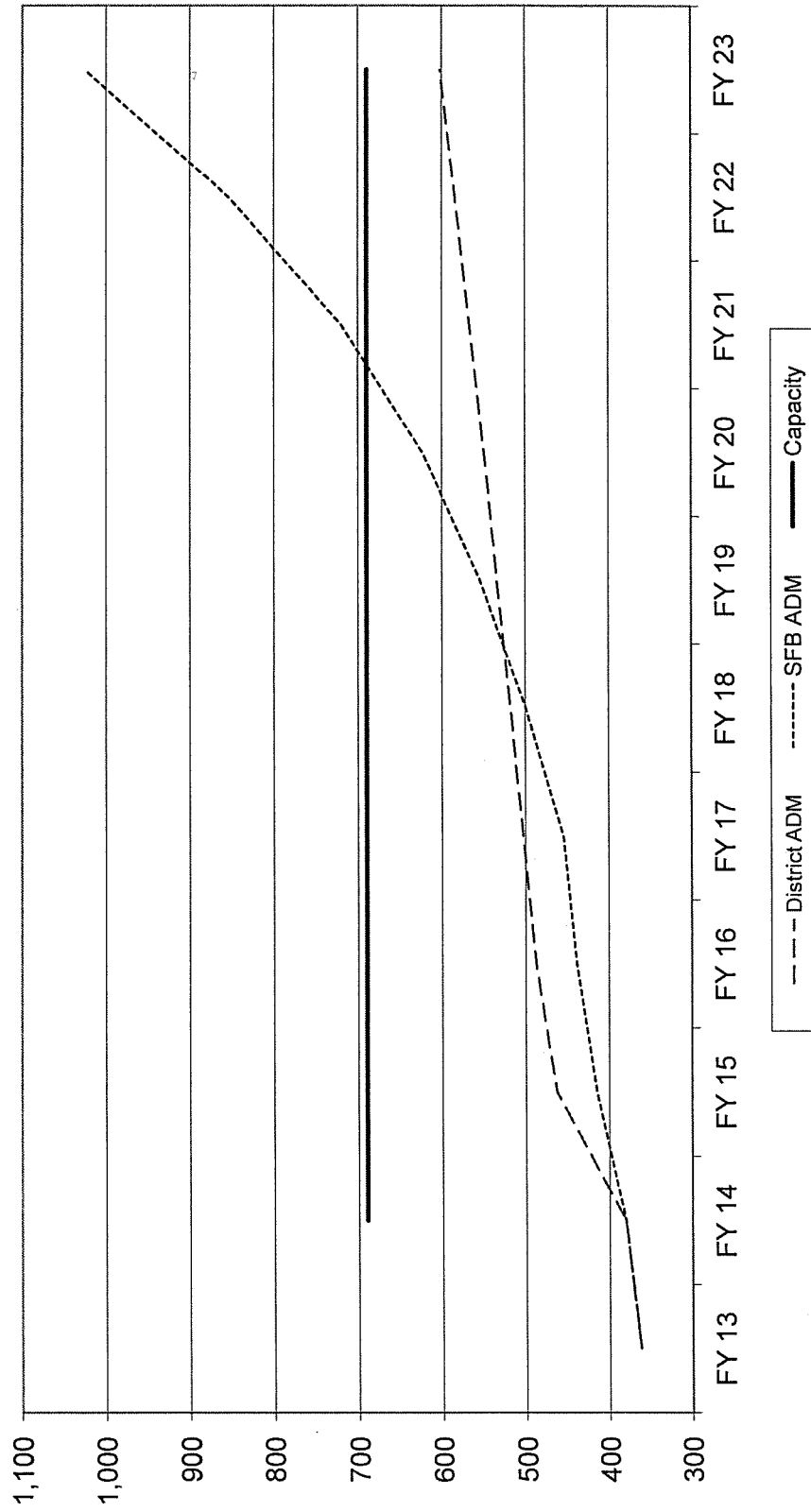
--- District ADM      ----- SFB ADM      Capacity

[illegible]

5-8 Graph  
Benson Unified District

[illegible]

9-12 Graph  
Benson Unified District

[illegible]



# 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 Benson Unified District CTD – 020209 (K-4)

### 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-4 for 427 students (001N)						

**Staff Notes Regarding District's Request:** The district was originally approved for a school for 48 students to open in FY 14. This project was cancelled last year due to a decline in ADM and legislative changes which eliminated the two-year award window for elementary schools. The district does not have any land in inventory for future school sites.

### Staff Recommendation for December 10, 2014

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-4 for 191 students (001N) *						K-4 for 280 students (Conceptual)	

\* The actual capacity of a 191-student K-4 school would be 215 students. Funding cannot be awarded for this facility until sufficient funds are available in the New School Facilities Fund.

**Note: NO FUNDING IS COMMITTED TO CONCEPTUALLY-APPROVED PROJECTS. ALL CONCEPTUAL PROJECTS SUBJECT TO CHANGE.** Each of these projects will be reviewed again in the next Capital Plan cycle, and has the potential to be pushed back, eliminated, or modified.

<b>K-4</b>		FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)		387	387	387	387	387	387	387	387	387	387
<b>Total Student Capacity</b>		<b>387</b>	<b>387</b>	<b>387</b>	<b>387</b>	<b>387</b>	<b>387</b>	<b>387</b>	<b>387</b>	<b>387</b>	<b>387</b>

<b>District's ADM Projections</b>		<b>364</b>	<b>431</b>	<b>443</b>	<b>456</b>	<b>470</b>	<b>485</b>	<b>501</b>	<b>518</b>	<b>537</b>	<b>552</b>
ADM Growth Rate		6.9%	18.5%	2.8%	2.9%	3.1%	3.2%	3.3%	3.4%	3.7%	2.8%
Number of Students for which new space is required (2)			44	56	69	83	98	114	131	150	165

<b>SFB Recommended ADM Projections</b>		<b>364</b>	<b>409</b>	<b>422</b>	<b>428</b>	<b>469</b>	<b>509</b>	<b>578</b>	<b>652</b>	<b>765</b>	<b>882</b>
ADM Growth Rate		6.9%	12.6%	3.2%	1.3%	9.6%	8.6%	13.6%	12.8%	17.3%	15.3%
Number of Students for which new space is required (2)			22	35	41	82	122	191	265	378	495

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

**DECEMBER 10, 2014 STAFF RECOMMENDATION**

The staff recommendation is to approve:

Project Number / Description	Grade Config.	Design Capacity	SF per Student	Square Feet	Cost per SF	Approval Total	Actual Capacity
New school	K-4	191	90	17,190	\$136.66	\$2,349,185	215

*Conceptual Recommendation:*

Project Number / Description	Grade Config.	Design Capacity	SF per Student	Square Feet	Actual Capacity	Approval FY
New school	K-4	280	90	25,224	315	FY 21

ADM Projections  
Benson Unified District

11/21/2014

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 - 4	340	364	431	443	456	470	485	501	518	537	552
% change		6.9%	18.5%	2.8%	2.9%	3.1%	3.2%	3.3%	3.4%	3.7%	2.8%
5 - 8	349	339	374	374	385	397	410	422	435	449	462
% change		-2.9%	10.3%	0.0%	2.9%	3.1%	3.3%	2.9%	3.1%	3.2%	2.9%
9 - 12	362	381	463	488	503	518	534	549	567	584	602
% change		5.0%	21.7%	5.4%	3.1%	3.0%	3.1%	2.8%	3.3%	3.0%	3.1%
Total	1,052	1,083	1,268	1,305	1,344	1,385	1,429	1,472	1,520	1,570	1,616
% change		3.0%	17.1%	2.9%	3.0%	3.1%	3.2%	3.0%	3.3%	3.3%	2.9%

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 - 4	340	364	409	422	428	469	509	578	652	765	882
% change		6.9%	12.6%	3.2%	1.3%	9.6%	8.6%	13.6%	12.8%	17.3%	15.3%
5 - 8	349	339	370	370	389	431	524	598	665	780	873
% change		-2.9%	9.1%	0.0%	5.1%	11.0%	21.5%	14.1%	11.3%	17.2%	12.0%
9 - 12	362	381	415	439	455	500	554	623	721	854	1,026
% change		5.0%	9.1%	5.7%	3.6%	10.0%	10.9%	12.5%	15.6%	18.5%	20.1%
Total	1,052	1,083	1,194	1,231	1,271	1,400	1,587	1,799	2,039	2,399	2,781
% change		3.0%	10.2%	3.1%	3.2%	10.2%	13.4%	13.4%	13.3%	17.7%	15.9%

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 - FY12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 4	380	392	408	424	435	437	447	455	462		
% change		3.1%	4.1%	3.9%	2.7%	0.5%	2.1%	1.9%	1.5%	-100.0%	#DIV/0!
5 - 8	393	392	396	383	399	420	441	457	469		
% change		-0.1%	1.0%	-3.4%	4.2%	5.3%	5.0%	3.7%	2.5%	-100.0%	#DIV/0!
9 - 12	380	410	430	477	509	512	517	505	526		
% change		7.8%	4.8%	11.0%	6.7%	0.7%	0.9%	-2.3%	4.1%	-100.0%	#DIV/0!
Total	1,153	1,194	1,234	1,283	1,343	1,369	1,404	1,417	1,456	0	0
% change		3.6%	3.3%	4.0%	4.6%	2.0%	2.5%	0.9%	2.7%	-100.0%	#DIV/0!

ADM

'15 Capacity Benson Unified

ADM History  
Benson Unified District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
<b>K - 4</b>	361	374	376	354	340	364	
<b>% change</b>		3.7%	0.6%	-5.9%	-3.9%	6.9%	0.2%
<b>5 - 8</b>	310	328	339	358	349	339	
<b>% change</b>		5.7%	3.4%	5.5%	-2.3%	-2.9%	1.8%
<b>9 - 12</b>	367	356	376	384	362	381	
<b>% change</b>		-2.9%	5.6%	2.2%	-5.6%	5.0%	0.7%
<b>Total</b>	1,038	1,058	1,091	1,096	1,052	1,083	
<b>% change</b>		2.0%	3.1%	0.4%	-4.0%	3.0%	0.9%

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
Benson Primary School	32,871	0	32,871	0	32,871	85	387
High School 1025 non-replacement (K-4) (2)	2,639	2,639	0	NA	0	80	0
<b>Total K-4</b>	<b>35,510</b>	<b>2,639</b>	<b>32,871</b>	<b>0</b>	<b>32,871</b>		<b>387</b>
Benson Middle School	45,216	0	45,216	0	45,216	92.5	489
High School 1025 replacement portion	960	0	960	96	864	92.5	9
High School 1025 non-replacement (5-8) (2)	2,346	2,346	0	NA	0	82.0	0
<b>Total 5-8</b>	<b>48,522</b>	<b>2,346</b>	<b>46,176</b>	<b>96</b>	<b>46,080</b>		<b>498</b>
Benson High School 1001-1022	99,492	12,555	86,937	0	86,937	127	685
Benson High School 1023	1,681	1,681	0	NA	0	120	0
High School 1024 replacement portion	677	0	677	68	609	129.5	5
High School 1024 non-replacement	4,615	4,615	0	NA	0	120	0
High School 1025 non-replacement (9-12) (2)	2,346	2,346	0	NA	0	120	0
Benson High School 1026	1,350	1,350	0	NA	0	120	0
<b>Total 9-12</b>	<b>110,161</b>	<b>22,547</b>	<b>87,614</b>	<b>68</b>	<b>87,546</b>		<b>690</b>

(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) Pro-rated equally among grades K-12.

Local Funds Report  
Benson Unified District

11/21/2014

K-4 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Non-replacement portion of High School bldg 1025 (K-4)	2,639	2,639	2,639	2,639	2,639	2,639	2,639	2,639	2,639	2,639
Cumulative Total	2,639	2,639	2,639	2,639	2,639	2,639	2,639	2,639	2,639	2,639
ADM Projections	364	409	422	428	469	509	578	652	765	882
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	7,276	8,189	8,448	8,554	9,379	10,181	11,563	13,045	15,305	17,643
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

5-8 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Non-replacement portion of High School bldg 1025 (5-8)	2,346	2,346	2,346	2,346	2,346	2,346	2,346	2,346	2,346	2,346
Cumulative Total	2,346	2,346	2,346	2,346	2,346	2,346	2,346	2,346	2,346	2,346
ADM Projections	339	370	370	389	431	524	598	665	780	873
x Minimum adequacy factor	82	82	82	82	82	82	82	82	82	82
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	6,948	7,581	7,580	7,964	8,842	10,741	12,255	13,642	15,985	17,900
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

Local Funds Report  
Benson Unified District

11/21/2014

9-12 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
High School bldgs. 1023	1,681									
Non-replacement portion of High School bldg 1024	4,615									
Non-replacement portion of High School bldg 1025 (9-12)	2,346									
Cumulative Total	8,642	8,642	8,642	8,642	8,642	8,642	8,642	8,642	8,642	8,642
ADM Projections	381	415	439	455	500	554	623	721	854	1,026
x Minimum adequacy factor	120	120	120	120	120	120	120	120	120	120
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	11,416	12,450	13,163	13,639	14,999	16,627	18,703	21,625	25,627	30,775
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.

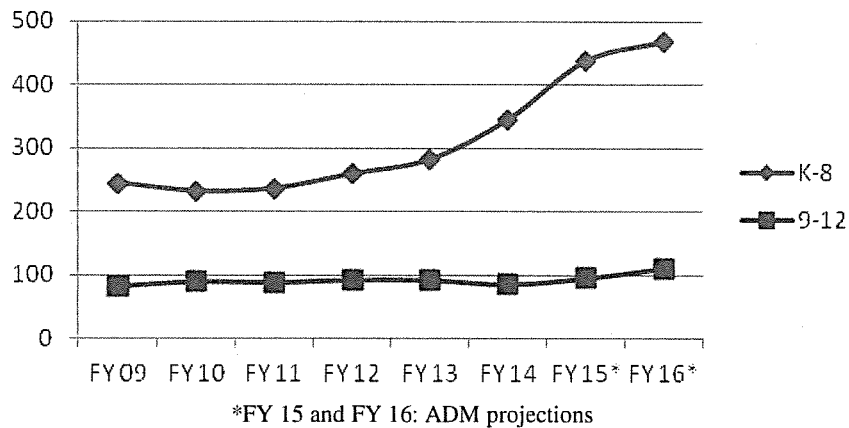
## Colorado City Unified School District

### District Overview

Colorado City Unified School District is located at the northeastern part of Mohave County. It covers approximately 835 square miles, bordering Utah on the north. The District currently operates one K-12 school which was funded by the SFB, and one elementary school which consists of two buildings purchased and renovated by the District last year to accommodate its growing population. The District currently serves approximately 535 K-12 ADM.

### District ADM History

Over the past five years, the District's ADM grew at an annualized rate of 5.6%. Most of the growth took place during FY 12 – FY 14 with growth rates reaching 15.1% in FY 14.

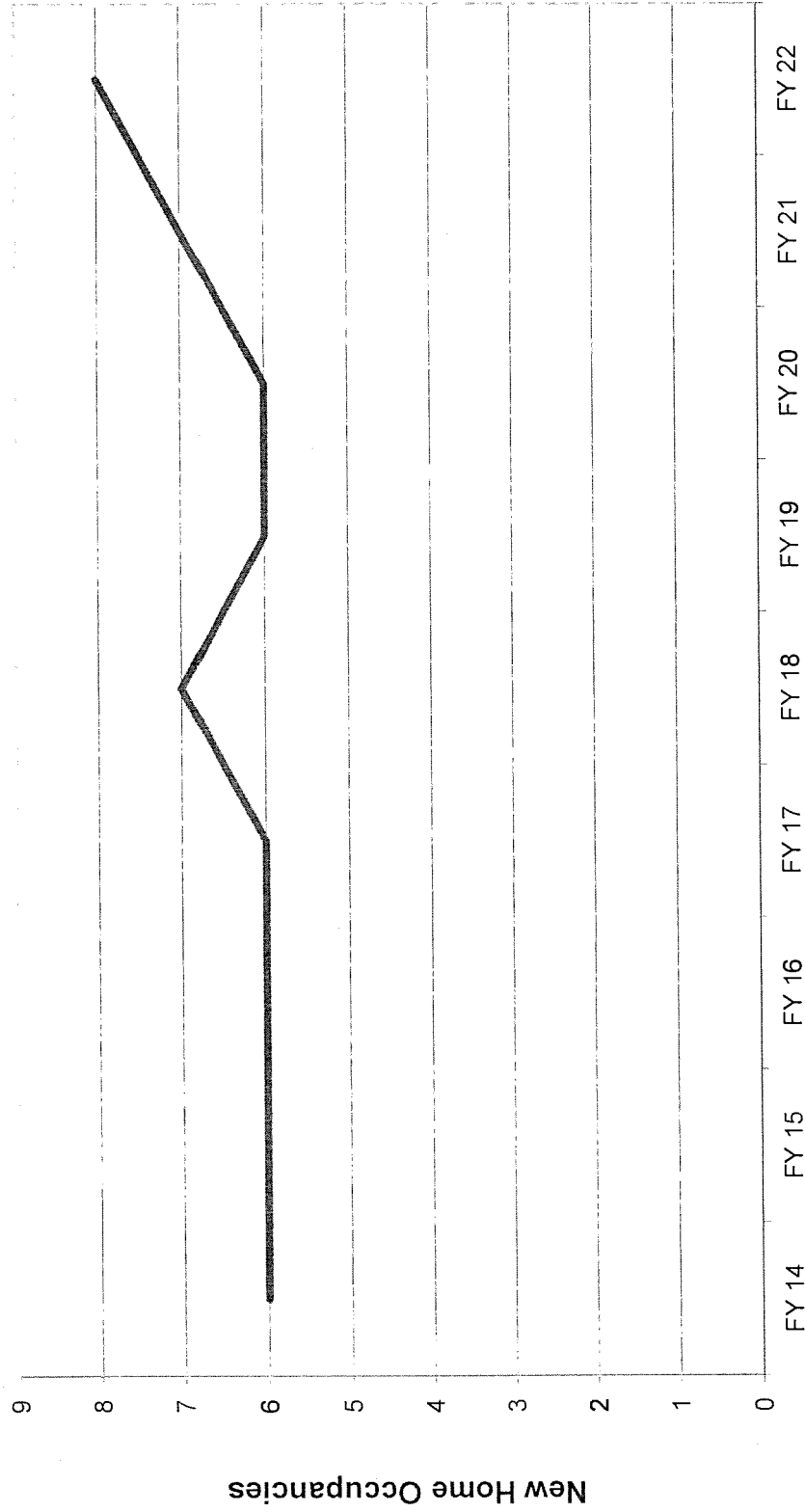


### District Outlook

This year the District's ADM is expected to grow by more than 100 students, registering another surge of nearly 24.0%. In the past few years, some of the previously homeschooled students have been coming back to the District's schools, and it appears that this trend will continue, albeit likely at a slower pace. SFB staff projects that ADM growth rates within a range of 5.0 - 8.5% will be the norm for most years of the projection cycle.



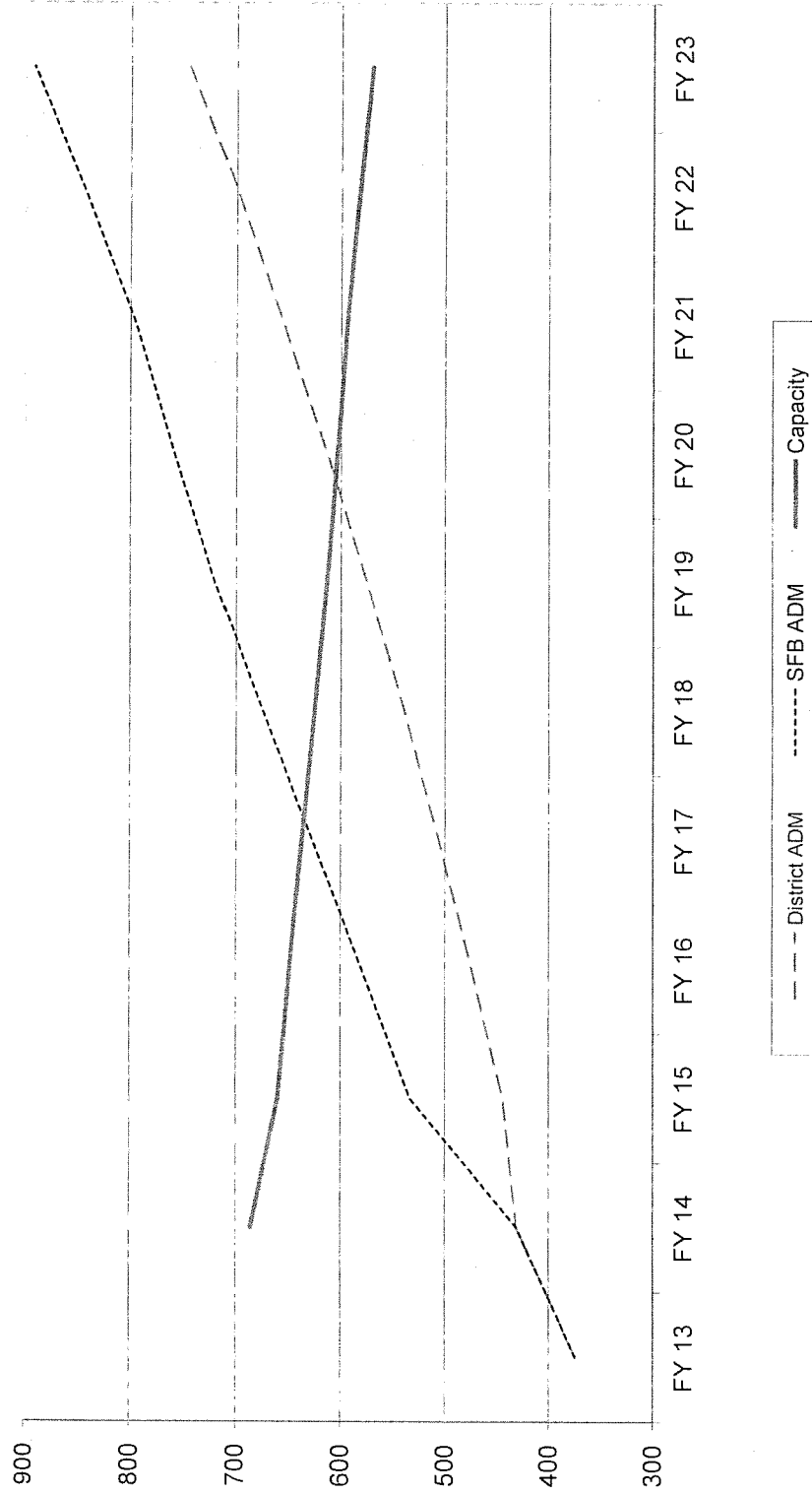
New Home Occupancies (1)  
Colorado City Unified District



(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
6	6	6	6	7	6	6	7	8	58

K-12 Graph  
Colorado City Unified District



	K-12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM		374	431	444	474	506	539	575	613	654	697	744
SFB ADM		374	431	534	579	627	674	720	758	795	841	892
Capacity			685	659	648	636	624	613	603	594	583	570

# 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 Colorado City Unified District CTD – 080214 (K-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
			K-12 for 149 students (Conceptual)				

**Staff Notes Regarding District's Request:** This project was conceptually approved last year to be approved in FY 18. The district owns a site for this project.

### Staff Recommendation for December 10, 2014

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-12 for 149 students (Conceptual)				

**Note: NO FUNDING IS COMMITTED TO CONCEPTUALLY-APPROVED PROJECTS. ALL CONCEPTUAL PROJECTS SUBJECT TO CHANGE.** Each of these projects will be reviewed again in the next Capital Plan cycle, and has the potential to be pushed back, eliminated, or modified.

**New Construction Analysis  
Colorado City Unified District  
K - 12**

12/1/2014

<b>K-12</b>	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	526	526	526	526	526	526	526	526	526	526
District-funded Capacity (2)	159	133	122	110	98	87	77	68	57	44
<b>Total Student Capacity</b>	<b>685</b>	<b>659</b>	<b>648</b>	<b>636</b>	<b>624</b>	<b>613</b>	<b>603</b>	<b>594</b>	<b>583</b>	<b>570</b>

<b>District's ADM Projections</b>	<b>431</b>	<b>444</b>	<b>474</b>	<b>506</b>	<b>539</b>	<b>575</b>	<b>613</b>	<b>654</b>	<b>697</b>	<b>744</b>
ADM Growth Rate	15.1%	3.1%	6.8%	6.8%	6.5%	6.7%	6.6%	6.7%	6.6%	6.7%
Number of Students for which new space is required (3)		-	-	-	-	-	10	60	114	174

<b>SFB Recommended ADM Projections</b>	<b>431</b>	<b>534</b>	<b>579</b>	<b>627</b>	<b>674</b>	<b>720</b>	<b>758</b>	<b>795</b>	<b>841</b>	<b>892</b>
ADM Growth Rate	15.1%	23.9%	8.6%	8.1%	7.6%	6.8%	5.3%	4.8%	5.8%	6.0%
Number of Students for which new space is required (3)		-	-	-	50	107	155	200	258	322

(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.

**DECEMBER 10, 2014 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
002N - New school	K-12	149	105.68	15,746	166	FY 18

ADM Projections  
Colorado City 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 - 12	374	431	444	474	506	539	575	613	654	697	744
% change		15.1%	3.1%	6.8%	6.8%	6.5%	6.7%	6.6%	6.7%	6.6%	6.7%

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 - 12	374	431	534	579	627	674	720	758	795	841	892
% change		15.1%	23.9%	8.6%	8.1%	7.6%	6.8%	5.3%	4.8%	5.8%	6.0%

Assumptions:

District's projections are based on FY 14 Capital Plan, as FY 15 Capital Plan was not submitted prior to this analysis. 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 - 12	374	419	459	495	528	558	587	619	652	678	701
% change		12.0%	9.5%	7.8%	6.8%	5.7%	5.2%	5.5%	5.2%	4.0%	3.4%

ADM History  
Colorado City Unified District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
K - 12	327	322	325	352	374	431	
% change		-1.6%	0.8%	8.3%	6.3%	15.1%	5.6%

Square Footage and Capacity by School  
Colorado City Unified District

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
Colorado City Elementary School (2)	41,125	26,015	15,110	NA	15,110	95	159
Colorado City Jr High School	-	-	-	-	-	NA	0
Colorado City High School	127,470	68,084	59,386	5,939	53,447	101.6	526
<b>Total P-12</b>	<b>168,595</b>	<b>94,099</b>	<b>74,496</b>	<b>5,939</b>	<b>68,557</b>		<b>685</b>

(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) See Local Funds page for excluded area which varies by year based on ADM.

Local Funds Report  
Colorado City Unified District

12/1/2014

K-12 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Colorado City Elementary bldg. 1001	15,784									
Colorado City Elementary bldg. 1003	6,502									
Colorado City Elementary bldg. 1004	3,055									
Colorado City Elementary bldg. 1006	-									
Cumulative Total	25,341	25,341	25,341	25,341	25,341	25,341	25,341	25,341	25,341	25,341
ADM Projections	431	534	579	627	674	720	758	795	841	892
x Minimum adequacy factor	95	95	95	95	95	95	95	95	95	95
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	10,231	12,671	13,761	14,880	16,005	17,097	18,004	18,870	19,973	21,179
Square Footage to be built in excess of 25% threshold (1)	15,110	12,670	11,580	10,461	9,336	8,244	7,337	6,471	5,368	4,162
Capacity of excess square footage	159	133	122	110	98	87	77	68	57	44

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



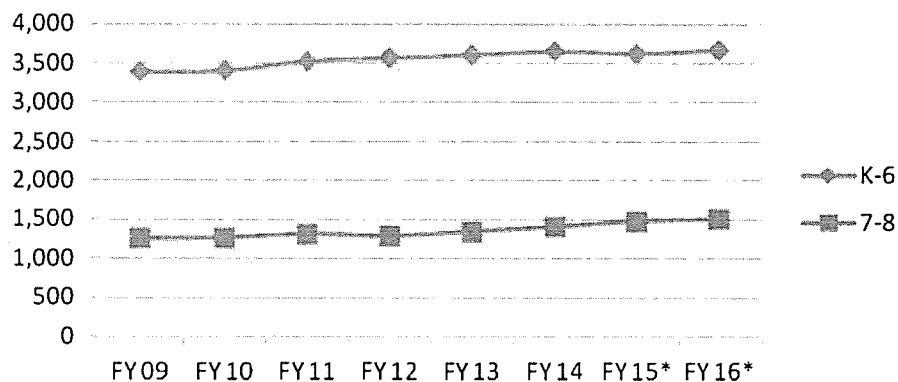
## Gadsden Elementary School District

### District Overview

Gadsden Elementary School District is at the southwest corner of the state, bordering Mexico and California. It is within commuting distance from the City of Yuma and the City of San Luis. The District currently has six elementary schools (K-6), one core elementary school (K-6), and two middle schools (7-8), serving approximately 5,050 ADM.

### District ADM History

Over the past five years, the District's ADM grew at an annualized rate of 1.7%. Growth was quite stable over the period, never reaching 4.0% and never in negative territory either.

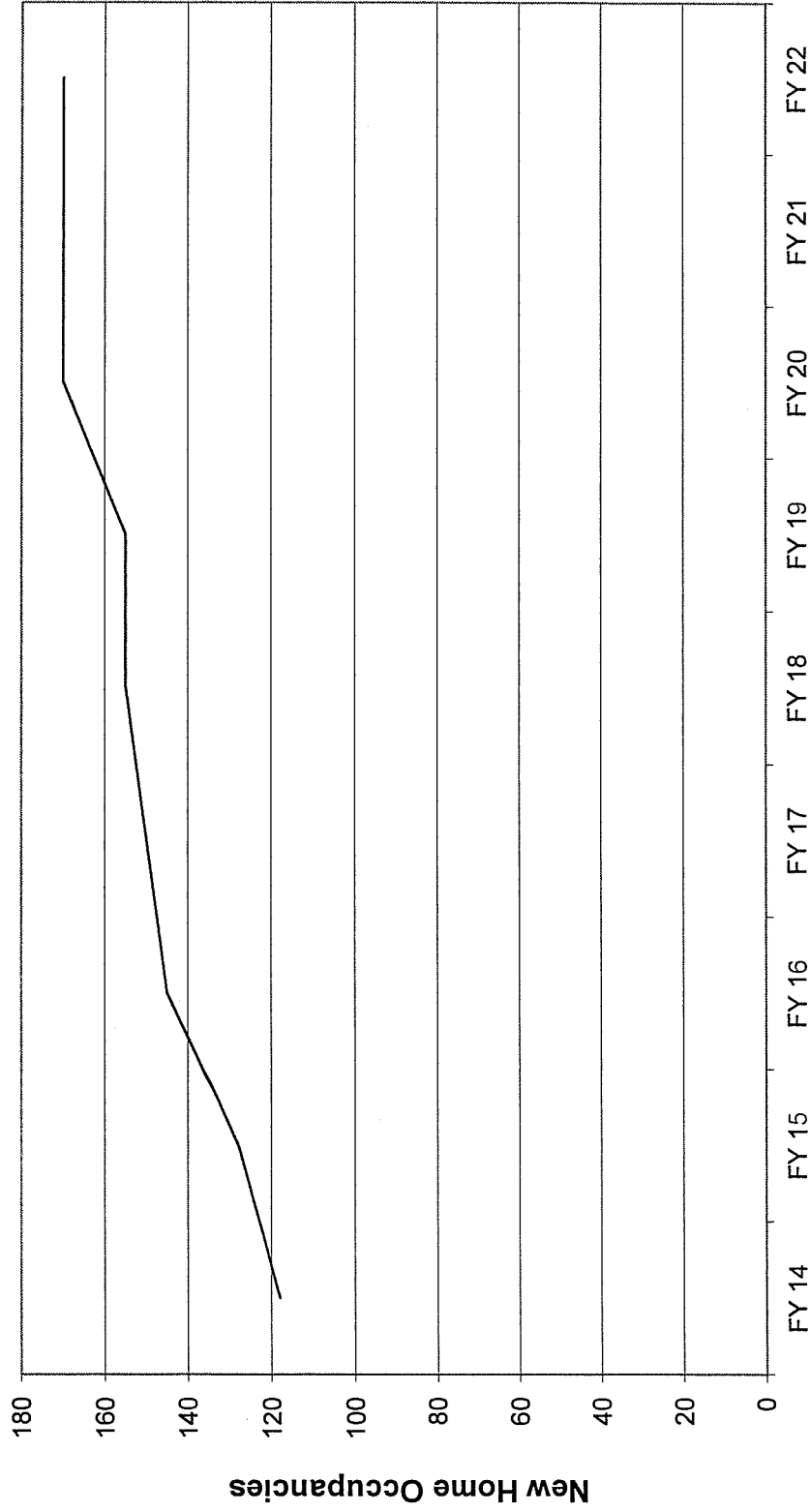


\*FY 15 and FY 16: ADM projections

### District Outlook

A predominantly Hispanic/Latino community, the District serves as a bedroom community for those working in the cities of San Luis and Yuma. Over the last decade, the District's ADM has never declined, even during the years of the housing bust that affected most parts of the state. A charter school that opened in FY 10 in the area has added another 130 students for the current year, reaching a total enrollment of 508 according to a charter school enrollment report by ADE. However, the District's ADM is forecasted to increase by 0.9%. Barring unforeseen conditions, SFB staff projects that the ADM will grow within a narrow band of 1.0 - 2.5% per annum during the current projection cycle.

New Home Occupancies (1)  
Gadsden Elementary District



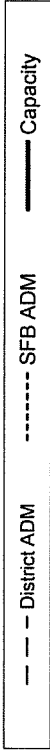
(1) As adjusted by SFB staff. Projections are:

FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
118	128	145	150	155	155	170	170	170	1,361

Fiscal Year	Ratio of Employees to Beds (Approximate)
FY 13	3,620
FY 14	3,820
FY 15	3,620
FY 16	3,720
FY 17	3,820
FY 18	3,920
FY 19	4,020
FY 20	4,120
FY 21	4,220
FY 22	4,320
FY 23	4,320

[illegible]

## 7-8 Graph

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# SCHOOL FACILITIES BOARD

## 2015 New Construction Analysis Gadsden Elementary District CTD – 140432 (K-6)

### 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
			Buildout of Ed Pastor (008N) (Conceptual)			Additional space at Rio Colorado Elementary School for 638 students (009N) (Conceptual)	

**Staff Notes Regarding District's Request:** Projects 008N and 009N were conceptually-approved last year to be approved in FY 18 and FY 21, respectively. The district owns land for the buildout project.

### Staff Recommendation for December 10, 2014

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
			Buildout of Ed Pastor (008N) (Conceptual)				Additional space at Rio Colorado Elementary School for 638 students (009N) (Conceptual)

**Note: NO FUNDING IS COMMITTED TO CONCEPTUALLY-APPROVED PROJECTS. ALL CONCEPTUAL PROJECTS SUBJECT TO CHANGE.** Each of these projects will be reviewed again in the next Capital Plan cycle, and has the potential to be pushed back, eliminated, or modified.

## Number of Students for which new space is required (2)

The staff recommendation is to conceptually approve:

'15 Capacity Gadsden El

ADM Projections  
Gadsden Elementary District

12/1/2014

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 - 6	3,606	3,652	3,753	3,828	3,905	3,983	4,063	4,144	4,227	4,312	4,398
% change		1.3%	2.8%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
7 - 8	1,345	1,405	1,398	1,426	1,455	1,484	1,514	1,544	1,575	1,607	1,639
% change		4.5%	-0.5%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Total	4,951	5,057	5,151	5,254	5,360	5,467	5,577	5,688	5,802	5,919	6,037
% change		2.1%	1.9%	2.0%	2.0%	2.0%	2.0%	2.0%	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 - 6	3,606	3,652	3,626	3,672	3,746	3,833	3,898	3,967	4,055	4,171	4,308
% change		1.3%	-0.7%	1.3%	2.0%	2.3%	1.7%	1.8%	2.2%	2.9%	3.3%
7 - 8	1,345	1,405	1,476	1,497	1,498	1,491	1,533	1,601	1,644	1,658	1,663
% change		4.5%	5.1%	1.4%	0.1%	-0.4%	2.8%	4.4%	2.7%	0.8%	0.3%
Total	4,951	5,057	5,102	5,168	5,243	5,325	5,431	5,567	5,698	5,829	5,970
% change		2.1%	0.9%	1.3%	1.4%	1.6%	2.0%	2.5%	2.4%	2.3%	2.4%

Assumptions:

FY 13 and FY 14 are actual based on information received from ADE. District's projections are based on FY 14 Capital Plan, as FY 15 Capital Plan was not submitted prior to this analysis. 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 - 6	3,606	3,633	3,670	3,696	3,773	3,870	3,956	4,057	4,173	4,285	4,391
% change		0.7%	1.0%	0.7%	2.1%	2.6%	2.2%	2.6%	2.9%	2.7%	2.5%
7 - 8	1,345	1,412	1,484	1,510	1,514	1,480	1,509	1,543	1,548	1,576	1,627
% change		5.0%	5.1%	1.7%	0.2%	-2.3%	2.0%	2.2%	0.4%	1.8%	3.2%
Total	4,951	5,044	5,154	5,206	5,286	5,350	5,465	5,600	5,722	5,861	6,018
% change		1.9%	2.2%	1.0%	1.5%	1.2%	2.2%	2.5%	2.2%	2.4%	2.7%

ADM History  
Gadsden Elementary District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
<b>K - 6</b>	3,391	3,404	3,529	3,567	3,606	3,652	
<b>% change</b>		0.4%	3.7%	1.1%	1.1%	1.3%	1.5%
<b>7 - 8</b>	1,255	1,265	1,315	1,290	1,345	1,405	
<b>% change</b>		0.7%	4.0%	-1.9%	4.3%	4.5%	2.3%
<b>Total</b>	4,647	4,668	4,843	4,856	4,951	5,057	
<b>% change</b>		0.5%	3.8%	0.3%	1.9%	2.1%	1.7%



Square Footage and Capacity by School  
Gadsden Elementary District

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
Gadsden Elementary School (formerly Intermediate School)	71,615	24,538	47,077	1,268	45,809	85	539
Rio Colorado Elementary School (not including SFB addition)	35,542	0	35,542	0	35,542	85	418
SFB-funded addition to Rio Colorado	18,000	0	18,000	NA	18,000	80	225
San Luis Pre-School	5,040	0	5,040	0	5,040	85	59
Arizona Desert Elementary	68,000	0	68,000	6,800	61,200	85	720
SFB-funded Cesar Chavez Elementary	58,500	0	58,500	NA	58,500	80	731
District-funded addition to Cesar Chavez	1,810	0	1,810	181	1,629	85	19
SFB-funded Desert View (2)	60,317	0	60,317	NA	60,317	80	754
SFB-funded core Ed Pastor Elementary (3)	29,250	0	29,250	NA	29,250	80	366
<b>Total K-6 Square Footage</b>	<b>348,074</b>	<b>24,538</b>	<b>323,536</b>	<b>8,249</b>	<b>315,287</b>		<b>3,831</b>
San Luis Middle School	76,570	6,865	69,705	0	69,705	100	697
SFB-funded Southwest Junior High (4)	80,100	0	80,100	NA	80,100	80	1,001
<b>Total 7-8 Square Footage</b>	<b>156,670</b>	<b>6,865</b>	<b>149,805</b>	<b>0</b>	<b>149,805</b>		<b>1,698</b>

- (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) This school was originally approved for 58,500 SF, but architect designed 60,317 SF within SFB budget.  
(3) This core school was originally approved for 38,025 SF. However, only 29,250 (50% of total square footage at buildout) counts against the district's capacity in this analysis.  
(4) This school was originally approved for 80,000 SF, but architect designed 80,100 SF within SFB budget.

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

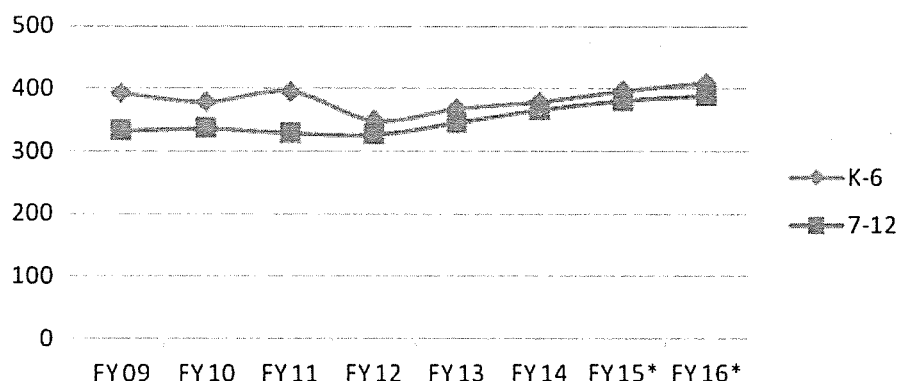
## Pima Unified School District

### District Overview

Pima Unified School District is located in the central part of Graham County, bisected by Highway 70. Although the District's territory extends from the north end to the south end of the county, its population is mostly in the Town of Pima. The District currently has one elementary school (K-6) and one junior/senior high school (7-12), serving approximately 780 ADM.

### District ADM History

Over the past five years, the District's ADM alternated between growth and declines for the first four years, resulting in an annualized growth rate of 0.6%.

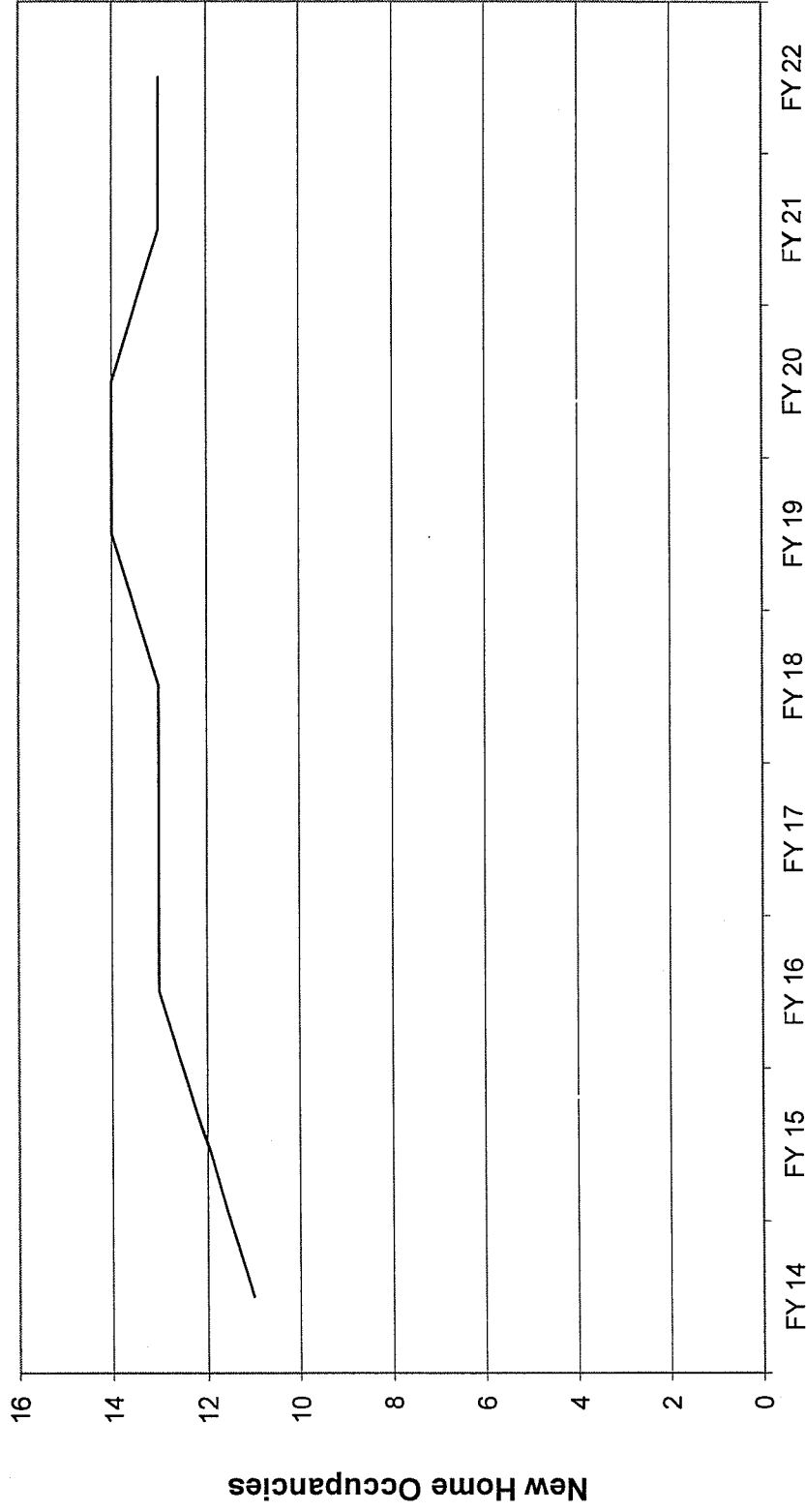


\*FY 15 and FY 16: ADM projections

### District Outlook

The District's ADM is forecasted to gain 4.5% at the elementary level (K-6) and 4.1% at the junior high and high school level (7-12) for the current year due to continued steady expansion at the Freeport-McMoran mines. Enrollment patterns indicate that the District's ADM will follow divergent trends between the K-6 and 7-12 grade levels. At the elementary level, ADM is projected to undergo steady growth within a range of 3.0-5.0% during the first half of the analysis timeframe followed by modest growth for the remainder of the projection cycle. At the 7-12 grade level, ADM is expected to experience modest growth and decline during the first three years followed by consistent growth mostly within a range of 3.0 - 5.0% in the remaining five years. The overall ADM is projected to exhibit an upward trend.

New Home Occupancies (1)  
Pima 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
11	12	13	13	13	14	14	13	13	116

Fiscal Year	District ADM	SFB ADM	Capacity
FY 13	490	430	400
FY 14	495	440	405
FY 15	485	430	400
FY 16	480	420	400
FY 17	475	415	400
FY 18	470	410	400
FY 19	475	415	400
FY 20	480	420	400
FY 21	485	425	400
FY 22	480	420	400
FY 23	485	425	400

[illegible]

Fiscal Year	Capacity	SFB ADM	District ADM
FY13	525	350	350
FY14	525	375	380
FY15	525	400	405
FY16	525	410	415
FY17	525	415	420
FY18	525	415	425
FY19	525	410	420
FY20	525	405	415
FY21	525	400	410
FY22	525	405	415
FY23	525	450	465

[illegible]

# 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 Pima Unified District CTD – 050206 (K-6)

### 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 79 students (002N) (Conceptual)					

**Staff Notes Regarding District's Request:** Project 002N was conceptually approved last year to open in FY 17. The district owns land for this project.

### Staff Recommendation for December 10, 2014

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 79 students (002N) (Conceptual)						

**Note: NO FUNDING IS COMMITTED TO CONCEPTUALLY-APPROVED PROJECTS. ALL CONCEPTUAL PROJECTS SUBJECT TO CHANGE.** Each project will be reviewed again in the next Capital Plan cycle, and has the potential to be pushed back, eliminated, or modified.

**New Construction Analysis  
Pima Unified District**

**K - 6**

12/1/2014

<b>K-6</b>	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	400	400	400	400	400	400	400	400	400	400
District-funded Capacity (2)	6	2	-	-	-	-	-	-	-	-
<b>Total Student Capacity</b>	<b>406</b>	<b>402</b>	<b>400</b>	<b>400</b>	<b>400</b>	<b>400</b>	<b>400</b>	<b>400</b>	<b>400</b>	<b>400</b>

<b>District's ADM Projections</b>	<b>432</b>	<b>428</b>	<b>432</b>	<b>437</b>	<b>441</b>	<b>445</b>	<b>450</b>	<b>454</b>	<b>459</b>	<b>463</b>
ADM Growth Rate	17.2%	-0.9%	0.9%	1.2%	0.9%	0.9%	1.1%	0.9%	1.1%	0.9%
Number of Students for which new space is required (3)		26	32	37	41	45	50	54	59	63

<b>SFB Recommended ADM Projections</b>	<b>379</b>	<b>397</b>	<b>409</b>	<b>430</b>	<b>447</b>	<b>461</b>	<b>467</b>	<b>488</b>	<b>490</b>	<b>497</b>
ADM Growth Rate	3.0%	4.5%	3.2%	5.0%	4.0%	3.2%	1.2%	4.6%	0.4%	1.4%
Number of Students for which new space is required (3)		-	10	30	47	62	67	89	90	97

(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.

**DECEMBER 10, 2014 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
002N - New School	K-6	79	90	7,110	89	FY 16

12/1/2014

ADM Projections  
Pima Unified District

<b>District Provided ADM Forecast</b>	<b>FY 13</b>	<b>FY 14</b>	<b>FY 15</b>	<b>FY 16</b>	<b>FY 17</b>	<b>FY 18</b>	<b>FY 19</b>	<b>FY 20</b>	<b>FY 21</b>	<b>FY 22</b>	<b>FY 23</b>
K - 6	368	432	428	432	437	441	445	450	454	459	463
% change		17.2%	-0.9%	0.9%	1.2%	0.9%	0.9%	1.1%	0.9%	1.1%	0.9%
7 - 12	346	363	370	377	385	393	400	409	417	425	434
% change		6.0%	1.9%	1.9%	2.1%	2.1%	1.8%	2.3%	2.0%	1.9%	2.1%
Total	715	795	798	809	822	834	845	859	871	884	897
% change		11.2%	0.4%	1.4%	1.6%	1.5%	1.3%	1.7%	1.4%	1.5%	1.5%

<b>SFB ADM Forecast</b>	<b>FY 13</b>	<b>FY 14</b>	<b>FY 15</b>	<b>FY 16</b>	<b>FY 17</b>	<b>FY 18</b>	<b>FY 19</b>	<b>FY 20</b>	<b>FY 21</b>	<b>FY 22</b>	<b>FY 23</b>
K - 6	368	379	397	409	430	447	461	467	488	490	497
% change		3.0%	4.5%	3.2%	5.0%	4.0%	3.2%	1.2%	4.6%	0.4%	1.4%
7 - 12	346	367	382	390	390	386	399	412	416	435	457
% change		6.0%	4.1%	2.1%	0.1%	-1.0%	3.3%	3.2%	1.2%	4.3%	5.1%
Total	715	746	779	799	820	833	860	879	905	925	954
% change		4.4%	4.3%	2.7%	2.6%	1.6%	3.3%	2.1%	3.0%	2.2%	3.1%

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.
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<b>SFB ADM Forecast - Last Year</b>	<b>FY 13</b>	<b>FY 14</b>	<b>FY 15</b>	<b>FY 16</b>	<b>FY 17</b>	<b>FY 18</b>	<b>FY 19</b>	<b>FY 20</b>	<b>FY 21</b>	<b>FY 22</b>	<b>FY 23</b>
K - 6	368	376	380	388	407	425	442	456	477	491	505
% change		2.1%	1.1%	2.0%	4.9%	4.4%	4.1%	3.1%	4.7%	2.8%	2.8%
7 - 12	346	363	383	393	396	390	398	410	413	423	443
% change		4.9%	5.5%	2.4%	0.8%	-1.4%	2.0%	2.9%	0.8%	2.4%	4.9%
Total	715	740	764	780	803	815	840	865	890	914	948
% change		3.5%	3.3%	2.2%	2.9%	1.5%	3.1%	3.0%	2.9%	2.6%	3.8%



ADM History  
Pima Unified District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
K - 6	393	379	396	349	368	379	
% change		-3.5%	4.4%	-11.7%	5.4%	3.0%	-0.7%
7 - 12	333	337	330	327	346	367	
% change		1.2%	-2.1%	-0.8%	5.8%	6.0%	2.0%
Total	726	716	726	677	715	746	
% change		-1.3%	1.3%	-6.7%	5.6%	4.4%	0.6%



Local Funds Report  
Pima Unified District

11/21/2014

	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K-6 Square Footage										
Classrooms purchased FY 07 (Bldg 1008)	1,680									
Classrooms built FY 09 (Bldg. 1009)	6,474									
Cumulative Total	8,154	8,154	8,154	8,154	8,154	8,154	8,154	8,154	8,154	8,154
ADM Projections	379	397	409	430	447	461	467	488	490	497
x Minimum adequacy factor	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	7,674	8,021	8,279	8,695	9,043	9,331	9,443	9,877	9,912	10,047
Square Footage to be built in excess of 25% threshold (1)	480	133	0	0	0	0	0	0	0	0
Capacity of excess square footage	6	2	0	0	0	0	0	0	0	0

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

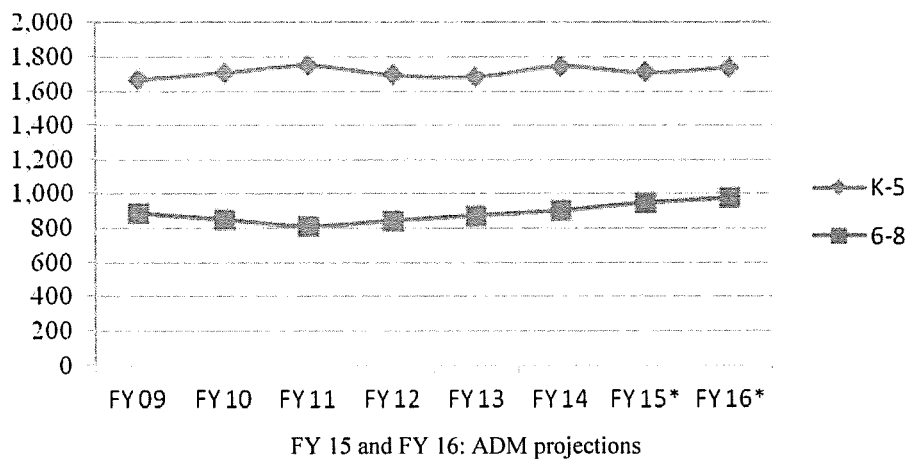
## Somerton Elementary School District

### District Overview

Somerton Elementary School District is located near the southwest corner of the state sharing a border with California on the west and Mexico on the south. It serves the communities of Somerton, San Luis, and nearby areas. The District currently has three elementary schools (K-5), one SFB-funded core elementary school (K-5) and one middle school (6-8), serving approximately 2,650 ADM. The K-5 core school has been partially built-out by the District; the remainder of the buildout will also be funded by the District and is estimated to be completed in July 2015.

### District ADM History

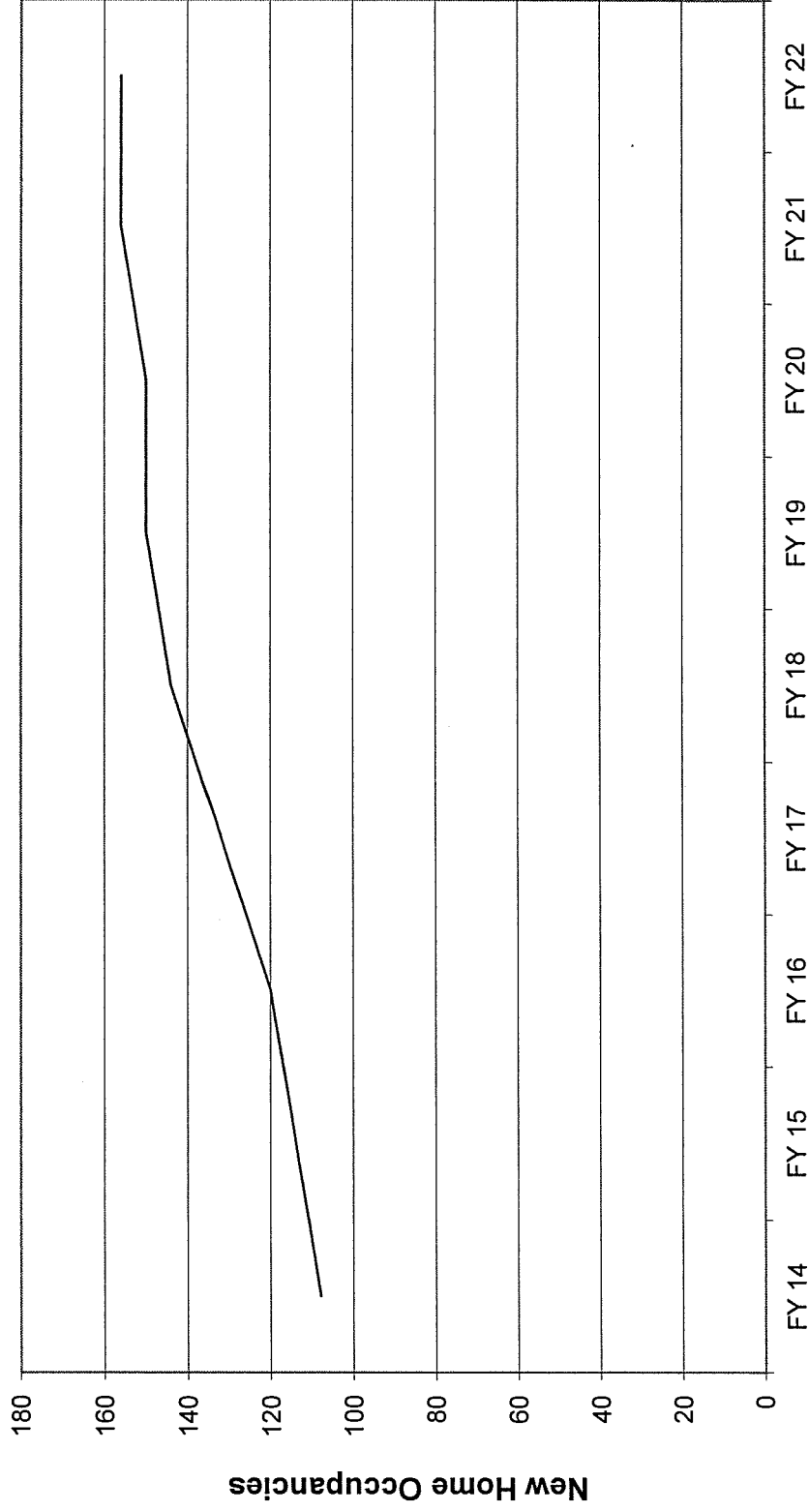
Over the past five years, the District's ADM essentially stayed flat during the first four years, followed by an increase of 3.4% in FY 14, resulting in an annualized rate of 0.7%.



### District Outlook

After staying virtually unchanged from FY 09 to FY 13, the District's ADM grew 3.4% in FY 14. This year, the ADM is poised to register a slight increase of 0.4%. The low growth rate is attributed to a significantly lower enrollment in the Kindergarten grade level. Barring unforeseen circumstances, SFB projects that the District's ADM will grow at an approximate range of 2.0 - 3.0% annually within the analysis timeframe.

New Home Occupancies (1)  
Somerton 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
108	114	120	132	144	150	150	156	156	1,230

Fiscal Year	Total Employees	Department of Health and Human Services	Department of Health and Human Services, excluding the Office of the Secretary
FY 13	1,720	1,750	1,750
FY 14	1,750	1,780	1,780
FY 15	1,780	1,810	1,810
FY 16	1,810	1,840	1,840
FY 17	1,840	1,870	1,870
FY 18	1,870	1,900	1,900
FY 19	1,900	1,930	1,930
FY 20	1,930	1,960	1,960
FY 21	1,960	1,990	1,990
FY 22	1,990	2,020	2,020
FY 23	2,020	2,050	2,050

[illegible]

Fiscal Year	Solid Line (Employees)	Dashed Line (Employees)	Dotted Line (Employees)
FY 13	820	920	880
FY 14	880	900	900
FY 15	920	950	950
FY 16	950	1,020	980
FY 17	980	1,000	1,000
FY 18	1,020	1,020	1,020
FY 19	1,050	1,050	1,050
FY 20	1,080	1,080	1,080
FY 21	1,080	1,080	1,080
FY 22	1,080	1,080	1,080
FY 23	1,100	1,100	1,100

[illegible]

# 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 Somerton Elementary District CTD – 140411 (K-5)

### 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-5 for 275 students (008N)				

**Staff Notes Regarding District's Request:** Project 008N was conceptually-approved last year to be approved in FY 18.

### Staff Recommendation for December 10, 2014

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-5 for 275 students (008N) (conceptual)	

**Note: NO FUNDING IS COMMITTED TO CONCEPTUALLY-APPROVED PROJECTS. ALL CONCEPTUAL PROJECTS SUBJECT TO CHANGE.** Each of these projects will be reviewed again in the next Capital Plan cycle, and has the potential to be pushed back, eliminated, or modified.



**New Construction Analysis  
Somerton Elementary District**

11/21/2014

**K - 5**

<b>K-5</b>		FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)		1,943	1,943	1,943	1,943	1,943	1,943	1,943	1,943	1,943	1,943
<b>Total Student Capacity</b>		<b>1,943</b>	<b>1,943</b>	<b>1,943</b>	<b>1,943</b>	<b>1,943</b>	<b>1,943</b>	<b>1,943</b>	<b>1,943</b>	<b>1,943</b>	<b>1,943</b>

<b>District's ADM Projections</b>		<b>1,747</b>	<b>1,747</b>	<b>1,806</b>	<b>1,880</b>	<b>1,970</b>	<b>2,013</b>	<b>2,069</b>	<b>2,122</b>	<b>2,159</b>	<b>2,210</b>
ADM Growth Rate		3.5%	0.0%	3.4%	4.1%	4.8%	2.2%	2.8%	2.6%	1.7%	2.4%
Number of Students for which new space is required (2)			-	-	-	27	70	126	179	216	267

<b>SFB Recommended ADM Projections</b>		<b>1,747</b>	<b>1,712</b>	<b>1,738</b>	<b>1,795</b>	<b>1,851</b>	<b>1,903</b>	<b>1,931</b>	<b>2,006</b>	<b>2,064</b>	<b>2,122</b>
ADM Growth Rate		3.5%	-2.0%	1.5%	3.3%	3.1%	2.8%	1.5%	3.9%	2.9%	2.8%
Number of Students for which new space is required (2)			-	-	-	-	-	-	64	121	179

(1) See Square Footage and Capacity by School page.

(2) Difference between ADM projections and Total Student Capacity.

**December 10, 2014 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
008N - New School	K-5	275	90	24,750	309	FY 21

ADM Projections  
Somerton Elementary District

11/21/2014

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 - 5	1,687	1,747	1,747	1,806	1,880	1,970	2,013	2,069	2,122	2,159	2,210
% change		3.5%	0.0%	3.4%	4.1%	4.8%	2.2%	2.8%	2.6%	1.7%	2.4%
6 - 8	875	903	903	930	950	1,004	1,027	1,051	1,081	1,106	1,131
% change		3.2%	0.0%	3.0%	2.2%	5.7%	2.3%	2.3%	2.9%	2.3%	2.3%
Total	2,561	2,649	2,650	2,736	2,830	2,974	3,040	3,120	3,203	3,265	3,341
% change		3.4%	0.0%	3.2%	3.4%	5.1%	2.2%	2.6%	2.7%	1.9%	2.3%

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 - 5	1,687	1,747	1,712	1,738	1,795	1,851	1,903	1,931	2,006	2,064	2,122
% change		3.5%	-2.0%	1.5%	3.3%	3.1%	2.8%	1.5%	3.9%	2.9%	2.8%
6 - 8	875	903	948	975	977	974	994	1,056	1,073	1,102	1,104
% change		3.2%	5.0%	2.9%	0.2%	-0.3%	2.1%	6.2%	1.6%	2.7%	0.2%
Total	2,561	2,649	2,660	2,713	2,771	2,825	2,897	2,987	3,080	3,166	3,226
% change		3.4%	0.4%	2.0%	2.1%	1.9%	2.6%	3.1%	3.1%	2.8%	1.9%

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 - 5	1,687	1,768	1,798	1,852	1,896	1,966	2,027	2,067	2,114	2,161	2,209
% change		4.8%	1.7%	3.0%	2.4%	3.7%	3.1%	2.0%	2.3%	2.2%	2.2%
6 - 8	875	901	909	910	932	934	962	994	1,041	1,080	1,097
% change		3.0%	0.8%	0.1%	2.4%	0.2%	3.0%	3.3%	4.8%	3.7%	1.6%
Total	2,561	2,669	2,707	2,761	2,828	2,900	2,989	3,060	3,155	3,241	3,306
% change		4.2%	1.4%	2.0%	2.4%	2.5%	3.1%	2.4%	3.1%	2.7%	2.0%

ADM History  
Somerton Elementary District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
<b>K - 5</b>	1,672	1,710	1,749	1,696	1,687	1,747	
<b>% change</b>		2.2%	2.3%	-3.0%	-0.6%	3.5%	0.9%
<b>6 - 8</b>	886	851	811	844	875	903	
<b>% change</b>		-4.0%	-4.7%	4.1%	3.6%	3.2%	0.4%
<b>Total</b>	2,559	2,560	2,560	2,541	2,561	2,649	
<b>% change</b>		0.1%	0.0%	-0.8%	0.8%	3.4%	0.7%

Square Footage and Capacity by School  
Somerton Elementary District

School	Gross Area	Excluded Area	IC		Divisor (1)	Capacity
			Net Area	Deduct Net of IC		
Orange Grove Elementary School	31,000	0	31,000	0	31,000	85
Desert Sonora Elementary	41,142	0	41,142	0	41,142	85
Tierra del Sol Elementary	75,679	0	75,679	7,568	68,111	85
SFB-funded core Valle Del Encanto Learning Center (2)	23,400	0	23,400	NA	23,400	80
District-funded addition to Valle Del Encanto	15,859	15,859	0	0	0	0
<b>Total K-5</b>	<b>187,080</b>	<b>15,859</b>	<b>171,221</b>	<b>7,568</b>	<b>163,653</b>	<b>1,943</b>
Somerton Middle School	78,249	1,860	76,389	0	76,389	95
SFB-funded addition to Somerton Middle School (3)	24,870	0	24,870	NA	24,870	82.7
<b>Total 6-8</b>	<b>103,119</b>	<b>1,860</b>	<b>101,259</b>	<b>0</b>	<b>101,259</b>	<b>1,105</b>

(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 build-out of this school will be funded by the district.

(3) SFB originally approved 24,168 SF, but district reported 24,870 SF actually built (additional square footage came in under budget, and therefore was funded by SFB also).

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

Local Funds Report  
Somerton Elementary District

11/21/2014

	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K-5 Square Footage										
Valle del Encanto additions	15,859		11,494							
Cumulative Total	15,859	15,859	27,353	27,353	27,353	27,353	27,353	27,353	27,353	27,353
ADM Projections	1,747	1,712	1,738	1,795	1,851	1,903	1,931	2,006	2,064	2,122
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	34,932	34,234	34,762	35,893	37,014	38,055	38,616	40,125	41,278	42,432
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.

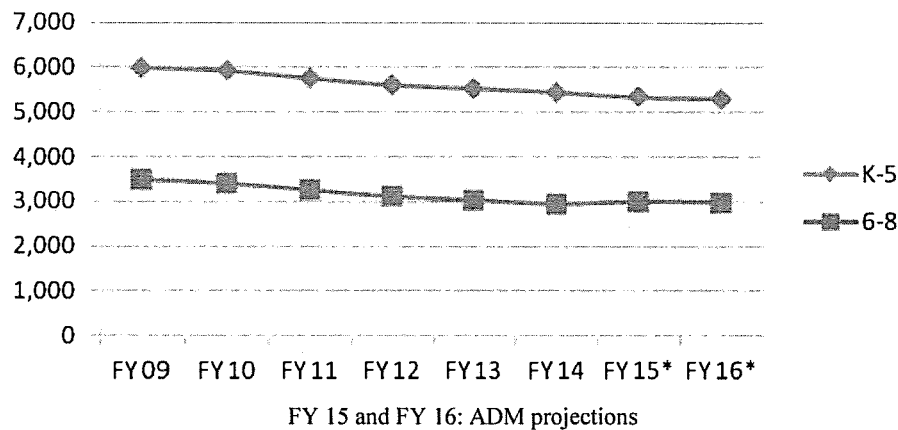
## Yuma Elementary School District

### District Overview

Yuma Elementary School District covers large areas of the southern and southwest part of Yuma County (except the very southwest corner of the County). Its main population center is the City of Yuma. The District currently has 13 elementary schools and five junior high schools, serving over 8,300 ADM.

### District ADM History

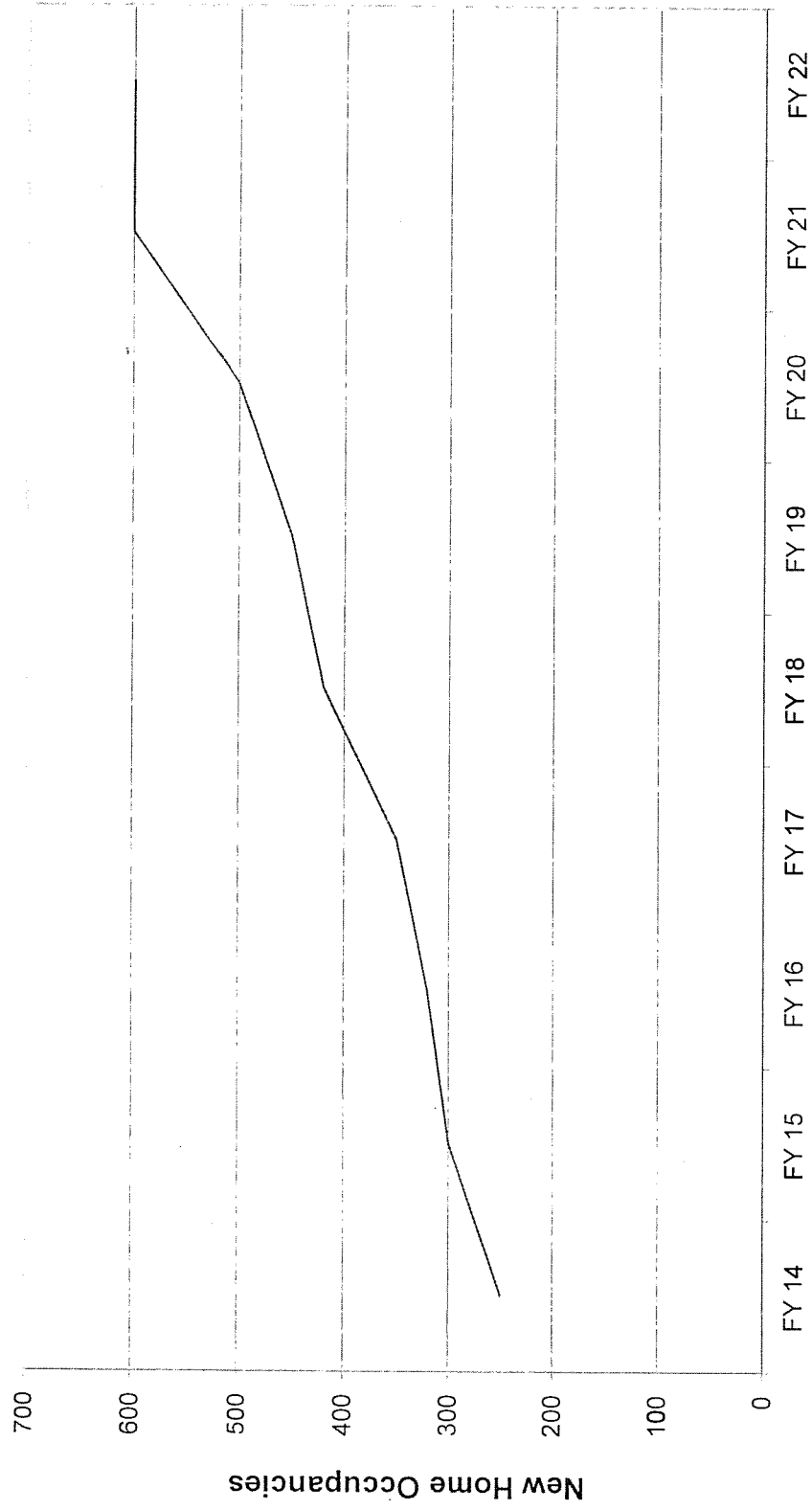
The District's ADM has declined consistently since FY 2008, resulting in a negative annualized growth rate of -2.4% over the past five years.



### District Outlook

This year, the District is poised to register a loss of -0.6% in the overall ADM. The K-5 ADM is expected to decline 2.0% and the ADM at the middle school level will gain 1.9%. The eight-year trend of ADM decrease is largely attributed to charter competition in the area. The lower birth numbers from 2010-2013 will affect future enrollment but it appears that new housing developments will be built in the Foothills area within the next few years, which will help offset the ADM reduction. SFB staff projects ADM declines and growth within the narrow band of -1.5% – 1.0% during the current projection cycle.

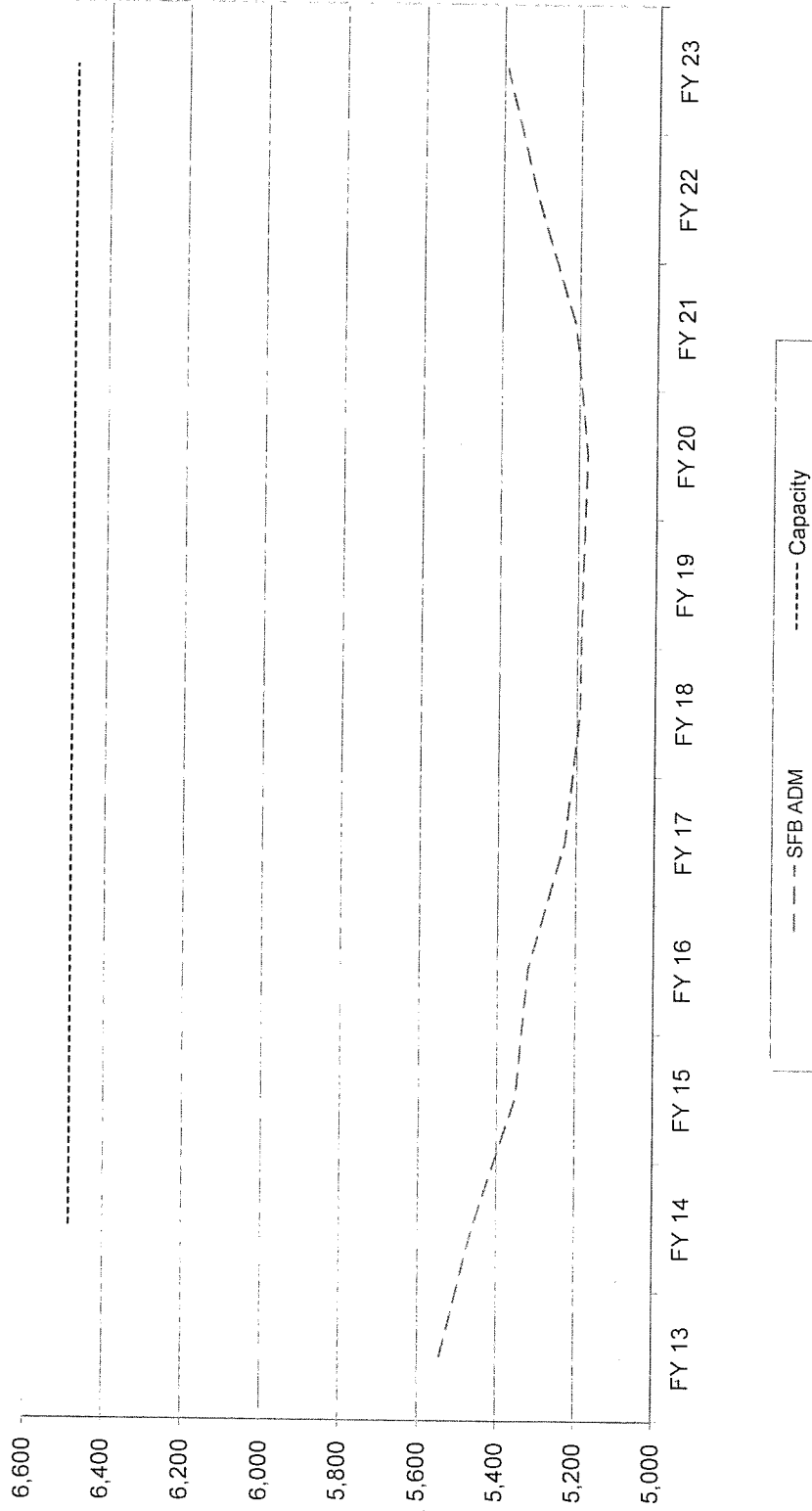
New Home Occupancies (1)  
Yuma Elementary District



(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
250	300	320	350	420	450	500	600	600	3,790

K-5 Graph  
Yuma Elementary District

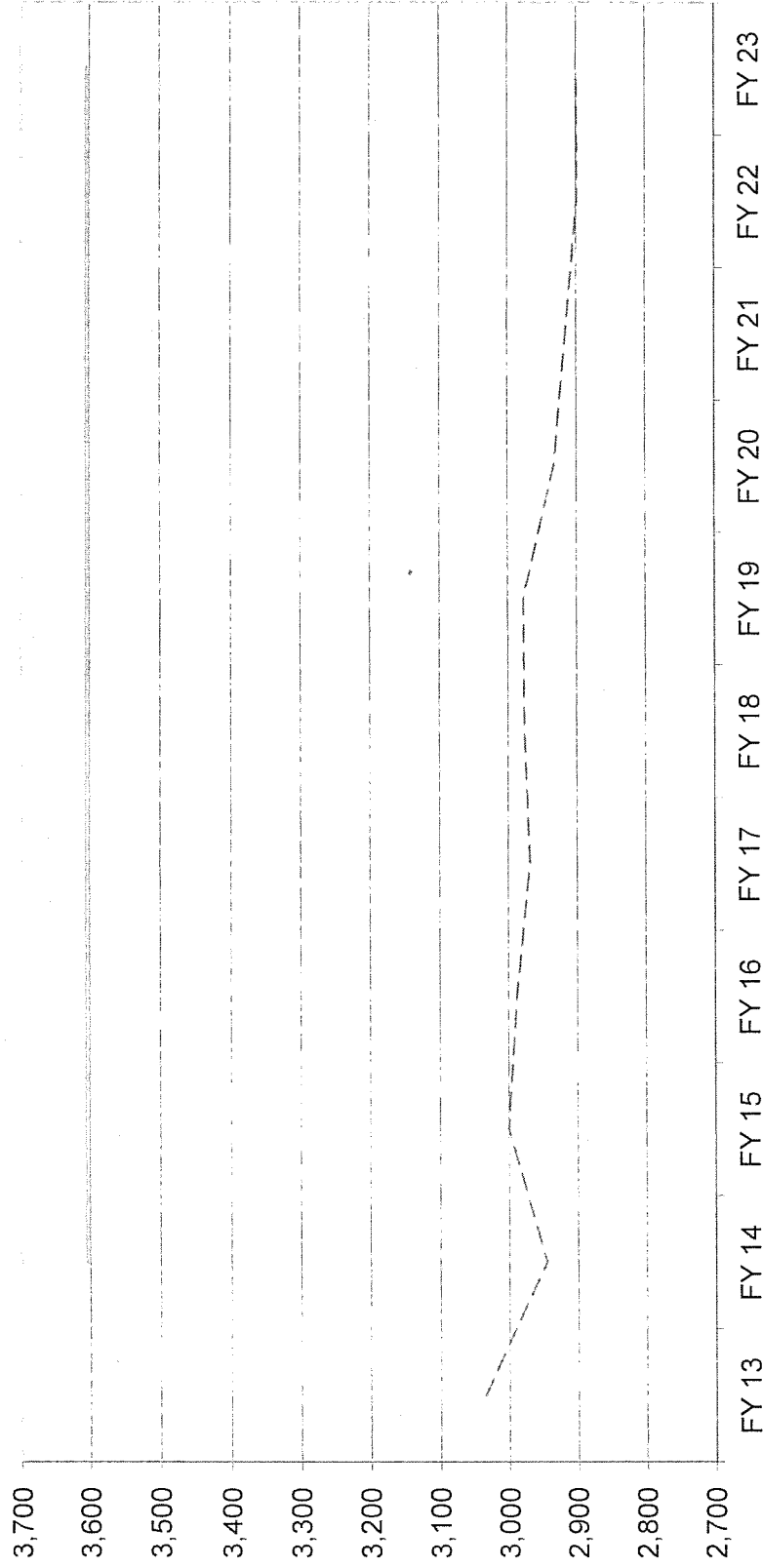


K-5	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM*	5,544	5,462	NA	NA	NA	NA	NA	NA	NA	NA	NA
SFB ADM	5,544	5,462	5,353	5,321	5,228	5,193	5,187	5,177	5,209	5,309	5,392
Capacity		6,486	6,486	6,486	6,486	6,486	6,486	6,486	6,486	6,486	6,486

\* District did not provide ADM projections in its FY 15 Capital Plan.



6-8 Graph  
Yuma Elementary District



--- SFB ADM      Capacity

6-8*	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	3,035	2,945	2,945	3,000	2,988	2,969	2,976	2,978	2,933	2,915	2,899
SFB ADM	3,035	2,945	2,945	3,000	2,988	2,969	2,976	2,978	2,933	2,915	2,899
Capacity		3,604	3,604	3,604	3,604	3,604	3,604	3,604	3,604	3,604	3,604

\* District did not provide ADM projections in its FY 15 Capital Plan.

# 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 Yuma Elementary District CTD – 140401 (K-5)

### 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-5 for 800 students (Conceptual)		

**Staff Notes Regarding District's Request:** This project was not conceptually-approved last year.

### Staff Recommendation for December 10, 2014

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		

New Construction Analysis  
Yuma Elementary District  
K - 5

12/1/2014

<b>K-5</b>	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	6,486	6,486	6,486	6,486	6,486	6,486	6,486	6,486	6,486	6,486
<b>Total Student Capacity</b>	<b>6,486</b>	<b>6,486</b>	<b>6,486</b>	<b>6,486</b>	<b>6,486</b>	<b>6,486</b>	<b>6,486</b>	<b>6,486</b>	<b>6,486</b>	<b>6,486</b>
<b>District's ADM Projections (not provided)</b>	<b>5,462</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
ADM Growth Rate	-1.5%	NA	NA	NA	NA	NA	NA	NA	NA	NA
Number of Students for which new space is required (2)		NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>SFB Recommended ADM Projections</b>	<b>5,462</b>	<b>5,353</b>	<b>5,321</b>	<b>5,228</b>	<b>5,193</b>	<b>5,187</b>	<b>5,177</b>	<b>5,209</b>	<b>5,309</b>	<b>5,392</b>
ADM Growth Rate	-1.5%	-2.0%	-0.6%	-1.7%	-0.7%	-0.1%	-0.2%	0.6%	1.9%	1.6%
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.

December 10, 2014 STAFF RECOMMENDATION

No conceptual approval.

ADM Projections  
Yuma Elementary District

12/1/2014

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 - 5	5,544	5,462	NA	NA	NA	NA	NA	NA	NA	NA	NA
% change		-1.5%	NA	NA	NA	NA	NA	NA	NA	NA	NA
6 - 8	3,035	2,945	NA	NA	NA	NA	NA	NA	NA	NA	NA
% change		-3.0%	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total	8,579	8,407	NA	NA	NA	NA	NA	NA	NA	NA	NA
% change		-2.0%	NA	NA	NA	NA	NA	NA	NA	NA	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 - 5	5,544	5,462	5,353	5,321	5,228	5,193	5,187	5,177	5,209	5,309	5,392
% change		-1.5%	-2.0%	-0.6%	-1.7%	-0.7%	-0.1%	-0.2%	0.6%	1.9%	1.6%
6 - 8	3,035	2,945	3,000	2,988	2,969	2,976	2,978	2,933	2,915	2,899	2,900
% change		-3.0%	1.9%	-0.4%	-0.7%	0.3%	0.1%	-1.5%	-0.6%	-0.6%	0.0%
Total	8,579	8,407	8,353	8,309	8,197	8,169	8,165	8,109	8,125	8,209	8,292
% change		-2.0%	-0.6%	-0.5%	-1.4%	-0.3%	0.0%	-0.7%	0.2%	1.0%	1.0%

Assumptions:

FY 13 and FY 14 are actual based on information received from ADE. District did not provide projections in its FY 15 Capital Plan. SFB's projections for FY 15 through FY 23 are based on cohort survival and residential development.

ADM History  
Yuma Elementary District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
K - 5	6,004	5,937	5,773	5,618	5,544	5,462	
% change		-1.1%	-2.8%	-2.7%	-1.3%	-1.5%	-1.9%
6 - 8	3,494	3,409	3,261	3,110	3,035	2,945	
% change		-2.4%	-4.3%	-4.6%	-2.4%	-3.0%	-3.4%
Total	9,498	9,345	9,034	8,729	8,579	8,407	
% change		-1.6%	-3.3%	-3.4%	-1.7%	-2.0%	-2.4%

Square Footage and Capacity by School  
Yuma Elementary District

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
Alice Byrne Elementary School (2)	21,755	4,153	17,602	0	17,602	85	207
George Washington Carver Elementary School (2)	35,010	0	35,010	1,224	33,787	85	397
C W McGraw Elementary School (2)	42,683	6,659	36,024	0	36,024	85	424
James D Price School	11,983	0	11,983	0	11,983	85	141
Mary E Post Elementary School (3)	25,627	25,627	0	0	0	85	0
O C Johnson School	53,076	0	53,076	0	53,076	85	624
Palmcroft Elementary School	46,383	0	46,383	0	46,383	85	546
Pecan Grove Elementary School (2)	48,246	4,953	43,293	0	43,293	85	509
Roosevelt School	33,171	0	33,171	1,898	31,273	85	368
James B Rolle School (2)	43,926	0	43,926	0	43,926	85	517
Fourth Avenue Junior High School - Building 1005 Pro-rated (4)	14,512	0	14,512	0	14,512	85	171
Gwyneth Ham Elementary School (5)	64,749	64,749	0	0	0	85	0
Mary A Otondo Elementary School	95,497	0	95,497	9,190	86,307	85	1,015
Desert Mesa Elementary School	83,043	2,441	80,602	8,060	72,542	85	853
SFB-funded additional space at Alice Byrne through Def. Corrections (2)	3,046	0	3,046	0	3,046	80	38
SFB-funded Sunrise School	54,238	238	54,000	NA	54,000	80	675
<b>Total K-5</b>	<b>676,947</b>	<b>108,820</b>	<b>568,127</b>	<b>20,372</b>	<b>547,755</b>		<b>6,486</b>
Gila Vista Jr High School	80,329	3,600	76,729	0	76,729	95	808
R Pete Woodard Jr High School	82,866	5,402	77,464	0	77,464	95	815
Castle Dome Middle School	89,132	0	89,132	7,702	81,430	95	857
Alice Byrne Elementary School (2)	3,955	755	3,200	0	3,200	95	34
SFB-funded additional space at Alice Byrne through Def. Corrections (2)	554	0	554	0	554	80	7
George Washington Carver Elementary School (2)	6,366	0	6,366	222	6,143	95	65
C W McGraw Elementary School (2)	7,761	1,211	6,550	0	6,550	95	69
Mary E Post Elementary School (3)	12,814	12,814	0	0	0	95	0
Pecan Grove Elementary School (2)	8,772	900	7,872	0	7,872	95	83
James B Rolle School (2)	7,987	0	7,987	0	7,987	95	84
Fourth Avenue Junior High School - Excluding Building 1005	61,125	2,152	58,973	4,714	54,259	95	571
Fourth Avenue Junior High School - Building 1005 Pro-rated (4)	7,916	0	7,916	0	7,916	95	83
Ron Watson Middle School	41,288	41,288	0	0	0	95	0
SFB-approved project 003N (addl space at Ron Watson M.S.)	10,288	0	10,288	NA	10,288	80	129
<b>Total 6-8</b>	<b>421,151</b>	<b>68,122</b>	<b>353,029</b>	<b>12,638</b>	<b>340,391</b>		<b>3,604</b>

(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) K-6 school. Square footage is pro-rated assuming an equal distribution among grades K-6.

(3) Mary E. Post used to serve grades 4-6. SFB ratified reconfiguration of this school to District Administration on 8/21/09.

(4) Building 1005 at Fourth Avenue Junior High serves grades K-8. Square footage is pro-rated assuming an equal distribution among all grade levels.

(5) SFB approved the exclusion of this school on 3/7/12.

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

Local Funds Report  
Yuma Elementary District

12/1/2014

K-5 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Pecan Grove	5,853									
Modular addn to Desert Mesa	1,800									
Addition to Sunrise Elementary	238									
Cumulative Total	7,891	7,891	7,891	7,891	7,891	7,891	7,891	7,891	7,891	7,891
ADM Projections	5,462	5,353	5,321	5,228	5,193	5,187	5,177	5,209	5,309	5,392
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	109,233	107,052	106,417	104,561	103,850	103,747	103,537	104,185	106,189	107,841
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

6-8 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Gila Vista Junior High	3,600									
R. Pete Woodard	3,600									
Ron Watson M.S.	41,288									
Cumulative Total	48,488	48,488	48,488	48,488	48,488	48,488	48,488	48,488	48,488	48,488
ADM Projections	2,945	3,000	2,988	2,969	2,976	2,978	2,933	2,915	2,899	2,900
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	58,902	60,000	59,760	59,371	59,521	59,552	58,653	58,305	57,982	57,992
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.

LF Projects

'15 Capacity Yuma El

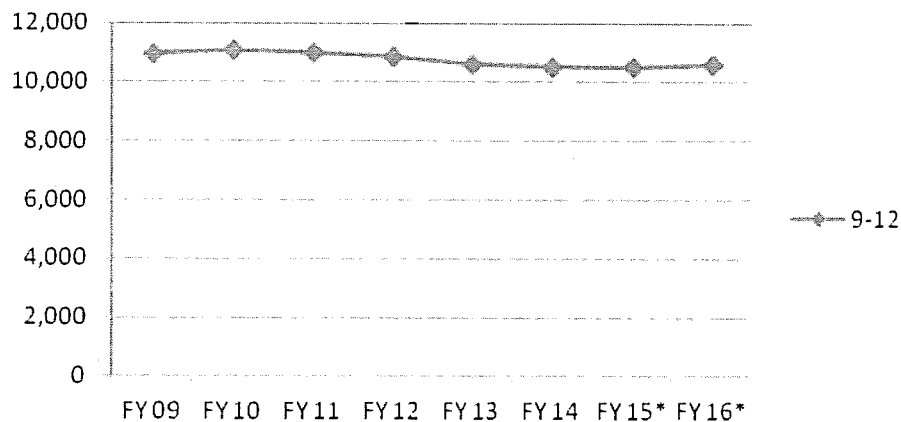
## Yuma Union High School District

### District Overview

Yuma Union High School District is located in the southern and southwestern part of Yuma County. Its main population centers are the cities of Yuma, San Luis, and Somerton. The District also covers large parts of unincorporated areas. Currently, the District has five high schools and two alternative schools, serving over 10,500 ADM.

### District ADM History

Over the past five years, the District's ADM experienced slight growth in the first year, but declined consistently in the following four years, resulting in a negative annualized growth rate of -0.8%.



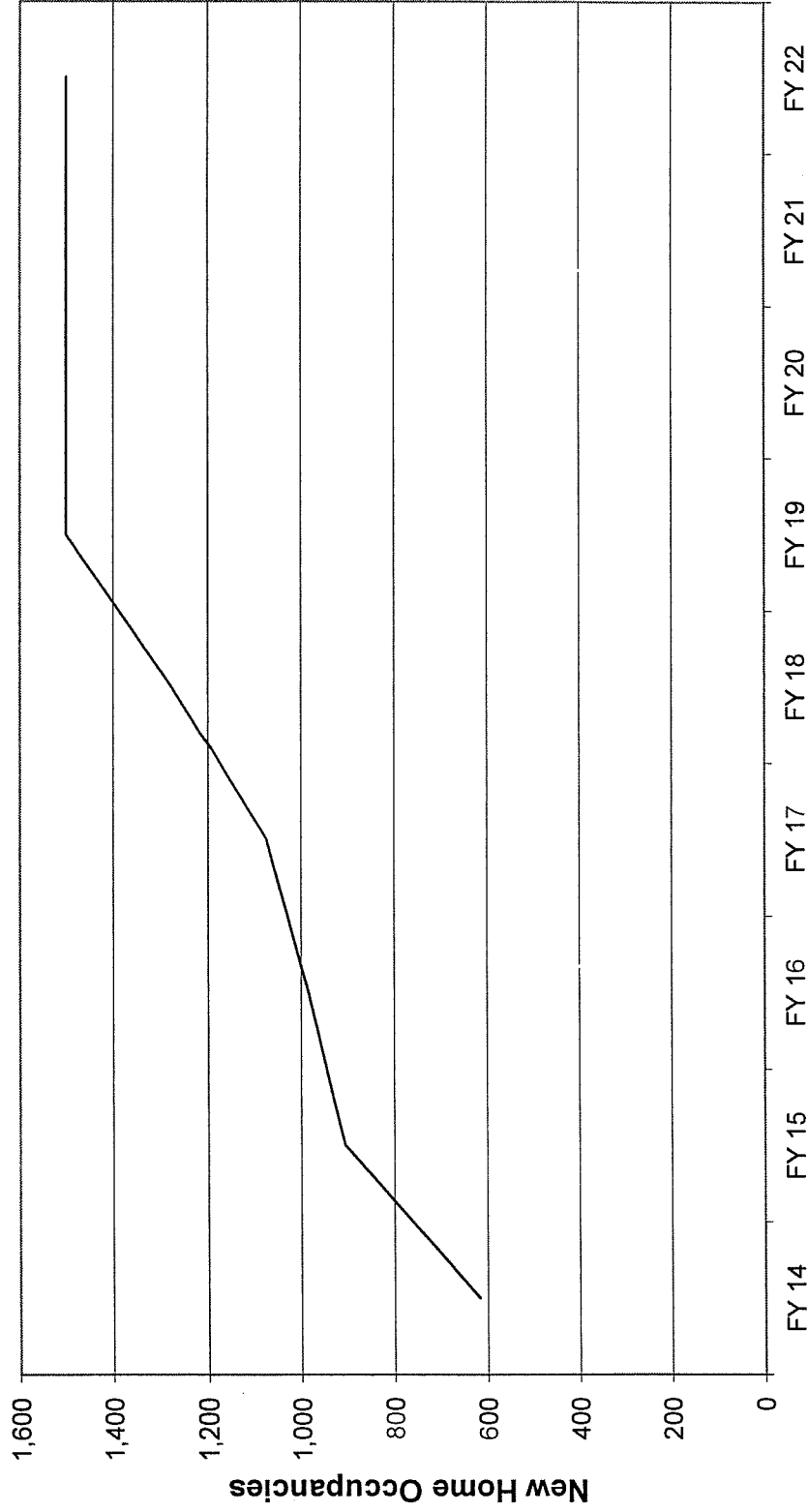
\*FY 15 and FY 16: ADM projections

### District Outlook

This year, the District's ADM is expected to have a slight decrease of 25 students. The five-year ADM decline is closely related to the overall ADM decrease experienced by the feeder elementary school districts during the last few years at both the K-6 and 7-8 levels. As the economy gradually picks up and more housing units are built, the District's ADM will likely start to experience growth. SFB staff projects that low growth rates will be the norm for the current projection cycle.



New Home Occupancies (1)  
Yuma Union School 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
617	906	985	1,075	1,275	1,500	1,500	1,500	1,500	10,858



# 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 Yuma Union District CTD – 140570 (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 1,800 students (Conceptual)	

**Staff Notes Regarding District's Request:** This project was not conceptually-approved last year.

### Staff Recommendation for December 10, 2014

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 1,800 students (Conceptual)

**Note: NO FUNDING IS COMMITTED TO CONCEPTUALLY-APPROVED PROJECTS. ALL CONCEPTUAL PROJECTS SUBJECT TO CHANGE.** Each of these projects will be reviewed again in the next Capital Plan cycle, and has the potential to be pushed back, eliminated, or modified.

**New Construction Analysis  
Yuma Union School District**

11/21/2014

9-12

<b>9-12</b>		FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)		11,667	11,667	11,667	11,667	11,667	11,667	11,667	11,667	11,667	11,667
<b>Total Student Capacity</b>		<b>11,667</b>	<b>11,667</b>	<b>11,667</b>	<b>11,667</b>	<b>11,667</b>	<b>11,667</b>	<b>11,667</b>	<b>11,667</b>	<b>11,667</b>	<b>11,667</b>

<b>District's ADM Projections</b>		<b>10,537</b>	<b>10,587</b>	<b>10,745</b>	<b>10,900</b>	<b>11,036</b>	<b>11,173</b>	<b>11,318</b>	<b>11,454</b>	<b>11,586</b>	<b>11,725</b>
ADM Growth Rate		-0.8%	0.5%	1.5%	1.4%	1.2%	1.2%	1.3%	1.2%	1.2%	1.2%
Number of Students for which new space is required (2)			-	-	-	-	-	-	-	-	58

<b>SFB Recommended ADM Projections</b>		<b>10,537</b>	<b>10,512</b>	<b>10,597</b>	<b>10,800</b>	<b>10,941</b>	<b>11,148</b>	<b>11,429</b>	<b>11,578</b>	<b>11,789</b>	<b>12,089</b>
ADM Growth Rate		-0.8%	-0.2%	0.8%	1.9%	1.3%	1.9%	2.5%	1.3%	1.8%	2.5%
Number of Students for which new space is required (2)			-	-	-	-	-	-	-	122	421

(1) See Square Footage and Capacity by School page.

(2) Difference between ADM projections and Total Student Capacity.

**DECEMBER 10, 2014 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
New school	9-12	1,800	125	225,000	2,394	FY 22

ADM Projections  
Yuma Union School District

11/21/2014

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
9 - 12	10,620	10,537	10,587	10,745	10,900	11,036	11,173	11,318	11,454	11,586	11,725
% change		-0.8%	0.5%	1.5%	1.4%	1.2%	1.2%	1.3%	1.2%	1.2%	1.2%

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
9 - 12	10,620	10,537	10,512	10,597	10,800	10,941	11,148	11,429	11,578	11,789	12,089
% change		-0.8%	-0.2%	0.8%	1.9%	1.3%	1.9%	2.5%	1.3%	1.8%	2.5%

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
9 - 12	10,620	10,555	10,602	10,673	10,855	10,959	11,080	11,291	11,364	11,440	11,653
% change		-0.6%	0.4%	0.7%	1.7%	1.0%	1.1%	1.9%	0.7%	0.7%	1.9%

ADM History  
Yuma Union School District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
9 - 12	10,979	11,070	10,992	10,856	10,620	10,537	
% change		0.8%	-0.7%	-1.2%	-2.2%	-0.8%	-0.8%

Square Footage and Capacity by School  
Yuma Union High School District

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
Cibola High School	259,140	0	259,140	22,857	236,283	109.5	2,158
District-funded addition to Cibola (bldg. 1014)	13,266	13,266	0	NA	0	94	-
Kofa High School (2)	288,056	23,536	264,520	16,357	248,163	109.5	2,266
Vista Alternative School	21,623	7,928	13,695	754	12,941	109.5	118
Yuma High School	289,401	840	288,561	28,692	259,869	109.5	2,373
Vista South Alternative School	30,478	30,478	0	0	0	109.5	-
SFB-funded San Luis High School (NC portion) (3)	210,376	0	210,376	NA	210,376	94	2,238
SFB-funded San Luis High School (DC portion) (4)	14,624	0	14,624	1,462	13,162	109.5	120
District-funded additional to San Luis (bldgs. 1015-1018)	34,248	34,248	0	NA	0	94	-
SFB-funded Gila Ridge School (opened FY 08) (5)	280,247	55,247	225,000	NA	225,000	94	2,394
<b>Total 9-12 Square Footage</b>	<b>1,441,459</b>	<b>165,543</b>	<b>1,275,916</b>	<b>70,122</b>	<b>1,205,794</b>		<b>11,667</b>

- (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 34,730 replacement SF built in FY 05 through Deficiency Corrections.  
(3) Although the district's square footage report indicated that 210,245 SF were built, the SFB funded 210,376 SF, and this entire amount counts against the district's capacity for this analysis.  
(4) This is replacement square footage funded through Deficiency Corrections. District chose to re-build this SF at San Luis rather than the original sites.  
(5) Excluded Area is square footage funded by district with B bonds.

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

Local Funds Report  
Yuma Union High School District

11/21/2014

9-12 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Vista South Alternative School	30,478									
Gila Ridge buildings 1001-1009	53,647									
Gila Ridge building 1010	1,600									
Kofa bldgs 1083 and 1084	21,736									
San Luis bldgs. 1015-1018 (FY 12)	34,248									
Cibola bldg. 1014 (FY 12)	13,266									
Cumulative Total	154,975	154,975	154,975	154,975	154,975	154,975	154,975	154,975	154,975	154,975
ADM Projections	10,537	10,512	10,597	10,800	10,941	11,148	11,429	11,578	11,789	12,089
x Minimum adequacy factor	94	94	94	94	94	94	94	94	94	94
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	247,615	247,021	249,027	253,812	257,113	261,976	268,581	272,081	277,044	284,089
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.



**Building Renewal Grants  
December 5, 2014**

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 *	(\$54,964,593)
Balance **	\$7,542,807
December 10, 2014 Awards	(\$880,389)
Balance **	\$6,662,418

The Board has awarded 636 projects.

41 projects are in design

250 projects are in construction

345 projects are complete

\* Includes projects authorized by Executive Director and presented to Board for ratification 12/10/14.

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

District	Project No.	Scope	Award	Amount Expended	Remaining Balance
Aguila ESD	002	HVAC	\$22,782	\$13,910	\$8,872
Aguila ESD	003	Roofing	\$13,000	\$3,293	\$9,707
Aguila ESD	004	Roofing	\$215,084	\$207,739	\$7,345
Amphitheater USD	001	HVAC	\$80,840	\$74,715	\$6,125
Casa Grande ESD	014	Special Systems	\$10,949	\$7,368	\$3,581
Casa Grande ESD	016	HVAC	\$12,407	\$11,406	\$1,001
Cave Creek USD	004	HVAC	\$49,920	\$49,920	\$0
Cedar USD	003	Special Systems	\$116,300	\$111,330	\$4,970
Cedar USD	007	Electrical	\$2,000	\$1,602	\$398
Gilbert USD	003	HVAC	\$43,180	\$40,180	\$3,000
Hayden-Winkelman USD	006	Roofing	\$17,000	\$10,739	\$6,261
Mingus UHSD	001	Plumbing	\$78,000	\$68,889	\$9,111
Mohave Valley ESD	015	HVAC	\$13,000	\$11,551	\$1,449
Mohave Valley ESD	019	Electrical	\$20,000	\$18,216	\$1,784
Nogales USD	014	HVAC	\$807	\$807	\$0
Phoenix ESD	003	Plumbing	\$62,942	\$41,864	\$21,078
Scottsdale USD	016	HVAC	\$41,299	\$39,298	\$2,001
Scottsdale USD	017	HVAC	\$1,896	\$1,896	\$0
Scottsdale USD	018	Plumbing	\$5,000	\$4,790	\$210
Scottsdale USD	019	HVAC	\$8,946	\$7,946	\$1,000
Scottsdale USD	020	HVAC	\$1,898	\$1,395	\$503
Scottsdale USD	021	HVAC	\$4,994	\$3,994	\$1,000
					<b>\$89,396</b>

**STATE OF ARIZONA  
SCHOOL FACILITIES BOARD**

**Meeting date: December 10, 2014**

**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  
Paloma Elementary  
Toltec Elementary  
Tucson Unified  
Wilson Elementary (2 requests)**

**Background – Colorado River Union (River Valley HS – repair fire alarm system)**

Colorado River Union has submitted a Building Renewal Grant request to repair the fire alarm notification power supply in the gymnasium Building 1009 at River Valley High School (project number 080502002-1009-018BRG).

Colorado River Union, located in Bullhead City, 269 miles northwest of Phoenix, has two 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 a proposal for the repairs in the amount of \$1,375.

**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 – repair fire alarm system)**

Staff recommends 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.

**Background – Coolidge Unified (Mountain Vista MS – replace water heater)**

Coolidge Unified has submitted a Building Renewal Grant request for the replacement of a 100-gallon water heater in the cafeteria/kitchen Building 1006 at Mountain Vista Middle School (project number 110221009-1006-013BRG).

Coolidge Unified, located 50 miles southeast of Phoenix, has ten schools. Mountain Vista Middle School is comprised of six buildings constructed in 2007, totaling 74,785 square feet. Building 1006 totals 10,398 square feet.

The district submitted a proposal in the amount of \$6,988 for the replacement.

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 MS – replace water heater)

Staff recommends 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.

Background – Paloma Elementary (Kiser ES – repair underground sewer line)

Paloma Elementary has submitted a Building Renewal Grant request to repair an underground sewer line at the gymnasium/kitchen Building 1002 at Kiser Elementary School (project number 070394001-1002-008BRG).

Paloma Elementary, located 10 miles west of Gila Bend, has one school. Kiser Elementary is comprised of four buildings constructed between 1950 and 1988, totaling 15,280 square feet. Building 1002 was built in 1981 totaling 5,400 square feet.

The district received a proposal to excavate and repair the blocked section of the sewer line in the amount of \$3,774.

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 - Paloma Elementary (Kiser ES – repair underground sewer line)

Staff recommends 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.

Background – Toltec Elementary (Toltec ES – replace main circuit breaker)

Toltec Elementary has submitted a Building Renewal Grant request for replacement of a 225 amp main circuit breaker for the cafeteria Building 1006 at Toltec Elementary School (project number 110422101-1006-003BRG).

Toltec Elementary, located 63 miles south of Phoenix, has two schools. Toltec Elementary School consists of 11 buildings constructed between 1935 and 1990, totaling 79,032 square feet. Building 1006 was built in 1970 totaling 8,103 square feet.

The replacement breaker cost \$1,032. District staff will replace the breaker.

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 – Toltec Elementary (Toltec ES – replace main circuit breaker)

Staff recommends 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).

**Background – Tucson Unified (Booth Magnet ES – replace 800 amp breaker at SES)**

Tucson Unified has submitted a Building Renewal Grant request for the replacement of an 800 amp main breaker at Booth Magnet Elementary School (project number 100201137-9999-014BRG).

Tucson Unified has 104 schools. Booth Magnet Elementary School is comprised of three buildings constructed between 1960 and 1990, totaling 32,289 square feet.

The district received a proposal in the amount of \$7,973 for the replacement of the breaker.

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 - Tucson Unified (Booth Magnet ES – replace 800 amp breaker at SES)

Staff recommends 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.

**Background – Wilson Elementary (Wilson PS – replace heat pump) Request 1 of 2**

Wilson Elementary has submitted a Building Renewal Grant requesting to replace a 3.5-ton water source heat pump that serves Room 606 at Wilson Primary School (project number 070407102-1001-006BRG).

Wilson Elementary, located in the Phoenix metropolitan area, has two schools. Wilson Primary School has one building constructed in 2009, totaling 29,260 square feet.

The lowest proposal to replace this unit was \$9,703.

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 – Wilson Elementary (Wilson PS - replace heat pump)**

Staff recommends 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.

**Background – Wilson Elementary (Wilson ES – replace mini split system) Request 2 of 2**

Wilson Elementary has also submitted a Building Renewal Grant request to replace the mini-split HVAC system that serves the server room in Building 1001 at Wilson Elementary School (project number 070407101-1001-007BRG).

Wilson Elementary, located in the Phoenix metropolitan area, has two schools. Wilson Elementary School is comprised of ten buildings constructed between 1986 and 2009, totaling 160,331 square feet. Building 1001 was built in 1986 totaling 18,000 square feet.

The lowest proposal for replacement of the mini split system is \$5,045.

**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 – Wilson Elementary (Wilson ES - replace mini split system)**

Staff recommends 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.

**Board Action Requested:** ☐ information ☒ action / described below

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.

**Attachments:** Yes ☒ 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: **080502002-1009-018BRG**  
Project Description: **Repair fire alarm system**  
Architect of Record: **n/a**  
Contractor: **Pro-Tech Building Systems (480-668-5888)**

Mohave County

Executive Authority: 11/24/2014  
Board ratification: 12/10/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost</b>		<b>\$ 1,375</b>
Contingency ①		<b>\$ 500</b>
Architecture / Engineering (A&E)		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		<b>\$ -</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 1,875</b>
District Share (Local Funds):		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 1,875</b>
<b>Total Project Cost:</b>		<b>\$ 1,875</b>

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:** 11/19/2014 4:43:45 PM

**Application ID:** 1656

**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 Frie

**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:** Fire Alarm

**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 Fire Alarm has a defective booster panel this is in the old gym, This controls the audio and visual devices. This needs to be repaired ASAP as we have a Tournament next month. This is a safety concern to the parents, staff and students as there are no operational audio or visual devices to warn in the event of a Fire. See attached Quote for needed repairs.

**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.

N/A

**Liaison:** Breuer

gbreuer@azsfb.gov

602-542-6139

  
Superintendent Printed Name

11/20/14

11/19/2014 4:43:45 PM

1

**Application ID:** 1656



# *Pro-Tech Building Systems*

London Corporation Contracting Division  
947 S. 48th Street, Suite 103  
Tempe, Arizona 85281  
(480) 668-5888 Fax: (480) 968-7992  
AZ License No.: ROC175672

## PROJECT QUOTATION SHEET

PROJECT: River Valley High School  
2250 E. Laguna  
Mohave Valley, Arizona 86440

DATE: November 18, 2014

RFQ #:

### FIRE ALARM SYSTEM REPAIRS

Replace Damaged Fire Alarm Notification Power Supply      SELL \$ 1,375.00 + Tax = \$ 90.00  
\$ 1,465.00

NOTES: This proposal is to replace an alarm notification power supply for the fire alarm system in the "old gym". After troubleshooting it has been determined the power supply needs to be replaced.

Please call us at (480) 668-5888 if you wish to review our proposal or are in need of a clarification.

SUBMITTED BY: Jason Greer  
Service Manager

Accepted By (Signature)

Date Signed

Accepted By (Print Name)

Billing Ref or PO Number

**SCHOOL FACILITIES BOARD****BUILDING RENEWAL GRANT**Detail of Additional Cost and Contingency  
\_X\_ Building Renewal Grant Fund**District:** **Coolidge Unified****BRG Project Number:** 110221009-1006-013BRG

Pinal County

**Project Description:** Replace water heater**Architect of Record:** n/a**Contractor:** McCook Boiler & Pump Co.**Executive Authority:** 12/2/2014**Board ratification:** 12/10/2014

<b>School Facilities Board Action Approved as recommended by Staff</b>		<b>Staff Rec. or Approved</b>
<b>Base Cost:</b> (cost estimate provided by architect or contractor)		<b>\$ 6,988</b>
<b>Contingency</b> ①		<b>\$ 400</b>
<b>Additional Cost:</b>		
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		<b>\$ -</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 7,388</b>
District or Local Funds:		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 7,388</b>
<b>Total Project Cost:</b>		<b>\$ 7,388</b>

① Contingency shall only be used with SFB staff approval.

**Building Renewal Grant Application**

**Initial Submission Date:** 12/1/2014 5:43:51 PM

**Application ID:** 1687

**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:** 1006 Building F

**Application Title:** Replace 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.

replace failed gas fired hot water heater in the cafeteria in order to comply with all food safety regulations and provide a sanitized environment for workers and students. workers need to properly sanitize their hands and utensils for foodservice.

**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.

water heaters are not covered by insurance.

**Liaison:** Cruse

pcruse@azsfb.gov

602-364-1193

Charie Wallace  
Superintendent Printed Name

Charie Wallace  
Superintendent Signature

12-2-14  
Date

## PROPOSAL

### McCOOK BOILER & PUMP COMPANY

PO BOX 26643  
1063 EAST 36TH STREET  
TUCSON, AZ 85726  
PH: 520-623-5788

2764 N. GREEN VALLEY PKWY # 395  
HENDERSON, NV 89014  
PH: 702-241-1690

FAX: 520-623-3776  
TOLL FREE 877-623-5788  
randy@mccookbp.com

#### Proposal Submitted To:

Name: Coolidge Schools  
Coolidge, AZ  
Attention: Angela  
Email: angela.smiley@coolidgeschools.org  
Phone/Fax: 520-723-2067

#### Work To Be Performed At:

Name: Boiler Room at Mountain Vista  
Middle School  
Date: 11/24/14

We hereby propose to furnish all the materials and perform all the labor necessary for the completion of:

**The installation of a Bradford White #BD100L1993N Hot Water Heater (natural gas fired). The price includes the removal of the old Water Heater, the placement of the new Water Heater, the connecting of the gas line, the connecting of the water lines to the system piping, the connecting of the vent stack, the electrical work, and putting the Water Heater into service.**

**Note: This work has been quoted to be done during normal working hours. This Water Heater is in our stock. The price below included the labor already done to determine the problem.**

All material is guaranteed to be as specified, and the above work to be performed in accordance with the drawings and specifications submitted for above work and completed in a substantial workmanlike manner for the sum of:

Dollars \$6,988.00

with payments to be made as follows:

#### 1/2 Down, Balance Due Upon Completion

Any alteration or deviation from above specifications involving extra costs, will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance upon above work. Workman's Compensation and Public Liability Insurance on above work taken out by McCook Boiler & Pump Co. Materials being replaced become the property of McCook Boiler & Pump.

Respectfully submitted: McCook Boiler & Pump Co.

Per: Randy Saxton  
Randy Saxton

AZ State License No. ROC 074412 L-04

NV State License No. 0048428 C-1A

#### ACCEPTANCE OF PROPOSAL

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

Accepted by \_\_\_\_\_ Signature \_\_\_\_\_

Date \_\_\_\_\_

**Prices quoted are subject to the system valves being in good enough condition to close the water off. Should they not work properly, there will be an additional charge to either repair or replace the valves.**

**SCHOOL FACILITIES BOARD****BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency

  X   Building Renewal Grant Fund**District:** **Paloma Elementary****BRG Project Number:** 070394001-1002-008BRG

Maricopa County

**Project Description:** Repair underground sewer line**Consultant:** n/a**Contractor:** Aguirre and Kin Inc.**Executive Authority:** 12/1/2014**Board ratification:** 12/10/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost:</b>		<b>\$ 3,774</b>
Contingency ①		<b>\$ 500</b>
<b>Additional Cost:</b>		
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		<b>\$ -</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 4,274</b>
District or Local Funds:		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 4,274</b>
<b>Total Project Cost:</b>		<b>\$ 4,274</b>

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:** 12/1/2014 2:49:01 PM

**Application ID:** 1683

**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:** Paloma Elementary District  
**Superintendent:** Kristin Turner  
**Contact Person:** Kristin Turner  
**Contact Phone Number:** 928-683-2588  
**Contact Email:** kturner@palomaesd.org  
**School Site:** Kiser Elementary School  
**Buildings:** 1002 Gym

**Application Title:** Plumbing

**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 a blocked underground sewer line.

**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:** Breuer

gbreuer@azsfb.gov

602-542-6139

Kristin Turner  
Superintendent Printed Name

Kristin Turner  
Superintendent Signature

12-1-14  
Date



Kristin Turner &lt;kturner@palomaesd.org&gt;

---

**Stopped up waste line**

---

aguirreandkininc@yahoo.com &lt;aguirreandkininc@yahoo.com&gt;

Mon, Dec 1, 2014 at 10:52 AM

To: Kristin Turner &lt;kturner@palomaesd.org&gt;

We have temporarily unplugged the line and placed a camera in the line to see what the real problem is.

There seems to be a noticeable spot that shows a belly or even a settlement of the pipe near the septic entry.

We propose to dig it up and fix this area back to were it should be.

The work to be performed will be done to code and industry standards. This repair however is narrowed to a 5ft area were we seen the camera view of the pipe depression.

Project Cost \$ 3,773.45

Total includes the previous snaking and jetting of the main line as well as the camera inspection.

Please advise me of your decision to proceed , thanks again Leo Aguirre.

Thanks again for your time and opportunity to bid on your project.

BRC

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

District: **Toltec Elementary**  
BRG Project Number: **110422101-1006-003BRG**  
Project Description: **Replace main circuit breaker**  
Architect of Record: **n/a**  
Contractor: **Rexel (520-836-0089)**

Pinal County

Executive Authority: 11/24/2014  
Board ratification: 12/10/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost:</b>		<b>\$ 1,032</b>
Contingency ①		\$ -
Architecture / Engineering		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		
<b>Total Additional Cost:</b>		<b>\$ -</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 1,032</b>
District Share (Local Funds):		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 1,032</b>
<b>Total Project Cost:</b>		<b>\$ 1,032</b>

① Contingency shall only be used with SFB staff approval.



**Building Renewal Grant Application**

**Initial Submission Date:** 11/21/2014 10:17:14 AM

**Application ID:** 1663

**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:** Toltec School District

**Superintendent:** Bryan McCleney

**Contact Person:** Hector Longoria

**Contact Phone Number:** 520-709-8763

**Contact Email:** hlongoria@toltecsd.org

**School Site:** Toltec Elementary School (formerly Toltec Middle School)

**Buildings:** 1006 Cafeteria

**Application Title:** Breaker 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.

The 225 main circuit breaker tied into the main switch gear is failing. This serves two walk in units, portion of the cafeteria and office.

**Project Category:** Electrical

**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.

None

**Liaison:** Demland

ddemland@azsfb.gov

602-542-6567

\_\_\_\_\_  
Superintendent Printed Name

\_\_\_\_\_  
Superintendent Signature

\_\_\_\_\_  
Date

**REXEL****INVOICE****BILL TO ADDRESS**

TOLTEC ELEMENTARY SCHOOL  
3315 N TOLTEC RD  
ELOY, AZ 85131-9680

**SHIP TO ADDRESS**

TOLTEC ELEMENTARY SCHOOL  
3315 N TOLTEC RD  
ELOY, AZ 85131-9680

**ORDER TYPE****ORDER DATE**

11/07/2014

**ORDERED BY**  
HECTOR**DATE SHIPPED**

11/18/2014

**PO NUMBER**

150081

**SALES REP.**

Henry Mejia 2105

**UPS/FEDEX TRACKING#****SALES ORDER****SHIP VIA**

DIRECT

**JOB NAME**

Discount amount is \$4.88  
If paid on or before 12/10/2014, pay \$1,026.37  
If paid after 12/25/2014, pay \$1,031.25

**Branch Contact Information**

520-836-0089

3011 N PIPER AVE  
CASA GRANDE, AZ 85122-7974

Line	Customer/Rexel Part Number	PO Line #	Quantity Ordered	Quantity Shipped	UNIT PRICE/Per	EXT PRICE	TAX Y/N
1	FPE DIRECT ITEM "Non Stock-Item/RGA Required" FPE NFJ631225		1	1	976.563/ea	976.56	

**REXEL**

PO Box 766, Attn: Credit Department  
Addison, TX 75001-0766

TOLTEC ELEMENTARY SCHOOL  
3315 N TOLTEC RD  
ELOY, AZ 85131-9680

**\*\* REPRINT \*\* REPRINT**

**Send Payments To:**  
**REXEL**  
**P. O. BOX 416443**  
**BOSTON, MA**  
**02241-6443**

CREDIT DEPARTMENT	SUBTOTAL	976.56
	TOTAL TAX	54.69
	SHIPPING & HANDLING	0.00
	PAYMENTS	0.00
Total Amount Due		1,031.25

Note: All invoiced items are subject to cash discounts. Discounts may be only be taken if your payment is received by the dates shown on the required payment schedule. A late charge

**PAYMENT TERMS: .5% 10th, PROX 25th**

**SCHOOL FACILITIES BOARD****BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency

  X   Building Renewal Grant Fund

District: **Tucson Unified**  
BRG Project Number: 100201137-9999-014BRG  
Project Description: Replace 800 amp breaker at SES  
Consultant: n/a  
Contractor: Sturgeon Electric Co. (520-647-8145)

Pima County

Executive Authority: 11/14/2014  
Board ratification: 12/10/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost:</b>		\$ <b>8,973</b>
Contingency ①		\$ <b>1,027</b>
<b>Additional Cost:</b>		
Architecture / Engineering (A&E) Fees		
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		\$ -
<b>Total SFB Funded Project Cost:</b>		\$ <b>10,000</b>
District or Local Funds:		\$ -
<b>SFB Board Approved Amount:</b>		\$ <b>10,000</b>
<b>Total Project Cost:</b>		\$ <b>10,000</b>

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:** 11/14/2014 1:40:04 PM

**Application ID:** 1371

**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:** Tucson Unified District  
**Superintendent:** Dr. H.T. Sanchez  
**Contact Person:** Marcus E. Jones  
**Contact Phone Number:** 520-225-4882  
**Contact Email:** marcus.jones@tusd1.org  
**School Site:** Booth Magnet Elementary School  
**Buildings:** 9999 School Wide

**Application Title:** 800 Amp Breaker 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.

During Preventative Maintenance inspection, the vendor determined that the existing 800 Amp Breaker needs to be replaced and has recommended that a new Eaton GRI breaker be used to eliminate the existing relay. Cost of testing the breaker and relays would exceed half of the cost of the replacement.

**Project Category:** Electrical

**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 does not have funding for this work within the current budget.

**Liaison:** Demland

ddemland@azsfb.gov

602-542-6567

DR. H.T. SANCHEZ  
Superintendent Printed Name

Marcus E. Jones  
Superintendent Signature FOR DR. H.T. Sanchez Date 11.14.14

11/14/2014 1:40:03 PM

**Application ID:** 1371



7/22/2014

Tucson Unified School District  
530 S. Norris Ave P.O. Box 40400  
Tucson, Arizona 85717

**PROJECT: TUSD Booth-Fickett Breaker Changeout**  
**ESTIMATE NO.: 1548-14-0329**  
**BID DATE: 7/22/2014**

Dear Edward Y. Gomez,

Sturgeon Electric is pleased to present our proposal, for the above referenced project, for the total amount of \$ 7,973.00.

**This Proposal Includes:**

1. Provide qualified electricians to perform maintenance and repair work on main switch gear equipment
2. Terms and conditions per mutually agreeable subcontract
3. Co-ordinate TEP shutdown of main switch gear line up
4. Perform a de-energized PM on switch gear lineup
  - a. Vacuum out sections
  - b. Clean tighten and torque all mechanical connections to proper torque
  - c. Exercise breakers, lube all mechanical points per manufactures specifications
5. Replace existing mechanical breaker and GFCI module with new electronic GFCI main breaker
6. Repair switch gear cabinet with steel filler plate

**This Proposal Does Not Include:**

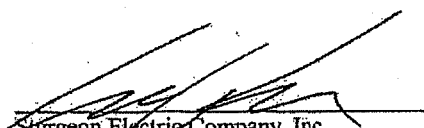
1. Bond costs, engineering fees
2. Overtime / off hour labor
3. Replacement of breakers other than one 600 amp molded case circuit breaker
4. Coordination study or arc flash study

**Qualifications - Pricing is based on:**

1. Work performed to current OSHA, NEC, NFPA70E, and NFPA70B standards for safety and electrical installation / maintenance
2. All work done during normal working hours
3. TEP shut down and reconnect
4. Infrared scan performed before and after preventative maintenance is performed
5. Replacement breaker is new and includes a warranty

Respectfully,

Accepted by,

  
Sturgeon Electric Company, Inc.

\_\_\_\_\_  
Tucson Unified School District

Casey Peck  
520.647.8145 (direct)  
520.237.9685 (cell)  
520.741.9144 (fax)  
cjpeck@myrgrgroup.com

**SCHOOL FACILITIES BOARD****BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency

 X  Building Renewal Grant Fund

District: **Wilson Elementary**  
Project Number: **130335102-1001-006BRG**  
Project Description: **Replace heat pump**  
Architect of Record: **n/a**  
Contractor: **Pueblo Mechanical (800-840-9170)**

Yavapai County

Executive Authority: **11/21/2014**  
Board ratification: **12/10/2014**

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost</b> (cost estimate provided by architect or contractor)		<b>\$ 9,703</b>
Contingency ①		<b>\$ 2,000</b>
Architecture / Engineering (A&E) Fees Lump Sum Fee @ 0.00% of Base Cost		
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection (structural and geo-tech)		\$ -
Inspection, Evaluation and Oversight of Remediation of Mold		\$ -
<b>Total Additional Cost:</b>		<b>\$ -</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 11,703</b>
District Share (Local Funds): ②		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 11,703</b>
<b>Total Project Cost:</b>		<b>\$ 11,703</b>

① Contingency shall only be requested and applied to unknown conditions.

**School Facilities Board**  
**SFB BR 900-08****BUILDING RENEWAL GRANT**  
**Project Application Form****Building Renewal Grant Application****Initial Submission Date:** 11/21/2014 9:47:12 AM**Application ID:** 1659**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:** Wilson Elementary District  
**Superintendent:** Antonio Sanchez  
**Contact Person:** Robert Church  
**Contact Phone Number:** 602.681.2200 ext 2008  
**Contact Email:** robert.church@wsd.k12.az.us  
**School Site:** Wilson Primary School  
**Buildings:** ~~9999~~ 1001 School Wide

**Application Title:** Water source Heat pump replacement room 606**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.

Head Start wing classroom heat pump, 3.5 ton unit coil is clogged and cannot be cleared, causing it to not cool.

**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

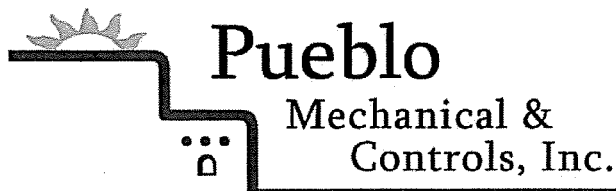
gbreuer@azsfb.gov

602-542-6139

Antonio A. Sanchez  
Superintendent Printed Name

[Signature]  
Superintendent Signature

11/21/14  
Date



# Pueblo

Mechanical &  
Controls, Inc.

(800) 840-9170

**REVISED PROPOSAL - Wilson Primary School WSHP Replacement**

Mohave JOC  
#14G-PMAC2-0903

PMC Proposal #: 14-10-027

**From:** Pueblo Mechanical and Controls, Inc.

**Date:** 11/21/2014

Attn: Robert Church  
Wilson Elementary School District # 7  
3025 E Fillmore Street  
Phoenix, AZ 85008

Dear Robert,

Pueblo Mechanical and Controls appreciates the opportunity to look at this project and is pleased to provide the following scope for Wilson Elementary HVAC Retrofit.

**Primary School Scope of Work:**

- Remove ceiling tile and grid for access to water source heat pumps for replacement.
- Disconnect existing electrical connections for (1) existing water source heat pump in Classroom 606 and make safe.
- Disconnect existing supply and return duct connections and supply and return condenser water connections.
- Remove and dispose (1) existing water source heat pump in Classroom 606 ceiling space.
- Provide and install (1) new standard efficient 3.5-ton water source heat pump in ceiling space, 460V/3PH.
- Provide and install new condenser water hose kits with auto flow regulator, pressure ports, ball valves, and 24" braided hoses, and connect to new unit.
- Reconnect existing supply and return ductwork to new water source heat pump. Provide new flexible connections and transitions as necessary.
- Route new copper condensate drain piping for new water source heat pump to nearest existing condensate drain piping.
- Reconnect existing electrical supply to new water source heat pump. Existing disconnect to be reused.
- Reconnect existing unitary controls to new units for new water source heat pump.
- Reconnect existing room temperature sensor to new water source heat pump.
- Reinstall ceiling grid and tiles as needed.

**General Inclusions:**

- Startup and test operation.
- Crane and rigging as required for installation.
- Provide traverse air side test and balance for (1) new water source heat pump.
- Provide labeling of equipment.
- Provide 2 year warranty.

**ALL PRICES QUOTED ABOVE ARE VALID FOR 120 DAYS**

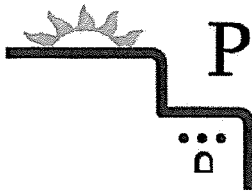
6771 E. Outlook Drive, Tucson, AZ 85756 • 11052 N. 24<sup>th</sup> Avenue, Phoenix, AZ 85029

Office - (800) 840.9170 • Fax - (888) 473-4374

[www.pueblo-mechanical.com](http://www.pueblo-mechanical.com)

AZ LIC: K-39 # ROC176640 • AZ LIC: B-01 # ROC173953 • AZ LIC: K-74 # ROC260462





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(800) 840-9170

**We Exclude The Following:**

- Repair or replacement of any existing device found to be inoperable.
- Engineering, permits and fees.
- Fire alarm system.
- Fire and/or combination fire/smoke dampers.
- Smoke detectors and/or interface with FACP.
- Controls integration.
- Structural analysis.
- Asbestos abatement, testing, reporting.
- Any work not included in scope of work listed above.

Complete material, service, and labor sub total:		\$	9,205.72
Mandated applicable taxes:	[5.395%]	\$	496.65
Bonding:	[N/A]	\$	0.00

<b>Total Cost:</b>		\$	<b>9,702.37</b>
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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.

We look forward to providing this important service please call if you have any questions.

Best Regards,

Dan Moon  
Pre Construction Services  
Cellular: (520) 668-5144  
dan@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
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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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**SCHOOL FACILITIES BOARD****BUILDING RENEWAL GRANT**Detail of Additional Cost and Contingency  
  X   Building Renewal Grant Fund

District: **Wilson Elementary**  
Project Number: **130335101-1001-007BRG**  
Project Description: **Replace mini split system**  
Architect of Record: **n/a**  
Contractor: **Pueblo Mechanical (800-840-9170)**

Yavapai County

Executive Authority: 11/21/2014  
Board ratification: 12/10/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost</b> (cost estimate provided by architect or contractor)		<b>\$ 5,045</b>
Contingency ①		<b>\$ 1,000</b>
Architecture / Engineering (A&E) Fees Lump Sum Fee @ 0.00% of Base Cost		
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection (structural and geo-tech)		\$ -
Inspection, Evaluation and Oversight of Remediation of Mold		\$ -
<b>Total Additional Cost:</b>		<b>\$ -</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 6,045</b>
District Share (Local Funds): ②		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 6,045</b>
<b>Total Project Cost:</b>		<b>\$ 6,045</b>

① Contingency shall only be requested and applied to unknown conditions.

**School Facilities Board**  
**SFB BR 900-08****BUILDING RENEWAL GRANT**  
**Project Application Form****Building Renewal Grant Application****Initial Submission Date:** 11/21/2014 10:01:40 AM**Application ID:** 1660**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:** Wilson Elementary District  
**Superintendent:** Antonio Sanchez  
**Contact Person:** Robert Church  
**Contact Phone Number:** 602.681.2200 ext 2008  
**Contact Email:** robert.church@wsd.k12.az.us  
**School Site:** Wilson Elementary School  
**Buildings:** 1001 4-8 Campus

**Application Title:** Server room mini split 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.

room 523 server closet mini split unit doesn't cool. Previous experience with a similar unit last summer tells us the unit should be replaced.

**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

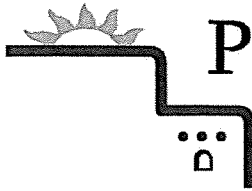
gbreuer@azsfb.gov

602-542-6139

Antonio A. Sanchez  
Superintendent Printed Name

[Signature]  
Superintendent Signature

11/21/14  
Date



# Pueblo

Mechanical &  
Controls, Inc.

(800) 840-9170

---

**REVISED PROPOSAL - Wilson Elementary Ductless A/C Replacement**

Mohave JOC  
#14G-PMAC2-0903

PMC Proposal #:14-10-027

---

**From:** Pueblo Mechanical and Controls, Inc.

**Date:** 11/21/2014

Attn: Robert Church  
Wilson Elementary School District # 7  
3025 E Fillmore Street  
Phoenix, AZ 85008

Dear Robert,

Pueblo Mechanical and Controls appreciates the opportunity to look at this project and is pleased to provide the following scope for Wilson Elementary HVAC Retrofit.

**Primary Scope of Work:**

- Disconnect existing electrical connections for (1) existing ductless split A/C unit located in closet of Classroom 523 and make safe.
- Remove and dispose (1) roof mounted condensing unit and indoor evaporator section with associated refrigerant piping located on second floor classroom.
- Provide and install (1) new wall mounted ductless evaporator sections in closet above door. Install remote wireless thermostat and
- Provide and install (1) new condensing unit on roof.
- Provide new base support for condensing unit on existing metal seam roof.
- Provide and install new refrigerant line sets from condensing units to indoor evaporator sections for new unit. Refrigerant piping to be insulated accordingly. Utilize existing penetrations as available.
- Reconnect existing electrical supply for outdoor condensing unit and indoor evaporator section.
- Provide new electrical breaker and additional leg for new (1) new 208V/1PH unit. Provide and install new electrical disconnect on roof for new condensing unit.

**General Inclusions:**

- Startup and test operation.
- Crane and rigging as required for installation.
- Provide labeling of equipment.
- Provide 2 year warranty.

**We Exclude The Following:**

- Repair or replacement of any existing device found to be inoperable.
- Engineering, permits and fees.
- Fire alarm system.
- Fire and/or combination fire/smoke dampers.
- Smoke detectors and/or interface with FACP.
- Controls integration.

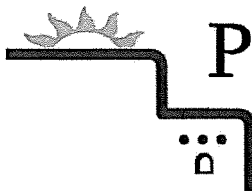
**ALL PRICES QUOTED ABOVE ARE VALID FOR 120 DAYS**

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(800) 840-9170

- Structural analysis.
- Asbestos abatement, testing, reporting.
- Any work not included in scope of work listed above.

Complete material, service, and labor sub total:		\$	4,758.87
Mandated applicable taxes:	[5.395%]	\$	258.20
Bonding:	[N/A]	\$	0.00

<b>Total Cost:</b>		\$	<b>5,044.07</b>
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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.

We look forward to providing this important service please call if you have any questions.

Best Regards,

Dan Moon  
Pre Construction Services  
Cellular: (520) 668-5144  
dan@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.

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**STATE OF ARIZONA  
SCHOOL FACILITIES BOARD**

**Meeting Date: December 10, 2014**

**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)**

**Gila Bend Unified (2 requests)  
Superior Unified**

**Background – Gila Bend Unified (Gila Bend ES – roof, wall and plumbing leak repairs)**

On September 3, 2014, the Board awarded Gila Bend Unified \$2,380 in Building Renewal Grant funding to assess and survey the condition of the existing water lines, roof and wall leaks in the music/library/art Building 1004 at Gila Bend Elementary School (project number 070224001-1004-010BRG).

The assessment found the building has roof leaks, as well as plumbing leaks. Some of the water lines both in the block walls and underground have rusted through and are leaking. The roof leaks can be patched.

Initial award 9/3/2014	\$ 2,380
Supplemental funding requested:	
Architectural design/bid/contract administration	\$ 17,850
Permits and testing	\$ 7,500
Structural/printing/mileage	\$ 2,135
Estimated construction costs	\$105,000
<u>Contingency</u>	<u>\$ 9,515</u>
Total requested:	\$142,000
 Total project cost:	 \$144,380

**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 – Gila Bend Unified (Gila Bend ES – roof, wall and plumbing leak repairs)**

Staff recommends 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.

On September 3, 2014, the Board awarded Gila Bend Unified \$2,150 for design services to repair the water/gas/electrical services to the science laboratory tables in the computer/science Building 1001 at Gila Bend High School (project number 070224002-1001-011BRG).

Initial award 9/3/2014	\$ 2,150
------------------------	----------

Architectural design/bid/contract administration	\$ 14,900
Structural/printing/mileage	\$ 1,850
Permits and testing	\$ 7,500
Estimated construction costs	\$ 85,000
<u>Contingency</u>	<u>\$ 9,500</u>
Total requested:	\$118,750

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

Staff recommends 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.

On June 25, 2014, the Board awarded Superior Unified \$35,000 in Building Renewal Grant funding for the engineering investigation, geotechnical reports, designs, repair estimates and construction administration for the structural repairs to Building 1001 at John F. Kennedy Elementary School (project number 110215101-1001-007BRG).

Initial award 6/25/2014	
Engineering investigation	\$ 32,000
<u>Contingency</u>	<u>\$ 3,000</u>
Total award:	\$ 35,000

Supplemental funding requested:	
Estimated construction costs	\$ 74,850
Add gutters/downspouts, rip-rap spillways and steel lintels over existing openings	\$ 18,000
Insurance and taxes	\$ 2,000
County/City permits	\$ 2,400
Contingency	\$ 10,000
Total additional funding requested	\$107,250
 Total project cost	 \$142,250

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 (John F. Kennedy ES – structural repairs)

Staff recommends 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.

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

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. 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.

**Attachments: Yes [ X ]      No [ ]**



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

District: **Gila Bend Unified**  
BRG Project Number: 070224001-1004-010BRG Maricopa County  
Project Description: **Roof, wall and plumbint leak repairs**  
Consultant: Orcutt/Winslow (Tim Scolaro 620-257-1764)  
Contractor: TBD

Board approval: 9/3/2014  
Supplemental award: 12/10/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost:</b>		<b>\$ 105,000</b>
Contingency ①		\$ 9,515
<b>Additional Cost:</b>		
Architecture / Engineering (A&E) Fees		\$ 20,230
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ 7,500
Testing & Inspection		\$ 2,135
<b>Total Additional Cost:</b>		<b>\$ 29,865</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 144,380</b>
District or Local Funds:		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 144,380</b>
<b>Total Project Cost:</b>		<b>\$ 144,380</b>

① Contingency shall only be used with SFB staff approval.

Arizona School Facilities Board  
Att: Gerry Breuer  
1700 West Washington Street  
Phoenix, AZ 85007

November 6, 2014

Re: Gila Bend Unified School District  
Subj: SFB Building Renewal Grant Application ID nos. 1384, 1385 and 1386 for Building K to address leaking water pipes, roofing problems and drain leaks, and water seeping through the perimeter walls in several locations.

Dear Gerry,

Per District request, we are providing a proposal to provide design services to address the referenced applications which includes the following:

Provision of full Architecture Services for the design and construction of this Project. This includes Architectural, Structural, Mechanical, Plumbing and Electrical Engineering services as required to design, prepare construction documentation, obtain agency approvals, assist Gila Bend Unified School District in bidding and negotiation of the contract for construction, and administration of the contract for work addressing the referenced Grant Applications. This includes the time associated with meetings and site visits for execution of the project: \$17,850

In addition to the Design fees listed above, we anticipate reimbursement for the following:

Destructive Testing of the roof including removal of sections of the ceiling at the underside of the roof structure: \$1,285  
Printing allowance: \$250  
Milage reimbursement: \$600

\$ 2,135

We estimate that the estimate for construction costs will be approximately \$105,000

Please let us know if the above is acceptable or if you have comments and questions. Thanks for the opportunity to propose on this project.

Sincerely,



Tim Scolaro

# orcutt | winslow

October 1, 2014

Gila Bend Unified School District  
Anna-Marie Perry  
Business Manager  
308 N. Martin  
Gila Bend, AZ 85337

Re: SFB Building Renewal Grant Application ID nos. 1384, 1385 and 1386 for Building K to address leaking water pipes, roofing problems and drain leaks, and water seeping through the perimeter walls in several locations.

Dear Anna Marie,

Attached please find photos from our investigative trip to review evidence of water penetration at exterior walls of Building K, as well as conditions related to problems with roof ponding/leaks and plumbing leaks in this building as well as a letter from Professional Consulting Engineers (PCE) dated September 24, 2014.

Moisture in masonry walls issue:

As you will see in the attached photos, in almost all cases, the moisture penetration begins at the top of the wall, not just part way down, serving as evidence that rather than being wind-driven rain that is penetrating horizontally from the exterior, it is entering the wall at the top and working its way down through the cells and masonry products. We also observed that in many instances, this moisture was particularly evident below vent holes in the exterior soffit, supporting the conclusions found in the attached report.

- I. Condition where the moisture comes through wall, midway rather than from the top. There may be something in the wall directing water to the interior at this point as this is not evident on the exterior.



# orcutt|winslow

2. More typical condition, where the moisture seems to be more evident at the top of the wall running down.



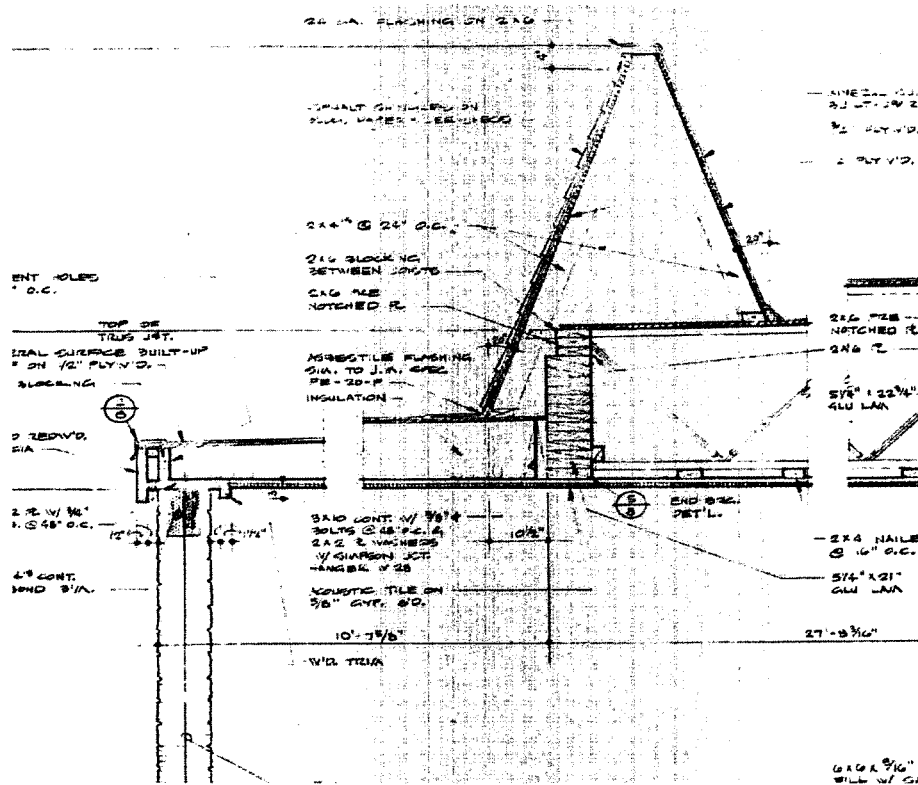
3. Moisture lines are in line with vent holes in the soffit above, indicating that moisture may be entering through those holes.



4. Another example where it is evident that moisture is entering at the top of the wall, typical in many locations.

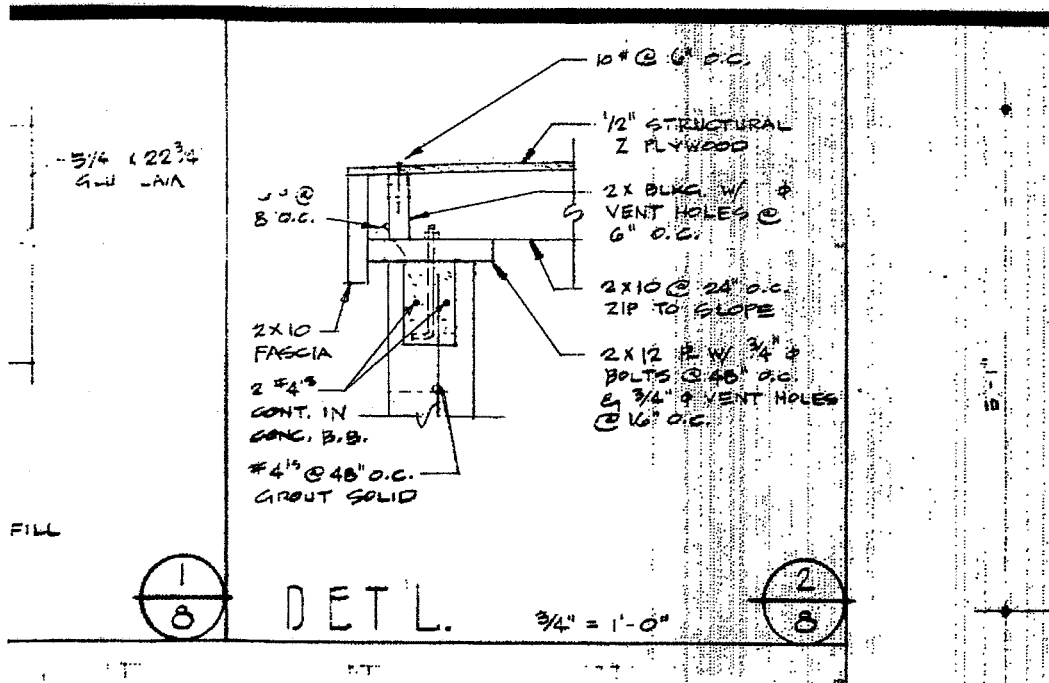


5. Detail at parapet wall and fascia at roof edge. Parapet configuration facilitates venturi effect, drawing air up from roof vents, creating suction at soffit vent holes.



ARCHITECTURE PLANNING INTERIOR DESIGN

6. Structural detail at top of wall. The drip edge at the edge of the roof as installed does not project out far enough to prevent water from running down the face of the fascia board and along the bottom to where it is drawn up into the soffit vent holes.



Our proposed solution for this would be to provide additional sheet metal with a pronounced drip edge to prevent water from wicking back towards the vent holes.

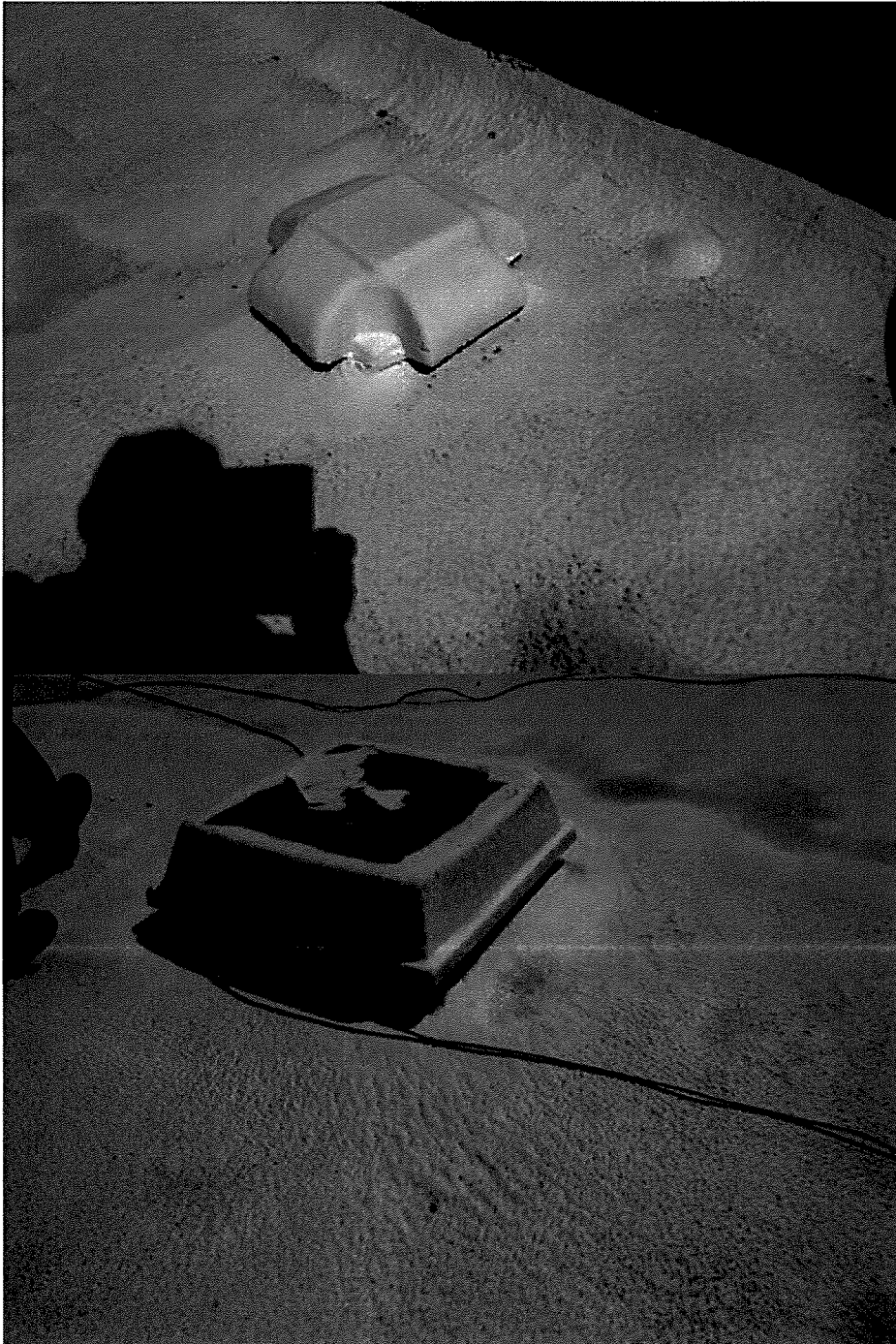
#### Roof Issues including ponding and water penetration:

A challenge in investigating roof leaks at building K is the fact that there is asbestos in the ceiling tile adhesive. While there are areas where water damage is evident, due to the fact that the roof sheathing slopes and the free water generally follows the slope, we cannot determine the roof leak location without removing material to allow examination of the underside of the roof. Due to the presence of asbestos in the ceiling tile adhesive, this needs to be abated prior to opening up the ceiling to allow a thorough investigation. Our recommendation for next steps in addressing roof leaks would be to perform such an investigation as part of the effort to develop bid documents to fix these conditions.

There are numerous conditions evident on the surface of the roof which do not meet generally accepted recommendations for ensuring a water tight roof installation. These are shown in the following photographs:

## orcutt|winslow

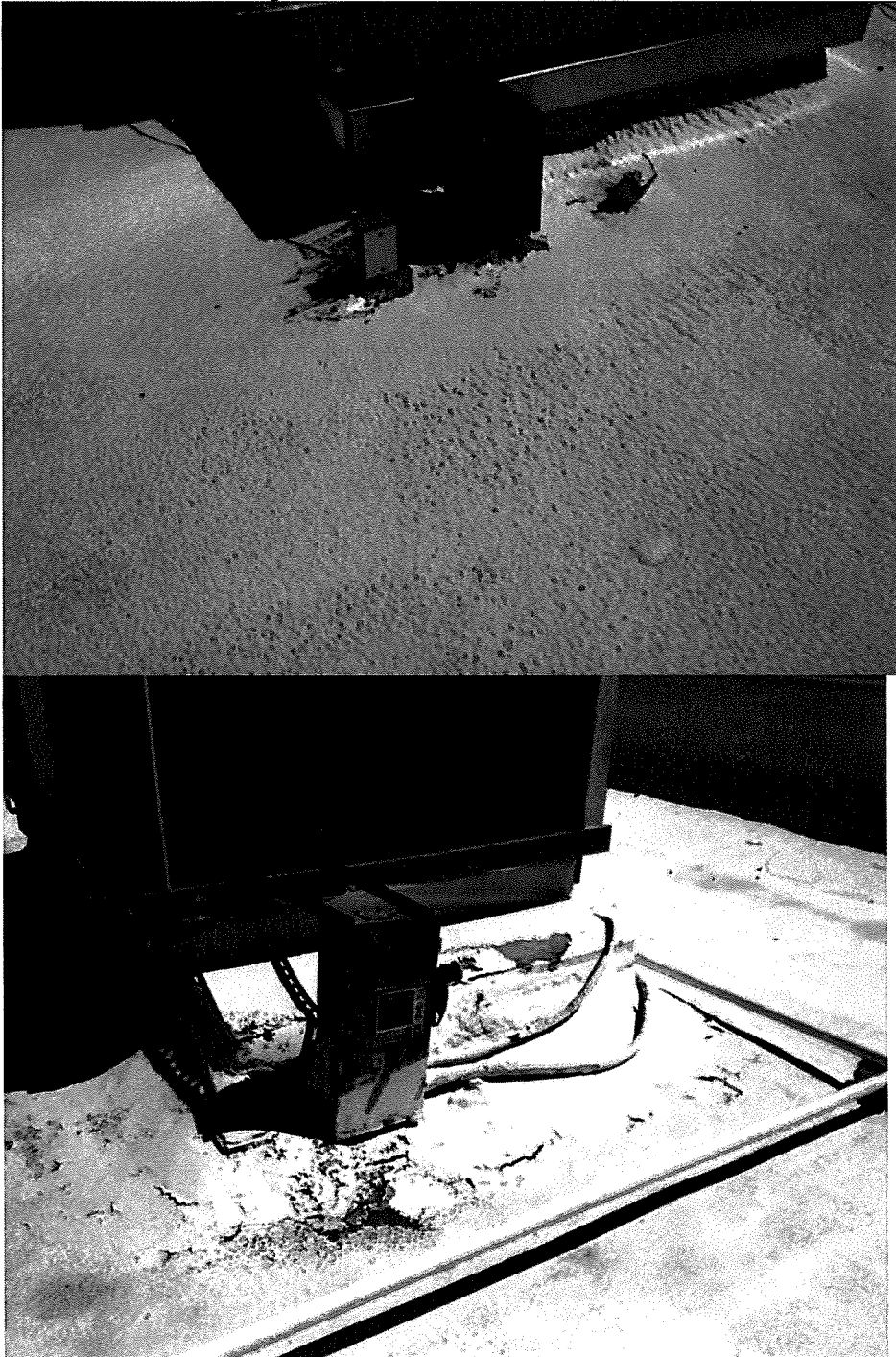
- I. Many of the curbs supporting equipment and ventilation caps are extremely short, possibly due to the addition of foam insulation over the original roof which raised the roof level. Any ponding or wind-driven rain does not have to go up very far to get over the top of the curb, so the opportunity for leaks is much greater than if curbs were higher. Variations of this condition occur in numerous locations.



PHOENIX MUMBAI SAN DIEGO  
ARCHITECTURE PLANNING INTERIOR DESIGN

3003 n central ave  
sixteenth floor  
phoenix az 85012  
602 257 1764 t  
602 257 9029 f  
[www.owp.com](http://www.owp.com)

2. Several penetrations are improperly sealed to the foam roof. The conduit and piping shown here run a very short distance to the box above, making them difficult to seal. Any leak in the box would allow ponded water into the conduit below. Note also the brown sealant used at some roof penetrations. Elastomeric sealants designed for use on white elastomeric roof coatings are ideally also white. There may be a compatibility issue, so this should be replaced, and boxes raised. There is also some coating deterioration evident around some items.



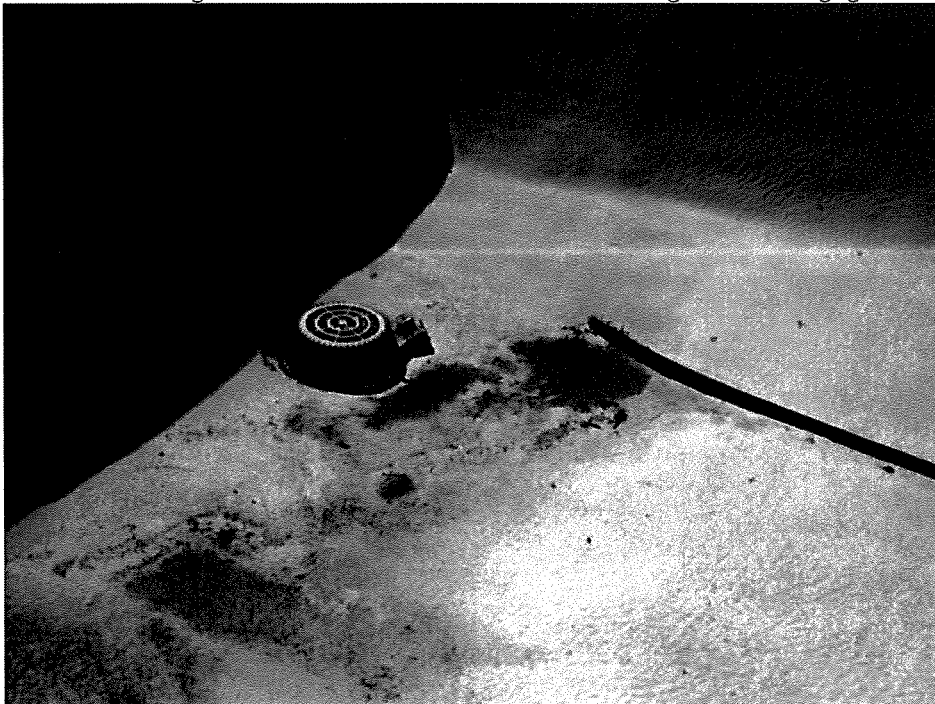


## orcutt|winslow

3. There are no overflow drains or scuppers on this roof within the confines of the equipment screen. Roof drains are located at numerous low points around the roof, but if they become plugged, there is no place for this water to go, and with the short curbs present nearby, the possibility of water backing up into the curbs exists.



4. Making matters worse, elastomeric coatings are deteriorating around several of the drains and many of the condensate drain pipes that at one time dumped into the drains now end short of the drain, so standing water is left on the surface of the roof, causing accelerated aging of the coating.



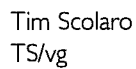
5. There are numerous areas where the elastomeric coating has deteriorated to the point where raw foam is exposed to the sunlight. The foam deteriorates very rapidly in the presence of UV light, so this condition must be addressed as soon as possible.



3003 n central ave  
sixteenth floor  
phoenix az 85012

602 257 1764 t  
602 257 9029 f

[www.owp.com](http://www.owp.com)





## Professional Consulting Engineers, Inc.

Mechanical and Electrical Engineers

9034 North 23<sup>rd</sup> Avenue, Suite 9B Phoenix, Az 85021

September 24, 2014

### **Orcutt Winslow Partnership**

3003 North Central Avenue, Sixteenth Floor  
Phoenix, Arizona

**Attn: Mr. Tim Scolaro**

Re: Gila Bend Elementary School Building K  
Water Damage and Pipe Leak Investigation  
PCE Job No. 14030A

Dear Mr. Scolaro:

The following review comments are conclusions of the investigation performed at the Gila Bend Elementary School Building K regarding exterior wall water damages and staining and several water and sewer piping related system failures.

1. The leak(s) of domestic water piping at one or more classroom sinks is likely due to the following conditions.

Underground copper piping appears to be Type L copper, soft drawn, run from the main building entry to various classroom sinks. These are cold water only fixtures. The piping at the leakage/failure locations rises to above the ground in the concrete block wall where it is looped with a tee and elbow to return the pipe to below grade to serve an exterior building hose bib. This is an inexpensive and common way to daisy chain water supplies to sinks and other water using devices. The hose bib served by this underground distribution system is one of three that are regularly used to provide lawn sprinkler water to a high water volume portable sprinkler head. We learned that it is necessary for the sprinkler head to be used for approximately 7 days a month, continuously for 24 hours per day to keep the landscaping from failing. This high water flow appears to have eroded the copper piping and more specifically the fittings in the walls where the water changes direction. This is a predictable failure condition based on observations experienced around Phoenix.

There is evidence of leaks in other locations not mentioned in the SFB report, likely due to the same reasons cited here.

One way to remediate the flow and associated wear problem would be to take the hose bibs off of the domestic water line serving classroom sinks and put in an underground hose bib loop connected to the 2" line serving the building and its associated fixtures. This could be run exterior to the building. The water supplies in the walls serving the other sinks should be reworked to replace any eroded copper piping and fittings.

2. Coincidental with the water leakage in the wall is a crack in the cast iron drain pipe that serves the sink where the leak in the copper supply line was discovered. The crack extends into

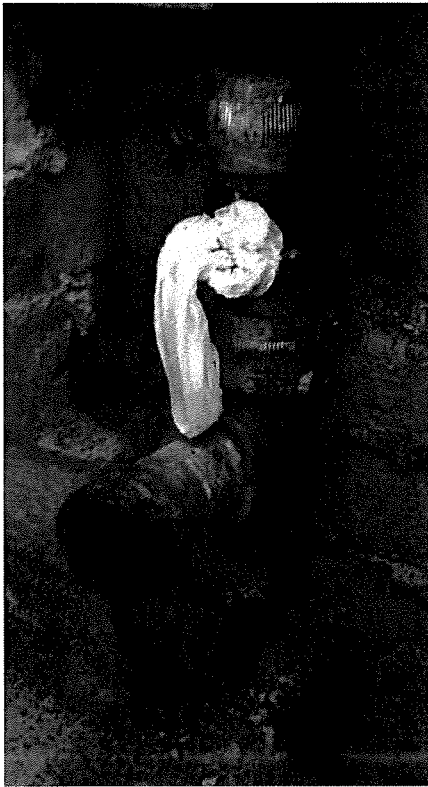
**Orcutt Winslow Partnership**

Re: Gila Bend Elementary School Bldg K- Water Damage and Pipe Leak Investigation  
PCE Job No. 14030A

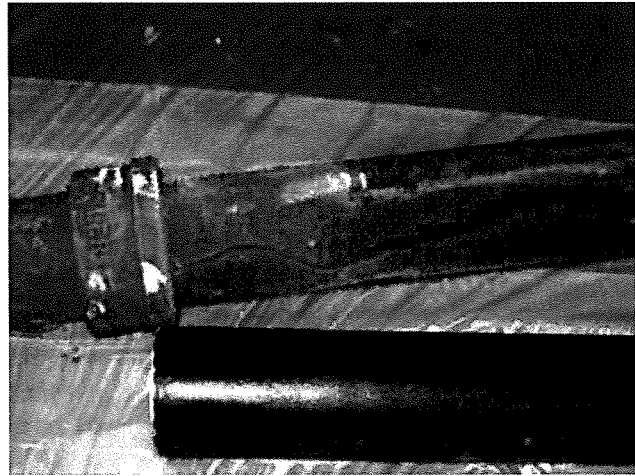
September 24, 2014

Page 2

the concrete slab/foundation which encapsulates the pipe, indicating this most likely is from corrosion, not mechanical damage. Exterior corrosive soil conditions and a recently discovered phenomenon known as Microbiologically Influenced Corrosion (MIC) could be sources for the pipe failure. Photographs of a high-rise condominium piping failure are included to help describe the failure potential of cast iron pipe. Also attached is a photo of the referenced pipe failure at the classroom sink location. Note the fracture below the stainless steel band clamp just above the floor.



This photo depicts the existing sink rough-in where the water leak occurred. Note the vertical crack in the waste pipe below the stainless steel band coupling above the floor. Also note the broke waste pipe above the sink sanitary tee in the block wall.



Exterior photo of waste pipe failure in High Rise Condominium in Phoenix

There is evidence that the existing waste piping below floor has experienced uncommon damage which should be investigated further. The age of the building and its evidence of below grade waste piping damage and deterioration substantiate a replacement of the piping system throughout the building.

**Orcutt Winslow Partnership**

Re: Gila Bend Elementary School Bldg K- Water Damage and Pipe Leak Investigation  
PCE Job No. 14030A

September 24, 2014

Page 3

3. The water evident in masonry walls is likely due to the following conditions.

The leaks occur only where the roof drains directly over the fascia boards down to grade. The fascia boards have a flashing along the top with a minimal leg that is insufficient to prevent water from flowing continuous down the fascia board. The roof attic is vented via holes in a narrow soffit running continuous directly behind the fascia board. Within the equipment parapet/screen walls, there are relief hoods provided to vent the attic via the holes in the soffits. During days when there is minimal air movement outside, the atmospheric (static) pressure remains effectively constant on all surfaces of the building, horizontal and vertical. During storm conditions, when wind velocities increase, the parapet/screen wall projections divert normal horizontal air flow up and over the roof, causing an increase in the velocity pressure above the equipment enclosure. This causes a coincidental static pressure reduction to the volume of space enclosing the mechanical equipment. This minor 'venturi effect' causes a low pressure region which induces air to flow from the holes in the narrow parapet, into the attic space and out through the relief hoods. This condition presents a strong likelihood that during a storm event air is actively drawn out of the attic high point while at the same time water flowing off of the roof perimeter is following the fascia board back to a point close to the holes in the narrow soffit. The term 'capillary action' may also be applied to this condition whereby water, which is wicking up the inside of the fascia boards is aided by the updraft in the narrow soffit contributed by negative pressure at the relief hoods.

There is a correlation between the location of vent holes at the soffits and evidence of water infiltration on the inside face of the masonry walls, leading us to believe that rainwater is actively being drawn into the vent holes, and into the top of the adjacent masonry bearing walls.

In order to address this, we would propose adding flashing and drips to move the water away from the vent holes and fascia board. It is also desirable for all surfaces of the fascia boards to be made non-absorbent and non-porous using suitable membrane materials or surface treatments.

If you have any questions regarding the attached information, please call me at our office.

Sincerely,

Richard S. Kurelowech, PE  
President  
PROFESSIONAL CONSULTING ENGINEERS, INC.



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

District: **Gila Bend Unified**  
BRG Project Number: 070224002-1001-011BRG Maricopa County  
Project Description: **Repair utilities to science laboratory**  
Consultant: Orcutt/Winslow (Tim Scolaro 620-257-1764)  
Contractor: TBD

Board approval: 9/3/2014  
Supplemental award: 12/10/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost:</b>		
Contingency ①		\$ 85,000
		\$ 9,500
<b>Additional Cost:</b>		
Architecture / Engineering (A&E) Fees		\$ 17,050
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ 1,850
Testing & Inspection		\$ 7,500
<b>Total Additional Cost:</b>		\$ 26,400
<b>Total SFB Funded Project Cost:</b>		\$ 120,900
District or Local Funds:		\$ -
<b>SFB Board Approved Amount:</b>		\$ 120,900
<b>Total Project Cost:</b>		\$ 120,900

① Contingency shall only be used with SFB staff approval.

Arizona School Facilities Board  
Att: Gerry Breuer  
1700 West Washington Street  
Phoenix, AZ 85007

November 6, 2014

Re: Gila Bend Unified School District  
Subj: SFB Building Renewal Grant Application ID no. 1001 for Building A to address gas, water and electrical service update/repairs necessary to make them safe for use in science rooms

Dear Gerry,

Per District request, we are providing a proposal to provide design services to address the referenced applications which includes the following:

Provision of full Architecture Services for the design and construction of this Project. This includes Architectural, Plumbing and Electrical Engineering services as required to design, prepare construction documentation, obtain agency approvals, assist Gila Bend Unified School District in bidding and negotiation of the contract for construction, and administration of the contract for work addressing the referenced Grant Applications. This includes the time associated with meetings and site visits for execution of the project: \$14,900

In addition to the Design fees listed above, we anticipate reimbursement for the following:

Electrical Testing allowance: \$1,000  
Printing allowance: \$250  
Milage reimbursement: \$600

\$1,850

We estimate that the estimate for construction costs will be approximately \$85,000

Please let us know if the above is acceptable or if you have comments and questions. Thanks for the opportunity to propose on this project.

Sincerely,



Tim Scolaro



# orcutt | winslow

October 1, 2014

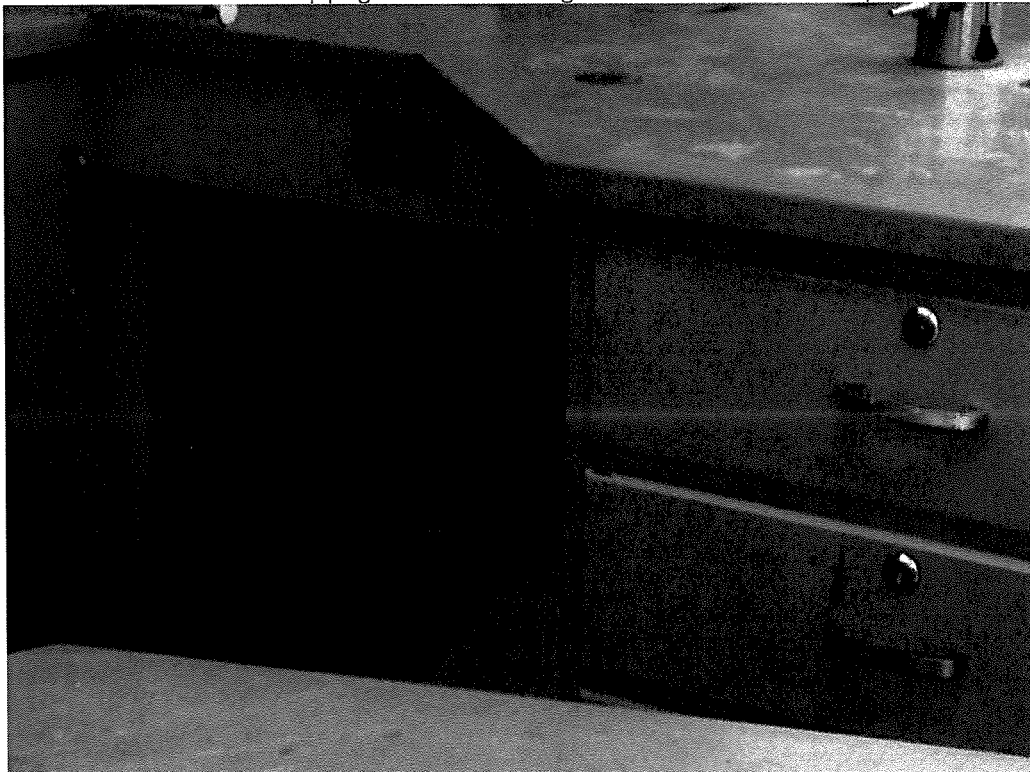
Gila Bend Unified School District  
Anna-Marie Perry  
Business Manager  
308 N. Martin  
Gila Bend, AZ 85337

Re: Gila Bend Unified School District  
Subj: SFB Building Renewal Grant Application ID no. 1001 for Building A to address gas, water and electrical service update/repairs necessary to make them safe for use in science rooms

Dear Anna Marie,

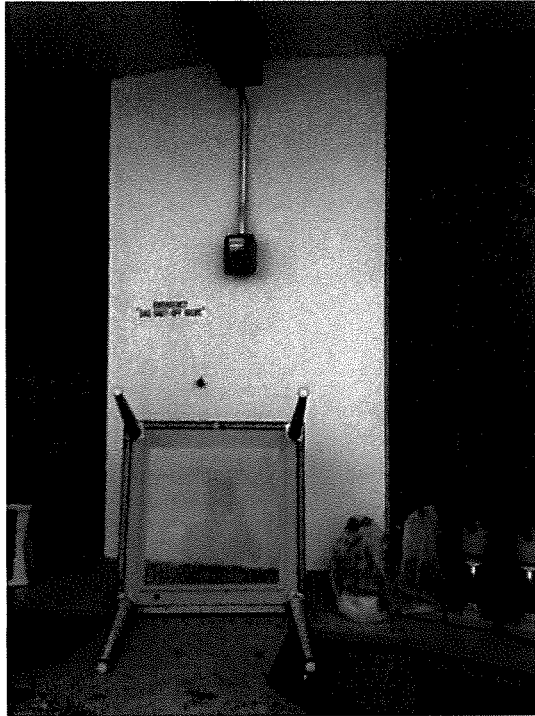
Attached please find photos from our investigative trip to review the condition of piping for gas and water in Building A science rooms on your campus as well as a letter from Professional Consulting Engineers (PCE) dated September 24, 2014. As you will see in the attached photos, the cabinets are in good shape and the piping is running exposed in many areas and within chases behind the casework, so the replacement of piping can occur without damaging the casework or countertops for the most part.

I. Condition where the piping is seen transitioning from a chase to a casework peninsula.



# orcutt | winslow

2. Existing emergency shut off valve locations are difficult to reach as they are in a remote corner of the classroom, away from the teacher station, over casework that impedes access.

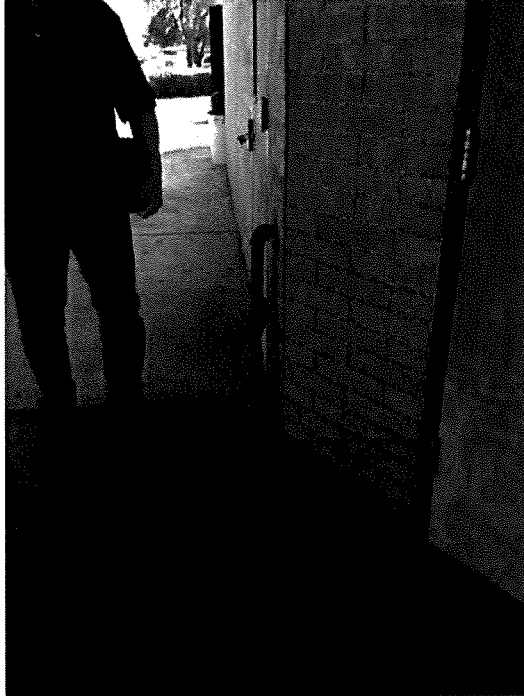


3. Moisture lines are in line with vent holes in the soffit above, indicating that moisture may be entering through those holes.



# orcutt | winslow

4. Point at which gas enters the building. There is evidence that gas line is encased in plastic piping below grade as required by code. This could be a point where a pressure test can be conducted.

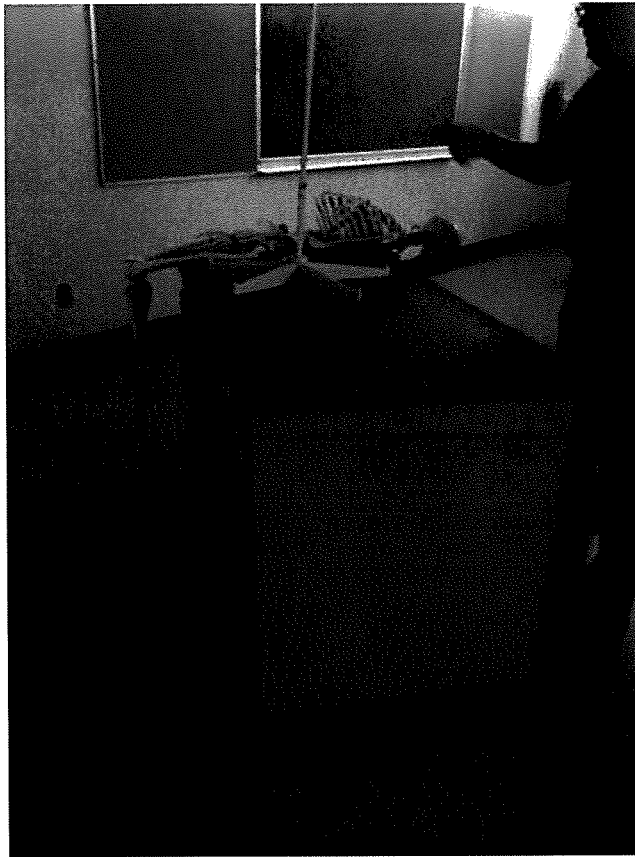


5. Note the rust evident above the valve in the gas line. This should also be addressed.



## orcutt | winslow

6. The teacher stations includes a gas valve, however it appears the piping is buried under the slab, not in an accessible trench as safety codes dictate.



Our proposed solution for this would be to ascertain if the system is still able to sustain pressure without leaking and determine if complete replacement is merited or if we only need to address code violations and evidence of deterioration. We would also have all electrical receptacles tested to determine if they are working and would provide bid documents to address deficiencies including revising some outlets to be on GFCI circuits where required by code. Additional information and recommendations are included in the attached letter. Please let us know if you wish to discuss this further or if we can be of assistance in developing bid documents to address this condition.

Sincerely,

Tim Scolaro  
TS/vg



## **Professional Consulting Engineers, Inc.**

Mechanical and Electrical Engineers

9034 North 23<sup>rd</sup> Avenue, Suite 9B Phoenix, Az 85021

September 24, 2014

### **Orcutt Winslow Partnership**

3003 North Central Avenue, Sixteenth Floor

Phoenix, Arizona

**Attn: Mr. Tim Scolaro**

Re: Gila Bend High School  
Science Lab Gas Piping Deficiency Investigation  
PCE Job No. 14030B  
SFB PO No. 15135

Dear Mr. Scolaro:

The following review comments are conclusions of the investigation performed at the Gila Bend High School.

1. The water and gas piping in the chemistry building classrooms has not been used for approximately 30 years. Gas piping serving the teacher's demonstration sink appears to be direct-buried under the floor of the classroom with no evidence of any kind of access trench, which is required under current codes. There is some rust evident in the supply piping from the pressure-reducing valve that serves this building and there is a strong possibility that after being inactive for so long, some of the connections and joints in the piping are no longer able to maintain a gas-tight seal. The emergency shut-off valve cabinets for the gas piping in classrooms are improperly located across the room from the teacher demonstration station. The student operated gas turrets are between the main emergency gas shut off valve, located above a counter on an exterior wall, and the teacher and the demonstration table, located interior to the classroom(s). In the event of a gas incident, the teacher will need to walk through the potential hazard location to access the valve, where it will not be readily available for shut-off. Reuse of the existing gas piping systems as they currently exist will introduce risk and liability to the users.

Prior to considering reuse of the existing gas piping system, all piping, fitting and components of the systems should be put under a 50 psi pressure test for a minimum of 4 hours to check for leaks. If any of the system components fails to be leak proof, the entire gas piping system should be replaced all the way back to the pressure-reducing valve and the emergency shut off should be relocated to a point next to the teacher station. The existing under-floor gas piping which serves the teacher demonstration table should be replaced with piping running in an accessible, vented trench. Do not consider reusing the direct buried gas piping as it is currently installed.

**Orcutt Winslow Partnership**

Re: Gila Bend High School - Science Lab Gas Piping Deficiency Investigation  
PCE Job No. 14030B

September 24, 2014

Page 2

If you have any questions regarding the attached information, please call me at our office.

Sincerely,

Richard S. Kurelowech, PE  
President  
PROFESSIONAL CONSULTING ENGINEERS, INC.

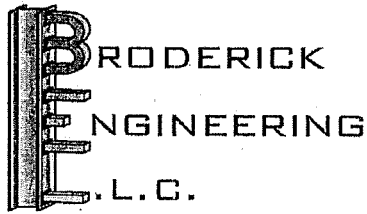


**SCHOOL FACILITIES BOARD****BUILDING RENEWAL GRANT**Detail of Additional Cost and Contingency  
  X   Building Renewal Grant Fund

District: **Superior Unified**  
BRG Project Number: **110215101-1001-007BRG** Pinal County  
Project Description: **Structural repairs**  
Architect of Record: Broderick Engineering, LLC (Greg S. Broderick, P.E. 480-926-6333)  
Contractor: TBD  
Board Approval Date: 6/25/2014  
Supplemental award: 12/10/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost</b>		<b>\$ 92,850</b>
Contingency ①		<b>\$ 13,000</b>
Architecture / Engineering (A&E) Fees		\$ 32,000
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ 4,400
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		<b>\$ 36,400</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 142,250</b>
District Share (Local Funds):		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 142,250</b>
<b>Total Project Cost:</b>		<b>\$ 142,250</b>

① Contingency shall only be used with SFB staff approval.



Civil & Structural Engineering Consulting

November 26, 2014

Mr. Patrick O'Donnell  
Superior Unified School District  
1500 Sunset Drive; Suite 101  
Superior, AZ 85173

Re: Kennedy Elementary School – 1500 Sunset Dr.; Superior, Arizona  
BE#14229

Patrick,

As requested, we have developed a construction cost estimate based on our preliminary drawings dated November 26, 2014. We anticipate construction to occur in a two-phase process with the purpose of phase 1 being to minimize water infiltration into soil below the building and the purpose of phase 2 being to make any necessary modifications to the building after the completion of phase 1 and the determination of its effect on the movement of the building. This cost estimate is for phase 1 only.

#### **Construction Overview - Phase 1**

The proposed construction consists of drainage improvements around the existing building in order to limit water infiltration into expandable and collapsible soils below the building. Included in the drainage improvements are new gutters and downspouts, new concrete sidewalk adjacent to the building, and new shallow retention basins on the north side of the building. Also included are new steel lintels at (3) separate locations over existing openings where wall cracks have developed.

#### **Construction Overview - Phase 2 (For Information Only)**

Anticipated construction for phase 2 includes potential remediation measures such as underpinning foundations and/or pressure grouting foundations. The locations and extents of potential remediation work will be determined at the completion of the building monitoring process (and after the completion of phase 1 construction). Additional building monitoring may be required to determine the effects of the phase 1 construction, as the current building monitoring contract



extends for a total of 1 year. Also anticipated in phase 2 is a new main entry door & window system to be designed and constructed after building movement has either been minimized or has ceased.

**Line Item Cost Estimate (Phase I Construction Only)**

- Construction Base Price (per preliminary drawings and attached cost estimate by Canyon Building & Design) = \$74,850
- Gutters & Downspouts at south side of building (to be added to the Phase I construction documents) = \$12,000
- Grouted rip-rap spillway at west end of drainage pipes = \$2,000
- Steel Plate Lintel at north main entry = \$4,000
- Increased G/L Insurance, OH&P, & Taxes = \$2,000
- Pinal County Fees (Permitting, Plan Check, Dust Permitting) = \$400
- Securing of Permits = \$2,000

**Total Cost Estimate (Phase I Construction Only) = \$97,250**

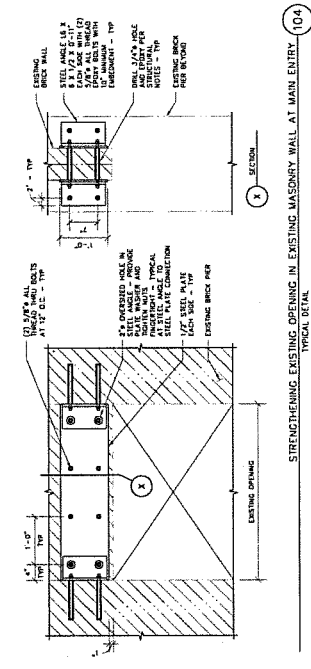
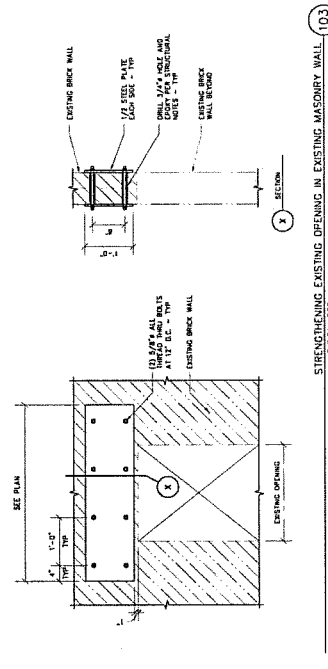
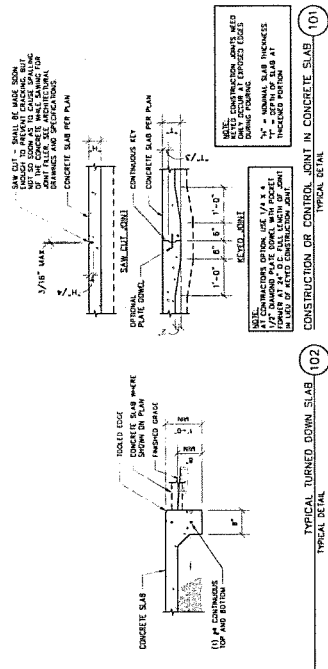
Sincerely,  
Broderick Engineering LLC



Ryan Wendt, S.E., M.S.  
Senior Engineer

1. DESIGN CRITERIA
  - A. ALL CONSTRUCTION SHALL CONFORM TO THE 2012 EDITION OF THE INTERNATIONAL BUILDING CODE.
  - B. ROOF:
    - 1. ROOF LIVE LOAD = 20 psf (REDUCIBLE)
    - 2. MINIMUM DESIGN WIND SPEED = 110 MPH
2. DETAILS AND NOTES ON DRAWINGS SHALL TAKE PRECEDENCE OVER SPECIFICATIONS. IF THERE ARE CONFLICTS BETWEEN THE SPECIFICATIONS AND NOTES AND/OR DETAILS, WHERE NO SPECIFIC CONFLICT IS IDENTIFIED, THE SPECIFICATIONS SHALL CONTROL. IF A SPECIFIC CONFLICT IS IDENTIFIED, THE NOTES AND/OR DETAILS SHALL CONTROL ON THE PROJECT.
3. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS. IF THERE ARE DISCREPANCIES, THE CONTRACTOR SHALL MAKE THE CORRECTIONS AND NOTIFY THE ARCHITECT IMMEDIATELY.
4. DETAILS UNLESS TYPICAL MAY NOT BE CUT ON PLANS, BUT SHALL APPEAR UNLESS OTHERWISE NOTED.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO, SHORING, BRACING, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, INCLUDING, BUT NOT LIMITED TO, SHEDDING, BRACING, AND SOFTENING. OBSERVATION VISITS OF THE PROJECT SHALL BE SCHEDULED AT THE SITE BY THE STRUCTURAL ENGINEER PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE PROJECT AND THE PROTECTION OF THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE PROJECT AND THE PROTECTION OF THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE PROJECT AND THE PROTECTION OF THE SITE.
6. CONSTRUCTION MATERIALS SHALL BE SPECIFIED OUT IF PLACED ON THE FRAMED ROOF OR FLOORS. THE LOAD SHALL NOT EXCEED THE DESIGN LOADS SPECIFIED IN THE SPECIFICATIONS.
7. STRUCTURE: THE DO NOT INDICATE THE MEANS OR METHOD OF CONSTRUCTION.
8. ALL SLABS AND FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED SOIL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE SOIL BEARING CAPACITY AND TO DETERMINE WHETHER THE SOIL BEARING CAPACITY IS SUFFICIENT TO SUPPORT THE STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE SOIL BEARING CAPACITY AND TO DETERMINE WHETHER THE SOIL BEARING CAPACITY IS SUFFICIENT TO SUPPORT THE STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE SOIL BEARING CAPACITY AND TO DETERMINE WHETHER THE SOIL BEARING CAPACITY IS SUFFICIENT TO SUPPORT THE STRUCTURE.
9. LAP SPACES FOR REINFORCING IN CONCRETE SHALL BE 48 BAR SPACES FOR CONCRETE BARS TO MATCH AND LAP HORIZONTAL REINFORCING AT INTERSECTIONS AND CORNERS IN CONCRETE.
10. MATERIALS SPECIFICATIONS:

PLAN ABBREVIATIONS			$E = 100^{\circ}-0^{\circ}$
TOP	TOP OF FOOTING	REFERENCED FROM	$E = 100^{\circ}-0^{\circ}$
DOB	TOP OF BEAM	REFERENCED FROM	$E = 100^{\circ}-0^{\circ}$
BOB	TOP OF SOLE OF BEAM	REFERENCED FROM	$E = 100^{\circ}-0^{\circ}$
WF 1-6	WALL FOOTING DESIGNATION		
F 1-3	FOOTING DESIGNATION		
C 4-4	COLUMN DESIGNATION		
J1	JOST DESIGNATION		
B1	BEAM DESIGNATION		
M1	MASONRY UNITS DESIGNATION		
FEE	FINISHED FLOOR ELEVATION		
C	CONCRETE ELEVATION		
FC	FINISHED GRADE ELEVATION		
SB8	SHALLOW RETENTION BASIN ELEVATION		



PROJECT NAME: KENNEDY ELEMEN  
PROJECT ADDRESS: 1500 W. SUNSET DRIVE  
SUPERIOR, AZ 85173

JOB NO.: 14229  
DRAWN: JG  
CHECKED: RMW  
SCALE: AS SHOWN  
DATE: 11.26.14



**BREIDENBACH**  
**R. D. RICK**  
**ENGINEERING**  
**LLC.**  
BREIDENBACH ENGINEERING LLC.  
3275 S. MIL RD., SUITE 211  
TUCSON, AZ 85741  
TEL: 520-887-9400  
FAX: 520-887-9400

STRUCTURAL  
NOTES AND  
DETAILS

0015



REVISIONS:

Project Name: KENNEDY ELEMENTARY SCHOOL  
 Project Address: 1600 W. SUNSET DRIVE  
 City: PHOENIX, AZ 85173

Job No.: 14229  
 Drawn: JG  
 Checked: RMW  
 Scale: AS SHOWN  
 Date: 11.26.14



THE DRAWING AND ALL EXHIBITS HEREON ARE THE PROPERTY OF Roderick Engineering LLC. NO PART OF THIS DRAWING OR ANY INFORMATION CONTAINED HEREIN IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF Roderick Engineering LLC.

**RODERICK ENGINEERING LLC.**

3075 E. McDowell Rd., Suite 111  
 Phoenix, AZ 85034  
 Phone: (602) 998-7910  
 Fax: (602) 998-7915

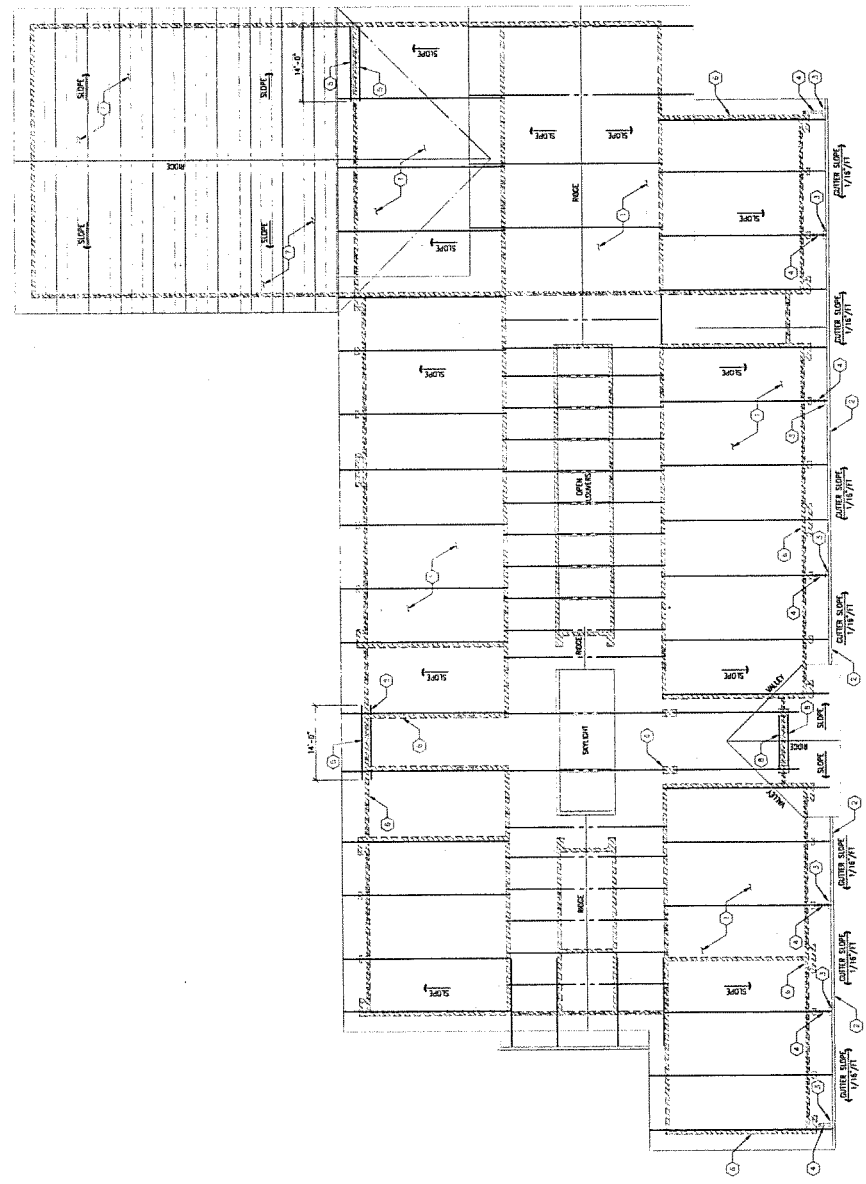
SHEET TITLE: ROOF FRAMING PLAN

**S300**  
 SHEET OF

**FRAMING PLAN NOTES**

- EXISTING WOOD BEAMS OVER WOOD TRUSSES TO REMAIN - TYPICAL
- NEW 5" WIDE X 8" TALL PRE-FINISHED 26 GAUGE SEAMLESS OUTER SCUPPER BOX
- NEW 1"-8" LONG X 1'-0" WIDE X 1'-0" TALL PRE-FINISHED 26 GAUGE SCUPPER BOX
- NEW 5" LONG X 4" WIDE PRE-FINISHED 26 GAUGE DOWN SPOUT WITH (1) 20 GAUGE WALL STRAP EVERY SPACED
- NEW 1/2" X 1/2" STEEL PLATE UNDER EACH BOX WITH (3) 5/8" X 1/2" ANCHOR BOLTS AT 12" O.C. PER TYPICAL DETAIL D31 - DISCONTINUE PLATE AT INTERIOR MASONRY WALLS AS REQUIRED
- EXISTING BRICK WALLS/PARTS TO REMAIN - TYPICAL
- EXISTING PLYWOOD ROOF SHEATHING OVER WOOD TRUSSES TO REMAIN - TYPICAL
- NEW 1/2" X 1/2" STEEL PLATE UNDER EACH BOX WITH (3) 5/8" X 1/2" ANCHOR BOLTS AT 12" O.C. PER TYPICAL DETAIL D31 - DISCONTINUE PLATE AT INTERIOR MASONRY WALLS AS REQUIRED

NOTE: EVERY EFFORT HAS BEEN MADE TO DETERMINE AS-BUILT CONDITIONS AND VERIFY THE LOCATION OF RECORDS IF IT IS NOT POSSIBLE TO VERIFY THE LOCATION OF RECORDS, THE LOCATION OF RECORDS WILL BE NOTED AND REFERENCED ON THESE DRAWINGS.



**ROOF FRAMING PLAN**  
 SCALE: 3/8" = 1'-0"

**STATE OF ARIZONA  
SCHOOL FACILITIES BOARD**

**Meeting Date: December 10, 2014**

**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)**

Beaver Creek Elementary (2 requests)  
Bonita Elementary  
Canon Elementary  
Humboldt Unified  
Snowflake Unified (2 requests)  
Tolleson Elementary  
Tucson Unified (2 requests)  
Young Elementary

**Background – Beaver Creek Elementary (Beaver Creek ES – replace heaters)**

Beaver Creek Elementary has submitted a Building Renewal Grant request to replace the gas heaters in the gymnasium/cafeteria Building 1005 at Beaver Creek Elementary School.

Beaver Creek Elementary, located 100 miles north of Phoenix, has one school. Beaver Creek Elementary School is comprised of eleven buildings constructed between 1932 and 1999, totaling 51,491 square feet. The Building 1005 was built in 1984, totaling 11,833 square feet.

SFB staff visited the site and found the heating units with safety issues (cracked heat exchangers). The district requested a proposal from a mechanical engineer for design/construction administration/construction cost estimate to make the required replacement.

The engineer provided a proposal for the design/construction administration for \$5,000 and an estimated construction cost of \$25,000.

**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 – Beaver Creek Elementary (Beaver Creek ES – replace heaters)**

Staff recommends 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.

**Background – Beaver Creek Elementary (Beaver Creek ES – replace evaporative coolers)**

Beaver Creek Elementary has submitted a Building Renewal Grant request to replace the evaporative coolers serving the gymnasium/cafeteria Building 1005 at Beaver Creek Elementary School.

Beaver Creek Elementary, located 100 miles north of Phoenix, has one school. Beaver Creek Elementary School is comprised of eleven buildings constructed between 1932 and 1999, totaling 51,491 square feet. The Building 1005 was built in 1984, totaling 11,833 square feet.

SFB staff visited the site and found the 30 year old evaporative units rusted and working inefficiently for the purpose of cooling the building. The district requested a proposal from their mechanical engineer to correct the situation.

The engineer provided a proposal for the design/bid/construction administration in the amount of \$10,000 and an estimated construction cost of \$45,000.

#### 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 – Beaver Creek Elementary (Beaver Creek ES – replace evaporative coolers)

Staff recommends 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.

#### Background – Bonita Elementary (Bonita ES – replace bleachers)

Bonita Elementary has submitted a Building Renewal Grant request to replace the bleachers in the administration/classroom/multipurpose Building 1001 at Bonita Elementary School.

Bonita Elementary, located 100 miles east of Tucson, has one school. Bonita Elementary School is comprised of twelve buildings constructed between 1950 and 2011, totaling 27,239 square feet. Building 1001 was built in 1969, totaling 10,000 square feet.

The existing bleaches are 45 years old, unable to retract, and the wood seating is splintering. An insurance inspection also noted the bleachers do not comply with current code. They lack safety rails and ADA compliance.

The district requested proposals to replace the old bleachers and received a low bid in the amount of \$16,358.

#### 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 – Bonita Elementary (Bonita ES – replace bleachers)

Staff recommends 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.

**Background – Canon Elementary (Canon ES – replace HVAC unit)**

Canon Elementary has submitted a Building Renewal Grant request to replace the failed 5-ton heat pump unit serving the gymnasium Building 1002 at Canon Elementary School.

Canon Elementary, located 45 miles north of Phoenix, has one school. Canon Elementary School is comprised of three buildings constructed between 1982 and 2001, totaling 36,790 square feet. Building 1002 was built in 1989 totaling 13,823 square feet.

Staff visited the school site and found the HVAC unit to be inoperable. It is the last of the four units serving the gymnasium that has not been replaced.

The district requested proposals; the lowest responsive proposal received was \$4,829.

**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 work.

**Staff Recommendation – Canon Elementary (Canon ES – replace HVAC unit)**

Staff recommends 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.

**Background – Humboldt Unified (Bradshaw Mountain HS – roof repairs)**

Humboldt Unified has submitted a Building Renewal Grant request for roof repairs on classroom/gymnasium Building 1005 at Bradshaw Mountain High School.

Humboldt Unified, located 90 miles north of Phoenix, has ten schools. Bradshaw Mountain High School is comprised of nine buildings constructed between 1997 and 2012, totaling 169,425 square feet. The classroom/gymnasium Building 1005 was completed in 1997, totaling 26,250 square feet.

Staff visited the school site, inspected the roof and found it in need of repairs before possible total failure. The roof warranty has expired. The district requested proposals to repair the roof.

The district received proposals for the roof repairs; the lowest was in the amount of \$45,675.

**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 – Humboldt Unified (Bradshaw Mountain HS – roof repairs)**

Staff recommends 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.

**Background – Snowflake Unified (Snowflake IS – replace doors and hardware)**

Snowflake Unified has submitted a Building Renewal Grant request to replace various doors and door hardware in Building 1005 at Snowflake Intermediate School.

Snowflake Unified, located 20 miles north of Show Low, has six schools. Snowflake Intermediate School has six buildings constructed between 1960 through 2011, totaling 35,990 square feet. Building 1005 was built in 1963, totaling 5,527 square feet.

Staff visited the school, inspected the doors and hardware, and agrees with the need to replace specified doors.

**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 – Snowflake Unified (Snowflake IS – replace doors and hardware)**

Staff recommends 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.

**Background – Snowflake Unified (Taylor IS – replace doors and hardware)**

Snowflake Unified has submitted a Building Renewal Grant request to replace various doors and door hardware in Building 1001 at Taylor Intermediate School.

Snowflake Unified, located 20 miles north of Show Low, has six schools. Taylor Intermediate School has three buildings constructed between 1993 through 2011, totaling 36,128 square feet. Building 1001 was built in 1993, totaling 32,067 square feet.

Staff visited school and inspected the doors and hardware and agree with the need on specified doors.

**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 – Snowflake Unified School District (Taylor IS – replace doors and hardware)**

Staff recommends 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.

**Background – Tolleson Elementary (Arizona Desert ES – HVAC repairs)**

Tolleson Elementary has submitted a Building Renewal Grant request to repair the failed 15-ton packaged HVAC unit serving the gymnasium Building 1008 at Arizona Desert Elementary School.



Tolleson Elementary, located 13 miles west of Phoenix, has four schools. Arizona Desert Elementary School is comprised of six buildings constructed between 2002 and 20011, totaling 80,873 square feet. Building 1008 was built in 2008, totaling 13,214 square feet.

The district received a low proposal for the replacement of the compressors, condenser fan and reversing valves in the amount of \$7,565.

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 – Tolleson Elementary (Arizona Desert ES – HVAC repairs)

Staff recommends 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.

Background – Tucson Unified (Fruchtendler ES – replace intercom system)

Tucson Unified has submitted a Building Renewal Grant request for the replacement of the intercom system at Fruchtendler Elementary School.

Tucson Unified has 104 schools. Fruchtendler Elementary School is comprised of three buildings constructed between 1963 and 1980, totaling 39,318 square feet.

The Intercom is no longer capable of meeting the minimum adequacy guidelines, is inaudible in many classrooms, and many parts are no longer available. The existing system's age is well over 20 years old.

The district received a low proposal of \$6,410 for replacement of the system.

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 – Tucson Unified (Fruchtendler ES – replace intercom system)

Staff recommends that Tucson Unified be awarded \$7,100 in Building Renewal Grant funding for the replacement of the intercom system at Fruchtendler Elementary School. This includes \$690 in contingency that will only be used with SFB staff approval.

Background – Tucson Unified (Tolson ES – chiller replacement)

Tucson Unified has submitted a Building Renewal Grant request for the replacement of the chiller at Tolson Elementary School.

Tucson Unified has 104 schools. Tolson Elementary School is comprised of six buildings constructed between 1967 and 1997, totaling 41,336 square feet.

The chiller is incapable of meeting the temperature and humidity minimum guidelines and needs to be replaced. The district received a proposal for design services along with an estimate for construction. The design fees are \$35,000 with an estimated construction of \$200,000 for the replacement for the chiller and chilled water pump.

#### 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 – Tucson Unified (Tolson ES – chiller replacement)

Staff recommends 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.

#### Background – Young Elementary (Young ES - replace portions of perimeter fencing)

Young Elementary has submitted a Building Renewal Grant request to replace various portions of the perimeter fence, remove and reinstall gates, hardware and install fencing to direct staff/visitors to the front entrance of the school.

Young Elementary, located 146 miles northeast of Phoenix, has two schools. Young Elementary School has eight buildings constructed between 1960 and 2006, totaling 37,763 square feet.

Staff visited the school, inspected the fencing and determined the fencing that was installed over the years was not standardized. There are posts that are loose, fencing parts and pieces missing or not connected. At some point, two block columns were removed that surrounded the metal entrance columns. This created gaps between the exposed metal columns and the existing fence. The district is also proposing installing a fence from the main entrance of the school buildings to the perimeter fence as outlined in their grant application.

The district received a quote in the amount of \$14,607 making up four phases of repair and new construction. The portion of the quote to correct the fencing gaps at the entrance columns (Phase 2) is \$677.00.

Phase 1: Replacement of fencing for aesthetic purposes is not eligible for Building Renewal Grant funding. Relocation of gates is a maintenance issue.

Phase 3: Removal and replacement of gate posts, replacing fittings and hinges are maintenance issues. While four of the metal posts are loose, SFB staff believes if they are dug up and cement poured around them they will meet the Minimum School Facilities Guidelines.

Phase 4 is new construction and is not eligible for Building Renewal Grant funding, and is the district's portion of the quote.

#### 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 – Young Elementary (replace portions of perimeter fencing)

Staff recommends 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.

**R7-6-205. School Site**

- A. A school site shall have safe access, parking, drainage, security, and area to accommodate a school facility that complies with the minimum gross square footage requirements established in A.R.S. § 15-2011, for the number of students at the school facility and that comply with these guidelines.
- B. "Safe access" means a student drop off area or pedestrian pathway that allows students to enter the school facility without crossing vehicular traffic or by using a designated crosswalk. Any student drop off area that is used by a bus must be configured to accommodate bus width and turning requirements.
- C. "Parking" means a maintainable all weather surfaced area that is large enough to accommodate one parking space per staff FTE and one visitor parking space per 100 students. If this definition is not met, the sufficiency of the parking at the site is subject to review by the Board using the following criteria:
  - 1. Availability of street parking around the school;
  - 2. Availability of any nearby parking lots;
  - 3. Availability of public transit;
  - 4. Number of staff that drive to work on a daily basis; and
  - 5. The average number of visitors on a daily basis.
- D. "Drainage" means that a school site is configured such that runoff does not undermine the structural integrity of the school buildings located on the site or create flooding, ponding, or erosion resulting in a threat to health, safety, or welfare.
- E. "Security" means a fenced or walled play/physical education area for students in programs for preschool children with disabilities and kindergarten and students in grades one through six. This definition is met if the entire school is fenced or walled. If this definition is not met, the sufficiency of security at the site is subject to review by the Board using the following criteria:
  - 1. Amount of vehicular traffic near the school site;
  - 2. Existence of hazardous or natural barriers on or near the school site;
  - 3. The amount of animal nuisance near the school site; and
  - 4. Visibility of the play/physical education area.

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

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.
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.

**Attachments: Yes [ X ]      No [   ]**

**SCHOOL FACILITIES BOARD****BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency

  X   Building Renewal Grant FundDistrict: **Beaver Creek Elementary**BRG Project Number: **130326101-1005-002BRG**

Yavapai County

Project Description: **Replace heaters**Architect of Record: **BESP (Sameer Pandey 602-377-2679)**Contractor: **TBD**Board Approval Date: **12/10/2014**

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost</b>		<b>\$ 25,000</b>
Contingency ①		<b>\$ 3,000</b>
Architecture / Engineering (A&E) Fees		\$ 5,000
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		<b>\$ 5,000</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 33,000</b>
District Share (Local Funds):		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 33,000</b>
<b>Total Project Cost:</b>		<b>\$ 33,000</b>

① Contingency shall only be used with SFB staff approval.

**Building Renewal Grant Application**

**Initial Submission Date:** 9/30/2014 9:01:37 AM

**Application ID:** 1567

**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:** Beaver Creek Elementary District

**Superintendent:** Karin Ward

**Contact Person:** Jim Womack

**Contact Phone Number:** (928) 567-4631

**Contact Email:** lwomack@bcs.k12.az.us

**School Site:** Beaver Creek School

**Buildings:** 1005 500

**Application Title:** heating

**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 gymnasium has elevated open factory heating units that are not allowed and are unsafe for school purposes.

**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

KARIN WARD  
Superintendent Printed Name

Karin Ward  
Superintendent Signature

Sept 30, 2014  
Date

BESP, LLC  
219 S. William Dr. # 137  
Gilbert, AZ 85233  
Tel: (602) 377-2679 Fax: (480) 629-5645  
sameerpandey@besp.us  
www.besp.us



November 17, 2014

Mr. Jimmy Womack  
Beaver Creek Elementary School  
4810 E. Beaver Creek Rd.  
Rimrock, AZ 86335

Ref: Assessment of Heating & Cooling System at Beaver Elementary School Gymnasium

Dear Mr. Womack,

Per district's request, BESP assessed a heating/cooling system at Beaver Creek Elementary Gymnasium on Thursday, October 30, 2014. It is noted that the gymnasium built in 1984 is approximately 7,500 square feet with a 20 feet high ceiling. The gymnasium space is currently being served by three (3) Aspen Evaporative Coolers (side discharge) with a cooling capacity of 8,000 cfm each, and two (2) open flame hanging reznor heaters with a heating capacity of 160 MBH output each. The coolers and heaters were installed in 1984, and are thirty (30) years old. The evaporative coolers are directly fed into a space through 21"x21" openings, without proper distribution of air through any ductwork/diffusers. The air is relieved through two (2) 36"x36" relief louvers with barometric dampers.

As listed below, BESP noted a number of deficiencies in heating & cooling system at the Beaver Creek Elementary School Gymnasium.

1. The existing cooling capacity of 16,000 cfm, and heating capacity of 320 MBH is inadequate to provide optimum cooling or heating to the space. This can explain the frequent complaint of inadequate cooling/heating by the occupants.
2. The air from the coolers directly feed into the space through two openings without properly distributing air into the space, which adds to the discomfort created by inadequate cooling/heating capacity.
3. The openings of relief louvers are not sized adequately to relieve the indoor air.

Per our evaluation, both cooling and heating capacity for gymnasium needs to be upgraded. In addition to it, a proper air distribution system needs to be designed and installed to uniformly distribute air throughout the space. We also recommend resizing the relief louvers and/or add additional relief louver for proper ventilation.

BESP also analyzed an option of providing air-conditioning to the gymnasium space. Per our evaluation, the gymnasium has a cooling load of approximately thirty (30) tonnage. As the school is currently fed by a single phase current at 208 volts, the options would be to install multiple single phase five (5) ton units or upgrade the school's single phase current to three phase. BESP can explore both of these options if directed by the district, however, both these options are not cost-effective.

A design and installation cost to replace the evaporative coolers and heaters at Beaver Creek Elementary School Gymnasium is estimated as following:





**Scope I:** Upgrade & replace existing evaporative coolers; add air distribution system with new ductwork & diffusers; upgrade existing relief louvers to motorized louver; design & install an additional motorized relief louver.

- 1) Design Services Fee - \$10,000
  - a. Design & Documentation
    - i. Design/Load calculation/Specifications for new evaporative coolers
    - ii. Design air distribution system
    - iii. Perform Structural Analysis by a certified structural engineer
    - iv. Produce Construction Documents
    - v. Prepare and review bid documents
  - b. Construction Administration
    - i. Submittal review
    - ii. Site Visits/meeting
    - iii. Installation verification
    - iv. Close-out Documentation review

- 2) Estimated Construction/Installation Cost - \$45,000

**Scope II:** Replace existing reznor heaters with new gas or electric heaters; design & install four (4) gas or electric heaters in lieu of existing two (2) reznor heaters; provide new flue, hangers, gas line and electrical for two (2) new heaters.

- 1) Design Services Fee - \$5,000
  - a. Design & Documentation
    - i. Design/Load calculation/Specifications for new evaporative coolers
    - ii. Design air distribution system
    - iii. Perform Structural Analysis by a certified structural engineer
    - iv. Produce Construction Documents
    - v. Prepare and review bid documents
  - b. Construction Administration
    - i. Submittal review
    - ii. Site Visits/meeting
    - iii. Installation verification
    - iv. Close-out Documentation review

- 2) Estimated Construction/Installation Cost - \$25,000

Please let us know if you have any questions or need clarifications.

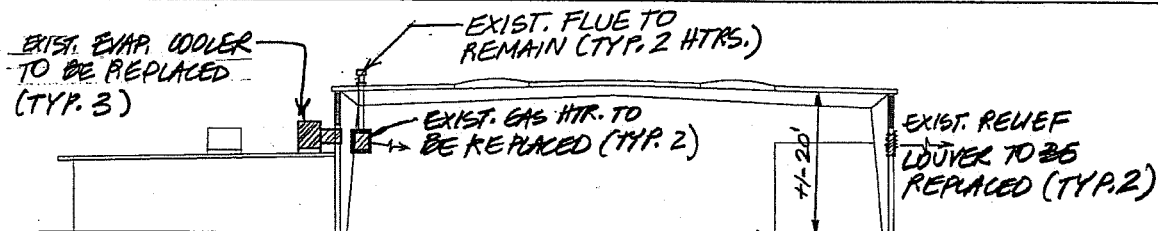
Sincerely,

Sameer R Pandey PE (Mech), CEM, LEED  
Principal Engineer, BESP

**Attachment:**

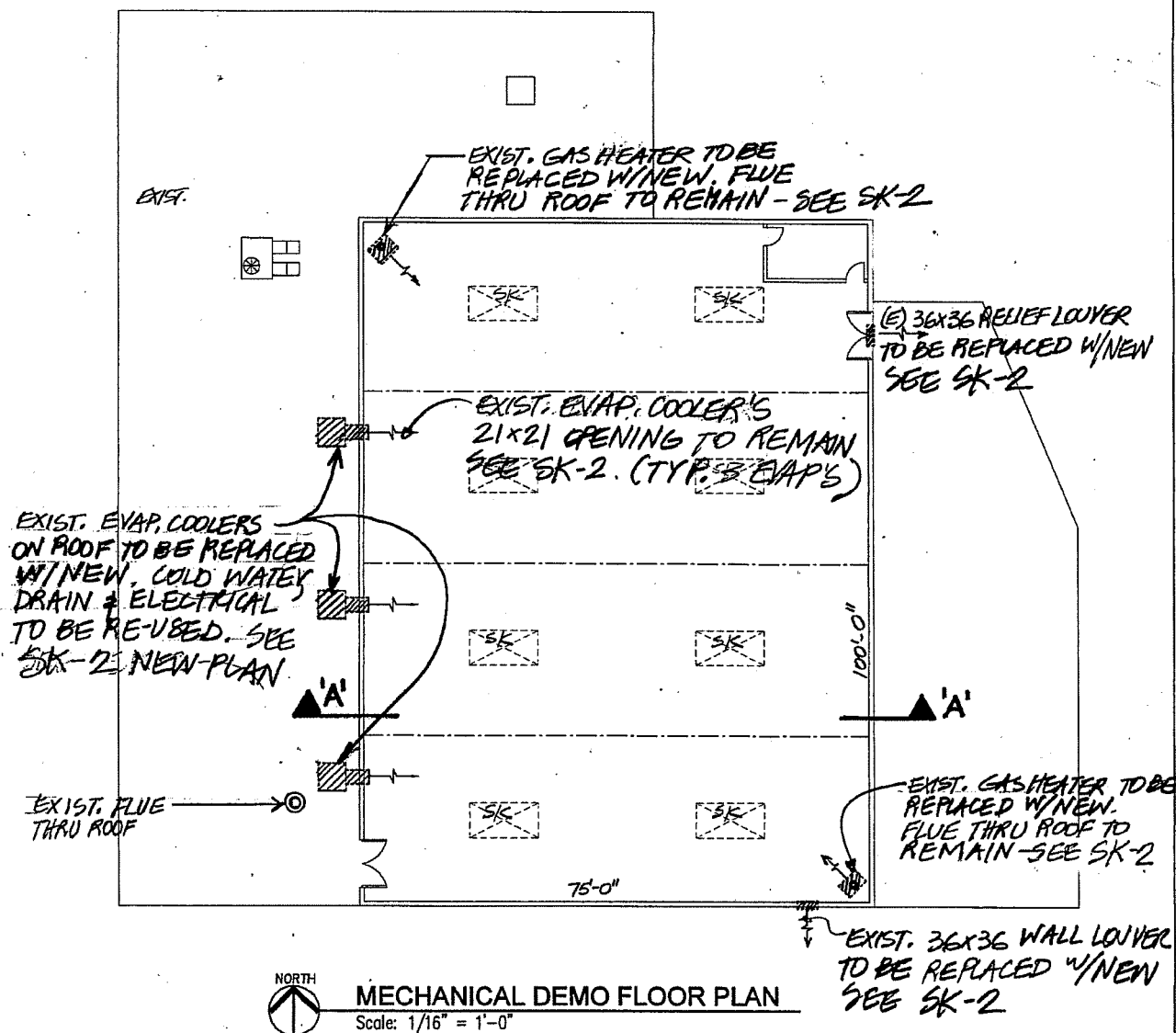
- 1) Sketch - Beaver Creek Elementary School Gymnasium





# SECTION A'-A'

Scale: 1/16" = 1'-0"



## MECHANICAL DEMO FLOOR PLAN

Scale: 1/16" = 1'-0"

### DEMO. EQUIPMENT

EXIST. EVAP COOLERS: +/- 8,000 CFM, ASPEN PADS, SIDE DISCHARGE. 208/1160, 1 HP.

EXIST. GAS HEATERS: REZ NOR, PROPANE GAS, 200MBH INPUT/160 MBH OUT.

EXIST. RELIEF WALL LOUVERS: 36" x 36" W/BAROMETRIC DAMPER.



PROJECT:

BEAVER CREEK SCHOOL  
RIMROCK AZ. 86335

DATE: NOV-06-14

SCOPE

GYM BUILDING HVAC DEMO PLAN

BY: BESP

DWG:

SK-1

**SCHOOL FACILITIES BOARD****BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency

☒ Building Renewal Grant FundDistrict: **Beaver Creek Elementary**BRG Project Number: **130326101-1005-003BRG**

Yavapai County

Project Description: **Replace evaporative coolers**Architect of Record: **BESP (Sameer Pandey 602-377-2679)**Contractor: **TBD**Board Approval Date: **12/10/2014**

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost</b>		<b>\$ 45,000</b>
Contingency ①		<b>\$ 3,000</b>
Architecture / Engineering (A&E) Fees		\$ 10,000
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		<b>\$ 10,000</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 58,000</b>
District Share (Local Funds):		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 58,000</b>
<b>Total Project Cost:</b>		<b>\$ 58,000</b>

① Contingency shall only be used with SFB staff approval.

**Building Renewal Grant Application**

**Initial Submission Date:** 9/30/2014 9:10:46 AM

**Application ID:** 1568

**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:** Beaver Creek Elementary District

**Superintendent:** Karin Ward

**Contact Person:** Jim Womack

**Contact Phone Number:** (928) 567-4631

**Contact Email:** jwomack@bcs.k12.az.us

**School Site:** Beaver Creek School

**Buildings:** 1005 500

**Application Title:** Evaporative coolers

**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 evaporative coolers are working insufficiently, rusty cages/panels and bearings. These units are over 30 years old.

**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

KARIN WARD  
Superintendent Printed Name

Karin Ward  
Superintendent Signature

Sept 30, 2014  
Date

BESP, LLC  
219 S. William Dr. # 137  
Gilbert, AZ 85233  
Tel: (602) 377-2679 Fax: (480) 629-5645  
sameerpandey@besp.us  
www.besp.us



November 17, 2014

Mr. Jimmy Womack  
Beaver Creek Elementary School  
4810 E. Beaver Creek Rd.  
Rimrock, AZ 86335

Ref: Assessment of Heating & Cooling System at Beaver Elementary School Gymnasium

Dear Mr. Womack,

Per district's request, BESP assessed a heating/cooling system at Beaver Creek Elementary Gymnasium on Thursday, October 30, 2014. It is noted that the gymnasium built in 1984 is approximately 7,500 square feet with a 20 feet high ceiling. The gymnasium space is currently being served by three (3) Aspen Evaporative Coolers (side discharge) with a cooling capacity of 8,000 cfm each, and two (2) open flame hanging reznor heaters with a heating capacity of 160 MBH output each. The coolers and heaters were installed in 1984, and are thirty (30) years old. The evaporative coolers are directly fed into a space through 21"x21" openings, without proper distribution of air through any ductwork/diffusers. The air is relieved through two (2) 36"x36" relief louvers with barometric dampers.

As listed below, BESP noted a number of deficiencies in heating & cooling system at the Beaver Creek Elementary School Gymnasium.

1. The existing cooling capacity of 16,000 cfm, and heating capacity of 320 MBH is inadequate to provide optimum cooling or heating to the space. This can explain the frequent complaint of inadequate cooling/heating by the occupants.
2. The air from the coolers directly feed into the space through two openings without properly distributing air into the space, which adds to the discomfort created by inadequate cooling/heating capacity.
3. The openings of relief louvers are not sized adequately to relieve the indoor air.

Per our evaluation, both cooling and heating capacity for gymnasium needs to be upgraded. In addition to it, a proper air distribution system needs to be designed and installed to uniformly distribute air throughout the space. We also recommend resizing the relief louvers and/or add additional relief louver for proper ventilation.

BESP also analyzed an option of providing air-conditioning to the gymnasium space. Per our evaluation, the gymnasium has a cooling load of approximately thirty (30) tonnage. As the school is currently fed by a single phase current at 208 volts, the options would be to install multiple single phase five (5) ton units or upgrade the school's single phase current to three phase. BESP can explore both of these options if directed by the district, however, both these options are not cost-effective.

A design and installation cost to replace the evaporative coolers and heaters at Beaver Creek Elementary School Gymnasium is estimated as following:

**Scope I:** Upgrade & replace existing evaporative coolers; add air distribution system with new ductwork & diffusers; upgrade existing relief louvers to motorized louver; design & install an additional motorized relief louver.

**1) Design Services Fee - \$10,000**

**a. Design & Documentation**

- i. Design/Load calculation/Specifications for new evaporative coolers
- ii. Design air distribution system
- iii. Perform Structural Analysis by a certified structural engineer
- iv. Produce Construction Documents
- v. Prepare and review bid documents

**b. Construction Administration**

- i. Submittal review
- ii. Site Visits/meeting
- iii. Installation verification
- iv. Close-out Documentation review

**2) Estimated Construction/Installation Cost - \$45,000**

**Scope II:** Replace existing reznor heaters with new gas or electric heaters; design & install four (4) gas or electric heaters in lieu of existing two (2) reznor heaters; provide new flue, hangers, gas line and electrical for two (2) new heaters.

**1) Design Services Fee - \$5,000**

**a. Design & Documentation**

- i. Design/Load calculation/Specifications for new evaporative coolers
- ii. Design air distribution system
- iii. Perform Structural Analysis by a certified structural engineer
- iv. Produce Construction Documents
- v. Prepare and review bid documents

**b. Construction Administration**

- i. Submittal review
- ii. Site Visits/meeting
- iii. Installation verification
- iv. Close-out Documentation review

**2) Estimated Construction/Installation Cost - \$25,000**

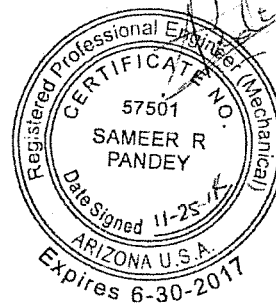
Please let us know if you have any questions or need clarifications.

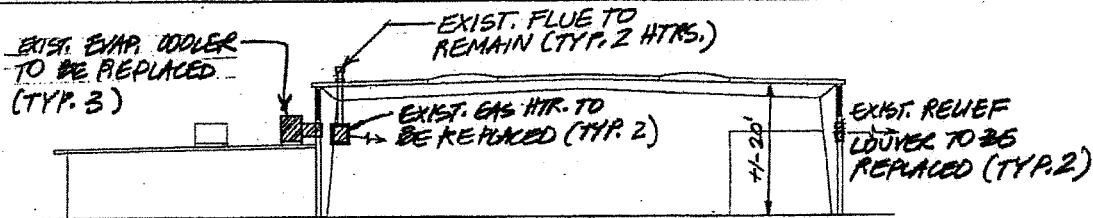
Sincerely,

Sameer R Pandey PE (Mech), CEM, LEED  
Principal Engineer, BESP

**Attachment:**

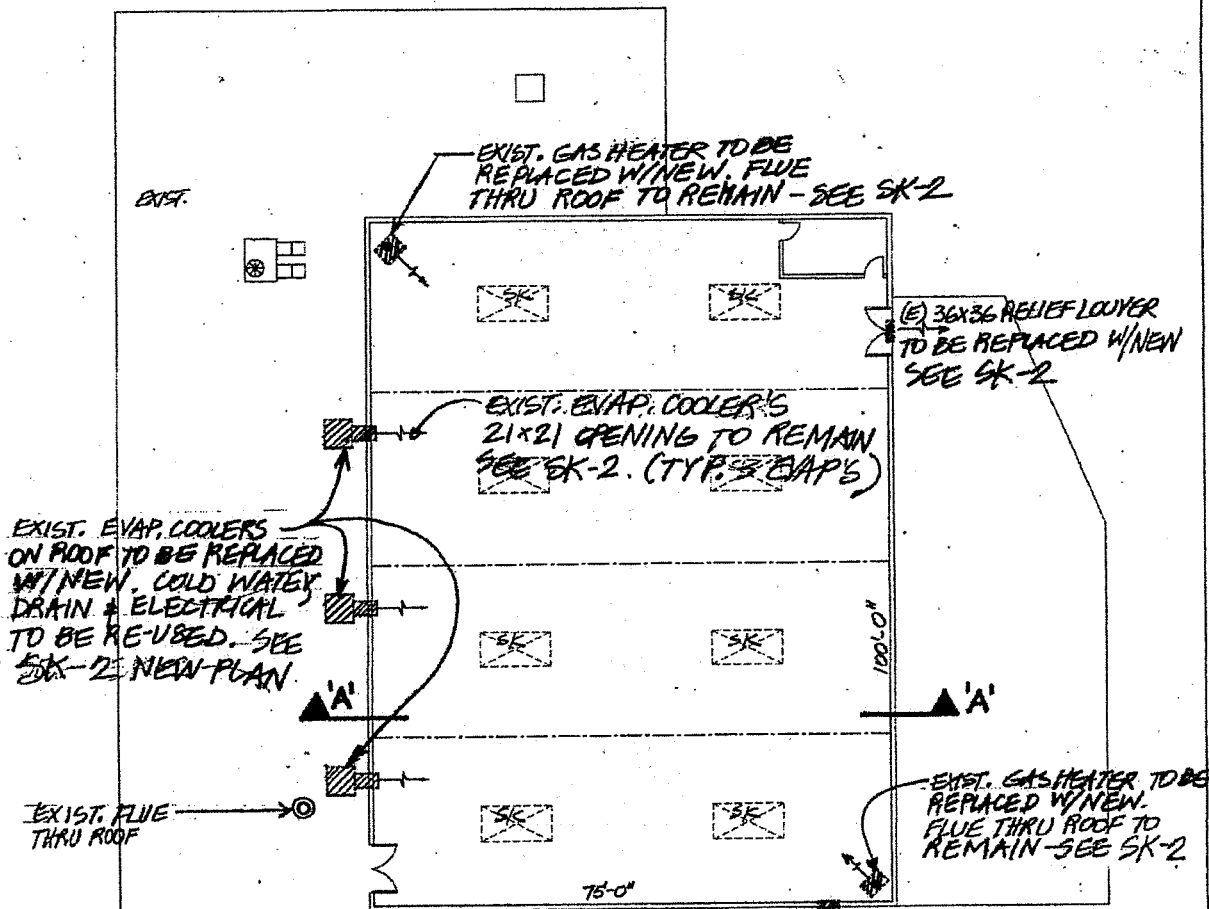
- 1) Sketch - Beaver Creek Elementary School Gymnasium





# SECTION A'-A'

Scale: 1/16" = 1'-0"



# MECHANICAL DEMO FLOOR PLAN

Scale: 1/16" = 1'-0"

## DEMO. EQUIPMENT

EXIST. EVAP COOLERS: 4- 8000 CFM, ASPEN PADS, SIDE DISCHARGE. 208/1160, 1 HP.

EXIST. GAS HEATERS: REZ NOR, PROPANE GAS, 200 MBH INPUT/160 MBH OUT.

EXIST. RELIEF WALL LOUVERS: 36" x 36" W/ BAROMETRIC DAMPER.



PROJECT:

BEAVER CREEK SCHOOL  
RIMROCK AZ. 86335

DATE: NOV-06-14

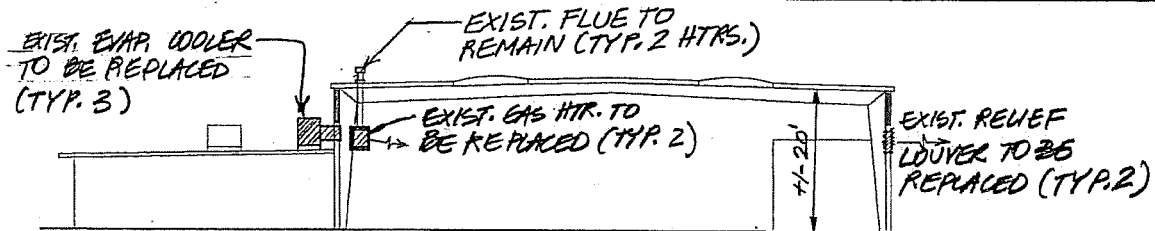
SCOPE

GYM BUILDING HVAC DEMO PLAN

BY: BESP

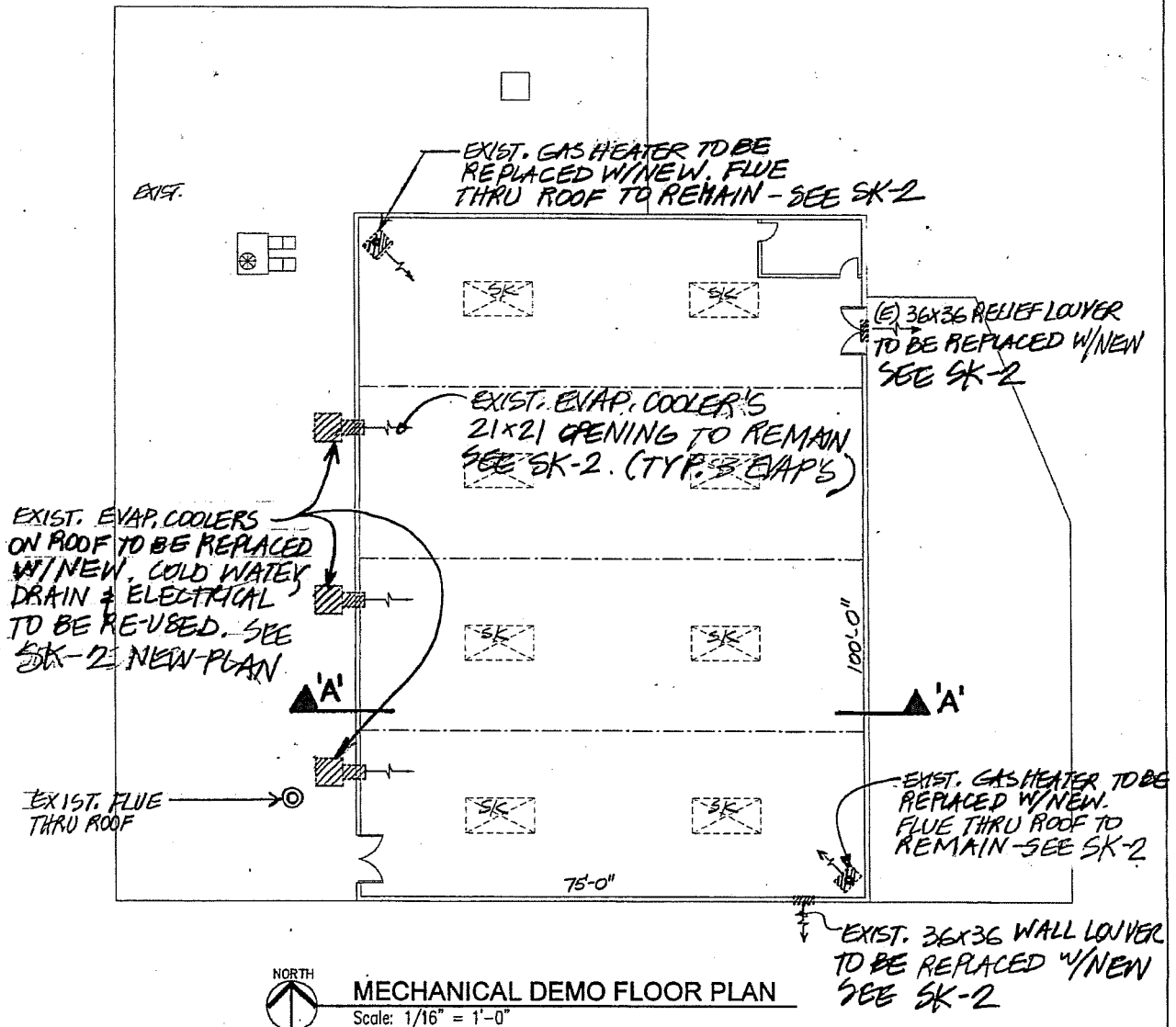
DWG:

SK-1



# SECTION 'A'-A'

Scale: 1/16" = 1'-0"



## DEMO. EQUIPMENT

EXIST. EVAP COOLERS: 4- 8,000 CFM, ASPEN PADS, SIDE DISCHARGE. 208/1/60, 1 HP.

EXIST. GAS HEATERS: REZNOR, PROPANE GAS, 200MBH INPUT/160MBH OUT.

EXIST. RELIEF WALL LOUVERS: 36"x36" W/BAROMETRIC DAMPER.

**Building  
Energy Solutions  
Provider**

PROJECT:

BEAVER CREEK SCHOOL  
RIMROCK AZ. 86335

DATE: NOV-06-14

SCOPE

GYM BUILDING HVAC DEMO PLAN

BY: BESP

DWG:

SK-1



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

District: **Bonita Elementary**  
Project Number: **050316101-1001-005BRG**  
Project Description: **Replace bleachers**  
Architect of Record: **n/a**  
Contractor: **Norcon Industries, Inc. (520-325-5752)**  
Board Approval: **12/10/2014**

Graham County

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost</b>		<b>\$ 16,358</b>
Contingency ①		<b>\$ 2,142</b>
Architecture / Engineering		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		<b>\$ -</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 18,500</b>
District Share (Local Funds):		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 18,500</b>
<b>Total Project Cost:</b>		<b>\$ 18,500</b>

① Contingency will only be used with SFB staff approval.

**Building Renewal Grant Application**

**Initial Submission Date:** 11/12/2014 8:37:30 AM

**Application ID:** 1649

**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:** Bonita Elementary District  
**Superintendent:** Edgar Houser  
**Contact Person:** Wayne Brewster  
**Contact Phone Number:** 928-828-3363  
**Contact Email:** wayne.brewster@bonita.k12.az.us  
**School Site:** Bonita Elementary School  
**Buildings:** 1001 Primary

**Application Title:** Bleacher 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.

Our present bleachers are over thirty years old the wood is splitting and cracking in spots which make it unsafe for students to walk or sit on. The mechanical parts of the bleachers are getting to the point that we can no longer open and close them as we would like or need to.

**Project Category:** Special Equipment

**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

Edgar Houser  
Superintendent Printed Name

Edgar Houser  
Superintendent Signature

11/12/14  
Date

11/12/2014 8:37:30 AM

# NORCON INDUSTRIES, INC.

2480 W. Ruthrauff Rd. #140 P

Tucson, AZ 85705

AZ LIC. 088670 / 088671

Date: November 26, 2014

To: Wayne Brewster

From: Jim Crater

Phone: (520) 325-5752

Fax: (520) 325-5753

RE: Hussey manual bleachers for gym delivered and installed - School district demo of old bleachers

---

Wayne,

Utilizing the space of 31'-0" we will provide a 28'-6" bleacher of 4 tiers with 1'-0" at each end for self storing end rails

Utilizing the space of 24'-6" we will provide a 22'-6" bleacher of 4 tiers with 1'-0" at each end for self storing end rails.

Two runs will give you gross seats of 76 and 60 respectively once you put in the aisle in each bank you will have 67 and 51 net seats respectively 118 net seats total due to the aisles required.

The school will build a wall behind the top row of each bleacher – no column cutouts- and no rear rails. We will attach to the steel angle running between columns

The price for this size system is	\$15,733.94
Tax 3.965%	<u>\$ 623.85</u>
Total delivered and installed	\$16,357.79

MESC contract #14M-NOR1-1014

Plastic seat modules.

Thanks,  
Jim Crater

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

District: **Canon Elementary**  
BRG Project Number: **130350101-1002-006BRG**  
Project Description: **Replace HVAC unit**  
Architect of Record: **Broderick Engineering (480-926-6333)**  
Contractor: **HRS Mechanical**

Yavapai County

Board Approval Date: 12/10/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost</b> (cost estimate provided by architect or contractor)		<b>\$ 4,829</b>
Contingency ①		<b>\$ 1,071</b>
Architecture / Engineering (A&E) Fees		\$ 1,600
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		<b>\$ 1,600</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 7,500</b>
District Share (Local Funds):		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 7,500</b>
<b>Total Project Cost:</b>		<b>\$ 7,500</b>

① Contingency shall only be used with SFB staff approval.

**Building Renewal Grant Application**

**Initial Submission Date:** 11/6/2014 9:27:16 AM

**Application ID:** 1647

**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:** Canon Elementary District

**Superintendent:** Angela Jangula

**Contact Person:** Darrell Merrill

**Contact Phone Number:** 623-680-7649

**Contact Email:** dmerrill@canon50.com

**School Site:** Canon Elementary School

**Buildings:** 1002 Gymnasium

**Application Title:** HVAC

**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.

One Five ton Heat Pump, old and no longer able to repair.

**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

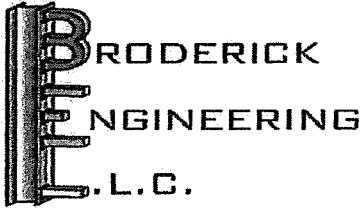
gbreuer@azsfb.gov

602-542-6139

Angela E. Jangula  
Superintendent Printed Name

Angela E. Jangula  
Superintendent Signature

11-20-14  
Date



Civil & Structural Engineering Consulting

November 6, 2014

Mr. Darryl Merrill  
Canon School District  
34630 E School Road loop  
Black Canyon City, AZ 85324

Re: Canon School HVAC Replacement Investigation -

Dear Darryl;

We appreciate your request to submit the following limited services agreement to provide structural engineering services for the above-mentioned project. This proposal is based on our telephone conversation on November 6, 2014.

Scope of Limited Services:

The project consists of providing structural engineering services, and a Structural analysis of the existing roof structure for the intent of replace a single HVAC unit on the roof. We will perform a site visit to the school, and review the existing construction drawings (provide by you for our review).

Fee for Limited Services: \$1,600

Hourly Rates (change of scope, construction administration, etc.):

Principal Engineer	\$130
Senior Engineer	\$110
Project Designer	\$ 80
Drafter	\$ 65

We appreciate the opportunity to work with you on this project and are ready to start upon receipt of the signed agreement and terms and conditions.

Sincerely,  
Broderick Engineering LLC.

A handwritten signature in black ink, appearing to read 'Greg S. Broderick', is written over a horizontal line.

Greg S. Broderick, S.E., M.S.  
Manager

Accepted this                      day of                      ,2014

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

PO BOX 666  
Black Canyon City, AZ. 85324-0666

HRS MECHANICAL

Estimate

Date	Estimate #
10/24/2014	63114

Name / Address
CANON SCHOOL DISTRICT NO. 50 PO BOX 89 BLACK CANYON CITY, AZ 85324

			Project
Description	Qty	Cost	Total
5 Ton PKG 13 SEER R410 ; includes stand, elbow or transition, crane and unit disposal, connect to existing duct. use existing electrical connections			4,602.00
Sales Tax		6.35%	226.70
Total			\$4,828.70

Customer Signature \_\_\_\_\_

**SCHOOL FACILITIES BOARD****BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency

  X   Building Renewal Grant Fund

District: **Humboldt Unified**  
BRG Project Number: 130222230-1005-005BRG  
Project Description: **Roof repairs**  
Consultant: Diversified Roofing (602-870-8322)  
Contractor: TBD

Yavapai County

Board Approval Date: 12/10/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost:</b>		<b>\$ 45,675</b>
Contingency ①		\$ 5,325
<b>Additional Cost:</b>		
Architecture / Engineering (A&E) Fees		\$ 2,000
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		<b>\$ 2,000</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 53,000</b>
District or Local Funds:		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 53,000</b>
<b>Total Project Cost:</b>		<b>\$ 53,000</b>

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:** 4/29/14

**Application ID:** 931

**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:** Humboldt Unified District

**Superintendent:** Dr. Paul Stanton

**Contact Person:** Ken Johnson

**Contact Phone Number:** 928-759-5011

**Contact Email:** kenneth.johnson@humboldtunified.com

**School Site:** Bradshaw Mountain High School

**Buildings:**

**Application Title:** 1995 Roofing Retrofit - Building G Gymnasium - Building #1005 - 26,250 SF

**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.

Retrofit all creases and uneven area present rolled roofing and then retrofit with overlay of Carlisle SynTec "Sure Weld" twenty year roofing material.

Roofing at this location has experienced failures near drains and perimeter past several year and approximately \$15,000 in repairs completed by Sky Engineering. Paid invoices on file.

**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.

State contractor Sky Engineering, recommending retrofit. Roofing was installed new 1995 when building was constructed and at end of service range. Expensive to continue annual repairs. Cost of retrofit \$120,000 plus administration 10%.

**Liaison:** Breuer

gbreuer@azsfb.gov

602-542-6139

DR. Paul Stanton

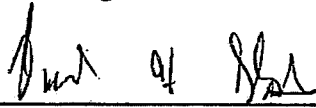
Superintendent Printed Name

4/23/2014 11:13:32 AM

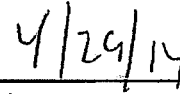
1

**Application ID:** 931

**Building Renewal Grant Application**



\_\_\_\_\_  
Superintendent Signature



\_\_\_\_\_  
Date



## Proposal

September 8<sup>th</sup>, 2014

To: Sky Engineering Inc.

Attn: Sheldon Cieslak

Project: Bradshaw Mountain H.S.

Diversified Roofing is pleased to provide you with the following proposal for the above named project. We agree to furnish all labor, material and equipment necessary to complete the following scope of work

### SCOPE OF WORK:

#### REPAIR AND COAT EXISTING BUR ROOF

1. Cut and repair the cracking on walls with torch down roofing membrane per manufacturer's specifications.
2. Cut and repair the cracking on roof with torch down roofing membrane per manufacturer's specifications.
3. Apply Lapolla 100% Acrylic Restoration Coating System (RCS 5000 white) over existing cap sheet at 4.3 gallons per square
4. Repair and reseal metal coping cap and fry reglet as necessary.
5. Provide a manufacturer's 10 year warranty.

Repair and Coating	Price
	\$45,675.00

#### ALTERNATE: SPRAY FOAM OVERLAY

1. Clean deck of debris and power wash.
2. Spray apply approximately .25 gallons per square roof primer over existing roofing.
3. Spray apply approximately 1 inch of polyurethane foam @ 2.8 lb. density.
4. Spray apply approximately 1 inch of polyurethane foam @ 2.8 lb. density.
5. Apply acrylic base coating at a rate of approximately 1.75 gallons per 100 square feet.
6. Apply acrylic 2nd-coat at a rate of approximately 1.75 gallons per 100 square feet.
7. Apply SPF at 1 inch, and acrylic coating to interior parapet walls at a rate of 3.5 gallons per 100 square feet to a height determined on plans.
8. Provide Manufacturer 10 year system warranty.

SF Roof System	Price
	\$86,262.00

Addendums Noted:

Bid valid for 10 days from submission.

**Bid Excludes:** Unless specifically noted above, electrical, HVAC, plumbing, drain assemblies, substrate replacement or repair, general sheet metal, insulation on skylight or RTU curbs. General carpentry, joint sealants, painting, asbestos containing material, testing, removal or abatement. Expansion joints or covers. Roof top equipment: Should roof top mechanical equipment require: raising, temporary removal, disconnect and reconnect services, additional charges will apply.

## TERMS AND CONDITIONS

Page 1 of 3

2015 W. Mountain View Rd. Phoenix Arizona 85021 602.870.8322 Fax: 602.870.4943  
Comm. Lic 102585 Res. Lic 076746

**SCHOOL FACILITIES BOARD****BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency

  X   Building Renewal Grant Fund

District: **Snowflake Unified**  
BRG Project Number: **090205001-1005-002BRG**  
Project Description: **Replace doors and hardware**  
Architect of Record: **n/a**  
Contractor: **DHPace (480-968-3667)**  
Board Approval Date: **12/10/2014**

Navajo County

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost:</b>		
Contingency ①		\$ 12,010
		\$ 2,000
<b>Additional Cost:</b>		
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		\$ -
<b>Total SFB Funded Project Cost:</b>		\$ 14,010
District or Local Funds:		\$ -
<b>SFB Board Approved Amount:</b>		\$ 14,010
<b>Total Project Cost:</b>		\$ 14,010

① Contingency shall only be used with SFB staff approval.

**Building Renewal Grant Application**

**Initial Submission Date:** 11/3/2014 9:28:58 AM

**Application ID:** 1636

**Resubmittal Date:** 11/3/2014 2:25:34 PM

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:** Snowflake Unified District

**Superintendent:** Hollis Merrell

**Contact Person:** Mark Ollerton, Darren Perkins

**Contact Phone Number:** 928.536.4156

**Contact Email:** marko@snowflake.k12.az.us; darrenp@snowflake.k12.az.us

**School Site:** Snowflake Intermediate School

**Buildings:** 1005 500

**Application Title:** Door 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.

Doors are aged wooden interior originally installed when building was built. Doors have vertical latches creating a easy security breach. This has resulted in several break ins into the facility. New doors with a center bar with horizontal push bars would provided added security

**Project Category:** General Renovations

**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 has no funds in the Building Renewal Fund. The State Legislature cancelled this funding. Unrestricted capital funds have been reduced significantly by the State. Coupling this problem with the lack of funding for education in the form of soft capital, a competition for utilization of capital funds from the UCO funds has limited the use of UCO funds for major renovations.

**Liaison:** Cruse

pcruse@azsfb.gov

602-364-1193

\_\_\_\_\_  
Superintendent Printed Name



Systems Integration Group  
616 W. 24th Street  
Tempe, AZ 85282  
480-557-7223  
DHPaceArizona.com  
AZ ROC #184002, K-67

Entry Door Systems Group  
616 W. 24th Street  
Tempe, AZ 85282  
480-968-3667  
DHPaceArizona.com  
AZ ROC #183892, K-60

Overhead Door Company of Central Arizona  
A DHPACE Company  
616 W. 24th Street • Tempe, AZ 85282  
480-968-3667  
OverheadDoorCentralArizona.com  
AZ ROC #270220, K-60

## MOHAVE PROPOSAL

**Pricing reflects Mohave discounts**

**Reference 12J-DHDR-0825 and 11F-DHP-0915 when ordering from this proposal**

**Project Name: Middle School and Taylor ES**

**Proposal Number: 4795JAR**

To: Dan LaGrange  
Snowflake USD #5  
682 School Bus Ln  
Snowflake, AZ 85937  
PH: 928-536-4156 x7789

**Date: 11-05-2014**

**We propose furnish and install the following:**

### Middle School

Qty	Mfr	Part Number	Description	Finish	List Price Ea.	Mohave Discount	Mohave Unit price	Extended Total
<b>Contract - 11F-DHP-0915 Hardware</b>								
4	5607	SL-14 CL HD 83	full mort cont hinge	cL	\$149.00	47%	\$78.97	\$315.88
2	754	CD99NL 36"	rim exit w/ cylinder dogging and pull handle w/cylinder hole	26D	\$1,360.00	32%	\$924.80	\$1,849.60
2	754	CD99DT 36"	rim exit w/ cylinder dogging and pull handle	26D	\$1,346.00	32%	\$915.28	\$1,830.56
2	754	KR4954 x 154 7'6"	key removable mullion	prime	\$919.00	32%	\$624.92	\$1,249.84
4	402	4040XP RwPA	closer	689	\$397.00	40%	\$238.20	\$952.80
2	1149	1E72-S2-RP-LC	rim cylinder housing only	626	\$48.00	48%	\$24.96	\$49.92
2	1149	1E74-C4-RP3-LC	mortise cylinder housing	626	\$50.00	48%	\$26.00	\$52.00
8	536	303AS3684	screw on seal	628	\$39.78	50%	\$19.89	\$159.12
4	536	18061CNB36	brush sweep	628	\$10.80	50%	\$5.40	\$21.60
2	536	171A72"	threshold	628	\$57.60	50%	\$28.80	\$57.60
4	536	FS18	heavy duty wall stop	blk	\$48.00	47%	\$25.44	\$101.76
							\$0.00	\$0.00
1			1HOTEL AND 2 PER DIEM		\$128.00	0%	\$128.00	\$128.00
			Rental Equipment/Subcontract			0%	\$0.00	\$0.00
			Mileage (\$.445/m outside 50 m radius)		\$0.445	0%	\$0.445	\$0.00
26		Hours	Labor (Field/Shop)				\$75.00	\$1,950.00
Material Sub Total Only								\$6,640.68
Freight 11%								\$730.47
Labor Total Only								\$1,950.00
Per Diem								\$128.00
Rental/Subcontract								\$0.00
Mileage								\$0.00
*Grand Total								\$9,449.15

**Plus applicable taxes**  
**(\*) Parts/Accessories Price Book**

**(\*\*) Parts/Accessories from parts Price Book**

Qty	Mfr	Part Number	Description	Finish	List Price Ea.	Mohave Discount	Mohave Unit price	Extended Total
<b>Contract 12J-DHDR-0825 - Doors &amp; Frames</b>								
4	CUR	707S 3070 18ga	hollow metal door prep for closer, rim exit, seamless N FL cutout	prime	\$962.00	60%	\$384.80	\$1,539.20
4	AIR	WS VSL 7 x 22	vision kit w/ wire glass	brz	\$149.00	37%	\$93.87	\$375.48
Material Only Sub Total								\$1,914.68
Freight 12%								\$229.76
Labor Total Only								\$0.00
Per Diem								\$0.00
Rental/Subcontract								\$0.00
Mileage								\$0.00
* Total								\$2,144.44

\* Plus applicable taxes

Navajo County Contracting Tax Rate @ 3.9655 for both contracts: \$ 416.59  
Total for Middle School including tax: \$ 12,010.18



#### Taylor ES

Qty	Mfr	Part Number	Description	Finish	List Price Ea.	Mohave Discount	Mohave Unit price	Extended Total
<b>Contract - 11F-DHP-0915 Hardware</b>								
4	5607	SL-14 CL HD 83	full mort cont hinge	cL	\$149.00	47%	\$78.97	\$315.88
2	754	CD99NL 36"	rim exit w/ cylinder dogging and pull handle w/cylinder hole	26D	\$1,360.00	32%	\$924.80	\$1,849.60
2	754	CD99DT 36"	rim exit w/ cylinder dogging and pull handle	26D	\$1,346.00	32%	\$915.28	\$1,830.56
2	754	KR4954 x 154 7/6"	key removable mullion	prime	\$919.00	32%	\$624.92	\$1,249.84
4	402	4040XP-RwPA	closer	689	\$397.00	40%	\$238.20	\$952.80
2	1149	1E72-S2-RP-LC	rim cylinder housing only	626	\$48.00	48%	\$24.96	\$49.92
2	1149	1E74-C4-RP3-LC	mortise cylinder housing	626	\$50.00	48%	\$26.00	\$52.00
8	536	303AS3684	screw on seal	628	\$39.78	50%	\$19.89	\$159.12
2	536	18061CNB36	brush sweep	628	\$10.80	50%	\$5.40	\$10.80
1	536	171A72"	threshold	628	\$57.60	50%	\$28.80	\$28.80
4	536	FS18	heavy duty wall stop	blk	\$48.00	47%	\$25.44	\$101.76
1	536	270A72	threshold	628	\$38.88	50%	\$19.44	\$19.44
1			1HOTEL AND 2 PER DIEM		\$128.00	0%	\$128.00	\$128.00
			Rental Equipment/Subcontract			0%	\$0.00	\$0.00
			Mileage (\$.445/m outside 50 m radius)		\$0.445	0%	\$0.445	\$0.00
26		Hours	Labor (Field/Shop)				\$75.00	\$1,950.00
Material Sub Total Only								\$6,620.52
Freight 11%								\$728.26
Labor Total Only								\$1,950.00
Per Diem								\$128.00
Rental/Subcontract								\$0.00
Mileage								\$0.00
*Grand Total								\$9,426.78

Plus applicable taxes

(\*) Parts/Accessories Price Book

(\*\*) Parts/Accessories from parts Price Book

Qty	Mfr	Part Number	Description	Finish	List Price Ea.	Mohave Discount	Mohave Unit price	Extended Total
<b>Contract 12J-DHDR-0825 - Doors &amp; Frames</b>								
4	CUR	707S 3070 18ga	hollow metal door prep for closer, rim exit, seamless N FL cutout	prime	\$962.00	60%	\$384.80	\$1,539.20
4	AIR	WS VSL 7 x 22	vision kit w/ wire glass	brz	\$149.00	37%	\$93.87	\$375.48
Material Only Sub Total								\$1,914.68
Freight 12%								\$229.76
Labor Total Only								\$0.00
Per Diem								\$0.00
Rental/Subcontract								\$0.00
Mileage								\$0.00
* Total								\$2,144.44

\* Plus applicable taxes

Navajo County Contracting Tax Rate @ 3.9655 for both contracts: \$ 415.79  
Total for Taylor ES including tax: \$ 11,987.01

**GRAND TOTAL COMPLETE PROJECT \$23,997.19**

**Scope of work:**

Middle School-New hollow metal doors w/ windows, continuous hinges, rim exit devices, closers, screw on seal, sweeps, threshold, key removable mullions

Taylor ES-New hollow metal doors w/ windows, continuous hinges, rim exit devices, closers, screw on seal, sweeps, threshold, key removable mullions

1. Standard manufacturer leadtimes.
2. Includes tax.
3. Permanent cores by owner
4. Excludes painting of doors
5. Quoted as all work to be completed during normal business hours.

**EXCLUSIONS unless specifically included above:**

Electrical wiring or connection to any electrified hardware.

Disconnect, reconnect, or relocation of plumbing, electrical, HVAC or other services.

Cutting, patching and painting of existing walls.

Painting and finishing of unfinished doors and frames.

Framing and rough carpentry and drywall required

Master keying of cylinders to existing key systems.

Installation of customer furnished materials,.

Required building permits and authority having jurisdiction approvals.

This proposal and the prices quoted are conditional upon the buyer's continued credit status and must be accepted by the buyer as made by the seller. Acceptance will be by signing and returning the original of this proposal within 30 days from the date above. Buyer acknowledges and accepts the terms and conditions per Mohave Contract. This proposal constitutes a valid and binding contract between the buyer and the seller. All previous proposals, discussions, and agreements regarding this matter are cancelled.

**DH Pace Door Services**

Buyer: \_\_\_\_\_

John Armenta-Account Manager

Printed name and title

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

District: **Snowflake Unified**  
BRG Project Number: **090205004-1001-003BRG**  
Project Description: **Replace doors and hardware**  
Architect of Record: **n/a**  
Contractor: **DHPace (480-968-3667)**  
Board Approval Date: **12/10/2014**

Navajo County

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost:</b>		
Contingency ①		\$ 11,987
		\$ 2,000
<b>Additional Cost:</b>		
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		\$ -
<b>Total SFB Funded Project Cost:</b>		\$ 13,987
District or Local Funds:		\$ -
<b>SFB Board Approved Amount:</b>		\$ 13,987
<b>Total Project Cost:</b>		\$ 13,987

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:** 11/21/2014 11:13:46 AM

**Application ID:** 1662

**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:** Snowflake Unified District  
**Superintendent:** Hollis Merrell  
**Contact Person:** Mark Ollerton  
**Contact Phone Number:** 928.536.4156  
**Contact Email:** marko@snowflake.k12.az.us; darrenp@snowflake.k12.az.us  
**School Site:** Taylor Intermediate School  
**Buildings:** 1001 100

**Application Title:** Door 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.

Doors are aged wooden interior originally installed when building was built. Doors have vertical latches creating a easy security breach. This has resulted in several break ins into the facility. New doors with a center bar with horizontal push bars would provided added security

**Project Category:** General Renovations

**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 State Legislature has significantly cut capital funds in the district such that the remaining UCO is committed to classroom, technology, transportation and preventative maintenance needs. Note that the Price quote is included in the attachment. The quote referencing TE schools.

**Liaison:** Cruse

pcruse@azsfb.gov

602-364-1193

\_\_\_\_\_  
Superintendent Printed Name



Systems Integration Group  
616 W. 24th Street  
Tempe, AZ 85282  
480-557-7223  
DHPaceArizona.com  
AZ ROC #184002, K-67

Entry Door Systems Group  
616 W. 24th Street  
Tempe, AZ 85282  
480-968-3667  
DHPaceArizona.com  
AZ ROC #183892, K-60

Overhead Door Company of Central Arizona  
A DHPACE Company  
616 W. 24th Street • Tempe, AZ 85282  
480-968-3667  
OverheadDoorCentralArizona.com  
AZ ROC #270220, K-60

## MOHAVE PROPOSAL

Pricing reflects Mohave discounts

Reference 12J-DHDR-0825 and 11F-DHP-0915 when ordering from this proposal

Project Name: Middle School and Taylor ES

Proposal Number: 4795JAR

To: Dan LaGrange  
Snowflake USD #5  
682 School Bus Ln  
Snowflake, AZ 85937  
PH: 928-536-4156 x7789

Date: 11-05-2014

We propose furnish and install the following:

### Middle School

Qty	Mfr	Part Number	Description	Finish	List Price Ea.	Mohave Discount	Mohave Unit price	Extended Total
<b>Contract - 11F-DHP-0915 Hardware</b>								
4	5607	SL-14 CL HD 83	full mort cont hinge	cL	\$149.00	47%	\$78.97	\$315.88
2	754	CD99NL 36"	rim exit w/ cylinder dogging and pull handle w/cylinder hole	26D	\$1,360.00	32%	\$924.80	\$1,849.60
2	754	CD99DT 36"	rim exit w/ cylinder dogging and pull handle	26D	\$1,346.00	32%	\$915.28	\$1,830.56
2	754	KR4954 x 154 7'6"	key removable mullion	prime	\$919.00	32%	\$624.92	\$1,249.84
4	402	4040XP RwPA	closer	689	\$397.00	40%	\$238.20	\$952.80
2	1149	1E72-S2-RP-LC	rim cylinder housing only	626	\$48.00	48%	\$24.96	\$49.92
2	1149	1E74-C4-RP3-LC	mortise cylinder housing	626	\$50.00	48%	\$26.00	\$52.00
8	536	303AS3684	screw on seal	628	\$39.78	50%	\$19.89	\$159.12
4	536	18061CNB36	brush sweep	628	\$10.80	50%	\$5.40	\$21.60
2	536	171A72"	threshold	628	\$57.60	50%	\$28.80	\$57.60
4	536	FS18	heavy duty wall stop	blk	\$48.00	47%	\$25.44	\$101.76
							\$0.00	\$0.00
1			1 HOTEL AND 2 PER DIEM		\$128.00	0%	\$128.00	\$128.00
			Rental Equipment/Subcontract			0%	\$0.00	\$0.00
			Mileage (\$.445/m outside 50 m radius)		\$0.445	0%	\$0.445	\$0.00
26		Hours	Labor (Field/Shop)				\$75.00	\$1,950.00

Material Sub Total Only	\$6,640.68
Freight 11%	\$730.47
Labor Total Only	\$1,950.00
Per Diem	\$128.00
Rental/Subcontract	\$0.00
Mileage	\$0.00
*Grand Total	\$9,449.15

Plus applicable taxes  
(\*) Parts/Accessories Price Book

(\*\*) Parts/Accessories from parts Price Book

Qty	Mfr	Part Number	Description	Finish	List Price Ea.	Mohave Discount	Mohave Unit price	Extended Total
<b>Contract 12J-DHDR-0825 - Doors &amp; Frames</b>								
4	CUR	707S 3070 18ga	hollow metal door prep for closer, rim exit seamless N FL cutout	prime	\$962.00	60%	\$384.80	\$1,539.20
4	AIR	WS VSL 7 x 22	vision kit w/ wire glass	brz	\$149.00	37%	\$93.87	\$375.48
Material Only Sub Total								\$1,914.68
Freight 12%								\$229.76
Labor Total Only								\$0.00
Per Diem								\$0.00
Rental/Subcontract								\$0.00
Mileage								\$0.00
* Total								\$2,144.44

\* Plus applicable taxes

Navajo County Contracting Tax Rate @ 3.9655 for both contracts: \$ 416.59  
Total for Middle School including tax: \$ 12,010.18

**Taylor ES**

Qty	Mfr	Part Number	Description	Finish	List Price Ea.	Mohave Discount	Mohave Unit price	Extended Total
<b>Contract - 11F-DHP-0915 Hardware</b>								
4	5607	SL-14 CL HD 83	full mort cont hinge	cL	\$149.00	47%	\$78.97	\$315.88
2	754	CD99NL 36"	rim exit w/ cylinder dogging and pull handle w/cylinder hole	26D	\$1,360.00	32%	\$924.80	\$1,849.60
2	754	CD99DT 36"	rim exit w/ cylinder dogging and pull handle	26D	\$1,346.00	32%	\$915.28	\$1,830.56
2	754	KR4954 x 154 7"6"	key removable mullion	prime	\$919.00	32%	\$624.92	\$1,249.84
4	402	4040XP RwPA	closer	689	\$397.00	40%	\$238.20	\$952.80
2	1149	1E72-S2-RP-LC	rim cylinder housing only	626	\$48.00	48%	\$24.96	\$49.92
2	1149	1E74-C4-RP3-LC	mortise cylinder housing	626	\$50.00	48%	\$26.00	\$52.00
8	536	303AS3684	screw on seal	628	\$39.78	50%	\$19.89	\$159.12
2	536	18061CNB36	brush sweep	628	\$10.80	50%	\$5.40	\$10.80
1	536	171A72"	threshold	628	\$57.60	50%	\$28.80	\$28.80
4	536	FS18	heavy duty wall stop	blk	\$48.00	47%	\$25.44	\$101.76
1	536	270A72	threshold	628	\$38.88	50%	\$19.44	\$19.44
1			1HOTEL AND 2 PER DIEM		\$128.00	0%	\$128.00	\$128.00
			Rental Equipment/Subcontract			0%	\$0.00	\$0.00
			Mileage (\$.445/m outside 50 m radius)		\$0.445	0%	\$0.445	\$0.00
26		Hours	Labor (Field/Shop)				\$75.00	\$1,950.00
Material Sub Total Only								\$6,620.52
Freight 11%								\$728.26
Labor Total Only								\$1,950.00
Per Diem								\$128.00
Rental/Subcontract								\$0.00
Mileage								\$0.00
*Grand Total								\$9,426.78

Plus applicable taxes

(\*) Parts/Accessories Price Book

(\*\*) Parts/Accessories from parts Price Book

Qty	Mfr	Part Number	Description	Finish	List Price Ea.	Mohave Discount	Mohave Unit price	Extended Total
<b>Contract 12J-DHDR-0825 - Doors &amp; Frames</b>								
4	CUR	707S 3070 18ga	hollow metal door prep for closer, rim exit, seamless N FL cutout	prime	\$962.00	60%	\$384.80	\$1,539.20
4	AIR	WS VSL 7 x 22	vision kit w/ wire glass	brz	\$149.00	37%	\$93.87	\$375.48
Material Only Sub Total								\$1,914.68
Freight 12%								\$229.76
Labor Total Only								\$0.00
Per Diem								\$0.00
Rental/Subcontract								\$0.00
Mileage								\$0.00
* Total								\$2,144.44

\* Plus applicable taxes

Navajo County Contracting Tax Rate @ 3.9655 for both contracts: \$ 415.79  
Total for Taylor ES including tax: \$ 11,987.01



**GRAND TOTAL COMPLETE PROJECT \$23,997.19**

**Scope of work:**

Middle School-New hollow metal doors w/ windows, continuous hinges, rim exit devices, closers, screw on seal, sweeps, threshold, key removable mullions

Taylor ES-New hollow metal doors w/ windows, continuous hinges, rim exit devices, closers, screw on seal, sweeps, threshold, key removable mullions

1. Standard manufacturer leadtimes.
2. Includes tax.
3. Permanent cores by owner
4. Excludes painting of doors
5. Quoted as all work to be completed during normal business hours.

**EXCLUSIONS unless specifically included above:**

Electrical wiring or connection to any electrified hardware.

Disconnect, reconnect, or relocation of plumbing, electrical, HVAC or other services.

Cutting, patching and painting of existing walls.

Painting and finishing of unfinished doors and frames.

Framing and rough carpentry and drywall required

Master keying of cylinders to existing key systems.

Installation of customer furnished materials.

Required building permits and authority having jurisdiction approvals.

This proposal and the prices quoted are conditional upon the buyer's continued credit status and must be accepted by the buyer as made by the seller. Acceptance will be by signing and returning the original of this proposal within 30 days from the date above. Buyer acknowledges and accepts the terms and conditions per Mohave Contract. This proposal constitutes a valid and binding contract between the buyer and the seller. All previous proposals, discussions, and agreements regarding this matter are cancelled.

**DH Pace Door Services**

Buyer: \_\_\_\_\_

\_\_\_\_\_  
John Armenta-Account Manager

\_\_\_\_\_  
Printed name and title

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**SCHOOL FACILITIES BOARD****BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency

  X   Building Renewal Grant Fund

District: **Tolleson Elementary**  
BRG Project Number: 070417002-1008-011BRG  
Project Description: HVAC repairs  
Consultant: n/a  
Contractor: Midstate Mechanical (602-452-8720)

Maricopa County

Board approval: 12/10/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost:</b>		<b>\$ 7,565</b>
Contingency ①		<b>\$ 1,935</b>
<b>Additional Cost:</b>		
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		<b>\$ -</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 9,500</b>
District or Local Funds:		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 9,500</b>
<b>Total Project Cost:</b>		<b>\$ 9,500</b>

① Contingency shall only be used with SFB staff approval.

**Building Renewal Grant Application**

**Initial Submission Date:** 11/17/2014 1:53:02 PM

**Application ID:** 1654

**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 Elementary District

**Superintendent:** Lupita Hightower

**Contact Person:** James Serbin

**Contact Phone Number:** 623-533-3930

**Contact Email:** jserbin@tesd.k12.az.us

**School Site:** Arizona Desert Elementary (formerly Tolleson Early Childhood Center)

**Buildings:** 1008 Gym Building E500

**Application Title:** Repair 15 Ton York Packaged unit on the gym

**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 15 Ton York unit serving a gymnasium and installed in 2009 is currently non-operational with the following noted issues:

- 1) Both the compressors are non-functional
- 2) The reversing valve does not operate
- 3) One of the condenser fan motors does not operate

Scope: Replace two (2) compressors, one (1) condenser fan motor, one (1) reversing valve, two (2) filter dryers

Estimated Cost to Repair: \$8,000

**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.

## Building Renewal Grant Application

**Liaison:** Breuer

gbreuer@azsfb.gov

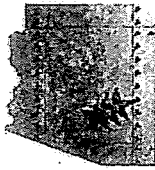
602-542-6139

Guadalupe Hightower  
Superintendent Printed Name

[Signature]  
Superintendent Signature

11/18/12  
Date





**MIDSTATE  
Mechanical**

**Patrick Arthur  
Special Projects  
Office: 602-452-8720  
FAX: 602-452-8791**

# Proposal

**Date:** 7/25/2014  
**To:** Enrique Garcia  
**Of:** AZ Desert Elementary  
8803 West Van Buren  
**FAX:** 0  
**Re:** Compressor replaement

**Total Pages, Including Cover: 1**

This is the proposal you requested to perform the following repairs:

Remove and replace (2) existing compressors, condenser fan motor, (2) contactors, (1) reversing valve, (2) filter dryers and (3) new fuses. The unit was diagnosed after a service call for the unit being down. This repair includes the evacuation of refrigerant, new refrigerant and purge of the old refrigerant piping for the burnt out compressor.

This proposal excludes sales tax and any work that may become evident as results of the above described work. This proposal will be invalid after 30 days.

We will complete the above repairs for:

**\$7,564.16**

Thank you for the opportunity to provide this service.

*Patrick Arthur*

**Patrick Arthur  
Special Projects  
Midstate Mechanical**

Printed Name

Approval:

Signature

PO#:

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

District: **Tucson Unified**  
BRG Project Number: 100201225-9999-015BRG Pima County  
Project Description: Replace intercom system  
Consultant: n/a  
Contractor: Roh's Commercial Audio and Video (520-722-9609)

Board approval: 12/10/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost:</b>		<b>\$ 6,410</b>
Contingency ①		<b>\$ 690</b>
<b>Additional Cost:</b>		
Architecture / Engineering (A&E) Fees		
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		<b>\$ -</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 7,100</b>
District or Local Funds:		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 7,100</b>
<b>Total Project Cost:</b>		<b>\$ 7,100</b>

① Contingency shall only be used with SFB staff approval.

**Building Renewal Grant Application**

**Initial Submission Date:** 8/29/2014 3:39:37 PM

**Application ID:** 1494

**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:** Tucson Unified District  
**Superintendent:** Dr. H. T. Sanchez  
**Contact Person:** Marcus E. Jones, R.A.  
**Contact Phone Number:** 520-225-2442  
**Contact Email:** marcus.jones@tusd1.org  
**School Site:** Fruchthendler Elementary School  
**Buildings:** 9999 School Wide

**Application Title:** Central Intercom System 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.

The central intercom system at Fruchthendler needs to be replaced. The unit has reached a point that it fails on a regular basis and is unreliable. District stockpile of salvaged components has been exhausted. The audio quality of the call paging has degraded to a point that it can no longer be understood presenting emergency concerns.

**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 system is outdated and there are no insurance funds that would cover this replacement.

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

DR. H. T. SAUCHEZ  
Superintendent Printed Name

Marcus E. Jones FOR 9-22-14  
Superintendent Signature DR. H. T. SAUCHEZ Date



1634 S. Research Loop Ste 150  
Tucson, AZ 85710  
Commercial Department Phone Numbers  
Phone: (520) 722-9609 Fax: (520)745-5355  
AZ Contractor License (K-L67) ROC 273069

## PRICE QUOTATION

TO: TUSD

Date: 8/25/14

Attn: Bob Titus  
Email

Quantity	Description	Unit Price	Amount
Re: Dukane MCS350/64 Central Intercom System Wall Mounted.			
1	Dukane MCS350/64 Intercom Central		\$4,497.41
1	Dukane ACC5 Administrative Control Console		\$ 715.97
1	Dukane ACC5 Administrative Control Console		\$ 715.97
	Shipping		\$ 0.00
	Sub Total		\$5,929.35
	Tax		\$ 480.28
	Total		\$6,409.63

Quotation valid for 30 days.

*Mac Macomber*  
Senior Project Engineer

**SCHOOL FACILITIES BOARD****BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency

  X   Building Renewal Grant Fund

**District:** **Tucson Unified**  
**BRG Project Number:** 100201417-9999-016BRG  
**Project Description:** Chiller replacement  
**Consultant:** BESP (Sameer Pandey 602-377-2679)  
**Contractor:** TBD

Pima County

Board approval: 12/10/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost:</b>		<b>\$ 200,000</b>
Contingency ①		\$ 20,000
<b>Additional Cost:</b>		
Architecture / Engineering (A&E) Fees		
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ 35,000
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		<b>\$ 35,000</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 255,000</b>
District or Local Funds:		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 255,000</b>
<b>Total Project Cost:</b>		<b>\$ 255,000</b>

① Contingency shall only be used with SFB staff approval.

**Building Renewal Grant Application**

**Initial Submission Date:** 9/20/2014 9:15:44 PM

**Application ID:** 1547

**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:** Tucson Unified District  
**Superintendent:** Dr. H. T. Sanchez  
**Contact Person:** Marcus E. Jones, R.A.  
**Contact Phone Number:** 520-225-4802  
**Contact Email:** marcus.jones@tusd1.org  
**School Site:** Tolson Elementary School  
**Buildings:** 1001 TOLE1001

**Application Title:** Central Plant Equipment and Controls 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.

The existing chiller in Tolson's Central Plant is over 40 years old. Except for the boiler which is in acceptable condition, the equipment and the control systems in the plant are in need of replacement. There are code issues such as the lack of refrigerant alarms that need to be reviewed with corrective action determined and completed. The existing air handlers are controlled by pneumatics and their conditions should also be investigated for replacement needs.

**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 has no funding with which to address this needed work.

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

\_\_\_\_\_  
Superintendent Printed Name

BESP, LLC  
219 S. William Dr. # 137  
Gilbert, AZ 85233  
Tel: (602) 377-2679 Fax: (480) 629-5645  
sameerpandey@besp.us  
www.besp.us



November 23, 2014

Marcus Jones  
Architecture & Engineering  
Tucson Unified School District  
2025 E. Winsett Road  
Tucson, AZ 85719

Ref: Assessment of central plant at Tolson Elementary School

Dear Marcus,

Per district's request, BESP performed an assessment of the central plant at Tolson Elementary School to determine the cause of inadequate cooling/heating at Tolson Elementary classrooms. During our assessment, we noted that central plant along with school building was built in 1972. It was also noted that a number of classroom buildings along with a new administrative building were added during 1990s.

The district has upgraded a boiler, a cooling tower and a condenser water pump in recent years, and are in relatively good condition. The 100 Ton Carrier chiller and chilled water pump are original and are forty two (42) years old. Please note that cooling load of the school building has increased over the years with addition of new buildings, while the cooling capacity of the chiller has remained the same.

Per our evaluation, we noted down few major concerns in the central plant operations:

1. There is no refrigerant alarm system in the plant room, which is a major safety concern.
2. The exhaust system in the plant room is inadequate.
3. The forty-two (42) years old chiller along with chilled water pump have more than exceeded its useful life. The chiller is currently demanded to satisfy more cooling load than originally designed. As a result, it is showing major operational problems including loading/unloading issues.
4. The plant is controlled by an original pneumatic control system. The condition and age of the existing chiller combined with antiquated control system is unable to operate properly to meet buildings' cooling load demand.

BESP recommends that the existing chiller, chilled water pump and pneumatic control system be replaced with a new chiller, pump and a control system. It is recommended to upsize the chiller to match the existing cooling tower load.

As we understand, the district has an approved fund to upgrade the building's pneumatic control system. It is our advice for the district to design a new control system to include both classroom building and the central plant to optimize chiller/boiler operation.

We estimate the design and installation cost to upgrade the central plant and its control system at Tolson Elementary School as the following:

**Scope:** Replace existing chiller, chilled water pump ; Upgrade existing central plant control system; Replace and/or re-configure chilled water piping system as required; Upgrade central plant to comply with existing code & safety standard with addition of refrigerant alarm system, exhaust system, piping insulation etc.,

1) Design Services - \$35,000

- a. Chiller, chilled water pump and control system design & documentation - \$20,000
  - i. Design & specify chiller, chilled water pump and piping system
  - ii. Design & specify central plant components for safety and code compliance
  - iii. Design & specify control system including:
    - 1. Input/output point list for chiller, AHUs, FCUs
    - 2. Network architecture
    - 3. Specify global controller, master controller, unitary controller, gateways
    - 4. Sequence of operation/Equipment interface
  - iv. Produce construction documents
  - v. Prepare bid documents, review and provide recommendation
- b. Construction administration - \$15,000
  - i. Site visits/meeting
  - ii. Installation verification & Commissioning
  - iii. Site verification of trend Logs
  - iv. Close-out documentation review

2) Estimated Construction/Installation Cost - \$200,000

Please let us know if you have any questions or need clarifications.

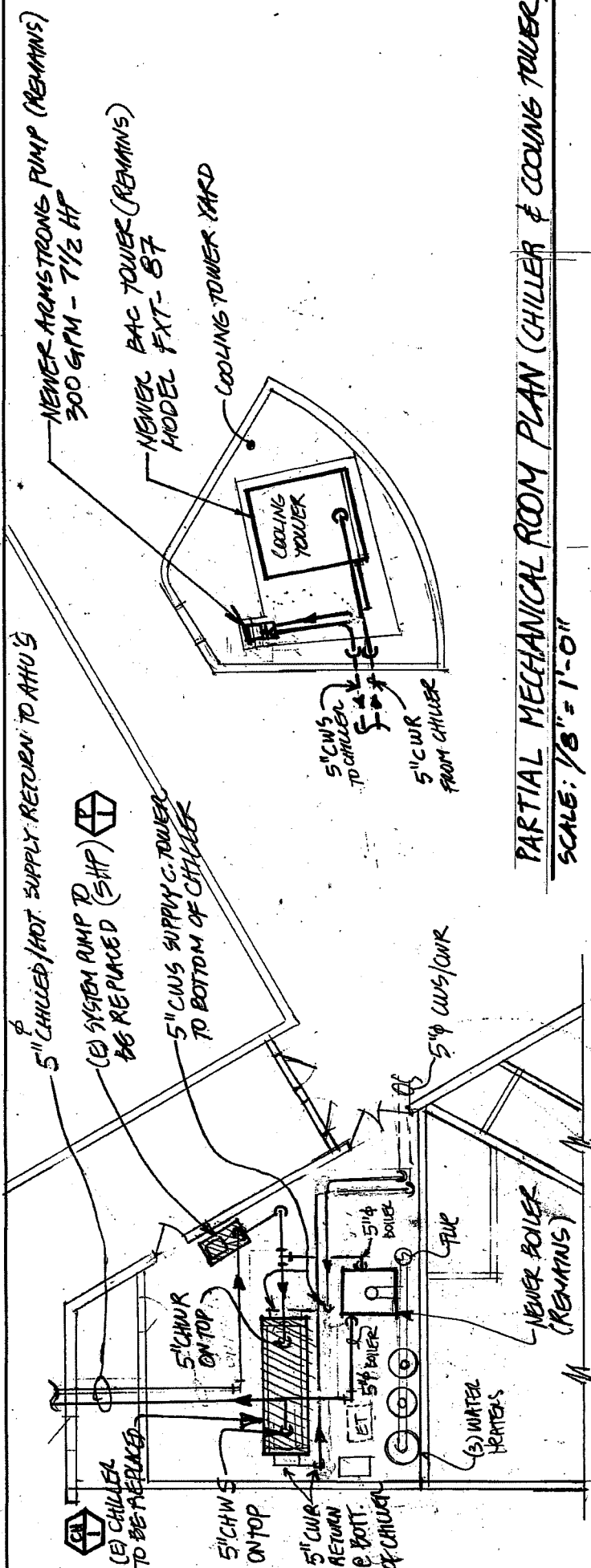
Sincerely,

Sameer R Pandey PE (Mech), CEM, LEED  
Principal Engineer, BESP  
sameerpandey@besp.us  
602-377-2679

**Attachments:**

- 1) Sketch- Tolson Elementary Central Plant Room
- 2) Photos- Existing Chiller & Piping





**PARTIAL MECHANICAL ROOM PLAN (CHILLER & COOLING TOWER)**  
 SCALE: 1/8" = 1'-0"

**NOTE: EXISTING WATER-COOLED CHILLER, 6" INERTIA CONCRETE PAD IS MOUNTED ON VIBRATION ISOLATORS. SIZE OF PAD = 4 FT. x 12 FT.**

**REFRIGERANT LEAK DETECTION SYSTEM**

A. Provide a refrigerant leak detection system where required by Code and these Standards. Areas include but are not limited to the following:

1. Mechanical rooms where refrigerants are used for refrigeration equipment and within piping between equipment components,
2. Be capable of detecting the presence of the refrigerant(s) utilized within the chiller system(s), providing various stages of alarming, and capable of continuously displaying the specific gas (refrigerant used) concentration.

NEW - WATER COOLED CHILLER SCHEDULE											
MARK	MANUFACTURER	MODEL	TONS	EVAPORATOR			CONDENSER			COMPRESSOR	WEIGHT
				GPM	EWT	LWT	PASSES	MAX F.P.S.	EWT	LWT	
CH 1											460-3ph

VERIFY SIZE 125-150 TONS (RE-USE PAD)

NEW - SYSTEM PUMP SCHEDULE									
MARK	MFR.	MODEL	DUTY	GPM	HEAD FT.	MOTOR		OPER. WEIGHT	REMARKS
						HP	RPM		
P 1					40'	5	1750	460-3-40	HEATING/COOLED SYSTEM WATER BASE MOUNTED

PROVIDE NEW REFRIG. DETECTION SYSTEM. INTERLOCK W/ NEW EXH. FAN

	PROJECT NAME:	TOLSON ELEMENTARY SCHOOL		SUBJECT:	CENTRAL PLANT UPGRADES		DATE: NOV-20-14
	ADDRESS:	1000 S. GREASEWOOD RD. TUCSON AZ. 85745		SCOPE:	WATER COOLED CHILLER REPLACEMENT		BY: BESP
					DWG:	SK-1	

NOTE: PUMP ON 11" x 17" TO SCATE

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

District: **Young Elementary**  
BRG Project Number: **040305001-9999-001BRG**  
Project Description: **Repair portions of perimeter fencing**  
Architect of Record: **n/a**  
Contractor: **Liberty Fence & Supply (928-537-3333)**

Gila County

Board approval: 12/10/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost</b>		<b>\$ 677</b>
<b>Contingency ①</b>		<b>\$ 1,823</b>
Architecture / Engineering (A&E)		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		<b>\$ -</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 2,500</b>
District Share (Local Funds):		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 2,500</b>
<b>Total Project Cost:</b>		<b>\$ 2,500</b>

① Contingency shall only be used with SFB staff approval

**Building Renewal Grant Application**

**Initial Submission Date:** 9/25/2014 10:06:13 AM

**Application ID:** 1533

**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:** Young Elementary District  
**Superintendent:** Linda Cheney  
**Contact Person:** Linda Cheney or Thomas Rye  
**Contact Phone Number:** 928.462.3244  
**Contact Email:** lcheney@youngschool.org, trye@youngschool.org  
**School Site:** Young Elementary School  
**Buildings:** 9999 School Wide

**Application Title:** Perimeter Fence Repair Project

**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.

**Demographics:** Young is a small, isolated community in the central mountains of Arizona with a population of approximately 700 people, and is separated from mainline communication and commerce by many miles of mountainous and winding dirt roads. Young Elementary School District #5 technically contains a separate K-8 elementary school and a "teaching" high school (one of the few left in the state), but both schools exist in a single academic building, separated by the administrative offices. The campus spans 13.7 acres and includes a gym/cafeteria, vocational building/auto shop/ production greenhouse various out-buildings, and a community complex.

**Financial Need:** The socio-economic status of most Young families is low, and 88% of our students qualify for the free or reduced lunch program. Given the small and isolated nature of the community, the primary tax rate is high, so bonding for capital improvements is out of the question. Young residents pride themselves in the fact that the district has never floated a bond or been encumbered. The school and community have been good stewards of their funding and have spent frugally, accounting for the availability of the funds described below that have enabled the district to proceed with safety and security enhancements thus far.

**Justification for Project:** Young Public School is located on 13.7 acres in the town of Young. The school is surrounded by a chain-link fence, 6' in some places and 4' in others. The fence has been erected in pieces, over the years, and much of it has rusted out or lost its flexibility. There are many places where the sections don't join and gaps exist. Top rails are missing, and posts are uneven or bent. Until recently, the main function of the fence has been to keep cows off the school grounds and to prevent drivers from cutting across the property from one road to another. However, since the recent increase in school violence

## Building Renewal Grant Application

in general, and the events of Sandy Hook in particular, awareness has heightened in the area of school safety and security. The current fence surrounding YPS does not provide the secure perimeter around our campus necessary to limit access to our campus and protect students and staff from intruders.

Contribution from This Grant: This grant would allow for the much needed repair of existing fencing that is no longer sufficient to meet the needs and security requirements of the school. Maps and diagrams are included to illustrate the desired project.

Project Description: The project has four phases (see photographs and bid from Liberty Fence and Supply):

Phase 1- Perimeter Fencing: Removal and replacement of 175' of chain-link fencing, including replacing and relocating one gate, replacement of posts, and additional extensions to corner posts.

Phase 1 Cost: \$4,103

Phase 2-Archway Entry: Closing gaps between fence and existing archway, and replacing 12' of fencing.

Phase 2 Cost: \$677

Phase 3-Perimeter Gate: Removal and replacement of gate posts, replacing fittings and hinges, and removing excess material.

Phase 3 Cost: \$730

Total Contribution from this grant: \$5510

School Contribution:

Phase 4-New Fencing: Installation of new fencing to further limit campus access and funnel guests and intruders into the office.

Phase 4 Cost: \$9,097

YPS will also cover bonds, grading, staking, and electrical for the entire project.

Recently Completed Facility Assessments: In February of 2013, in preparation for a multi-agency emergency school safety planning meeting, requested and hosted by YPS, an assessment of facilities was conducted by YPS staff and administration. While YPS facilities are adequate for the appropriate education of students, security was found to be lacking. Historically, the school has been the center of community activities and has been an open and welcoming place for families and community groups to picnic, play basketball or baseball, and to participate in other activities. Our challenge has been to preserve the open community spirit of the school, while protecting students and staff during instructional hours. We believe we have created a safety plan that will accomplish both goals, and repairs to our perimeter fence are crucial.

How this Project Supports the District Emergency Response Plan: The main hazards identified in Young Public School's Emergency Response Plan are: active shooter, intruder/hostage, terrorism, bomb threat, bus accident, chemical or hazardous materials spill, explosion, fire, flood, medical emergency, and severe weather. The effects of the first three; active shooter, intruder, and terrorism can be mitigated to a significant degree by controlling access to our campus through the proposed fencing project.

YPS Commitment to School Safety: On February 13, 2013, in response to growing concern for school safety on a national, state, and local level, Young Public School called a meeting of all state, county, and local agencies and businesses that would likely be called to our school site in the event of an emergency or disaster. The purpose of this meeting was so that participants could: visit and become acquainted with the geographical layout of Young and the YPS campus; view current and proposed security measures; provide input to assist YPS in creating a complete and effective Emergency Response Plan; collaborate with

## Building Renewal Grant Application

members of other agencies and open communication lines that would facilitate quick and efficient response to an incident at YPS; become aware of special challenges that YPS faces because of our remote location; and make YPS aware of challenges and potential problems that we might have overlooked. The thirty-nine attendees at the meeting included representatives from Arizona Department of Public Safety, Gila County Sheriff's Office, Pleasant Valley Fire Department, Gila County Emergency Services, AirEvac, Gila County Attorney's Office, Arizona Department of Education, Midvale Communications, , Arizona Department of Transportation, US Forest Service, Gila County Roads, Pleasant Valley Propane, Young Public School Board and Staff, and community members. In this meeting a plan to secure our campus was presented, and agency representatives were walked through the plan and asked for their input. The plan was approved, and alliances were built to facilitate training and collaboration with these agencies. During the past year and a half, since the meeting, YPS has proceeded with the plan in the areas of physical and technological campus security, best safety practices by staff and students, and community awareness.

YPS History of Recent Expense: Early in the 2013-14 school year, the district received word that the State Legislature had rescinded the statute that provided building renewal funding for Arizona schools, and with that, the authorization to spend the funds already in our Building Renewal Fund. We were advised by our attorney that it would be prudent use the funds in order to avoid losing them. Along with making some much-needed repairs to sidewalks and heating systems, these funds were used to install security equipment and systems, and some were used to enhance systems already in place. This enhancement of our security systems included; installation of an electronic gate to control ingress and egress in our student-staff parking lot, rekeying of the entire campus, enhancement of our video surveillance system and installation of security doors in our academic building to funnel visitors through our main office. The funding wasn't sufficient to add the security fencing that was outlined in our Safety Plan, or to repair the existing fencing that does not insure the security of the campus.

**Project Category:** General Renovations

**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	\$10,000.00
--	-------------

Please outline any associated insurance coverage.

**Liaison:** Cruse

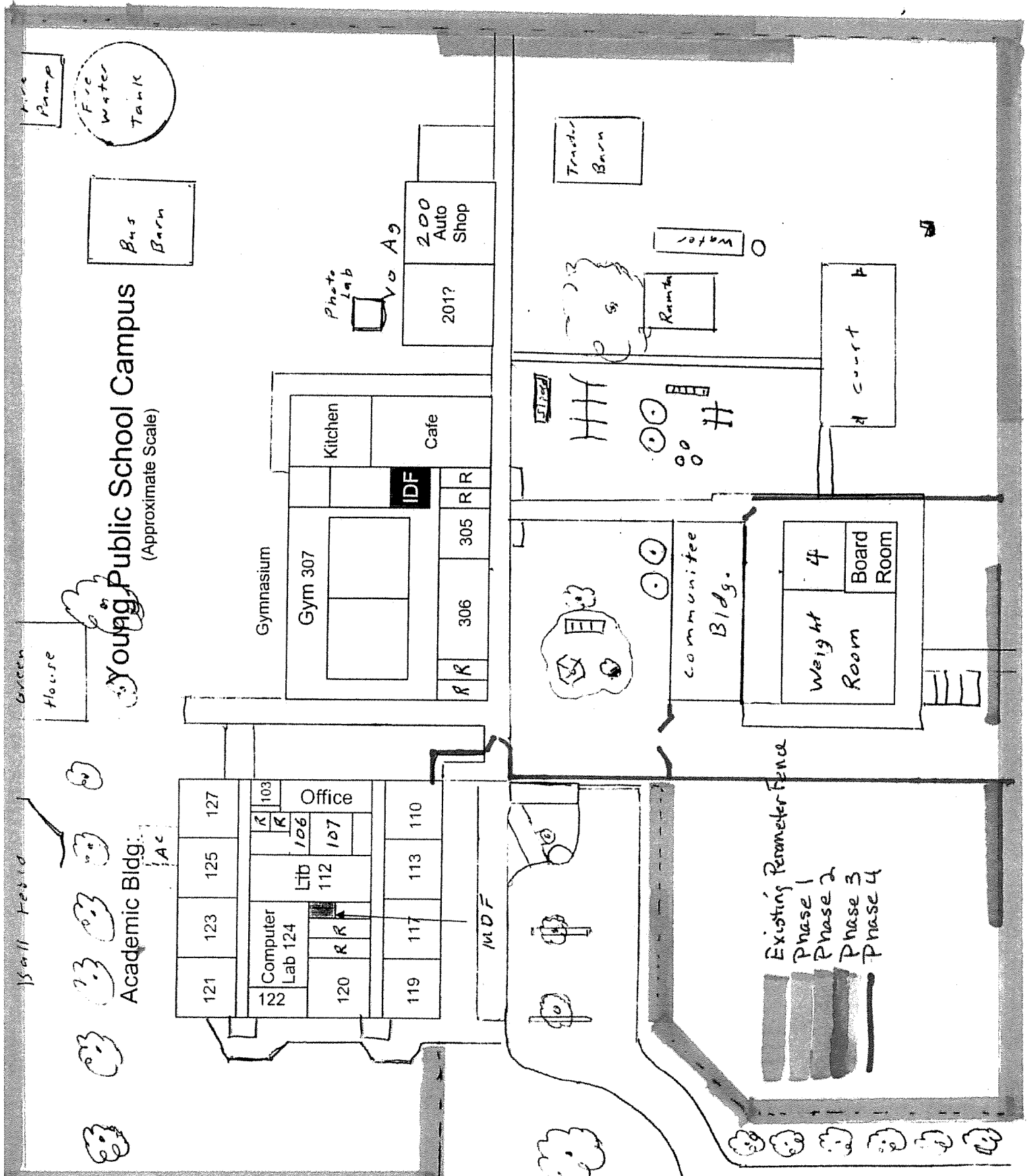
pcruse@azsfb.gov

602-364-1193

\_\_\_\_\_  
Superintendent Printed Name

\_\_\_\_\_  
Superintendent Signature

\_\_\_\_\_  
Date





Contractor's Licensed #ROC173360, 173361

January 30, 2014

Young Schools

Attn: Tom Rye

Project: Young School Fencing Projects

Please accept the bid below

**Base Bid – Perimeter Fencing \$4103.00**

- Remove 175' of existing chain link and replace with new 6' 9ga chain link
- Cut in relocated gate with new 2 7/8 terminals
- One new 4'x6' chain link gate
- Replacement of six damaged line posts with new 1 7/8 ss20 line posts
- Welding extension to existing corner post and raising existing fence

**Base Bid – Archway Entry \$677.00**

- Remove two existing terminal posts
- Extend fence over to archway
- Install 12' of new 6' 9ga from gate post to archway post

**Base Bid – Perimeter Gate \$730.00**

- Remove and replace both gate posts with new 2 7/8 ss20 terminals
- Replace fittings and gate hinges
- Cut existing drop rod off

**Base Bid – New Fencing \$9097.00**

- Install 442' of 6' 9ga
- Install one 8x6, one 6x6, one 5x6, and one 16x6 1 7/8 framed gates
- Remove 73' of existing 4' chain link fencing
- Install one 4" terminal 17' out of ground for light pole
- Core drill 3 holes
- Custom weld fittings and tension bar to attach 6' chain link to existing steel post

**Excludes:** Bonds, grading, staking, and electrical.

Sincerely,

*Mark Stone*

Project Manager

P.O. Box 2920 • Show Low, AZ 85902 • (928) 537-3333 • (800) 537-3034 • (928) 537-7721

**STATE OF ARIZONA  
SCHOOL FACILITIES BOARD**

**Meeting Date: December 10, 2014**

**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)**

**Balsz Elementary**

**Background – Balsz Elementary (David Crockett ES – repair chiller piping)**

Balsz Elementary has submitted a Building Renewal Grant request for the repair of the chilled water piping at David Crockett Elementary School. The chiller piping is showing signs of failures that need to be repaired and or replaced.

Balsz Elementary, located in the Phoenix metropolitan area, has five schools. David Crockett Elementary School is comprised of 17 buildings constructed between 1954 and 1997, totaling 82,819 square feet.

The chilled water piping is showing signs of failure and requires an engineering assessment to determine the necessary repairs. The engineer's proposal for design services is \$2,500.

**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 – Balsz Elementary (David Crockett ES – repair chiller piping)**

Staff recommends 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.

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

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.

**Attachments: Yes [ X ]       No [ ]**



**SCHOOL FACILITIES BOARD****BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency

  X   Building Renewal Grant Fund

District: **Balsz Elementary**  
BRG Project Number: **070431102-9999-002BRG**  
Project Description: **Repair chiller piping**  
Architect of Record: **BESP (Sameer Pandey 602-377-2679)**  
Contractor: **TBD**

Maricopa County

Board approval: 12/10/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost</b>		\$ -
Contingency ①		\$ -
Architecture / Engineering (A&E) Fees		\$ 2,500
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		<b>\$ 2,500</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 2,500</b>
District Share (Local Funds):		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 2,500</b>
<b>Total Project Cost:</b>		<b>\$ 2,500</b>

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:** 12/1/2014 3:15:29 PM

**Application ID:** 1684

**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:** Balsz Elementary District

**Superintendent:** Dr. Jeff Smith

**Contact Person:** Doyel Chancey

**Contact Phone Number:** 602-629-6484

**Contact Email:** dchancey@balsz.org

**School Site:** David Crockett School

**Buildings:** 9999 School Wide

**Application Title:** Crockett Chilled Water Loop

**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 chilled water loop including the piping to the air handlers in all wings of the school is old and the district is experiencing intermittent leaks. Before this becomes a major problem the district requests consideration for a building renewal grant to replace the piping.

**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

Dr. Jeffery Smith  
Superintendent Printed Name

Jeffery J. Smith  
Superintendent Signature

12/1/14  
Date

12/1/2014 3:15:28 PM

1

**Application ID:** 1684

BESP, LLC  
219 S. William Dr. # 137  
Gilbert, AZ 85233  
Tel: (602) 377-2679 Fax: (480) 629-5645  
info@besp.us  
www.besp.us



## **PROPOSAL**

December 1, 2014

Tim Leedy  
Director of Business Services  
Balsz Elementary District  
4825 E. Roosevelt St.  
Phoenix, AZ 85008

RE: Assessment of Chilled Water Pipes at Crockett Elementary School-Balsz ESD

Dear Mr. Leedy,

Please find below scope and fee to study chilled water pipes at Crockett Elementary School. The proposal is based on SAVE Contract # 13-04-17 originated by Tolleson ESD.

- 1) Site assess chilled water pipes for possible leaks or rust.
- 2) Analyze water testing report or perform water test, if required.
- 3) Prepare an assessment report.

BESP's Fee: \$2,500 (NTE)

Please let me if you have any questions or need clarifications.

Sincerely,

Sameer R Pandey PE (Mech.), CEM  
Principal Engineer, BESP  
602-377-2679 (cell)  
sameerpandey@besp.us

**STATE OF ARIZONA  
SCHOOL FACILITIES BOARD**

**Meeting Date: December 10, 2014**

**Agenda Item V.e.**

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

**Canon Elementary  
Holbrook Unified  
Littlefield Unified  
Mohave Valley Elementary  
Round Valley Unified (2 requests)  
Safford Unified (2 requests)**

**Background – Canon Elementary (Canon ES – correct drainage)**

Canon Elementary has submitted a Building Renewal Grant request for repairs to the existing storm water drainage that is causing erosion at classroom Building 1001 at Canon Elementary School.

Canon Elementary, located 45 miles north of Phoenix, has one school. Canon Elementary School is comprised of three buildings constructed between 1982 and 2001, totaling 36,790 square feet. Building 1001 was built in 1982 totaling 4,315 square feet.

The district requested the services of a civil engineer to submit a proposal for a site survey of the existing drainage plan and the necessary improvements to alleviate the erosion problems.

The engineer submitted a proposal in the amount of \$2,800.

**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 work.

**Staff Recommendation – Canon Elementary (Canon ES – correct drainage)**

Staff recommends 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.

**Background – Holbrook Unified (Holbrook HS – correct drainage and repair courtyard)**

Holbrook Unified has submitted a Building Renewal Grant request to correct the drainage onto the concrete courtyard at Holbrook High School. The concrete in the school courtyard is cracking and is severely spalled causing tripping hazards.

Holbrook Unified, located 60 miles east of Flagstaff, has seven schools. Holbrook High School is comprised of fifteen buildings constructed between 1955 and 2008, totaling 159,182 square feet.

Staff visited the site and found a portion of the courtyard to be destroyed apparently due to the freeze/thaw of the runoff of rain and snow from the roofs.

Staff recommends an engineering study to investigate, provide a solution and provide construction bid documents for the repair. The professional services fee for the design is \$8,200.

#### 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 – Holbrook Unified (Holbrook HS – correct drainage and repair courtyard)

Staff recommends 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.

#### Background – Littlefield Unified (Beaver Dam ES – repair roof)

Littlefield Unified has submitted a Building Renewal Grant request to repair the leaking roof at classroom Building 1008 at Beaver Dam Elementary School.

Littlefield Unified, located 110 miles north of Kingman, has two schools. Beaver Dam Elementary School is comprised of nine buildings constructed between 1985 and 2003, totaling 46,480 square feet. Building 1008 was built in 1999, totaling 27,257 square feet.

The district requested a proposal from their architect to survey the roof and generate a recommendation for repairs.

The district received a proposal for the survey in the amount of \$1,375.

#### 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 – Littlefield Unified (Beaver Dam ES – repair roof)

Staff recommends 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.

#### Background – Mohave Valley Elementary (Mohave Valley ES – replace two HVAC units)

Mohave Valley Elementary has submitted a Building Renewal Grant request to replace two wall-mounted HVAC units that are failing and not maintaining the required temperature in classroom Building 1013 at Mohave Valley Elementary School.

Mohave Valley Elementary, located 180 miles northwest of Phoenix along the Colorado River, has four schools. Mohave Valley Elementary is comprised of twenty buildings constructed between 1964 and 1998, totaling 83,637 square feet. Building 1013 was completed in 1964, totaling 1,664 square feet.

Staff visited the school site. The district received an engineering design proposal, as the existing system needs to be evaluated before replacing the two HVAC wall units. The engineer's design proposal received was in the amount of \$5,000.

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 – Mohave Valley Elementary (Mohave Valley ES – replace two HVAC units)

Staff recommends 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.

Background – Round Valley Unified (Round Valley HS – correct electrical issues)

Round Valley Unified has submitted a Building Renewal Grant request for investigation of the electrical issues in the gym lighting Building 1002 at Round Valley High School.

Round Valley Unified, located 225 miles northeast of Phoenix, has four schools. Round Valley High School is comprised of thirteen buildings constructed between 1931 and 2002, totaling 312,452 square feet. Building 1002 was built in 1949, totaling 21,325 square feet.

The district has replaced all the existing high bay lights in the gym building with new efficient LED light fixtures. The replacement lights are failing. The district has sent the lights back to the manufacturer and has been told by the manufacturer that the failure is not in the lights. At issue is the electrical service to the building. The manufacturer believes that more than 130 volts of electricity is being delivered to the lights causing the failure. The cause of this type of fixture failure can be surges, delivery of electricity in excess of 130 volts, etc.

SFB staff has visited the school and agrees with the need for an engineering study to determine the cause of the lighting failure and the proper solution. The cost of the engineering to develop construction bid documents and a power study is \$13,667.

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 – Round Valley Unified (Round Valley HS – correct electrical issues)

Staff recommends 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.

**Background – Round Valley Unified (Round Valley HS – replace emergency exit lighting)**

Round Valley Unified has submitted a Building Renewal Grant request to replace the emergency exit lighting throughout Round Valley High School. The existing system has failed and does not meet code.

Round Valley Unified, located 225 miles northeast of Phoenix, has four schools. Round Valley High School is comprised of thirteen buildings constructed between 1931 and 2002, totaling 312,452 square feet.

The State Fire Marshal has cited the school due to the failure of the existing lighting system. Staff has visited the school and agrees with the need for replacement of the emergency exit lighting system.

**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 – Round Valley Unified (Round Valley HS – replace emergency exit lighting)**

Staff recommends 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.

**Background – Safford Unified (Safford HS – replace roofs)**

Safford Unified has submitted a Building Renewal Grant request to replace the roof of classroom Building 1002 and gymnasium Building 1003 at Safford High School.

Safford Unified, located 165 miles southeast of Phoenix, has six schools. Safford High School is comprised of eight buildings constructed between 1980 and 2007, totaling 187,791 square feet. Building 1002 was built in 1988, totaling 37,617 square feet and Building 1003 was built in 1980, totaling 18,972 square feet.

SFB staff visited the school and found the roofs have served beyond their lifetime, can no longer be maintained, and are causing leaks into the building. The district requested a proposal for professional services.

The architect provided a proposal for the initial field investigation in the amount of \$1,125.

**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 – Safford Unified (Safford HS – replace roofs)**

Staff recommends 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.

**Background – Safford Unified (Dorothy Stinson ES – replace roof)**

Safford Unified has submitted a Building Renewal Grant request to replace the roof on classroom Building 1005 at Dorothy Stinson Elementary School.

Safford Unified, located 165 miles southeast of Phoenix, has six schools. Dorothy Stinson Elementary School is comprised of nine buildings constructed between 1970 and 2004, totaling 52,885 square feet. Building 1005 was built in 1983, totaling 7,182 square feet.

Staff visited the school and found the roof is 31 years old, failing and causing leaks into the building. Due to the complexity of the reroof requirement, the district requested a proposal for professional services.

The district received a proposal for the initial field investigation in the amount of \$1,125.

**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 – Safford Unified (Dorothy Stinson ES – replace roof)**

Staff recommends 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.

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

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.
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.

**Attachments: Yes [ X ]      No [   ]**

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

District: **Canon Elementary**  
BRG Project Number: **130350101-1001-005BRG**  
Project Description: **Correct drainage**  
Architect of Record: **Broderick Engineering (480-926-6333)**  
Contractor: **TBD**  
Board Approval Date: **12/10/2014**

Yavapai County

<b>School Facilities Board Action Approved as recommended by Staff</b>		<b>Staff Rec. or Approved</b>
<b>Base Cost</b> (cost estimate provided by architect or contractor)		<b>\$ -</b>
Contingency ①		<b>\$ -</b>
Architecture / Engineering (A&E) Fees		<b>\$ 2,800</b>
Survey & Required Reports, Printing, Permits, Advertising, Etc.		<b>\$ -</b>
Testing & Inspection		<b>\$ -</b>
<b>Total Additional Cost:</b>		<b>\$ 2,800</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 2,800</b>
District Share (Local Funds):		<b>\$ -</b>
<b>SFB Board Approved Amount:</b>		<b>\$ 2,800</b>
<b>Total Project Cost:</b>		<b>\$ 2,800</b>

① Contingency shall only be used with SFB staff approval.

**Building Renewal Grant Application**

**Initial Submission Date:** 11/24/2014 9:46:04 AM

**Application ID:** 1668

**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:** Canon Elementary District

**Superintendent:** Angela Jangula

**Contact Person:** Darrell Merrill

**Contact Phone Number:** 623-680-7649

**Contact Email:** dmerrill@canon50.com

**School Site:** Canon Middle School

**Buildings:** 9999 School Wide

**Application Title:** Water Drainage

**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 storm water drainage system inadequate. Failing and causing erosion around school buildings.

**Project Category:** General Renovations

**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

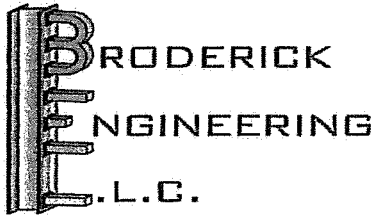
gbreuer@azsfb.gov

602-542-6139

Angela Jangula  
Superintendent Printed Name

Angela E. Jangula  
Superintendent Signature

11/24/14  
Date



Civil & Structural Engineering Consulting

November 20, 2014

Mr. Darryl Merrill  
Canon School District  
34630 E School Road loop  
Black Canyon City, AZ 85324

Re: Canon School HVAC Replacement Investigation -

Dear Darryl;

We appreciate your request to submit the following limited services agreement to provide engineering services for the above-mentioned project. This proposal is based on our telephone conversations held on November 6<sup>th</sup> and November 20<sup>th</sup>.

**Scope of Limited Structural Services:**

The project consists of providing structural engineering services, and a Structural analysis of the existing roof structure for the intent of replace a single HVAC unit on the roof. We will perform a site visit to the school, and review the existing construction drawings (provide by you for our review).

Fee for Limited Structural Services: \$1,600

**Scope of Site Civil Services:**

The project consists of visiting the property and conducting research in relation to drainage and/or flooding problems on the school property, especially near the east modular buildings and the playground area. We will obtain a Topographic Survey to support a Grading and Drainage Plan for the school to use to mitigate onsite issues. This effort will be to protect and improve the property only, not to develop a formal drainage report or construction drawing submittal to the City.

**Fees for Civil Services:**

Topographic survey of the problem areas and related features: \$1,900  
Site visits, due diligence and research allowance: \$900  
Grading and Drainage Plan for school/contractor use only: \$2,800

**Hourly Rates (change of scope, construction administration, etc.):**

Principal Engineer	\$130
Senior Engineer	\$110
Project Designer	\$ 80
Drafter	\$ 65

We appreciate the opportunity to work with you on this project and are ready to start upon receipt of the signed agreement and terms and conditions.

6859 E. Rembrandt Ave. #124 • Mesa, Arizona 85212 • 480.926.6333 • Fax 480.926.3999  
3275 W. Ina Rd. #211 • Tucson, Arizona 85741 • 520.887.9416 • Fax 520.887.9486

## General Terms and Conditions Between Client and Broderick Engineering LLC

The Client and Broderick Engineering LLC agree that the following Provisions shall be a part of their Agreement:

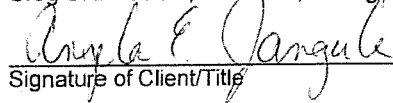
1. Engineer is not a geotechnical engineer and makes no evaluation of the existing soils conditions, and therefore the engineer is not liable for any geotechnical aspects of the project including any variations that may arise from soil testing versus the actual soil conditions found during construction.
2. All calculations, CAD and printed drawings, hand tracings, field notes, sketches, memos, reports, and other original documents are instruments of service and shall remain the property of the Engineer, except as otherwise provided herein
3. Client agrees that the construction contractor will be required to have exclusive and complete responsibility for job site conditions and job site safety during the course of construction of the project. This responsibility shall apply continually (24 hours a day, 7 days a week). Client agrees to defend, indemnify and hold Engineer harmless from any and all liability arising out of or related in any way with the performance of work on the project except for liability arising from the sole negligence of Engineer.
4. Unless otherwise declared, Engineer will have access to the site to perform services that are necessary to complete the scope of work as detail in the agreement. Engineer will take precautions to minimize damage due to these activities, but have not included in the fee the cost of any demolition to expose elements or restoration of any resulting damage.
5. In the event any provision of this Agreement shall be held to be invalid and enforceable, the other provisions of this Agreement shall be valid and binding on the parties hereto.
6. Termination or Suspensions. This agreement may be terminate or suspend by either party, at any time, upon seven (7) days' Written notice to either party. Client shall pay all amounts due for the work to the effective date of suspension or termination, plus all reasonable terminated or suspended costs incurred by Engineer as a result of the termination or suspension.
7. Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the Client or the Consultant. The Consultant's services under this Agreement are being performed solely for the Client's benefit, and no other party or entity shall have any claim against the Consultant because of this Agreement or the performance or nonperformance of services hereunder. The Client and Consultant agree to require a similar provision in all contracts with contractors, subcontractors, subconsultants, vendors and other entities involved in this Project to carry out the intent of this provision.
8. In recognition of the relative risks, rewards, and benefits of the project to both the Client and Engineer, the risks have been allocated such that the client agrees that, to the fullest extent permitted by the law, Engineer's total liability, in the aggregate, to the client for any and all injuries, claims, losses, expenses, damages, or claim expenses arising out of this agreement from any cause or causes, including attorneys' fee and costs and expert witness fees and costs, shall not exceed our fee. Such causes include, but are not limited to, Engineer's negligence, errors, omissions, strict liability, breach of contract, or breach of warranty.
9. Should litigation be necessary to enforce any term or provision of this Agreement, or to collect any portion of the amount payable under this Agreement, then all litigation and collection expenses, witness fees and court costs, and attorney's fees of both Client and Engineer shall be borne wholly by Client.
10. Services provided within this Agreement are for the exclusive use of the Client.
11. Neither the Client nor Engineer shall assign his interest in this agreement without the written consent of the other.
12. Payments in full for structural services are due upon receiving sealed work. Statements will be issued when work is completed or every four (4) weeks, whichever is less time, and are due and payable upon receipt and shall be deemed delinquent after thirty (30) days from the date of the initial statement. If statements are not paid in full prior to delinquency, Client agrees to pay interest on the unpaid amount at the rate of one and one-half percent (1-1/2%) per month (annual percentage rate of eighteen percent 18%) from the delinquency date until paid in full. All payments received shall first be credited to the payment of delinquent interest and then to the principal balance due.
13. Client shall promptly review invoices and notify Engineer of any objection thereto. In the event Client fails to notify Engineer of any objection, in writing, within ten (10) days of receipt of invoice, the invoice shall be deemed accepted by the Client. Engineer may, upon written notice to client suspend performances of services until satisfactory arrangements for payment have been made.
14. Authority to enter into agreement. Each party represents by signing this agreement that they have the authority to enter into the same and binds each and every party, and/or partners, to the terms and conditions as herein set forth.



11/6/14

Greg S. Broderick, P.E. M.S., Manager

Date



Superintendent

11-20-14

Signature of Client/Title

Date

**SCHOOL FACILITIES BOARD****BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency

☒ Building Renewal Grant Fund

District: **Holbrook Unified**  
Project Number: **090203207-9999-003BRG**  
Project Description: **Correct drainage and repair courtyard**  
Architect of Record: **Gervasio & Assoc., Inc. (602-285-1720)**  
Contractor: **TBD**

Navajo County

Board Approval Date: 12/10/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost</b>		\$ -
Contingency ①		\$ -
Architecture / Engineering (A&E) Fees		\$ 8,200
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		<b>\$ 8,200</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 8,200</b>
District Share (Local Funds):		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 8,200</b>
<b>Total Project Cost:</b>		<b>\$ 8,200</b>

① Contingency may only be used with SFB staff approval.

**Building Renewal Grant Application**

**Initial Submission Date:** 11/18/2014 2:56:57 PM

**Application ID:** 1655

**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:** Holbrook Unified District  
**Superintendent:** Dr. Robbie Koerperich  
**Contact Person:** Jacob Boyle  
**Contact Phone Number:** 928-524-6144  
**Contact Email:** jboyle@holbrook.k12.az.us  
**School Site:** Holbrook High School  
**Buildings:** 1002 bldg b

**Application Title:** Concrete Grading and Drainage 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.

We are seeking funding to improve and correct drainage issues to the North and West of B Building - area known to us as the High School Quad. Despite our best effort to maintain this area, freezing water and snow has severely damaged the concrete compounding the drainage issue. We'd like to propose having a drainage and grading study performed by a licensed civil engineer and to prepare a plan for correcting this issue. We believe a guttering system will greatly reduce the standing and flowing water in this area and repairs to the crumbling concrete will reduce standing water and improve drainage.

**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	\$0.00
--	--------

Please outline any associated insurance coverage.

This is not an insurance claim and there are no warranties.

Mr. Pat Cruse has been on site and is aware of the current condition.

I have included a cost proposal for engineering services from Gervasio & Assoc. Inc. They are willing to do the design work in preparation for bid.

## Building Renewal Grant Application

Liaison: Cruse

pcruse@azsfb.gov

602-364-1193

Dr. Robbie Kaeperich  
Superintendent Printed Name

Dr. Robbie Kaeperich  
Superintendent Signature

11-18-14  
Date



# GERVASIO & ASSOC., INC.

## CONSULTING ENGINEERS

77 EAST THOMAS ROAD, SUITE 120

PHOENIX, ARIZONA 85012

(602) 285-1720 • (602) 285-1530 (FAX)

November 12, 2014

Mr. Jacob Boyle, Business Manager  
HOLBROOK SCHOOL DISTRICT  
1001 North 8th Avenue  
Holbrook, AZ 86025

RE: HOLBROOK H.S. - PLAZA DRAINAGE REMEDIATION  
455 North 8th Avenue, Holbrook, Arizona  
G&A Job No. ~~0043-4-C, D~~ 4160 C, D

Dear Mr. Boyle:

We appreciate this opportunity to submit our prime proposal for Civil Engineering and Forensic Architectural services on the referenced project in the Town of Holbrook. Based on our discussions we understand the project has the following limited scope.

### LIMITED SCOPE OF PROJECT

No survey will be performed for this contract. The Grading & Drainage Plan will be conceptual. The Contractor is to set his own grades and inspection approval will be based on product performance.

1. Design gutters and downspouts for roof drainage to Plaza area; re-design existing accessible handicap ramp.
2. Provide a limited conceptual Grading & Drainage Plan to effect repairs to damaged areas of the student Plaza concrete slab and to divert roof drainage away from the existing buildings.
3. Limited construction contract administration services.

To accomplish this Limited Project, the following design services are proposed:

### SCOPE OF SERVICES

#### **Civil**

##### **A. Civil Conceptual Grading & Drainage Plan**

Provide site plan and draw plan showing the following:

1. Graphic scale of approximately 1"=10'.
2. Vicinity Map with north arrow.
3. Owner's name, address, and phone/fax.
- 4.. Name, address, and phone/fax of design professional preparing site plan.

#### **Forensic Architectural**

##### **B. Architectural Rehabilitation Documents**

We will:

1. Perform the architectural roof gutter design.

2. Prepare plans, sections and details with general notes and technical specifications on our drawings for construction by a contractor.
3. Submit these documents to you, the Owner, for approval.
4. Interpret our drawings during construction and review the contractor's submittals.

**C. Civil Engineering Review**

Owner approval of our work, with appropriate notes, specifications, details, and cross sections on our drawings.

**D. Detailed Construction Cost Estimate (Optional)**

Prepare construction cost estimates based on our drawings using unit costs at current market rates for labor and materials. This will include a reasonable allowance for the Contractor's overhead and profit and for contingencies all based on market conditions at the time of the estimate.

**E. Pay Applications, Punch List & Closeout**

We will:

1. Attend the Preconstruction (Precon) Meeting at the site with the District Representative, the Contractor and the District Inspector. This meeting will be established by the District Representative. After the Precon and prior to start of construction the Contractor will then submit to us their Schedule of Values.
2. Review the Contractor's Schedule of Values to determine that it is a fair representation of the work breakdown without being unreasonably skewed or weighted. Based upon our review we will recommend to the District Representative approval of the Schedule of Values as submitted or with changes to items which we believe are unreasonable.
3. After the District's Inspector has performed an inspection with the Contractor for review of his Application for Payment (pay application), we will consult with the District's Inspector and review the application. This application shall be based upon the approved Schedule of Values per paragraph 1.
4. Notify the Contractor if we do not agree with the percentage of completion shown on the Contractor's pay application, and discuss the issue to resolve the discrepancy. If agreement cannot be reached, G&A will issue a Certificate for Payment that we believe is representative for that pay period.
5. When the project is approaching Substantial Completion the District's Inspector and the Contractor shall prepare a detailed punch list and submit it to G&A who will discuss it with the District's Inspector.
6. The Contractor shall then complete the punch list, record the date & initial when each line item is accomplished with the District's Inspector. The Contractor then shall provide the District written warranties and related documents required by the Contract Documents. The District's Inspector will forward copies of all documents when complete to G&A for review. If fully complete, G&A will schedule final field review for general compliance with the Contract Documents.
7. Conduct one (1) final field review to determine the date of final completion; receive and forward to the District for the District's review, and shall issue a final Certificate for Payment upon compliance with the requirements of the Contract Documents.

### SERVICES NOT INCLUDED

Our fees do not include:

1. Checking entire building for safety & Code compliance; material & soil sampling & testing; written report; expert witness work; and all other work not listed under the Scope.
2. Planning, Zoning, Architect Design Review; Structural & Civil Engineering.
3. Value engineering, Schematic & DD Phases, general & special conditions, specification book, construction managers, Design/Build, cost estimates, design changes, fast tracking, at risk permit, phasing, putting project on hold, submittals/applications/permits & filing fees, bidding, reproductions, bidding or constructing before permit, supplying CADD after CD, construction administration/inspection/staking, engineering to correct contractor errors, overtime work, as-built drawings, field verification of finish floors, and inspection & enforcement of job safety requirements.
4. Inspection, review or approval of construction quality, exhaustive on-site inspections or measurements to check the quality or quantity of the work, construction means & methods, or guarantee a timely payment to the Contractor by the Owner. Reviewing all copies of requisitions received from subcontractors and other data, nor ascertain how or for what purpose the contractor has used the money previously paid on account of the Contract Sum. Additional trips because the contractor was not prepared for our visit or completed the project as scheduled.
5. Additional services will be performed per our current hourly fee schedule.

### COMPENSATION

We propose the following fees:

- Paragraph A. Civil Site Plan - \$3,800.00  
B. Architectural Rehabilitation Documents - \$8,200.00  
C. Civil Engineering Review - Included in fees.  
D. Detailed Construction Cost Estimate - \$500.00 (Optional)  
E. Pay Applications, Punch List & Closeout - \$3,200.00

### BASES OF FEES - TERMS & CONDITIONS

The City or County is responsible for knowing the areas of flooding within their jurisdictional areas. They will not tell us of their flooding experience until after we submit our drawings. Unless the agency has a detailed FEMA flood plain study (or other studies), we can only determine the potential for flooding by preparing an off-site hydrology study. Because this study is complex and thus expensive, we have excluded it from our proposal at this time. Without an off-site hydrology study, you must understand that it is unknown if this site is subject to flooding and we cannot be held responsible for any flooding.

Utilities shown on our drawings are from record drawings we receive from the City, Utility Companies, Architect, and Owner. These drawings often have errors and it is impossible for us to find them. The Contractor and Owner must rely on "Blue Stake" and potholing prior to construction to determine exact field location, condition and extent of existing underground utilities. You understand we will not be responsible for any claims due to condition & location of existing utilities and any redesign thereby caused will be an additional service.

Mr. Jacob Boyle  
November 12, 2014  
G&A Job No. ~~0043-4 C, D~~ 4160 C, D  
Page 4

This agreement shall include, except as modified herein, the following Articles from the 1987 Edition of AIA Document B141: 1.1.2, 2.4.1, 2.4.4, 2.6.6, 2.6.12, 2.6.19, and 3 thru 10 (except 5 and 10.3.2) substituting the name Engineer for Architect. If you do not have a copy of B141 call and we will mail you one.

Client agrees that the liability of G&A, its agents and employees, in connection with services hereunder to the Client and to all persons having contractual relationships with them, resulting from any negligent acts, errors, and/or omissions of G&A, its agents, and/or employees is limited to the total fees actually paid by the Client to G&A for services rendered by G&A hereunder or \$10,000 whichever is greater.

This quotation is valid for a period of 90 days from the date of this letter. After 90 days the fee is subject to renegotiation.


#### PAYMENT

Billing will be monthly for work accomplished during that month and the client is expected to pay within 30 days. Any billing or portion not paid within 90 days of the billing date is considered delinquent, shall be grounds for G&A to stop work, and shall be charged a delinquency charge of one and one half percent (1-1/2%) per month on the unpaid balance of principal and accrued interest. The client agrees that any dispute between the parties, shall be resolved by binding arbitration in accordance with the rules of the American Arbitration Association, and judgment may be entered in any court having jurisdiction thereof. The client understands the engineer will send a lien notice and also agrees to pay for reasonable attorney's fees.

If this proposal is satisfactory to you, please sign the two originals and return one to us, whereupon this proposal shall become a binding Agreement in accordance with its terms.

Sincerely,

GERVASIO & ASSOC., INC.

  
Joseph A. Gervasio, P.E.  
President

REB/JAG:blm

ACCEPTED this \_\_\_\_\_ day of \_\_\_\_\_, 2014

BY: \_\_\_\_\_  
Authorized Official

**SCHOOL FACILITIES BOARD****BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency  
  X   Building Renewal Grant Fund

District: **Littlefield Unified**  
BRG Project Number: **080409001-1008-001BRG** Mohave County  
Project Description: **Repair roof**  
Architect of Record: **Naylor Wentworth Lund Architects (435-656-2883)**  
Contractor: **TBD**

Board approval: 12/10/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost</b>		\$ -
Contingency ①		\$ -
Architecture / Engineering (A&E)		\$ 1,375
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		<b>\$ 1,375</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 1,375</b>
District Share (Local Funds):		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 1,375</b>
<b>Total Project Cost:</b>		<b>\$ 1,375</b>

① Contingency shall only be used with SFB staff approval

**Building Renewal Grant Application**

**Initial Submission Date:** 10/28/2014 12:05:59PM  
**Resubmittal Date:**

**Application ID:** 1632

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:** Littlefield Unified District  
**Superintendent:** Mark Coleman  
**Contact Person:** Dustin Warren  
**Contact Phone Number:** 928-347-5486  
**Contact Email:** dwarren@lud9.com  
**School Site:** Beaver Dam Elementary School  
**Buildings:** 1008 Elementary

**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.

existing roof is seperating and causing lesks in the building.

**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.

Trust has been notified and doesn't replace or repair roofing.

**Liaison:** Breuer gbreuer@azsfb.gov

602-542-6139

MARK Coleman  
Superintendent Printed Name

Mark Coleman  
Superintendent Signature

10.29.14  
Date

NAYLOR WENTWORTH LUND  
ARCHITECTS

December 1, 2014

Mr. Mark Coleman, Superintendent  
Littlefield Unified School District #9  
3475 E Rio Virgin Road  
Littlefield, AZ 86432

**Re: Initial Review of Roof Conditions at Beaver Dam Elementary School**

Dear Supt. Coleman,

Naylor Wentworth Lund Architects is pleased to submit the following proposal to provide services to do an initial review of the existing conditions of the roof at Beaver Dam Elementary School.

**Scope of Services**

We understand the following to be the scope of our services for this project:

1. In-person review of existing conditions of roof in question including review of interior spaces that may have been affected due to roofing failure.
2. Generate estimate of probable cost to replace roofing including cost of architectural services.
3. Coordinate with LUSD #9 and ASFB to provide information required by both entities.

**Fee**

Naylor Wentworth Lund Architects proposes to be compensated for the services listed above at a cost of \$1,375.00. This fee includes the cost of travel (including mileage and meals) for one trip to the school and time during that trip to review both the roof and the interior portions of the building that may have been affected by roofing failure.

**Reimbursable Expenses**

Reimbursable Expenses are in addition to the compensation outlined above and are expenses incurred by the architect directly related to the project. Prior to incurring reimbursable expenses the architect will notify Littlefield Unified School District #9 and the Arizona School Facilities Board of the need to incur the expense. Furthermore, reimbursable expenses will not be billed for unless they have been first agreed upon, in writing, by the architect and LUSD #9 and ASFB. Compensation for reimbursable expenses will be the cost of the expense plus twenty percent (20%) of the expense incurred.

We appreciate this opportunity to once again work with Littlefield Unified School District #9 and the Arizona School Facilities Board on this project. Please review the proposal and upon approval return a signed copy to us. Please call if you have any questions.

Sincerely,



Terance B White, AIA, NCARB  
Senior Associate / Director – St. George Office  
Naylor Wentworth Lund Architects

Accepted by: \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

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

District:

**Mohave Valley Elementary**

BRG Project Number:

080416101-1013-021BRG

Mohave County

Project Description:

Replace two HVAC units

Engineer:

BESP (Sameer Pandey 602-377-2679)

Contractor:

TBD

Board approval:

12/10/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost:</b>		\$ -
Contingency ①		\$ -
<b>Additional Cost:</b>		
Architecture / Engineering (A&E) Fees		\$ 5,000
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		\$ 5,000
<b>Total SFB Funded Project Cost:</b>		\$ 5,000
District or Local Funds:		\$ -
<b>SFB Board Approved Amount:</b>		\$ 5,000
<b>Total Project Cost:</b>		\$ 5,000

① Contingency shall only be used with SFB staff approval.



**Building Renewal Grant Application**

**Initial Submission Date:**

**Application ID:** 1658

**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:** Mohave Valley Elementary District

**Superintendent:** Whitney Crow

**Contact Person:** David Barard

**Contact Phone Number:** 928-768-2507

**Contact Email:** berardd@mvdistrict.net

**School Site:** Mohave Valley Elementary

**Buildings:** 1013

**Application Title:** Replace HVAC unit for a classroom building #1013

**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 classroom building # 15 (SFB # 1013) is served by two (2) Marvair wall mounted units with a cooling capacity of three & half (3.5) tonnage each. The units are more than fifteen (15) years old, and one of the units (northern) has completely failed. The other remaining unit is inadequate to satisfy the classroom cooling load, and is also showing signs of failure.

It is proposed to replace the existing unit with a packaged unit. The capacity of the unit can be downsized to meet the actual classroom cooling load. The existing supply duct and return grill in an indoor classroom space can be re-used.

**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

## Building Renewal Grant Application

Superintendent Printed Name Whitney Crow

Whitney Crow  
Superintendent Signature

\_\_\_\_\_  
Date

BESP, LLC  
219 S. William Dr. # 137  
Gilbert, AZ 85233  
Tel: (602) 377-2679 Fax: (480) 629-5645  
sameerpandey@besp.us  
www.besp.us



November 26, 2014

David Berard  
Facilities Manager  
Mohave Valley Elementary School District  
8450 South Olive  
Mohave Valley, Arizona 86440

Ref: Assessment of HVAC system Mohave Elementary Classroom Building # 15 (SFB # 1013)

Dear Mr. Berard,

Per district's request, BESP assessed a HVAC system at Mohave Elementary Classroom Building on Monday, September 22, 2014. It is noted that the classroom building is served by two (2) Marvair wall mounted units with a cooling capacity of three & half (3.5) tonnage each. The units are fifteen (15) years old, and one of the units (northern) has completely failed. The other remaining unit is inadequate to satisfy the classroom cooling load, and is also showing signs of failure.

Based on our evaluation, we recommend that the existing two (2) wall mounted units be replaced with one (1) packaged heat pump unit, and add new supply and return duct to feed the unit into the classroom space. The combined capacity of existing wall mounted units can be downsized to meet the actual classroom cooling load. The existing supply duct and return grill in an indoor classroom space can be re-used.

We estimate a design and installation cost to replace the HVAC system at Mohave Elementary Classroom Building as following:

**Scope:** Replace two (2) existing wall mounted Marvair units with one (1) packaged heat pump unit; provide new supply and return ductwork to connect to the existing supply and return openings; connect the unit to the existing thermostat; provide missing ceiling diffusers; provide door grill at existing door for return air.

- 1) Design Services Fee - \$5,000
  - a. Design & Documentation
    - i. Design/Load calculation/Specifications
    - ii. Design supply & return air ductwork
    - iii. Perform Structural Analysis by a certified structural engineer
    - iv. Produce Construction Documents
    - v. Provide Construction Cost Estimate

Please let us know if you have any questions or need clarifications.

Sincerely,

A handwritten signature in black ink, appearing to read "Sameer R. Pandey", is written over a horizontal line.

Sameer R Pandey PE (Mech), CEM, LEED  
Principal Engineer, BESP

# PACKAGED HEAT PUMP UNIT SCHEDULE

MARK	MANUFACT. MODEL	NET CAPACITY NOMINAL TONS	CFM DISCH.	ESP	OUT/AIR CFM	MIN. SEER	ELECTRICAL MCA	UNIT WEIGHT LBS.
HP-1	TRANE 4WCY-4060A1	60000 BTUH 5 TON	2000	0.6"	120	14.0	208-1-60 42.3 AMP	540

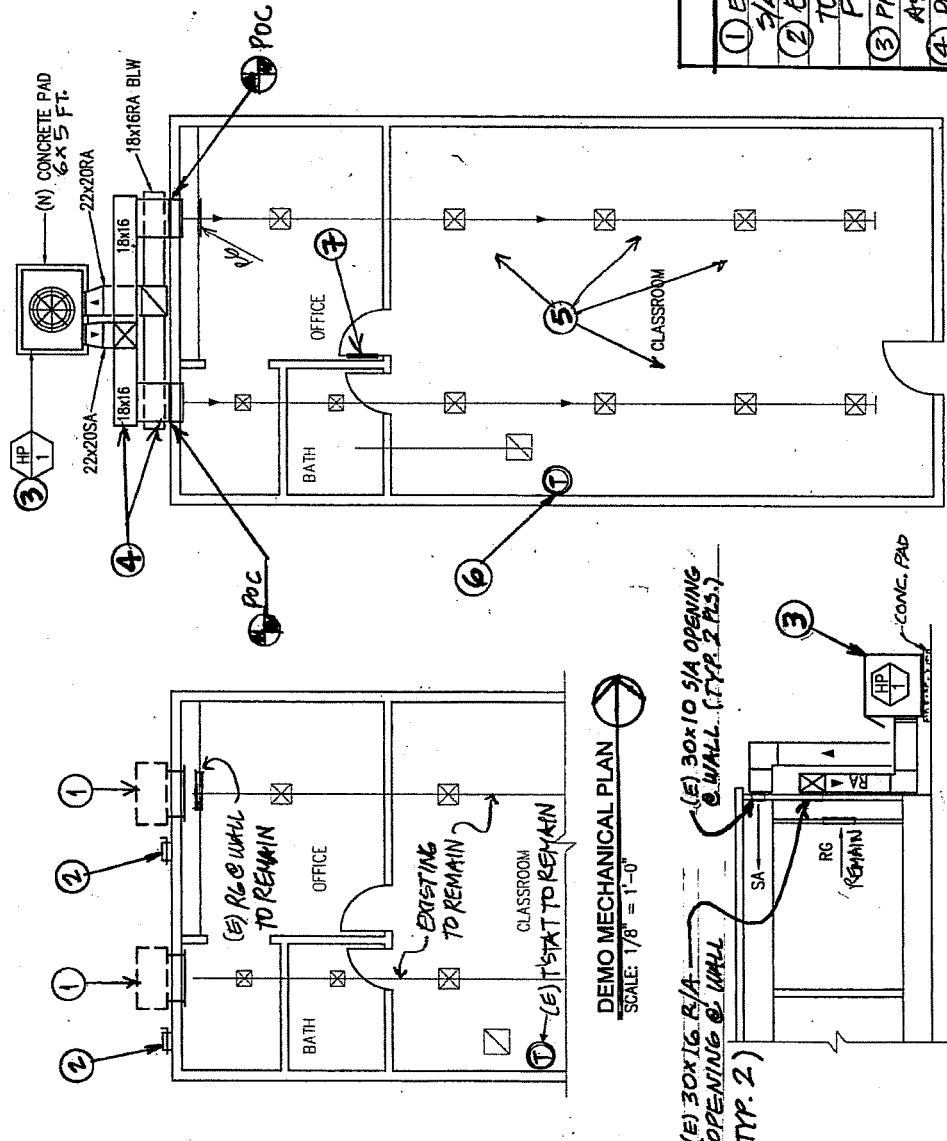
1. PROVIDE OUTSIDE AIR DAMPER & SET TO OUT-/AIR CFM SHOWN.  
2. COOLING & HEATING CAPACITY AT STANDARD CONDITIONS.

## GENERAL MECHANICAL NOTES

1. ALL WORK TO COMPLY WITH CONSTRUCTION DOCUMENTS AND 2006-IMC.
2. ALL MECHANICAL EQUIPMENT TO BE INSTALLED PER MANUFACTURERS RECOMM.
3. ALL ELECTRICAL HIGH VOLTAGE WIRING, FUSES, CONDUIT AND DISCONNECT SWITCHES BY THE ELECTRICAL CONTRACTOR. LOW VOLTAGE WIRING BY THE HVAC CONTRACTOR.
4. AIR CONDITIONING CONDENSATE PIPING SHALL BE TYPE "M" COPPER WITH P-TRAP.
5. DUCTWORK SIZES SHOWN ARE ACTUAL EXTERIOR SHEET METAL SIZES. INTERNALLY LINE ALL AIR CONDITIONING SUPPLY AND RETURN EXTERIOR DUCTWORK WITH MIN. 2" (R-8 VALUE) ACCOUSTICAL LINER. SEAL WEATHERTIGHT AND PROVIDE 2 COATS OF WHITE ELASTOMERIC PAINT SEALER OR EQUAL.
6. GUARANTEE ALL PARTS AND LABOR FOR 2 YEARS FROM THE FINAL DATE OF ACCEPTANCE AND ADDITIONAL 5 YEAR WARRANTY FOR A/C COMPRESSORS.
7. SYSTEM SHALL BE BALANCED TO APPROXIMATE CFM'S SHOWN AND TO SATISFACTION AND COMFORT OF THE OWNER, BY HVAC CONTRACTOR.

## CONSTRUCTION KEY NOTES

1. EXIST. MARYKAY WALL MOUNTED UNITS TO BE REMOVED. (E) SA & RA OPENINGS THRU WALL TO REMAIN
2. EXIST. DISCONNECTS (208-1-60) TO BE REVERSED AS REQ'D. TO POWER NEW HP-1. ELECTRICAL TO VERIFY CONDITIONS PRIOR TO INSTALLATION.
3. PROVIDE & INSTALL NEW 5 TON UNIT. CONNECT SA & RA DUCTS AS SHOWN. RECONNECT ELECTRICAL. PROVIDE CONDENSATE TO GRADE.
4. PROVIDE INSTALL NEW SA-RA DUCTWORK (2" LINER). CONNECT TO EXIST. SA & RA OPENINGS. SEAL WEATHERTIGHT.
5. PROVIDE INSTALL & MISSING CD'S 12x12. FIELD VERIFY. NOTE: SA-RA DUCTWORK INSIDE BUILDING TO REMAIN
6. CONNECT NEW HP-1 TO EXIST. THERMOSTAT.
7. PROVIDE NEW DOOR & RILLE @ EXIST. OFFICE DOOR. KRUEGER MODEL 5600-NON VISION - 18x18.



NEW MECHANICAL PLAN  
SCALE: 1/8" = 1'-0"

MECHANICAL SECTION @ HP-1  
SCALE: 1/8" = 1'-0"

PROJECT: MOHAVE VALLEY ELEMENTARY SCHOOL  
MOHAVE VALLEY ARIZONA 86440

DATE: NOV-12-2014  
BY: BEP  
DWG: SK-1

SCOPE: PHYSICAL THERAPY BUILDING  
HVAC REPLACEMENT / UPGRADES

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

District: **Round Valley Unified**  
BRG Project Number: 010210210-1002-003BRG  
Project Description: **Correct electrical issues**  
Consultant: LSW Engineers (602-249-1320)  
Contractor: TBD

Apache County

Board Approval: 12/10/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost:</b>		
Contingency ①		\$ -
		\$ -
<b>Additional Cost:</b>		
Architecture / Engineering (A&E) Fees		\$ 13,667
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		\$ 13,667
<b>Total SFB Funded Project Cost:</b>		\$ 13,667
District or Local Funds:		\$ -
<b>SFB Board Approved Amount:</b>		\$ 13,667
<b>Total Project Cost:</b>		\$ 13,667

① Contingency shall only be used with SFB staff approval.

**Building Renewal Grant Application**

**Initial Submission Date:** 9/24/2014 11:32:36 AM

**Application ID:** 1553

**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:** Round Valley Unified District

**Superintendent:** Travis Udall

**Contact Person:** Voigt LeSueur

**Contact Phone Number:** 928-333-6780

**Contact Email:** vlesueur@elks.net

**School Site:** Round Valley High School

**Buildings:** 1002 Gymn

**Application Title:** Light 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.

We have been advised that our new LED lights in the gymnasium are failing because of improper grounding and old wiring that needs upgrading. Also due to power surge in our electricity we will also need surge protection. The drivers in the lights were returned to the manufacturer engineer and he said the voltage exceeded the light rating of 130 volts max.

**Project Category:** Electrical

**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

*Travis H. Udall*

Superintendent Printed Name

*Cruse*

*11-6-14*



LSW Engineers  
ARIZONA, INCORPORATED

September 29, 2014

Round Valley Unified School District  
P.O. Box 610  
Springerville, Arizona 85938

Attn: Mr. Voight Lesueur, Business Manager  
vlesueur@elks.net  
1-928-333-6780

Re: Electrical Analysis and Design Remediation at  
Round Valley High School for the Gymnasium LED Lighting System  
LSW Proposal No. PR2014-234

Mr. Lesueur:

We are pleased to offer our engineering services for an analysis and design remediation of the existing LED lighting system within the High School Gymnasium located at 550 N. Butler Street, Springerville, Arizona 85925.

#### **PROJECT UNDERSTANDING**

This project is understood to include an analysis and documentation of the existing High School Gymnasium previously retrofitted LED lighting system. The project includes the review of the serving utility power quality and remedial recommendation(s) via design implementation to improve the electrical distribution system, verify code compliance, and acceptable power quality.

We also understand that there may be issues with improperly protected and grounded legacy electrical conductors within the Gymnasium. We have been informed that in 2012 the existing lighting system was upgraded to LED fixtures. During the summers of 2012 and 2013, multiple fixtures have failed. It has been observed, that an unknown quantity of LED lighting fixtures don't properly operate. We understand a sample of the failed LED fixture drivers have been sent to the manufacturer for review. Information from the manufacturer indicates that due to electrical power surges and insufficient grounding within the building, the drivers are failing. New conductors with code compliant grounding, surge protection, and power conditioning may be required, as well as replacement of the LED lighting fixtures, once design parameters have been established.

#### **SCOPE OF WORK**

Our engineering services for this project will consist of the following. Services not indicated below are considered outside of our basic scope and will be provided upon request as an additional service.



### **Electrical**

- A. The electrical analysis component for this project is anticipated to include:
1. Conduct a thirty (30) day meter recording via a certified testing agency, of the utility electrical power at the existing service entrance section currently serving the Gymnasium. Load readings will be provided by a third party contractor and billed at cost plus 15% for administration, interpretation of results and directing the testing agency where testing is to occur. The utility metering report will identify at a minimum, peak power demand consumption, power factor per phase, total kVAR, and voltage per phase at thirty (30) minute intervals.
  2. Review and documentation of the entire electrical distribution system serving the existing Gymnasium.
  3. Document the electrical installation with digital photographs indicating the relevant existing conditions.
  4. Provide recommendations and design documents to minimize the possibility of future Gymnasium LED lighting electrical failures which are currently ongoing including utility power quality along with presently undiscovered contributing factors involving the electrical system.

### **GENERAL**

Our scope will include the following general engineering services for the project:

- A. Provide the site investigation to observe the systems associated with this project (site investigation is limited to accessible areas only).
- B. Attend up to one meeting via teleconference to review the written report results with you and the SFB.
- C. LSW's estimated time to complete the electrical analysis after completion of the site investigation with receipt of the testing agency metering results, and design completion is four weeks.
- D. One final set of signed and sealed drawings provided in electronic portable document format (PDF).
- E. One final set of signed and sealed specifications typed in your format and provided in electronic portable document format (PDF).
- F. Review shop drawings and submittals, and office time during construction.
- G. One construction field observation will be conducted at the completion of construction.





- H. A general cost estimate indicated as a lump sum value, will be provided based on our recommendations to correct the current power distribution and/or power quality issues.
- I. O & M Manual Review.
- J. Record Drawings:
  - 1. Review of AutoCAD or redlined drawings created by the Contractor. No verification of accuracy is included and documents will not be signed and sealed.

**PROFESSIONAL FEE**

Our fee for the work outlined above is a lump sum amount as follows:

Site Investigation	\$1,815. <del>✓</del>	
Analysis of Electrical System	1,960. <del>✗</del>	
Construction Documents	5,952. <del>✗</del>	
Submittal Review, Office Time, and Field Observation	3,222. <del>✗</del>	PHASE II Construction
	-----	
Subtotal	\$12,949.	
Estimated Reimbursable Expenses - Mileage	\$440. <del>✗</del>	
Estimated Reimbursable Expenses – Testing Agency	\$3,500. <del>✗</del>	
	-----	
Total	\$16,889.	

NOTE: This fee includes all travel expenses incurred within the metropolitan Phoenix area. Travel outside the metropolitan Phoenix area will be billed as a reimbursable expense including, but not limited to, travel, rentals, meals, lodging, and reasonable incidental expenses.

This fee is quoted on a lump sum basis. The breakdown of the fee into phases or tasks is for your convenience. The fee will be billed 100% at the end of the project, unless the scope of the project is changed by written agreement.

**CLIENT SERVICES**

Services requested of the Client and/or Owner include the following:

- A. Provide the following, as required, to assist us in the site investigation of existing conditions: facility access and an escort; ladders or other means to access overhead systems and equipment; and authorization for the use of cameras.
- B. Provide copies of the existing construction documents.
- C. Provide access to the building maintenance staff to answer questions.



### **EXCLUSIONS**

- A. Detailed cost estimating.
- B. Life cycle cost analysis.
- A. Functional testing or commissioning services.
- B. Litigated services.
- C. Utility Company energy rebate data collection and/or submission.
- D. Value engineering services or changes after 50% completion of the associated documents.
- E. Any design services caused by scope changes.
- F. Work in relation to the delinquency or insolvency of the Contractor(s).
- G. While LSW is in favor of Project Partnering, it is not included as part of our basic scope. If Partnering is anticipated, please alert our office to have us include this within the scope of services.

### **ADDITIONAL SERVICES**

Additional services will be performed on an hourly basis at our standard billing rates as follows:

2014:	Senior Engineer	\$165./ hour
	Engineer	\$140./ hour
	Field Observer	\$105./ hour
	Senior Designer	\$110./ hour
	Designer	\$90./ hour
	CAD Operator	\$80./ hour
	Clerical	\$70./ hour
	Outside Services	Our cost plus 10%

Our rates will remain the same for the duration of this project, assuming the project is completed according to the original project schedule. This proposal is effective for not more than 90 days.

LSW accepts the AIA B201 contract and requests that you prepare this document reflecting the terms and conditions of this proposal for our mutual execution prior to our beginning work.

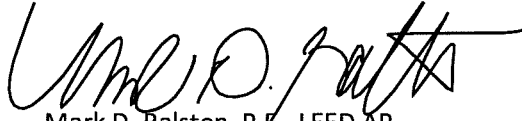


Round Valley Unified School District  
LSW Proposal No. PR2014-234  
September 29, 2014  
Page 5

We appreciate this opportunity and look forward to working with your firm on this project.

Regards,

LSW ENGINEERS ARIZONA, INC.

  
Mark D. Ralston, P.E., LEED AP  
Vice President

MDR:sm

Please indicate your acceptance of this proposal by signing and returning one copy of this letter for our files.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

YOUR PROJECT / REFERENCE NO.: \_\_\_\_\_

F:\MKT\PROPOSAL\2014\PR2014-234 fee Round Valley Unified School District LED Gym Lighting Study.docx

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

District: **Round Valley Unified**  
BRG Project Number: 010210210-9999-004BRG  
Project Description: **Replace emergency exit lighting**  
Consultant: LSW Engineers (602-249-1320)  
Contractor: TBD

Apache County

Board Approval: 12/10/2014

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

① Contingency shall only be used with SFB staff approval.

**Building Renewal Grant Application**

**Initial Submission Date:**

**Application ID: 872**

**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:** Round Valley Unified District

**Superintendent:** Travis Udall

**Contact Person:** Voigt LeSueur

**Contact Phone Number:** 928-333-6780

**Contact Email:** vlesueur@elks.net

**School Site:** Round Valley High School

**Buildings:** 9999 School Wide

**Application Title:** Egress Lighting upgrade.

**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.

As per the state firemarshall, means of egress illumination does not meet Az. safety codes. Must replace old and non functioning exit and emergency light fixtures.

**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:** Cruse

pcruse@azsfb.gov

602-364-1193

TRAVIS UDALL  
Superintendent Printed Name

Immu  
Superintendent Signature

3-17-18  
Date



July 25, 2014

Mr. Voigt LeSueur  
Transportation & Maintenance Director  
Round Valley School District # 10  
PO Box 610  
Springerville, AZ 85938

RE: **Round Valley High School**  
Emergency Exit Lighting – Performance Specification

Mr. LeSueur,

Below are the proposed emergency lighting performance specification consulting fees for the Round Valley High School.

DESCRIPTION	ESTIMATED FEE
Licensed Architect to draft performance specification for code compliant emergency exit lighting at the Round Valley High School, including but not limited to review of existing asbuilt conditions and construction drawings. Review with school personnel the contractor bid package. Provide construction estimate for budgetary purposes. Review contractor estimates.	\$ 4,500.00

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.

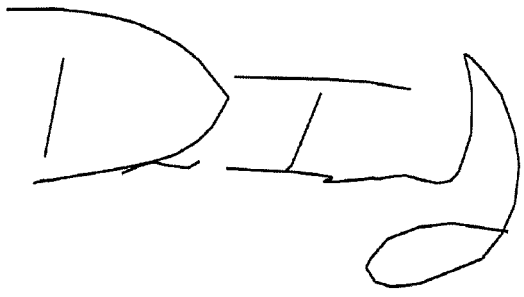
Thank you,

Michael L. Crow  
Director of Field Operations, Partner  
602.989.2433  
mcrow@redtreeco.com



DEPARTMENT OF FIRE, BUILDING AND LIFE SAFETY  
1110 WEST WASHINGTON, SUITE 100  
PHOENIX, ARIZONA 85007  
(602) 364-1003  
(602) 364-1052 FAX

**ARIZONA STATE FIRE MARSHAL - Monday, November 03, 2014 8:44:37 AM (Dan Ierley)**

User Name	Dan Ierley		
User #	5203491025		
Form Started	11/3/2014 8:44:37 AM		
Inspection Date	Monday, November 03, 2014		
OSFM Facility ID	18		
Occupancy Classification	E		
Ownership	Public Property		
Property Usage	School		
School Type	High School		
Fire Alarm Coverage	Full Coverage		
Fire Alarm System Monitored	Yes		
Fire Sprinkler Coverage	Partial Sprinkler Coverage		
Facility Name	Round Valley High School		
Facility Address	550 N Butler Street		
City	Eagar		
County	Apache		
Contact for Inspection	Voight Lesueur		
Contact Phone Number	9283336780		
Fire Marshal Contact	Arizona State Fire Marshal's Office Suite 100 Phoenix, Arizona 85007	1110 West Washington St. (O) 602.364.1003	
DEPUTY FIRE MARSHAL:	Dan Ierley: 80		
Inspector Signature	[Signature]		
			
Phone	(602) 850-1719		
Permit Inspection	No		
Type of Inspection	Scheduled		
Inspection	Periodic Fire Safety Inspection		
Inspection Results			

1 Violation Type	Drills and Emergency Planning
Code	IFC 405.2 Frequency. Required emergency evacuation drills shall be held at the intervals specified in Table 405.2 or more frequently where necessary to familiarize all occupants with the drill procedure.
Violation Type	Violation
Correction Time	This Hazard Is A Violation Of The State Fire Code, And Must Be Corrected Within Ten Working Days.
Comments	Missing Fire Drills From Current And Previous School Years
2 Violation Type	Building Services and Features
Code	605.4.2 Power supply. Relocatable power taps shall be directly connected to a permanently installed receptacle
Violation Type	Violation
Correction Time	This Hazard Is A Violation Of The State Fire Code, And Must Be Corrected Within Ten Working Days.
Comments	Library
3 Violation Type	Interior Finish and Furnishings
Code	IFC 805.1 General. In occupancies of Groups A, E, I and R-1 and dormitories in Group R-2, curtains, draperies, hangings and other decorative materials suspended from walls or ceilings shall be flame resistant in accordance with Section 805.2 and NFPA 701 or be noncombustible.
Violation Type	Violation
Correction Time	This Hazard Is A Violation Of The State Fire Code, And Must Be Corrected Within Ten Working Days.
Comments	RM 233
4 Violation Type	Drills and Emergency Planning
Code	IFC404.2 Where required. An approved fire safety and evacuation plan shall be prepared and maintained for the following occupancies and buildings. (Group E)
Violation Type	Violation
Correction Time	This Hazard Is A Violation Of The State Fire Code, And Must Be Corrected Within Ten Working Days.
Comments	Evacuation Of Mobility Challenged Students From 2nd Floor
Tag	Fail
Inspection Time	1.50
Travel Time	1.00
Mileage From Office	227.00
Fire Code Compliance Status	The items noted above, unless otherwise stated, are in violation of the Arizona State Fire Code, A.A.C. R4-34-1101 adopted pursuant to A.R.S. 41-2146. This is an official notice of violation requiring correction. Failure to comply with these requirements may lead to legal action (A.R.S. 41-2163A). This inspection is for your safety and the safety of the citizens of Arizona. Your cooperation is appreciated.



Report received by

[Signature]

A handwritten signature in black ink, appearing to read "V. Lesueur", is centered within a white rectangular box. The signature is fluid and cursive.

Send Email To:

vlesueur@elks.net

Date

Monday, November 03, 2014

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

District: **Safford Unified**  
Project Number: **050201200-9999-002BRG**  
Project Description: **Replace roofs**  
Architect of Record: **HDA (480-539-8800)**  
Contractor: **TBD**  
Board Approval Date: **12/10/2014**

Graham County

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost</b> (cost estimate provided by architect or contractor)		\$ -
Contingency ①		\$ -
Architecture / Engineering (A&E) Fees		\$ 1,125
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		<b>\$ 1,125</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 1,125</b>
District Share (Local Funds):		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 1,125</b>
<b>Total Project Cost:</b>		<b>\$ 1,125</b>

① Contingency shall only be used with SFB staff approval.

**Building Renewal Grant Application**

**Initial Submission Date:** 3/19/2014 11:54:55 AM

**Application ID:** 889

**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:** Safford Unified District  
**Superintendent:** Mark R. Tregaskes  
**Contact Person:** Tim McHugh  
**Contact Phone Number:** 928-348-6985  
**Contact Email:** tmchugh@saffordusd.com  
**School Site:** Safford High School  
**Buildings:**  
1002 Vocational  
1003 Gym

**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.

Existing roofing systems are old and have been continually patched / repaired and are now failing and causing leakage inside the building.

**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:** Breuer

gbreuer@azsfb.gov

602-542-6139

MARK R. TREGASKES  
Superintendent Printed Name

  
Superintendent Signature

3/19/2014  
Date



PRINCIPALS  
LICENSES

PETE BARKER  
ARIZONA  
CALIFORNIA

PAUL HOLLAND  
ARIZONA  
NEW MEXICO  
NORTH CAROLINA

BRUCE R. SCOTT  
ARIZONA

Proposal for Architectural Services in connection with  
SFB Building Renewal Grant Funding

Date: November 25, 2014

District Name: Safford Unified School District

Superintendent: Mark R. Tregaskes

Contact Person: Tim McHugh

Contact # (928) 348-6985

Contact email [tmchugh@saffordusd.com](mailto:tmchugh@saffordusd.com)

Project Site: Safford High School  
1400 W. Bulldog Blvd.  
Safford, AZ 85546

Project Description: Investigate 56,589 SF roof at buildings Vocational Building 1002 & Gym Building 103.

Probable Cost: To Be Determined

Architectural	Field Investigation (294 Miles Round Trip) $\$2250 \times 0.5 =$	\$1,125
Services:	Proposed Architectural Fees	\$1,125

HDA Architects LLC

Very Truly Yours

Paul D. Holland

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

District: **Safford Unified**  
Project Number: **050201100-1005-003BRG**  
Project Description: **Replace roof**  
Architect of Record: **HDA (480-539-8800)**  
Contractor: **TBD**  
Board Approval Date: **12/10/2014**

Graham County

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
<b>Base Cost</b> (cost estimate provided by architect or contractor)		\$ -
Contingency ①		\$ -
Architecture / Engineering (A&E) Fees		\$ 1,125
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		<b>\$ 1,125</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 1,125</b>
District Share (Local Funds):		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 1,125</b>
<b>Total Project Cost:</b>		<b>\$ 1,125</b>

① Contingency shall only be used with SFB staff approval.

**Building Renewal Grant Application**

**Initial Submission Date:** 3/13/2014 10:05:21 AM

**Application ID:** 877

**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:** Safford Unified District

**Superintendent:** Mark R. Tregaskes

**Contact Person:** tim McHugh

**Contact Phone Number:** 928-348-6984

**Contact Email:** tmchugh@saffordusd.com

**School Site:** Dorothy Stinson School

**Buildings:** 1005 400 Bldg

**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.

Existing classroom built in 1983 and waterproofing system is failing and is causing leaks inside the building along with skylight leaking issues.

**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:** Breuer

gbreuer@azsfb.gov

602-542-6139

MARK R. TREGASKES  
Superintendent Printed Name

[Signature]  
Superintendent Signature

3/13/2014  
Date



Proposal for Architectural Services in connection with  
SFB Building Renewal Grant Funding

PRINCIPALS  
LICENSES

PETE BARKER  
ARIZONA  
CALIFORNIA

PAUL HOLLAND  
ARIZONA  
NEW MEXICO  
NORTH CAROLINA

BRUCE R. SCOTT  
ARIZONA

Date: November 25, 2014

District Name: Safford Unified School District

Superintendent: Mark R. Tregaskes

Contact Person: Tim McHugh

Contact # (928) 348-6985

Contact email [tmchugh@saffordusd.com](mailto:tmchugh@saffordusd.com)

Project Site: Dorothy Stinson School  
2013 S. 8th Ave.  
Safford, AZ 85546

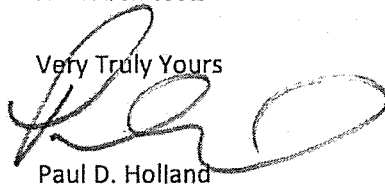
Project Description: Investigate 7,182 SF roof at Classroom Building 400.

Probable Cost: To be Determined

Architectural	Field Investigation (294 Miles Round Trip) $\$2250 \times 0.5 =$	\$1,125
Services:	Proposed Architectural Fees	\$1,125

HDA Architects LLC

Very Truly Yours



Paul D. Holland

**STATE OF ARIZONA  
SCHOOL FACILITIES BOARD**

**Meeting Date: December 10, 2014**

**Agenda Item V.f.**

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

**Blue Ridge Unified  
Young Elementary**

**Background – Blue Ridge Unified (Blue Ridge JH/MS – repair fire road and bus lane asphalt)**

Blue Ridge Unified has submitted a Building Renewal Grant request to repair the asphalt fire road/bus lane at Blue Ridge Junior High/Middle School.

Blue Ridge Unified, located 190 miles northeast of Phoenix in Pinetop/Lakeside, has four schools. Blue Ridge Junior High/Middle School consists of one building constructed in 2008, totaling 127,520 square feet. The fire lane is located between the school and playground areas and has major potholes that hold water and ice.

On a daily basis, the students cross the fire lane when going to the playground. The break-up of the asphalt has the potential for tripping hazards. Staff visited the site and agrees with the need for repairs to the fire lane. However, it appears that this asphalt drive should have a longer life span than 6 or 7 years. Staff recommends the district contact their architect and contractor to review this issue and determine why this asphalt drive is failing.

The district received an engineering estimate for design and construction administration in the amount of \$21,000 and a construction estimate of \$201,000 for the replacement of this asphalt fire lane. The district will contribute \$50,000 toward 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 – Blue Ridge Unified (Blue Ridge JH/MS – repair fire road and bus lane asphalt)**

Staff recommends that Blue Ridge Unified's request for Building Renewal Grant funding to replace the existing asphalt fire road and bus lane be denied because it appears the request does not meet the statutory requirements for Building Renewal Grant funding. 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.

**R7-6-205. School Site**

A. A school site shall have safe access, parking, drainage, security, and area to accommodate a school facility that complies with the minimum gross square footage



requirements established in A.R.S. § 15-2011, for the number of students at the school facility and that comply with these guidelines.

B. "Safe access" means a student drop off area or pedestrian pathway that allows students to enter the school facility without crossing vehicular traffic or by using a designated crosswalk. Any student drop off area that is used by a bus must be configured to accommodate bus width and turning requirements.

C. "Parking means a maintainable all weather surfaced area that is large enough to accommodate one parking space per staff FTE and one visitor parking space per 100 students. If this definition is not met, the sufficiency of the parking at the site is subject to review by the Board using the following criteria:

1. Availability of street parking around the school;
2. Availability of any nearby parking lots;
3. Availability of public transit;
4. Number of staff that drive to work on a daily basis; and
5. The average number of visitors on a daily basis.

D. "Drainage" means that a school site is configured such that runoff does not undermine the structural integrity of the school buildings located on the site or create flooding, ponding, or erosion resulting in a threat to health, safety, or welfare.

E. "Security" means a fenced or walled play/physical education area for students in programs for preschool children with disabilities and kindergarten and students in grades one through six. This definition is met if the entire school is fenced or walled. If this definition is not met, the sufficiency of security at the site is subject to review by the Board using the following criteria:

1. Amount of vehicular traffic near the school site;
2. Existence of hazardous or natural barriers on or near the school site;
3. The amount of animal nuisance near the school site; and
4. Visibility of the play/physical education area.

#### **Background - Young Elementary (Young Teaching HS - improve parking surfaces)**

Young Elementary has submitted a Building Renewal Grant request for improvements to their staff parking surfaces at Young Teaching High School. The district parking area has solid soils with 1/4 minus granite (all weather surface) as a traffic surface for parking.

The district has had solar arrays installed in this parking lot and the staff is parking under the arrays. It appears that when the structures were installed the parking surface under them was disturbed. Now that they are completed the ground remains wet after a rain causing "muddy" conditions. The solution to this issue should have been addressed at the time of the design of the arrays.

#### **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 – Young Elementary (Young Teaching HS - improve parking surfaces)**

Staff recommends 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.

#### **R7-6-205. School Site**

A. A school site shall have safe access, parking, drainage, security, and area to accommodate a school facility that complies with the minimum gross square footage requirements established in A.R.S. § 15-2011, for the number of students at the school facility and that comply with these guidelines.

B. "Safe access" means a student drop off area or pedestrian pathway that allows students to enter the school facility without crossing vehicular traffic or by using a designated crosswalk. Any student drop off area that is used by a bus must be configured to accommodate bus width and turning requirements.

C. "Parking means a maintainable all weather surfaced area that is large enough to accommodate one parking space per staff FTE and one visitor parking space per 100 students. If this definition is not met, the sufficiency of the parking at the site is subject to review by the Board using the following criteria:

1. Availability of street parking around the school;
2. Availability of any nearby parking lots;
3. Availability of public transit;
4. Number of staff that drive to work on a daily basis; and
5. The average number of visitors on a daily basis.

D. "Drainage" means that a school site is configured such that runoff does not undermine the structural integrity of the school buildings located on the site or create flooding, ponding, or erosion resulting in a threat to health, safety, or welfare.

E. "Security" means a fenced or walled play/physical education area for students in programs for preschool children with disabilities and kindergarten and students in grades one through six. This definition is met if the entire school is fenced or walled. If this definition is not met, the sufficiency of security at the site is subject to review by the Board using the following criteria:

1. Amount of vehicular traffic near the school site;
2. Existence of hazardous or natural barriers on or near the school site;
3. The amount of animal nuisance near the school site; and
4. Visibility of the play/physical education area.

**Board Action Requested:** ☐ information ☒ action / described below

1. 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** because it appears the request does not meet the statutory requirements for Building Renewal Grant funding. 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.
2. 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.

**Attachments:** Yes ☒ No ☐

**Building Renewal Grant Application**

**Initial Submission Date:** 11/5/2014 10:44:25 AM

**Application ID:** 1646

**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:** Blue Ridge Unified District

**Superintendent:** Greg Schalow

**Contact Person:** Jeff Akins

**Contact Phone Number:** (928) 368-8266 ext 120

**Contact Email:** jakins@brusd.k12.az.us

**School Site:** Blue Ridge Jr High School

**Buildings:** 1001 Junior High

**Application Title:** Asphalt Repairs in High Student Traffic Area

**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 Asphalt is failing on the West Side of the School creating large cracks and potholes. This is where all the Students are dropped off by our buses and picked up. This is also the main crossing area in which the students walk back and forth to the play grounds and athletic fields for recess and activities. The costs of this project approx. 200,000.00 to 300,000.00 far exceeds the districts financial capabilities.

**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	\$50,000.00
--	-------------

Please outline any associated insurance coverage.

The insurance company will only cover the liability issues that occur in the above listed areas, not the repairs to the area.

**Liaison:** Cruise

pcruise@azsfb.gov

602-364-1193

\_\_\_\_\_  
Superintendent Printed Name

# GERVASIO & ASSOC., INC.

CONSULTING ENGINEERS

77 EAST THOMAS ROAD, SUITE 120

PHOENIX, ARIZONA 85012

(602) 285-1720 • (602) 285-1530 (FAX)

November 12, 2014

Mr. Jeff Akins, Facilities Operations Director  
BLUE RIDGE UNIFIED SCHOOL DISTRICT  
1200 West White Mountain Blvd.  
Lakeside, AZ 85929

RE: BLUE RIDGE M.S./J.H. - DRAINAGE/ROADWAY REPAIRS  
3050 Porter Mountain Road, Lakeside, Arizona  
G&A Job No. ~~4160-B,C~~ 0043.4 B,C

Dear Mr. Akins:

We appreciate this opportunity to submit our prime proposal for Surveying & Civil Engineering services on the referenced project in the Town of Lakeside. Based on our discussions we understand the project has the following limited scope.

## LIMITED SCOPE OF PROJECT

1. Provide partial topographic survey and grading & drainage documents for repair of bus lane and related drainage.
2. Limited construction contract administration services.

To accomplish this Limited Project, the following design services are proposed:

## SCOPE OF SERVICES

### **Survey**

#### **A. Partial Topographic Survey with Drawing**

Per your request we will perform a Topographic Survey in an area  $\pm 600$  ft. by  $\pm 100$  ft. which is only a part of the property and we will measure:

1. Grid elevations ( $\pm 0.10$  ft.) at maximum 100 feet intervals including 50 feet onto adjacent property all per City benchmark.
2. Location and elevations at 100 ft. o.c. ( $\pm 0.05$  ft.) of adjacent bus lane, curbs, gutters, trees and sidewalks on the property only.
3. Location of above ground visible utilities such as fire hydrants, manholes, all poles & ground transformers.
4. Location and elevation of Temporary Benchmark (TBM) also marked in the field) for the construction contractor.
5. Show record location of underground utilities from the Owner's drawings if available including water, sewer, electricity, telephone and gas.
6. All work will be performed on AutoCAD version 2014. We will layer the information to AIA Standard "Recommended Designation for Architect & Engineering & Facilities Management".
7. Show lot lines "as-recorded" from Owner supplied Boundary Survey.

## Civil

### B. On-Site Grading & Drainage Plan

We will:

1. Show vertical elevations to provide drainage from critical areas of the proposed bus lane remediation.
2. Our plans will be overlaid on the Owner's drawings which establishes all horizontal dimensions, locations, ADA access routes & parking, and driveways. Only drainage for the proposed bus lane remediation will be addressed.

### C. Civil Engineering Review

Our fees include:

1. A total of two meetings at your office or the State Facilities Board, and appropriate notes, technical specifications, details, and cross sections on our drawings.
2. Agency approval of our Civil Engineering drawings.
3. During construction, answering written RFI's and providing interpretation of our drawings only.

## Construction Contract Administration

### D. Pay Applications, Punch List & Closeout

We will:

1. Attend the Preconstruction (Precon) Meeting at the site with the District Representative, the Contractor and the District Inspector. This meeting will be established by the District Representative. After the Precon and prior to start of construction the Contractor will then submit to us their Schedule of Values.
2. Review the Contractor's Schedule of Values to determine that it is a fair representation of the work breakdown without being unreasonably skewed or weighted. Based upon our review we will recommend to the District Representative approval of the Schedule of Values as submitted or with changes to items which we believe are unreasonable.
3. After the District's Inspector has performed an inspection with the Contractor for review of his Application for Payment (pay application), we will consult with the District's Inspector and review the application. This application shall be based upon the approved Schedule of Values per paragraph 1.
4. Notify the Contractor if we do not agree with the percentage of completion shown on the Contractor's pay application, and discuss the issue to resolve the discrepancy. If agreement cannot be reached, G&A will issue a Certificate for Payment that we believe is representative for that pay period.
5. When the project is approaching Substantial Completion the District's Inspector and the Contractor shall prepare a detailed punch list and submit it to G&A who will discuss it with the District's Inspector.
6. The Contractor shall then complete the punch list, record the date & initial when each line item is accomplished with the District's Inspector. The Contractor then shall provide the District written warranties and related documents required by the Contractor Documents. The District's Inspector will forward copies of all documents when complete to G&A for review. If fully complete, G&A will schedule final field review for general compliance with the Contract Documents.
7. Conduct one (1) final field review to determine the date of final completion; receive and forward to the District for the District's review and shall issue a final Certificate for Payment upon compliance with the requirements of the Contract Documents.

### SERVICES NOT INCLUDED

Our fees do not include:

1. Boundary survey with any measuring, locating or setting property corners, writing & locating any easements and reconciliation of any problems. We must be given a copy of the current Boundary Survey and rely on its accuracy for us to perform our work.
2. Separate Topographic Drawing. The locating of any on-site buildings, utility services, paving, curbs, fences, zoning & fire code setbacks, trees, sidewalks, etc. not specifically listed under Survey Services. Field locating any underground utilities and measuring all sewer inverts.
3. All other Engineering including site plan, retaining walls, footing elevations, fences, light poles, sidewalks, asphalt & concrete pavement design, Hillside Ordinance, Storm Water Pollution Prevention Plan, demolition drawings, utility service designs, fire hydrants, irrigation systems, environmental investigations, off-site hydrology, and all off-site design.
4. Value engineering, Schematic & DD Phases, general & special conditions, specification book, construction managers, Design/Build, cost estimates, design changes, fast tracking, at risk permit, phasing, putting project on hold, submittals/applications/permits & filing fees, bidding, reproductions, bidding or constructing before permit, supplying CADD after CD, construction administration/inspection/staking, cost of material & soil sampling & testing, engineering to correct contractor errors, overtime work, as-built drawings, field verification of finish floors, and inspection & enforcement of job safety requirements.
5. Inspection, review or approval of construction quality, exhaustive on-site inspections or measurements to check the quality or quantity of the work, construction means & methods, or guarantee a timely payment to the Contractor by the Owner. Review all copies of requisitions received from subcontractors and other data, nor ascertain how or for what purpose the contractor has used the money previously paid on account of the Contract Sum. Additional trips because the contractor was not prepared for our visit or completed the project as scheduled.
6. Architectural or geotechnical, structural, mechanical, plumbing and/or electrical engineering services.
7. Additional services will be performed per our current hourly fee schedule.

### COMPENSATION

We propose the following fees:

- Paragraph A. Partial Topographic Survey with Drawing - \$4,000.00
- B. On-Site Grading & Drainage Plan - \$10,000.00
- C. Civil Engineering Review - Included in fees.
- D. Pay Applications, Punch List & Closeout - \$7,000.00

### BASES OF FEES - TERMS & CONDITIONS

The City or County is responsible for knowing the areas of flooding within their jurisdictional areas. They will not tell us of their flooding experience until after we submit our drawings. Unless the agency has a detailed FEMA flood plain study (or other studies), we can only determine the potential for flooding by preparing an off-site hydrology study. Because this study is complex and thus expensive, we have excluded it from our proposal at this time. Without an off-site hydrology study, you must understand that it is unknown if this site is subject to flooding and we cannot be held responsible for any flooding.

Utilities shown on our drawings are from record drawings we receive from the City, Utility Companies, Architect, and Owner. These drawings often have errors and it is impossible for us to find them. The

Mr. Jeff Akins  
November 12, 2014  
G&A Job No. ~~4160-B, C~~ 0043.4 B, C  
Page 4

Contractor and Owner must rely on "Blue Stake" and potholing prior to construction to determine exact field location, condition and extent of existing underground utilities. You understand we will not be responsible for any claims due to condition & location of existing utilities and any redesign thereby caused will be an additional service.

This agreement shall include, except as modified herein, the following Articles from the 1987 Edition of AIA Document B141: 1.1.2, 2.4.1, 2.4.4, and 2.6 thru 10 (except 5) substituting the name Engineer for Architect. If you do not have a copy of B141 call and we will mail you one.

Client agrees that the liability of G&A, its agents and employees, in connection with services hereunder to the Client and to all persons having contractual relationships with them, resulting from any negligent acts, errors, and/or omissions of G&A, its agents, and/or employees is limited to the total fees actually paid by the Client to G&A for services rendered by G&A hereunder or \$10,000 whichever is greater.

The design phase quotation is valid for a period of 90 days from the date of this letter. After 90 days the fee is subject to renegotiation. The CCA phase quotation is valid if the construction begins within 12 months from the date of this letter otherwise it is subject to renegotiation. Final payment must be received before we complete final documentation of our services.

#### PAYMENT

Billing will be monthly for work accomplished during that month and the client is expected to pay within 30 days. Any billing or portion not paid within 90 days of the billing date is considered delinquent, shall be grounds for G&A to stop work, and shall be charged a delinquency charge of one and one half percent (1-1/2%) per month on the unpaid balance of principal and accrued interest. The client agrees that any dispute between the parties, shall be resolved by binding arbitration in accordance with the rules of the American Arbitration Association, and judgment may be entered in any court having jurisdiction thereof. The client understands the engineer will send a lien notice and also agrees to pay for reasonable attorney's fees.

If this proposal is satisfactory to you, please sign the two originals and return one to us, whereupon this proposal shall become a binding Agreement in accordance with its terms.

Sincerely,

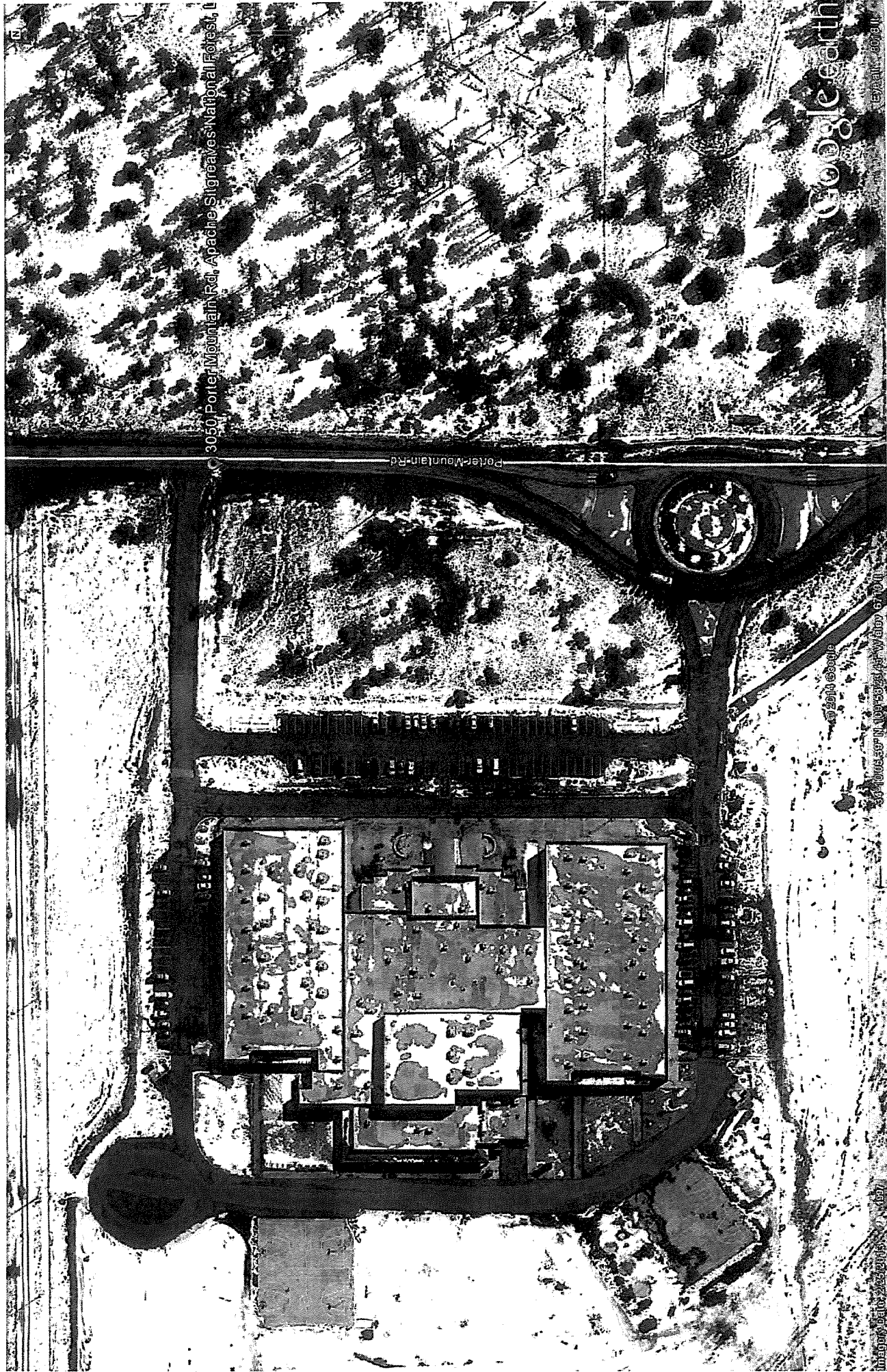
GERVASIO & ASSOC., INC.

  
Joseph A. Gervasio, P.E.  
President

REB/JAG:blm

ACCEPTED this \_\_\_\_\_ day of \_\_\_\_\_, 2014

BY: \_\_\_\_\_  
Authorized Official



3050 Porter Mountain Rd, Apache-Sitgreaves National Forest, AZ

Porter Mountain Rd

Google Earth

© 2008 Google

© 2008 Google

Imagery © 2008 Google



Contractor's License Numbers  
 AZROC-111922-CLA  
 AZROC-095189-C13  
 NV-49496 Limit \$5,000,000  
 CA-781952-C12  
 C5 74079



Phoenix - Tucson - Las Vegas - Bullhead City - Albuquerque

775 W Elwood St  
 Phoenix, AZ 85041  
 O: (602) 323-2800  
 F: (602) 323-2828  
 www.sunland-sports.com

## PROPOSAL

## PROPOSAL

<b>Client:</b> Blue Ridge Unified School District #32 1200 W White Mountain Blvd Lakeside, AZ 85929-0885	<b>Contact:</b> Jeff Akins O: (928) 368-8268 F: (928) 368-4008	<b>Job:</b> Blue Ridge MS-Jr HS Lot 8-18-14 3050 N. Porter Mountain Rd Lakeside, AZ 85929	<b>Date Written</b> : 8/28/2014 <b>Proposal Number</b> : 61049 <b>T-Line Number</b> : UJ9A000XZJ <b>Project Consultant:</b> Scott Hamilton
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**Bid in Accordance with the 1 GOVERNMENTAL PROCUREMENT ALLIANCE (1GPA)**

**Contract #12-20 – Asphalt and Related Surfaces - Awarded July 2, 2012**

**UNIT PRICE BREAK DOWNS ARE AS FOLLOWS – ZONE #13**

**ASTERISKS INDICATE AUTHORIZED UNIT PRICE REDUCTIONS PER RFP**

Blue Ridge Unified School District #32 is responsible for all of the following: Unobstructed access to the construction and staging areas. Removal, repair and/or replacement of vegetation, landscaping, hardscaping, irrigation and electrical lines affected by this scope of work. Hard dig related costs. Surveying, site staking, or site engineering. Plans, permits, bonds, inspections, testing and all applicable fees. Any other work not specifically addressed in this proposal

**We propose to furnish all labor, material, and equipment necessary to complete the work as outlined below in accordance with the plans and specifications submitted herewith, to wit:**

### Adjacent Ways - Remove / Replace Asphalt / Stripe

<b>32-130</b>	Make necessary sawcuts.		
	SAWCUTTING MOBILIZATION	1 LS @ \$360.50 =	\$360.50
	SAWCUTTING - ASPHALT	100 LF @ \$1.38 =	\$138.00
<b>22-110</b>	Remove approx. 44,722 square feet of existing asphalt to a depth of 3".		
	EXCAVATION MOBILIZATION	1 LS @ \$6,180.00 =	\$6,180.00
	EXCAVATION	553 CY @ \$36.05 =	\$19,935.65
	* DUMP FEES	553 CY @ \$40.00 =	\$22,120.00
<b>21-410</b>	Fine grade existing base, add moisture, and compact to grade on approx. 44,722 Sq. Ft.		
	GRADING MOBILIZATION	1 LS @ \$6,180.00 =	\$6,180.00
	* GRADING	4,970 SY @ \$1.50 =	\$7,455.00
<b>27-410</b>	Pave approx. 44,722 square feet with 1/2" asphalt to an average finished depth of 4" after compaction with a steel wheeled vibratory roller. (This proposal is based on performing the work in 2 section(s).)		
	* ASPHALT PAVING MOBILIZATION	1 LS @ \$11,039.34 =	\$11,039.34
	* ASPHALT PAVING	44,722 SF @ \$2.03 =	\$90,785.66
	TRUCKING - ASPHALT MATERIAL	120 HRS @ \$206.00 =	\$24,720.00
<b>32-145</b>	Layout and paint 6 standard ADA handicap stall(s) using Blue & Yellow latex traffic paint. Layout and paint 175 standard parking stall(s) using White latex traffic paint. Paint 5 arrows on pavement using White latex traffic paint.		
	STRIPING MOBILIZATION	1 LS @ \$618.00 =	\$618.00
	4" WIDE	3,150 LF @ \$0.15 =	\$472.50
	HANDICAPPED STENCILS	6 EA @ \$46.35 =	\$278.10
	LARGE ARROWS	5 EA @ \$15.45 =	\$77.25
		Sub Total :	\$190,363.00
NAV 4407		County Tax :	7,547.89
PLS 4450		City Tax :	3,093.40
		Grand Total :	\$201,004.29

Contractor's License Numbers  
AZROC-111922-CLA  
AZROC-095189-C13  
NV-49496 Limit \$5,000,000  
CA-781952-C12  
C5 74079



Phoenix - Tucson - Las Vegas - Bullhead City - Albuquerque

775 W Elwood St  
Phoenix, AZ 85041  
O: (602) 323-2800  
F: (602) 323-2828  
www.sunland-sports.com

## PROPOSAL

## PROPOSAL

<b>Client:</b> Blue Ridge Unified School District #32 1200 W White Mountain Blvd Lakeside, AZ 85929-0885	<b>Contact:</b> Jeff Akins O: (928) 368-8268 F: (928) 368-4008	<b>Job:</b> Blue Ridge MS-Jr HS Lot 8-18-14 3050 N. Porter Mountain Rd Lakeside, AZ 85929	<b>Date Written</b> : 8/28/2014 <b>Proposal Number</b> : 61049 <b>T-Line Number</b> : UJ9A000XZJ <b>Project Consultant:</b> Scott Hamilton
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### Adjacent Ways - Slurry Seal Option

**32-180** Clean and prepare surface and apply a P.A.G. Polymer Modified Type II slurry seal at the rate of 1.5 to 2.25 Lbs. of aggregate per Sq. Ft. on approx. 83,565 square feet. Roll with a steel wheeled or rubber tired roller. Please Note: The elimination of any existing drainage problem or reflective cracking is not intended nor guaranteed. Power steering marks are normal and should not be cause for undue concern. Areas not accessible to the slurry seal machine will be done by hand and will have a different texture than machine laid areas.

* SLURRY SEAL MOBILIZATION	1 LS @ \$5,318.15 =	\$5,318.15
* SLURRY SEAL	9,285 SY @ \$2.01 =	\$18,662.85
	Sub Total :	\$23,978.00
NAV 4407	County Tax :	950.73
PLS 4450	City Tax :	389.64
	Grand Total :	\$25,318.37

### Non - Adjacent Ways - Slurry Seal

**32-180** Clean and prepare surface and apply a P.A.G. Polymer Modified Type II slurry seal at the rate of 1.5 to 2.25 Lbs. of aggregate per Sq. Ft. on approx. 47,151 square feet. Roll with a steel wheeled or rubber tired roller. Please Note: The elimination of any existing drainage problem or reflective cracking is not intended nor guaranteed. Power steering marks are normal and should not be cause for undue concern. Areas not accessible to the slurry seal machine will be done by hand and will have a different texture than machine laid areas.

* SLURRY SEAL MOBILIZATION	1 LS @ \$1,110.61 =	\$1,110.61
* SLURRY SEAL	5,239 SY @ \$2.01 =	\$10,530.39
	Sub Total :	\$11,641.00
NAV 4407	County Tax :	461.57
PLS 4450	City Tax :	189.17
	Grand Total :	\$12,291.74

**ALL SLURRY SEAL SCOPES OF WORK MUST BE DONE IN CONJUNCTION WITH EACHOTHER.**

Contractor's License Numbers  
AZROC-111922-CLA  
AZROC-095189-C13  
NV-49496 Limit \$5,000,000  
CA-781952-C12  
C5 74079



Phoenix - Tucson - Las Vegas - Bullhead City - Albuquerque

775 W Elwood St  
Phoenix, AZ 85041  
O: (602) 323-2800  
F: (602) 323-2828  
www.sunland-sports.com

## PROPOSAL

## PROPOSAL

<b>Client:</b> Blue Ridge Unified School District #32 1200 W White Mountain Blvd Lakeside, AZ 85929-0885	<b>Contact:</b> Jeff Akins O: (928) 368-8268 F: (928) 368-4008	<b>Job:</b> Blue Ridge MS-Jr HS Lot 8-18-14 3050 N. Porter Mountain Rd Lakeside, AZ 85929	<b>Date Written</b> : 8/28/2014 <b>Proposal Number</b> : 61049 <b>T-Line Number</b> : UJ9A000XZJ <b>Project Consultant:</b> Scott Hamilton
---	---	--	---

### Notes / Disclaimers

The depth of the existing asphalt is only an estimate. Additional depth may require additional charges.

No permits, fees, bonds, compaction test, concrete, striping bumper blocks, signs (No signage of any kind, electrical signs of any kind, barricades, stop signs, handicap signage, warning or beware signs) weed killers, water meter, or staking in price unless noted in contract. There will be an extra charge based on time and material for the removal and replacement of dirt or soil if hardpan, saltpeter or caliche is found unless otherwise noted.

Additional charges may be applied resulting from circumstances beyond the control of Sunland Asphalt which prohibit the above mentioned work from being completed as scheduled. (i.e., unmoved vehicles, trailers, sprinklers, vandalism, etc.)

Site was bid assuming conventional grading equipment. If hard soil or rock is encountered, non-conventional equipment (hoe ram, blasting, track type tractors) will need to be used. Sunland Asphalt will work on a time and materials basis until such time that conventional equipment can be used.

**NOTE: IMPORTANT NOTICE:** Due to the severe volatility of the world oil market, the price on this proposal is for work completed before 10/3/2014. If work is completed after this date, regardless of cause or fault, pricing will be adjusted to reflect material costs at the time of delivery to the project. All materials and work affected by the oil market are dependant on availability of materials and pricing at the time of completion of the work.

### ACCEPTANCE OF PROPOSAL

The above prices, specifications and conditions are satisfactory and hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above. Sunland Asphalt may withdraw this proposal if not accepted within 30 days, or if pricing becomes invalid within the notice above.

#### Sunland Asphalt

Authorized Signature : \_\_\_\_\_  
Name : **Scott Hamilton**  
Designation : **Project Consultant**

### TERMS: NET 15 DAYS

#### Client

Authorized Signature : \_\_\_\_\_  
Name : \_\_\_\_\_  
Date : \_\_\_\_\_

#### SUNLAND ASPHALT TERMS AND CONDITIONS

All materials guaranteed to be as specified. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents, and delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance. All jobs are subject to prelien.

#### Sunland Asphalt Terms and Conditions

Contractor hereby accepts the terms of the attached Contract subject to the provisions as defined on the Contract Agreement as well as the Owner's Agreement with the terms set forth in this Addendum. This Addendum is attached hereto and incorporated herein by reference. If any of the terms of the Contract are inconsistent with the terms of this Addendum, then this Addendum shall be controlling and the parties shall be bound by the terms and conditions of this Addendum.

#### 1. PAYMENT

Contractor shall be paid a monthly progress payment within 15 days after receipt of the payment by the Owner for the value of work performed. Final payment, including all retention, shall be due 15 days after the work described in the Proposal is substantially completed. No provision of this agreement shall serve to void the Contractor's entitlement to payment for properly performed work.

#### 2. INTEREST AND EXPENSES

All sums not paid when due shall bear an interest rate of 1 ½% per month or the maximum legal rate permitted by law, whichever is less, and all costs of collection, including a reasonable attorneys' fee, shall be paid by Owner.

#### 3. ATTORNEYS' FEES

In the event of litigation or collection efforts by Contractor, the prevailing party shall be reimbursed for its reasonable attorneys' fees, which shall include all costs that would normally be passed through to the client, specifically but not limited to research charges, travel costs, expert witness costs, copying costs, mailing costs, facsimile costs, had-delivery costs, Federal Express or Express Mail costs, taxable costs and disbursements.

#### 4. CONTINUED PERFORMANCE

Nothing in this subcontract agreement shall require the Contractor to continue performance if timely payments are not made to Contractor for suitably performed work.

#### 5. BACKCHARGES

No back charges or claim of the Owner for services shall be valid except by an agreement in writing by the Contractor before the work is executed, except in the case of the Contractor's failure to meet any requirement of the subcontract agreement. In such event, the Owner shall notify the Contractor of such default, in writing, and allow the Contractor reasonable time to correct any deficiency before incurring any cost chargeable to the Contractor.

#### 6. WORK AREAS

Owner is to prepare all work areas so as to be acceptable for Contractor work under the contract. Contractor will not be called upon to start work until sufficient areas are ready to insure continued work.

#### 7. TIME FOR PERFORMANCE

Contractor shall be given a reasonable time in which to commence and complete the performance of the contract. Contractor shall not be responsible for delays or default where occasioned by any causes of any kind and extent beyond its control, including but not limited to: delay caused by Owner, architect and/or engineers, delays in transportation, shortages of raw materials, civil disorders, labor difficulties, vendor allocations, fires, floods, accident hazardous waste or controlled substances and acts of God. Contractor shall be entitled to equitable adjustment in the subcontract amount for additional costs due to unanticipated project delays or accelerations. Contractor shall not be obligated to provide any labor or materials outside the scope of work unless Owner shall first agree in writing to equitably adjust the subcontract amount to be paid Contractor.

#### 8. WORKMANSHIP

All workmanship is guaranteed against defects for a period of one year from the date of substantial completion of installation. This warranty is in lieu of all other warranties, express or implied, including any warranties of merchantability or fitness for a particular purpose. The exclusive remedy shall be that Contractor will replace or repair any part of its work which is found to be defective. Contractor shall not be responsible for special, incidental or consequential damages. Contractor shall not be responsible for damage to its work by other parties or for improper use of equipment by other Standard of industry practice and will override strict compliance and strict performance.

#### 9. WORK HOURS

Work called for herein is to be performed during Contractor's regular working hours as agreed to by the Owner and the Contractor.

#### 10. NOTICE

Any notice or written claim required by the contract documents to be submitted to the Owner, on account of charges, extras, delays, acceleration, or otherwise, shall be furnished within a time period, and in a manner to permit the Owner to satisfy the requirements of the contract documents, notwithstanding any shorter time period otherwise provided.

#### 11. LIEN RIGHTS

Nothing in this agreement shall serve to void Contractor's right to file a lien or claim on its behalf in the event that any payment to Contractor is not timely made.

#### 12. LABOR

Contractor shall not be bound by any of Owner's labor agreements (in whole or in part).

#### 13. LIQUIDATED DAMAGES

The Owner shall make no demand for liquidated damages for delays in any sum in excess of such amounts as may be specifically named in this Addendum and no liquidated damages may be assessed against Contractor for more than the amount paid by the Owner for unexcused delays to the event actually caused by the Contractor.

#### 14. SCHEDULE

Contractor shall submit a schedule to Owner, Owner will review and notify Contractor of any schedule conflict. If Contractor finds it necessary to change his schedule, owner will give his best effort to meet this change in schedule. Contractor shall not be penalized for non-performance and will be paid for work performed.

#### 15. INSURANCE RESTRICTION

Notwithstanding any provision to the contrary, Contractor shall maintain the types and limitations on insurance as shown on the attached certificate of insurance. Contractor is not required to waive any claims or rights of subrogation against the Owner or any others for losses and claims covered or paid by Owner's workers compensation or general liability insurance. Acceptance of the Certificate of Insurance constitutes acceptance of the insurance of Contractor, including any additional insured requirements. In addition, Contractor shall not provide completed operations under an additional insured requirement.

#### 16. INDEMNITY, HOLD HARMLESS RESTRICTION

Any indemnification or hold harmless obligation of the Contractor shall extend only to claims relating to bodily injury and property damage and then only to that part or proportion of any claim damage, loss or defect that results from the negligence or intentional act of the indemnitor or someone for whom it is responsible. Contractor shall not under any circumstance have a duty to defend. Nothing in this agreement shall require the Contractor to indemnify any other party from any damages including expenses and attorneys' fees to persons or property for any amount exceeding the degree Contractor directly caused such damages. Contractor shall not be responsible for fines or assessments made against Owner and Contractor. Contractor retains all rights of subrogation. Contractor will not indemnify anybody for any actions except for Contractor's own negligence and only in the proportional amount of their negligence.

#### 17. RIGHT TO RELY

Contractor shall rely on plans, drawings, specifications and other information provided by Owner, Owner, Architect or representatives of each. Contractor assumes no risk for unknown or unforeseen conditions not evident from the plans, drawings, specifications or other information provided to Contractor.

#### 18. HAZARDOUS WASTE

Contractor shall have no obligation to handle (that is, to remove, treat or transport) any substance which is considered hazardous waste or substance under state or federal law ("hazardous waste"). Handling hazardous waste shall be outside the scope of work of this agreement. Title to all hazardous waste shall remain with others and shall not be property of Contractor.

#### 19. DISPUTE RESOLUTION

Final determination of contract compliance and all dispute resolutions shall be handled in the jurisdiction and venue of Maricopa County, Arizona, and be governed by the laws of Arizona.

**Building Renewal Grant Application**

**Initial Submission Date:** 9/25/2014 10:42:56 AM

**Application ID:** 1534

**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:** Young Elementary District  
**Superintendent:** Linda Cheney  
**Contact Person:** Linda Cheney or Thomas Rye  
**Contact Phone Number:** 928.462.3244  
**Contact Email:** lcheney@youngschool.org, trye@youngschool.org  
**School Site:** Young Teaching High School  
**Buildings:** 9999 School Wide

**Application Title:** Parking Lot Resurface

**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.

## Building Renewal Grant Application

**Demographics:** Young is a small, isolated community in the central mountains of Arizona with a population of approximately 700 people, and is separated from mainline communication and commerce by many miles of mountainous and winding dirt roads. Young Elementary School District #5 technically contains a separate K-8 elementary school and a "teaching" high school (one of the few left in the state), but both schools exist in a single academic building, separated by the administrative offices. The campus spans 13.7 acres and includes a gym/cafeateria, vocational building/auto shop/ production greenhouse various out-buildings, and a community complex and two parking lots.

**Financial Need:** The socio-economic status of most Young families is low, and 88% of our students qualify for the free or reduced lunch program. Given the small and isolated nature of the community, the primary tax rate is high, so bonding for capital improvements is out of the question. Young residents pride themselves in the fact that the district has never floated a bond or been encumbered. The school and community have been good stewards of their funding and have spent frugally, but with the recent economic down-turn many families have had to leave Young to seek employment elsewhere, leaving our student enrollment and thus our funding, inadequate to make some needed improvements.

**Justification for Project:** Since 2008, our north parking lot has been continuously disturbed by construction projects including the SFB's modification project on our academic building completed in 2009, greenhouse construction in 2011, sidewalk additions in 2012, and two solar projects, one in 2011 and one in 2013. The result is that the granite overcoat is all but gone, leaving a muddy mess in inclement weather. This causes problems for ingress and egress from the parking lot, drainage issues, and significant wear to the floors in adjoining buildings from mud and granite on peoples' shoes.

**Contribution from this grant:** \$3,260.00 (See attached bid from Hunt Materials)

**Contribution from school:** \$300 (Oversight by facilities manager)

**YPS History of Recent Capitol Expense:** Early in the 2013-14 school year, the district received word that the State Legislature had rescinded the statute that provided building renewal funding for Arizona schools, and with that, the authorization to spend the funds already in our Building Renewal Fund. We were advised by our attorney that it would be prudent use the funds in order to avoid losing them. Along with making some much-needed repairs to sidewalks and heating systems, these funds were used to install security equipment and systems, and some were used to enhance systems already in place. This enhancement of our security systems included; installation of an electronic gate to control ingress and egress in our student-staff parking lot, rekeying of the entire campus, enhancement of our video surveillance system and installation of security doors in our academic building to funnel visitors through our main office.

**Conclusion:** Young is a rural, remote community, and although some businesses have paved parking lots, it is not the norm. We have sought bids from paving companies and found the cost exorbitant. Granite roads and parking lots seem to be adequate and functional for most purposes in the community. Local granite is available keep the cost even more reasonable.

Thank you for your consideration in this matter.

**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**

## Building Renewal Grant Application

Amount of Local funds planned for this project
--

\$300.00
----------

Please outline any associated insurance coverage.

**Liaison:** Cruse

pcruse@azsfb.gov

602-364-1193

\_\_\_\_\_  
Superintendent Printed Name

\_\_\_\_\_  
Superintendent Signature

\_\_\_\_\_  
Date

Hunt Materials

P.O. Box 92

AZ 85554

**Estimate**

Date	Estimate #
9/16/2014	4

Name / Address
Young Public School

Project

Item	Description	Qty	Rate	Total
screened granite		112	18.00	2,016.00T
Gannon		8	75.00	600.00
Labor		16	20.00	320.00
Trencher		2	90.00	180.00T
			<b>Subtotal</b>	\$3,116.00
			<b>Sales Tax (6.6%)</b>	\$144.94



**Total**

**\$3,260.94**

Hunt Materials

P.O. Box 92

AZ 85554

**Estimate**

Date	Estimate #
9/16/2014	4

Name / Address
Young Public School

				Project
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Trencher		2	90.00	180.00T
			<b>Subtotal</b>	\$3,116.00
			<b>Sales Tax (6.6%)</b>	\$144.94
			<b>Total</b>	\$3,260.94

**Emergency Deficiency Fund Balance  
December 5, 2014**

Revenues

Transfers From the New School Facilities Fund	\$16,088,364
Transfers from Deficiency Corrections Fund	\$700,434

Total Revenues	\$16,788,797
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Obligations to Date	(\$16,205,828)
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Balance	\$584,289
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December 10, 2014 Awards	(\$20,060)
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Balance	\$564,229
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The Board has awarded 74 projects.  
3 projects are in construction  
71 projects are complete

**STATE OF ARIZONA  
SCHOOL FACILITIES BOARD**

Meeting date: December 10, 2014

Agenda Item VI.a.

Subject: VI. Emergency Deficiencies Correction Requests

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

**Colorado River Union**

**Background – Colorado River Union (Mohave HS – replace light poles)**

Colorado River Union has submitted an Emergency Deficiencies Correction request regarding the structural safety concerns of the sport field light poles at Mohave High School.

Colorado River Union, located in Bullhead City, has two schools. Mohave High School is comprised of thirteen buildings constructed between 1969 and 2007, totaling 250,103 square feet.

One of the light poles fell in a wind storm. The Arizona Risk Retention Trust had their structural engineer respond and he determined that further forensic investigation of all the poles needs to be completed.

The district received an engineer's forensic services proposal to investigate the corroded light poles and possible collapse risk in the amount of \$17,060.

**Criteria for Eligibility**

ARS §15-2022, paragraph E.: For the purpose of this section, "emergency" means a serious need for materials, services or construction or expenses in excess of the district's adopted budget for the current fiscal year that seriously threatens the functioning of the school district, the preservation or protection of the property or public health, welfare or safety.

**Staff Recommendation – Colorado River Union (Mohave HS – replace light poles)**

Staff recommends 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.

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

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.

**Attachments: Yes [ X ]      No [ ]**

**SCHOOL FACILITIES BOARD****EMERGENCY DEFICIENCIES CORRECTIONS**

Detail of Additional Cost and Contingency  
  X   Emergency Deficiencies Corrections Fund

District: **Colorado River Union**

EP Project Number: **080502001-9999-001EP**

Mohave County

Project Description: **Replace light poles**

Consultant: **Gervasio & Assoc. (602-285-1720)**

Contractor: **TBD**

Executive Authority: **12/1/2014**

Board ratification: **12/10/2014**

<b>School Facilities Board Action Approved as recommended by Staff</b>		<b>Staff Rec. or Approved</b>
<b>Emergency Deficiencies Base Cost</b> (cost estimate provided by architect or contractor)		<b>\$ 17,060</b>
Contingency ①		<b>\$ 3,000</b>
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
<b>Total Additional Cost:</b>		<b>\$ -</b>
<b>Total SFB Funded Project Cost:</b>		<b>\$ 20,060</b>
District Share (Local Funds):		\$ -
<b>SFB Board Approved Amount:</b>		<b>\$ 20,060</b>
<b>Total Project Cost:</b>		<b>\$ 20,060</b>

① Contingency shall only be used with SFB staff approval.

**School Facilities Board**  
**SFB EP 110-08**

**EMERGENCY DEFICIENCY CORRECTION**  
**Project Application Form**

**Emergency Deficiencies Correction Funding Application**

**Initial Submission Date:** 11/21/2014 3:37:49 PM

**Application ID:** 1667

**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 Frie

**Contact Person:** John Wawrzynek

**Contact Phone Number:** 928-444-7529

**Contact Email:** jwawrzynek@bullheadschoools.com

**School Site:** Mohave High School

**Buildings:** 9999 School Wide

**Application Title:** Field Lights

**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.

Field Lights are in need of repair. One light pole fell down and others have structural issues. This is a safety concern.

**Project Category:** Electrical

**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** Was money to address this issue included in your adopted budget for this fiscal year? N

Current fiscal year building renewal expenditures:	\$0.00
Current balance of unrestricted capital:	\$1,000.00

Please outline any associated insurance coverage.

N/A

**Liaison:** Breuer gbreuer@azsfb.gov

602-542-6139

Superintendent Printed Name

Superintendent Signature

Date

11/21/2014 3:37:48 PM

1

**Application ID:** 1667

# GERVASIO & ASSOC., INC.

## CONSULTING ENGINEERS

(602) 285-1720 • 77 East Thomas Road, Suite 120  
Phoenix, Arizona 85012

## PROFESSIONAL SERVICES

\*\*\* This is the only page \*\*\*

TO: School Facilities Board  
1700 W. Washington St.  
Phoenix, Arizona 85007

ATTN: Dean Gray

JOB NAME: Mohave High School

CLIENT JOB or CLAIM #: \_\_\_\_\_

G&A JOB #: TBD

DATE: Nov 26, 2014

E-MAIL: dgray@azsfb.gov

PHONE: (602) 542-6501

G&A Phone: (602) 285-1720

G&A Fax: (602) 285-1530

254 Code \_\_\_\_\_

Per your verbal request we are proceeding with Forensic Services on the following assignment:

Mohave High School is located at 2251 Arizona 95 in Bullhead City, Arizona.

It was reported that a light pole located on the junior varsity baseball field was severely corroded at the base and collapsed during a wind storm on Tuesday, August 19, 2014. G&A investigated the damage and issued a report to the Arizona Risk Retention Trust on September 10, 2014 in which we identified several light poles which are still standing but which are at high risk of collapse. Our assignment is to determine if the remaining light poles can be repaired or if they need to be replaced. We will:

- Supplement our original field data with additional detailed measurements of the light poles;
- Coordinate with a testing laboratory to non-destructively test the light pole base welds;
- Perform structural calculations of the light poles using the collected field data; and
- Provide a written report of our findings, conclusions and recommendations.

We estimate the fee for this work will be as follows:

G&A Engineering:	\$10,000
Weld Testing (not by G&A):	\$3,000

Work not included in the fee estimate:

- Sealed repair drawings;
- Contract labor to assist with cleaning rust and/or paint in the areas of work;
- Lift with operator to assist in measuring light trees at the top of the light poles.

We will be billing you monthly so that you may control your costs. We invoice per hour based on our Hourly Fee Schedule. You are responsible for our bill unless you make other written arrangements with our Bookkeeper at this time. Please confirm your request by signing and mailing sheet back to us.

Jack Gordon, P.E.

Project Engineer

Reviewed by: na

Original to Bkpr.      Lien Notice ☐  
Copy to Sec.  
Copy to Dept. Dir

Client Approval

Title

File Folder:      Yes      No

☐ Small Job - 1 File Folder Needed

## Dean Gray

---

**From:** Jack Gordon [jeg@gervasioeng.com]  
**Sent:** Wednesday, November 26, 2014 2:41 PM  
**To:** Dean Gray  
**Subject:** Fw: Investigation Rates

Dean,

See below for an estimate on lift and labor costs for Mohave HS light poles. I probably would not need it for more than 1 day. You might assume 2 days for budgeting.

Jack Gordon, P.E.  
Gervasio & Assoc., Inc.  
77 E. Thomas Rd., Suite #120  
Phoenix, AZ 85012  
P: (602) 285-1720  
F: (602) 285-1530

----- Original Message -----

**From:** Adam Zius  
**To:** jeg@gervasioeng.com  
**Sent:** Wednesday, November 26, 2014 2:19 PM  
**Subject:** Investigation Rates

Hi Jack,

Please find our attached investigation rates for your use:

**Mobilization:**

2men to Bullhead City and Back to Phoenix \$1,360.00

**Lift Rental: 80' Boom Lift**

Delivery \$395.00  
1 Day Rental (United Rentals) \$892.00/Day (Weekly rates are available as well)

**Investigation:**

2man Crew with Lodging & Per-diem \$1413.00/Day

If you need any additional information please feel free to call my cell @ 480-280-8353. Thanks again for the opportunity.  
Have a great holiday weekend!

Adam Zius  
Arizona Division Manager  
Restruction Corporation  
2127 S. Priest Dr. Suite 405, Tempe, AZ 85282  
(480) 557-9174  
[www.restruction.com](http://www.restruction.com)





**STATE OF ARIZONA  
SCHOOL FACILITIES BOARD**

**Meeting Date: December 10, 2014**

**Agenda Item VII.**

**Subject: VII. Notice of Claim Jeffrey A. Bade**

The Board may vote to go into executive session for the purpose of discussion or consultation for legal advice with the attorney or attorneys of the public body pursuant to A.R.S. § 38-431.03(A)(3); and for the purpose of discussion or consultation with the attorney or attorneys to consider its position and instruct its attorneys regarding pending or contemplated litigation or in settlement discussions conducted to avoid or resolve litigation pursuant to A.R.S. § 38-431.03(A)(4).

**Board Action Requested: ☒ information ☐ action / described below**

**Attachments: Yes ☐ No ☒**