

**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.

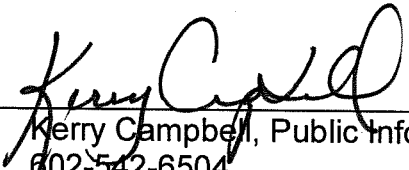
Pursuant to A.R.S. §38-431.03(A)(3), (4) and (7) the Board may vote to go into Executive Session, which is not open to the public to receive legal advice from the Board's attorney on any matter listed on the agenda.

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 29th day of August, 2014.

September 3, 2014
10:00am MST
Arizona State Archives Building
1901 W. Madison St.
1st Floor Meeting Room
Phoenix, Arizona 85009

By


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

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

AGENDA
SCHOOL FACILITIES BOARD
September 3, 2014
10:00AM

Arizona State Archives Building
1901 W. Madison St.
1st Floor Meeting Room
Phoenix, Arizona 85009

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

- I. Call to Order
- II. Roll Call
- III. Consideration and possible vote to accept, reject or modify the Minutes of August 6, 2014
- IV. Director's Report
 - a. Land Donation Suitable for School Site – Litchfield Elementary
- V. New School Construction
 - Consideration and possible vote to accept, reject or modify the New Construction Projects Review, Bids, and Bid Packages
 - ◆ Thatcher Unified
- VI. 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 project award)

- | |
|---|
| ◆ Apache Junction Unified |
| ◆ Bullhead City Elementary (4 requests) |
| ◆ Colorado River Union (2 requests) |
| ◆ Lake Havasu Unified |
| ◆ Mesa Unified |
| ◆ Mohave Valley Elementary (3 requests) |
| ◆ Saddle Mountain Unified |
| ◆ Scottsdale Unified (2 requests) |
| ◆ St. David Unified |

- b. 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 project award)

◆ Yuma Elementary

- c. 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 \$30,000 for professional evaluation)

◆ Kingman Unified

◆ Mesa Unified

◆ Thatcher Unified

- d. 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 \$30,000 for professional evaluation) and supplemental award

◆ Cave Creek Unified

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

Supplemental Awards

◆ Joseph City Unified

◆ Lake Havasu Unified (4 requests)

◆ Mohave Valley Elementary

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

Construction Awards

◆ Bonita Elementary

◆ Casa Grande Elementary

◆ Gila Bend Unified (4 requests)

◆ Globe Unified

◆ Kingman Unified

◆ Kirkland Elementary

◆ Lake Havasu Unified

◆ Tonto Basin Elementary

◆ Tucson Unified (7 requests)

- g. Consideration and possible vote to accept, reject or modify Building Renewal Grant requests

Construction Awards

- ◆ Tucson Unified

- h. Consideration and possible vote to accept, reject or modify Building Renewal Grant requests

Design Awards

- ◆ Gila Bend Unified (2 requests)
- ◆ Globe Unified (2 requests)
- ◆ St. David Unified (2 requests)

- i. Consideration and possible vote to accept, reject or modify Building Renewal Grant requests

Denial

- ◆ Nogales Unified

VII. Future Agenda Items

VIII. 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.

IX. Adjournment

SCHOOL FACILITIES BOARD
August 6, 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 10:05 A.M.

<u>Members Present</u>	<u>Guests Present</u>
Tom Rushin, Vice-Chair	Alex Martinez, Johnson Controls, Inc.
Traci Sawyer-Sinkbeil	Jim Serbin, Tolleson ESD
Vern Crow	Lupita Hightower, Tolleson ESD
Dr. Jeff Smith	Michael Williams, OSPB
Edward Boot	Sameer Pandey, BESP
Dru Barisich	Clyde Dangerfield, Cantelme & Brown
Ward Simpson	Jeff Cromer, Sagebrush Restoration, LLC
<u>Members Absent</u>	<u>Staff Present</u>
Jennifer Stielow, Chair	Dean Gray, Executive Director
Bryan Peltzer	Phil Williams, Deputy Director
Stacey Morley (non-voting)	Kerry Campbell, Public Information Officer
	Debra Sterling, Attorney General's Office
	Dan Demland, Architect
	Megan Gallegos, Intern

- I. Call to Order
Vice-Chairman Tom Rushin called the meeting to order at approximately 10:05 A.M.
- II. Roll Call
There were seven (7) voting Board Members present.
- III. Consideration and possible vote to accept, reject or modify the Minutes of June 11, 2014 and June 25, 2014
Vern Crow made a motion for Board approval of the Minutes of June 11, 2014 and June 25, 2014. Traci Sawyer-Sinkbeil seconded. The motion passed with a voice vote of 7-0.
- IV. Director's Report
 - a. Policy Approval – IX. Building Renewal Grant Fund and X. Tribal Government Policy
Dean Gray provided a brief explanation of the proposed changes as presented in the Board packet.

Vern Crow made a motion for Board approval of the proposed changes to IX. Building Renewal Grant Fund and X. Tribal Government Policy. Dru Barisich seconded. The motion passed with a voice vote of 7-0.
- 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

\$14,631,320. 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 Board motion approved on June 6, 2012, Director's Report, Agenda Item V.c. (up to \$50,000 for project award)

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

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

1. Board approval of the staff recommendation that **Bicentennial Union** be awarded \$25,500 in Building Renewal Grant funding to replace three gas hot water heaters in Buildings 1005 and 1004 at Salome High School (project number 150576201-9999-004BRG). This includes \$1,732 in contingency that will only be used with SFB staff approval.
2. Board approval of the staff recommendation that **Bullhead City Elementary** be awarded \$6,500 in Building Renewal Grant funding for the replacement of the gas hot water heater in the cafeteria/classroom Building 1005 at Desert Valley Elementary School (project number 080415105-1005-004BRG). This includes \$1,234 in contingency that will only be used with SFB staff approval.
3. Board approval of the staff recommendation that **Colorado River Union** be awarded \$8,641 in Building Renewal Grant funding to replace the pressure-reducing backflow prevention assembly at Mohave High School (project number 080502001-9999-011BRG). This includes \$500 in contingency that will only be used with SFB staff approval.
4. Board approval of the staff recommendation that **Colorado River Union** be awarded \$2,000 in Building Renewal Grant funding to replace the lift station sump pump in the mechanical room in Building 1001 at Mohave High School (project number 080502001-1001-012BRG). This includes \$372 in contingency that will only be used with SFB staff approval.
5. Board approval of the staff recommendation that **Gila Bend Unified** be awarded \$2,500 in Building Renewal Grant funding to replace the compressor on a 3-ton package unit serving a classroom in Building 1006 at Gila Bend High School (project number 070224002-1006-002BRG). This includes \$337 in contingency that will only be used with SFB staff approval.
6. Board approval of the staff recommendation that **Gila Bend Unified** be awarded \$2,800 in Building Renewal Grant funding to replace the compressor on a 5-ton package unit serving classroom Building 1008 at Gila Bend Elementary School (project number 070224001-1008-003BRG). This includes \$427 in contingency that will only be used with SFB staff approval.

7. Board approval of the staff recommendation that **Gila Bend Unified** be awarded \$2,500 in Building Renewal Grant funding to replace the compressor on a 3.5-ton package unit serving a classroom in Building 1003 at Gila Bend Elementary School (project number 070224001-1003-004BRG). This includes \$325 in contingency that will only be used with SFB staff approval.
8. Board approval of the staff recommendation that **Gila Bend Unified** be awarded \$2,500 in Building Renewal Grant funding to replace the compressor on a 3.5-ton package unit serving a classroom in Building 1003 at Gila Bend Elementary School (project number 070224001-1003-005BRG). This includes \$325 in contingency that will only be used with SFB staff approval.
9. Board approval of the staff recommendation that **Kirkland Elementary** be awarded \$18,000 in Building Renewal Grant funding for the removal of the old kitchen hood and attached fire suppression system in Building 1001 at Kirkland Elementary School (project number 130323001-1001-003BRG). This includes \$5,231 in contingency that will only be used with SFB staff approval.
10. Board approval of the staff recommendation that **Miami Unified** be awarded \$8,500 in Building Renewal Grant funding to bring the kitchen hood fire suppression system up to code in the cafeteria Building 1002 at Miami High School (project number 040240206-1002-002BRG). This includes \$575 in contingency that will only be used with SFB staff approval.
11. Board approval of the staff recommendation that **Mobile Elementary** be awarded \$1,000 in Building Renewal Grant funding to temporarily repair and reinstall the well pump at Mobile Elementary School (project number 070386101-9999-002BRG).
12. Board approval of the staff recommendation that **Mohave Valley Elementary** be awarded \$12,000 in Building Renewal Grant funding for the replacement of the 5-ton HVAC unit on the computer room in Building 1001 at Mohave Valley Junior High School (project number 080416103-1002-014BRG). This includes \$1,500 for the structural analysis and \$1,469 in contingency that will only be used with SFB staff approval.
13. Board approval of the staff recommendation that **Mohave Valley Elementary** be awarded \$13,000 in Building Renewal Grant funding for the replacement of two Bard wall-mounted HVAC units in Buildings 1004 and 1005 at Mohave Valley Elementary School (project number 080416101-1002-015BRG). This includes \$1,449 in contingency that will only be used with SFB staff approval.
14. Board approval of the staff recommendation that **Ray Unified** be awarded \$2,500 in Building Renewal Grant funding for repairs to two walk-in freezer units at the cafeteria Building 1015 at Ray Elementary School (project number 110203101-1015-003BRG). This includes \$380 in contingency that will only be used with SFB staff approval.

15. Board approval of the staff recommendation that **Saddle Mountain Unified** be awarded \$11,500 in Building Renewal Grant funding for the replacement the compressors in the 12.5-ton and 10-ton HVAC units serving the cafeteria Building 1009 at Ruth Fisher Elementary School (project number 070390101-1009-002BRG). This includes \$1,473 in contingency that will only be used with SFB staff approval.

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

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

- b. Consideration and possible vote to ratify the Executive Director's awards of Building Renewal Grant funds as authorized by the Board motion approved on June 6, 2012, Director's Report, Agenda Item V.c. (up to \$50,000 for project award)

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

Jim Serbin, Executive Director of Business Services for Tolleson Elementary, thanked the Board for considering the district's requests.

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

1. Board approval of the staff recommendation that **Tolleson Elementary** be awarded \$6,000 in Building Renewal Grant funding for the replacement of the electric water heater in the cafeteria/classroom Building 1005 at Arizona Desert Elementary School (project number 070417002-1005-008BRG). This includes \$553 in contingency that will only be used with SFB staff approval.
2. Board approval of the staff recommendation that **Tolleson Elementary** be awarded \$11,000 in Building Renewal Grant funds for the replacement of the 5-ton HVAC unit serving the kindergarten classroom in Building 1001 at Sheely Farms Elementary School (project number 070417103-1001-009BRG). This includes \$1,000 for the structural analysis and \$658 in contingency that will only be used with SFB staff approval.

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

Ms. Sawyer-Sinkbeil rejoined the Board at this time.

- c. 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 (B) (up to \$30,000 for professional evaluation) and supplemental award

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

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

Board approval of the staff recommendation that **Bowie Unified** be awarded \$100,368 in Building Renewal Grant funding to investigate and to replace the underground domestic water line system serving Building 1001 at Bowie High School (project number 020214200-9999-001BRG).

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

d. 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.

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

1. Board approval of the staff recommendation recommends that **Globe Unified** be awarded an additional \$389,000 in Building Renewal Grant funding for repairs to the pump house controls, valves and pump system at Copper Rim Elementary School (project number 040201003-9999-001BRG). This will bring the total project cost to \$759,949.
2. Board approval of the staff recommendation that **Nogales Unified** be awarded an additional \$143,398 in Building Renewal Grant funding for construction administration, asbestos removal, and construction for the roof restoration and parapet repairs on Buildings 1002 and 1010 at Francisco Vasquez de Coronado Elementary School (project number 120201108-9999-013BRG). This includes \$15,000 in contingency that will only be used with SFB staff approval and brings the total project cost to \$157,326.
3. Board approval of the staff recommendation that **Nogales Unified** be awarded an additional \$120,201 in Building Renewal Grant funding for construction administration, asbestos removal, and construction costs for the roof restoration and parapet repairs on Building 1003 at Santa Cruz Alternative High School (project number 120201209-9999-012BRG). This includes \$10,000 in contingency that will only be used with SFB staff approval and brings the total project cost to \$133,629.
4. Board approval of the staff recommendation that **Tombstone Unified** be awarded an additional \$82,500 in Building Renewal Grant funding for the replacement of an existing failed HVAC system at Huachuca City Elementary School (project number 020201101-1008-006BRG). This includes \$7,500 in contingency that will not be used without SFB staff approval.
5. Board approval of the staff recommendation that **Wickenburg Unified** be awarded an additional \$2,442 in Building Renewal Grant funding to replace the exhaust fan in Building 1016 at Wickenburg High School (project number 070209201-1016-003BRG). This brings the total project cost to \$2,942.

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

e. 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.

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

1. Board approval of the staff recommendation that **Amphitheater Unified** be awarded \$284,023 in Building Renewal Grant funding for the replacement of the chiller and associated equipment on Building 1007 at Canyon del Oro High School. This includes \$25,000 in contingency that will only be used with SFB staff approval.
2. Board approval of the staff recommendation that **Bowie Unified** be awarded \$15,000 in Building Renewal Grant funding to replace ten exterior doors, including paintwork on Building 1001 at Bowie Elementary. This includes \$4,054 in contingency that will only be used with SFB staff approval.
3. Board approval of the staff recommendation that **Colorado River Union** be awarded \$1,300 in Building Renewal Grant funding to repair the fire riser in the gymnasium Building 1003 at River Valley High School. This includes \$391 in contingency that will only be used with SFB staff approval.
4. Board approval of the staff recommendation that **Gilbert Unified** be awarded \$44,720 in Building Renewal Grant funding for the architectural services and construction for the reseal of the exterior of Pioneer Elementary School. This includes \$5,000 in contingency that will only be used with SFB staff approval.
5. Board approval of the staff recommendation that **Mesa Unified** be awarded \$34,275 in Building Renewal Grant funding for roof replacement on the Kiln Building 1031 at Mesa High School. This includes \$5,000 in contingency that will only be used with SFB staff approval. The district is contributing \$25,000 to cover the cost of the structural replacement to accept the new roof.
6. Board approval of the staff recommendation that **Tucson Unified** be awarded \$6,400 in Building Renewal Grant funding for the replacement of the failed HVAC converter motors on Building 1001 at Catalina High Magnet School. This includes \$599 in contingency that will only be used with SFB staff approval.

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

Tom Rushin recused himself from the Board at this time. Vern Crow facilitated the meeting for the following agenda item.

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

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

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

Board approval of the staff recommendation that **Yuma Elementary** be awarded \$783 in Building Renewal Grant funding to replace the HVAC compressor for Building 1001 Room H at Roosevelt Elementary School.

Ward Simpson seconded. The motion passed with a voice vote of 6-0.

Tom Rushin rejoined the Board at this time.

- g. 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.

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

1. Board approval of the staff recommendation that **Mohave Valley Elementary** be awarded \$20,500 in Building Renewal Grant funding for the engineering and design to replace the sewer line serving Buildings 1004, 1005 and 1018 at Mohave Valley Elementary School. This includes \$4,000 in contingency that will only be used with SFB staff approval.
2. Board approval of the staff recommendation that **Pomerene Elementary** be awarded \$17,960 in Building Renewal Grant funding for the design of the repair and/or replacement of the roof and HVAC system on Building 1003 at Pomerene Elementary School.
3. Board approval of the staff recommendation that **Pomerene Elementary** be awarded \$14,887 in Building Renewal Grant funding for the investigation of the existing stucco system on Buildings 1001 and 1005 at Pomerene Elementary School.
4. Board approval of the staff recommendation that **Scottsdale Unified** be awarded \$8,000 in Building Renewal Grant funding for the architectural services and asbestos survey for the exterior reseal of Copper Ridge Middle School.
5. Board approval of the staff recommendation that **Show Low Unified** be awarded \$18,300 in Building Renewal Grant funding for the architectural services and asbestos survey for the replacement of the fire alarm system at Nikolaus Homestead Elementary School.

6. Board approval of the staff recommendation that **St. David Unified** be awarded \$5,950 in Building Renewal Grant funding for the design of the repair / replacement of the exterior doors of Buildings 1002, 1003, and 1014 at St. David High School.
7. Board approval of the staff recommendation that **St. David Unified** be awarded \$3,350 in Building Renewal Grant funding for the investigation of a plumbing failure in Buildings 1004 and 1007 at St. David Elementary School.

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

Vern Crow recused himself from the Board at this time.

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

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

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

Board approval of the staff recommendation that **Round Valley Unified** be awarded \$2,750 in Building Renewal Grant funding for a performance specification and design to replace the existing emergency lighting system at Round Valley Primary School.

Edward Boot seconded. The motion passed with a voice vote of 6-0.

Vern Crow rejoined the Board at this time.

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

Dean Gray reviewed the balance of the Emergency Deficiencies Correction fund. If today's recommendations are approved by the Board the remaining balance would be \$558,921. Staff continues working to close projects and make recognized savings and unspent monies available for new projects.

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

Traci Sawyer-Sinkbeil 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 \$3,950 in Emergency Deficiencies Correction funding for investigation of the roof structure on Building 1004 at Villa Oasis Interscholastic Center for Education.

Edward Boot seconded. The motion passed with a voice vote of 7-0.

- VII. Future Agenda Items
No requests for future agenda items were received.
- VIII. Public Comment
No requests for public comment were received.
- IX. Adjournment
There being no further business, Tom Rushin adjourned the meeting at approximately 11:35 A.M.

Approved by the School Facilities Board on _____, 2014

Chair

<p style="text-align: center;">STATE OF ARIZONA SCHOOL FACILITIES BOARD</p>
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Meeting Date: September 3, 2014

Agenda Item IV.

Subject: IV. Director's Report (action of the Board may be requested)
a. Land Donation Suitable as a School Site – Litchfield
Elementary

Pursuant to A.R.S. §43-1089.02(I)(1) Credit for Donation of School Site, the SFB shall review the proposed donation and issue a written determination that the land is suitable as a school site prior to the school district accepting the donation pursuant to that section.

Litchfield Elementary is considering acceptance of a 7.5 acre land donation located at 20895 W. Hamilton, Buckeye, Arizona (located with the Verrado development).

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

Attachments: Yes [X] No[]



**STATE OF ARIZONA
SCHOOL FACILITIES BOARD**

**Governor of Arizona
Janice K. Brewer**

**Executive Director
Dean T. Gray**

August 13, 2014

Dr. Julianne Lein, Superintendent
Litchfield Elementary School District
272 E. Sagebrush St.
Litchfield Park, AZ 85340

Dear Dr. Lein,

Pursuant to the Credit for Donation of School Site, Arizona Revised Statutes ("A.R.S.") § 43-1089.02 (I)(1) ("Land Donation Statute"), I visited the site in Verrado at 20895 W. Hamilton, Buckeye, Arizona ("Donated Site") for the Litchfield Elementary School District ("District") on Thursday, August 7, 2014.

The Land Donation Statute requires that the School Facilities Board ("SFB") review the proposed donation and issue a written determination that the land is suitable as a school site prior to the school district accepting the donation pursuant to that section. However, if the SFB determines that the expenses that would be necessary to make the property suitable as a school site would exceed the value of the proposed donation, the SFB must issue a determination that the real property is not suitable as a school site. Additionally, A.R.S. § 15-2002 (A)(5) requires the SFB to certify that plans for a new school facility meet the building adequacy standards prescribed in A.R.S. § 15-2011.

At the time of my site visit, it appeared the Donated Site has had some work already done in preparation for construction. The Donated Site sloped slightly to the south with a large water retention pond on the east side of the site.

While the Donated Site is only 7.5 acres (the average norm for the proposed new school of this size is 10 – 14 acres), it is my understanding that the District will sign an agreement with the Verrado Assembly for joint use of a park that adjoins the Donated Site. The SFB will need a copy of that agreement before design begins. If this agreement is put in place it appears that the Donated Site will meet all of the SFB's statutory requirements for a new school site (other than size as addressed above). The District will still be required to complete due diligence with regard to environmental site assessment and cultural resource survey including soils testing for herbicides and pesticides, etc. However, this letter can serve as the written determination that the Donated Site is suitable as a school site pursuant to the Land Donation Statute.

As the design of the new school moves forward, the SFB will be happy to help in any way we can, including general plan review and code checking. When your design reaches the Design Development/Construction Documents stage, the SFB will need to review the plans for compliance with the Minimum School Facility Guidelines as required in A.R.S. § 15-2002(A)(5) and set out in the Arizona Administrative Code R7-6-101 through 601.

Again, if there is any help we can provide, do not hesitate to call.

Sincerely,

A handwritten signature in blue ink, appearing to read 'DTG', is written over the printed name 'Dean T. Gray'.

Dean T. Gray
Executive Director

STATE OF ARIZONA
SCHOOL FACILITIES BOARD

Meeting Date: September 3, 2014

Agenda Item V.

Subject: V. New School Construction

Consideration and possible vote to accept, reject or modify the New Construction Projects Review, Bids, and Bid Packages including projects from:

Thatcher Unified

Background

The request is for the approval to begin construction of a K-6 elementary school (CM at Risk project 050204000-9999-001N) upon receipt of necessary documents, in the amount of \$2,260,580, which includes \$1,330,152 SFB formula funding and \$930,428 District funding.

Staff Recommendation

Board approval of the district's request to begin construction of a K-6 elementary school (CM at Risk project 050204000-9999-001N) upon receipt of necessary documents, in the amount of \$2,260,580, which includes \$1,330,152 SFB formula funding and \$930,428 District funding.

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

Board approval of **Thatcher Unified's** request to proceed with CM@Risk project 050204000-9999-001N, contingent upon staff receipt of necessary documents, in the amount of \$2,260,580, which includes \$1,330,152 SFB formula funding and \$930,428 District funding.

Attachments: Yes [X] No []

ADM Review Thatcher Unified

	K-6 ADM	% Growth over Previous Year	Methodology
FY 14	904	5.2%	Actual per ADE.
FY 15	947	4.7%	Based on the school district's historical 100-day ADM data from FY 2009 to FY 2014 provided by ADE as well as anticipated residential development.
FY 16	984	3.9%	
FY 17	1,008	2.4%	
FY 18	1,021	1.3%	
FY 19	1,010	-1.1%	
FY 20	1,011	0.1%	
FY 21	1,030	1.9%	
FY 22	1,046	1.5%	
FY 23	1,074	2.7%	

Existing K-6 Capacity: 750
5-year average: 6.7%

SCHOOL FACILITIES BOARD**NEW CONSTRUCTION****SFB NCSFD-511-99****Detail of Additional Cost and Contingency
X New School Facilities Fund**

District: Thatcher Unified
Project Number: 05020400-9999-001N
Architect of Record: NTD Architecture
CM @ Risk: Concord General Contracting
Board Approval Date: 4/6/2011

Graham Co.

Grade Configuration: K-6
Student Capacity: 116
SFB-approved SF: 9,270
District-added SF: 2,438
Total SF: 11,708

	Staff Rec. or Approved
Base Cost: (GMP - Guaranteed Maximum Price by CM @ Risk)	\$ 1,907,300
Contingency (3.0% of GMP)	\$ 57,219
Architecture / Engineering (A&E) Fees @ 8.39% of Base Cost	\$ 160,000
CM pre-construction service, @ 0.00% of Base Cost	\$ -
Project Management service, @ 0.00% of Base Cost	\$ -
Furniture, Fixtures & Equipment (FF&E) @ 8% x CPSF x 11,708 sf	\$ 107,519
Computers (116 student capacity / 8 = 15 @ \$1,000)	\$ 15,000
Kitchen @ 2.4% x CPSF x 57,322 sf, in GMP	\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.	\$ 3,687
Testing & Inspection (structural and geo-tech)	\$ 9,855
Impact Fees	\$ -
Total Additional Cost:	\$ 296,061
Total Project Cost:	\$ 2,260,580
District Share (Local Funds):	\$ 930,428
SFB Previously-Approved Amount:	\$ 1,330,152
SFB Additional Funding for Specific Site Requirements:	
Total SFB Funding:	\$ 1,330,152

Contingency shall only be requested and applied to unknown conditions.

Any difference between Total Project Cost and SFB Funding must be paid for by the district.

At the conclusion of construction all additional SFB funding amounts shall be subtracted from the remaining funds. If after the subtraction any funds remain, they can be used on this project for one year after substantial completion.

Additional funding for site conditions (when required).

**STATE OF ARIZONA
SCHOOL FACILITIES BOARD**

Meeting date: September 3, 2014

Agenda Item VI.a.

Subject: VI. 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 deficiency correction project award)**

Apache Junction Unified
Bullhead City Elementary (4 requests)
Colorado River Union (2 requests)
Lake Havasu Unified
Mesa Unified
Mohave Valley Elementary (3 requests)
Saddle Mountain Unified
Scottsdale Unified (2 requests)
St. David Unified

Background – Apache Junction Unified (Four Peaks Elementary – replace HVAC fan motor)

Apache Junction Unified has submitted a Building Renewal Grant request for replacement of a fan motor in the HVAC system for Classroom 403 in Building 1010 at Four Peaks Elementary School (project number 110243102-1010-002BRG).

Apache Junction Unified, located 35 miles east of downtown Phoenix, has eight schools. Four Peaks Elementary School is comprised of five buildings constructed in 2007, totaling 59,622 square feet. Building 1010 totals 11,024 square feet.

The cost of a new fan motor is \$441. District personnel will perform the labor to replace the motor.

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 – Apache Junction Unified (Four peaks Elementary – replace HVAC fan motor)

Staff recommends that Apache Junction Unified be awarded \$441 in Building Renewal Grant funding to replace the HVAC fan motor in Room 403 in Building 1010 at Four Peaks Elementary School (project number 110243102-1010-002BRG).

Background – Bullhead City Elementary (Bullhead City JHS – replace fire hydrants)
Request 1 of 4

Bullhead City Elementary submitted a Building Renewal Grant request to replace two fire hydrants at Bullhead City Junior High School (project number 080415130-9999-005BRG).

Bullhead City Elementary, located 220 miles northwest of Phoenix along the Colorado River, consists of seven schools. Bullhead City Junior High School is comprised of five buildings constructed between 1972 and 1988, totaling 75,468 square feet.

The Bullhead City Fire Department has cited the school district for having two defective fire hydrants on campus grounds that failed fire code testing for not being operative and not providing fire protection for the school.

The district received a proposal for this specialized work to remove and replace the two fire hydrants in the amount of \$10,960.

Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Bullhead City Elementary (Bullhead City JHS – replace fire hydrants)

Staff recommends that Bullhead City Elementary be awarded \$14,500 in Building Renewal Grant funding for the replacement of two fire hydrants at Bullhead City Junior High School (project number 080415130-9999-005BRG). This includes \$3,540 in contingency that will only be used with SFB staff approval.

Background – Bullhead City Elementary (Diamondback ES – replace fire hydrant)
Request 2 of 4

Bullhead City Elementary has also submitted a Building Renewal Grant request to replace a fire hydrant at Diamondback Elementary School (project number 080415107-9999-006BRG).

Diamondback Elementary School consists of five buildings constructed in 1991, totaling 46,952 square feet.

The Bullhead City Fire Department has cited the school district for having one defective fire hydrant on campus grounds that failed fire code testing for not being operative and not providing fire protection to the school.

The district received a proposal for this specialized work to remove and replace one fire hydrant in the amount of \$5,480.

Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Bullhead City Elementary (Diamondback ES – defective fire hydrant)

Staff recommends that Bullhead City Elementary be awarded \$7,250 in Building Renewal Grant funding for the replacement of one fire hydrant at Diamondback Elementary School (project number 080415107-9999-006BRG). This includes \$1,770 in contingency that will only be used with SFB staff approval.

Background – Bullhead City Elementary (Diamondback ES – replace fire alarm panel CPU) Request 3 of 4

Bullhead City Elementary has submitted a Building Renewal Grant request to replace the failed CPU in the main fire alarm panel at Diamondback Elementary School (project number 080415107-9999-007BRG).

Bullhead City Elementary, located 220 miles northwest of Phoenix along the Colorado River, has seven schools. Diamondback Elementary School is comprised of five buildings constructed in 1991, totaling 46,952 square feet.

The school is presently under fire watch until the fire alarm panel can be repaired. The district received a proposal for replacement of the CPU in the amount of \$6,237.

Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Bullhead City Elementary (Diamondback ES – replace fire alarm panel CPU)

Staff recommends that Bullhead City Elementary be awarded \$7,737 in Building Renewal Grant funding to replace the failed CPU in the main fire alarm panel at Diamondback Elementary School (project number 080415107-9999-007BRG). This includes \$1,500 in contingency that will only be used with SFB staff approval.

Background – Bullhead City Elementary (Fox Creek JHS – repair fire alarm panel) Request 4 of 4

Bullhead City Elementary has submitted a Building Renewal Grant request to replace failed parts in the main fire alarm panel at Fox Creek Junior High School (project number 080415110-9999-008BRG).

Bullhead City Elementary, located 220 miles northwest of Phoenix along the Colorado River, consists of seven schools. Fox Creek Junior High School is comprised of five buildings constructed in 1998, totaling 63,387 square feet.

The district is presently under fire watch until the fire alarm panel can be repaired. The district received a proposal in the amount of \$7,673.

Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Bullhead City Elementary (Fox Creek JHS – repair fire alarm panel)

Staff recommends that Bullhead City Elementary be awarded \$7,673 in Building Renewal Grant funding to replace failed parts in the main fire alarm panel at Fox Creek Junior High School (project number 080415110-9999-008BRG).

Background – Colorado River Union (River Valley HS – replace HVAC unit) Request 1 of 2

Colorado River Union has submitted a Building Renewal Grant request to replace the 20-ton heat pump split system and fan coils serving the cafeteria Building 1002 at River Valley High School (project number 080502002-1002-014BRG).

Colorado River Union, located in Bullhead City, 220 miles northwest of Phoenix, has two high schools. River Valley High School is composed of eleven buildings constructed between 1992 and 2008 totaling 164,294 square feet. Building 1002 was constructed in 1992 totaling 14,115 square feet.

This unit is no longer operable nor serviceable due to constant repairs over its 23 year service lifetime. The district received a proposal of \$19,500 to replace the unit.

Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Colorado River Union (River Valley HS – replace HVAC unit)

Staff recommends that Colorado River Union be awarded \$24,000 in Building Renewal Grant funding to replace the 20-ton heat pump split system and fan coils serving the cafeteria Building 1002 at River Valley High School (project number 080502002-1002-014BRG). This includes \$2,000 for the structural analysis and \$2,500 in contingency that will only be used with SFB staff approval.

Background – Colorado River Union (River Valley HS – replace backflow preventer) Request 2 of 2

Colorado River Union has submitted a Building Renewal Grant request to replace the pressure reducing backflow prevention assembly at River Valley High School (project number 080502002-9999-015BRG).

Colorado River Union, located in Bullhead City, 220 miles northwest of Phoenix, has two high schools. River Valley High School is composed of eleven buildings constructed between 1992 and 2008, totaling 164,294 square feet.

The local water supply company has issued a letter requiring replacement of the valve due to a test failure and possible contamination of the school's water supply.

The district received a proposal for this urgent replacement in the amount of \$13,793.

Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Colorado River Union (River Valley HS – replace backflow preventer)
Staff recommends that Colorado River Union be awarded \$13,793 in Building Renewal Grant funding to replace the pressure reducing backflow prevention assembly at River Valley High School (project number 080502002-9999-015BRG).

Background – Lake Havasu Unified (Lake Havasu HS – repair fire alarm control panel)
Lake Havasu Unified has submitted a Building Renewal Grant request to replace two circuit panels in the main fire alarm control panel at Lake Havasu High School (project number 080201207-1007-007BRG).

Lake Havasu Unified, located 200 miles northwest of Phoenix along the Colorado River, consists of nine schools. Lake Havasu High School is comprised of ten buildings constructed between 1969 and 2003, totaling 272,074 square feet. Building 1007 was constructed in 1998 totaling 45,320 square feet.

At this time, the school is on fire watch until the two circuit panels can be replaced. The district received a proposal of \$2,729 for this work.

Criteria for Eligibility:

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation—Lake Havasu Unified (Lake Havasu HS – repair fire alarm control panel)

Staff recommends that Lake Havasu Unified be awarded \$5,000 in Building Renewal Grant funding to replace two circuit panels in the main fire alarm control panel at Lake Havasu High School (project number 080201207-1007-007BRG). This includes \$2,271 in contingency that will only be used with SFB staff approval.

Background – Mesa Unified (Holmes ES - replace compressor)

Mesa Unified has submitted a Building Renewal Grant request to replace a compressor in a 70-ton HVAC unit serving classrooms in Building 1015 at Holmes Elementary School (project number 070204107-1015-002BRG).

Mesa Unified has 90 schools. Holmes Elementary School is comprised of ten buildings constructed between 1963 and 2002, totaling 68,540 square feet. Building 1015 was constructed in 2002, totaling 9,932 square feet.

The district received a proposal for materials and installation in the amount of \$27,824 for the compressor and includes a factory review of the compressor to determine the cause of the failure. The district requests funding as follows: \$27,824 for the compressor and \$5,000 for additional Freon, for a total of \$32,824.

Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Mesa Unified (Holmes ES - replace compressor)

Staff recommends that Mesa Unified be awarded \$35,000 in Building Renewal Grant funding to replace the compressor in a 70-ton HVAC unit serving Building 1015 at Holmes Elementary School (project number 070204107-1015-002BRG). This includes \$2,176 in contingency that will only be used with SFB staff approval.

Background – Mohave Valley Elementary (Mohave Valley JHS – replace HVAC unit)
Request 1 of 3

Mohave Valley Elementary submitted a Building Renewal Grant request to replace a 7.5-ton package heat pump serving the library in Building 1001 at Mohave Valley Junior High School (project number 080416103-9999-016BRG).

Mohave Valley Elementary, located 235 miles northwest of Phoenix along the Colorado River and I-40, has four elementary schools. Mohave Valley Junior High School is comprised of three buildings constructed in 1998, totaling 55,292 square feet. Building 1001 serves as the administrative/library/classrooms and was constructed in 1998, totaling 30,962 square feet.

The district engineer had previously reported that this unit had past major repairs and was going to fail again. This unit is now inoperable and unable to be repaired. The district procured proposals, of which the lowest was \$12,083 for the replacement of the unit.

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 JHS – replace HVAC unit)

Staff recommends that Mohave Valley Elementary be awarded \$14,500 in Building Renewal Grant funding for the replacement of the 7.5-ton package heat pump serving the library in Building 1001 at Mohave Valley Junior High School (project number 080416103-9999-016BRG). This includes \$1,000 for the structural analysis and \$1,417 in contingency that will only be used with SFB staff approval.

Background – Mohave Valley Elementary (Mohave Valley JHS – replace HVAC units)
Request 2 of 3

Mohave Valley Elementary also submitted a Building Renewal Grant request to replace one 10-ton HVAC unit serving the kitchen and one 15-ton HVAC unit for the cafeteria area in Building 1002 at Mohave Valley Junior High School (project number 080416103-1002-017BRG).

Mohave Valley Junior High School consists of three buildings constructed in 1998, totaling 55,292 square feet. Building 1002 serves as the gymnasium, cafeteria and classroom and was constructed in 1998 totaling 22,995 square feet.

These units are non-operational. The district procured a proposal in the amount of \$29,187 for the replacement of the two units. Staff agrees with the need for 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 – Mohave Valley Elementary (Mohave Valley JHS – replace HVAC units)

Staff recommends that Mohave Valley Elementary be awarded \$34,000 in Building Renewal Grant funding to replace one 10-ton HVAC unit serving the kitchen and one 15-ton HVAC unit for the cafeteria area in Building 1002 at Mohave Valley Junior High School (project number 080416103-1002-017BRG). This includes \$1,500 for the structural analysis and \$3,313 in contingency that will only be used with SFB staff approval.

Background – Mohave Valley Elementary (Mohave Valley ES – repair SES) Request 3 of 3

Mohave Valley Elementary also submitted a Building Renewal Grant request for repairs to the SES (service entry section) electrical panel that failed at Mohave Valley Elementary School (project number 080416101-1001-019BRG).

Mohave Valley Elementary School is comprised of nineteen buildings constructed between 1964 and 1998, totaling 83,637 square feet. Building 1001 was constructed in 1984 totaling 11,550 square feet.

Due to the urgency of the request and the fire watch, the Executive award was \$18,000 based on the district's Building Renewal Grant application. Three quotes were received, of which the lowest proposal was \$7,823 to make the necessary repairs.

Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Mohave Valley Elementary (Mohave Valley ES – repair SES)

Staff recommends that Mohave Valley Elementary be awarded \$20,000 in Building Renewal Grant funding for repairs to the SES electrical panel at Mohave Elementary School (project number 080416101-1001-019BRG). This includes \$2,000 in contingency that will only be used with SFB staff approval.

Background – Saddle Mountain Unified (Tonopah Valley HS – replace HVAC compressor)

Saddle Mountain Unified has submitted a Building Renewal Grant request to replace a compressor in the 55-ton HVAC unit serving the auditorium Building 1009 at Tonopah Valley High School (project number 070390002-1009-003BRG).

Saddle Mountain Unified, located 55 miles west of Phoenix, consists of four schools. Tonopah Valley High School is composed of nine buildings constructed in 2006, totaling 144,571 square feet. Building 1009 was constructed in 2006 totaling 10,672 square feet.

The district received a low proposal in the amount of \$8,220 to replace the failed compressor.

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 – Saddle Mountain Unified (Tonopah Valley HS – replace HVAC compressor)

Staff recommends that Saddle Mountain Unified be awarded \$10,000 in Building Renewal Grant funding to replace a compressor in the 55-ton HVAC unit serving the auditorium Building 1009 at Tonopah Valley High School (project number 070390002-1009-003BRG). This includes \$1,780 in contingency that will only be used with SFB staff approval.

Background – Scottsdale Unified (Arcadia HS - replace variable frequency drive) Request 1 of 2

Scottsdale Unified has submitted a Building Renewal Grant request to replace a failed variable frequency drive on chiller pump No. 2 serving Arcadia High School (project number 070248292-9999-023BRG).

Scottsdale Unified has 33 schools. Arcadia High School is comprised of fourteen buildings constructed between 1959 and 2008, totaling 247,160 square feet.

The district received a proposal for materials and installation in the amount of \$5,859 for the variable frequency drive 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 – Scottsdale Unified (Arcadia HS - replace variable frequency drive)

Staff recommends that Scottsdale Unified be awarded \$6,200 in Building Renewal Grant funding to replace the chiller pump variable frequency drive at Arcadia High School (project number 070248292-9999-023BRG). This includes \$341 in contingency that will only be used with SFB staff approval.

Background – Scottsdale Unified (Pueblo ES - replace HVAC compressor) Request 2 of 2

Scottsdale Unified has submitted a Building Renewal Grant request to replace a compressor in a 70-ton HVAC unit on Building 1004 at Pueblo Elementary School (project number 070248120-1004-024BRG). This unit has two compressors; one has failed.

Scottsdale Unified has 33 schools. Pueblo Elementary School is comprised of nine buildings constructed between 1971 and 2002, totaling 76,261 square feet.

The district received a low proposal for materials and installation for the compressor replacement and to rebuild the other components of this ailing chiller in the amount of \$33,912. The manufacturer will also warranty the chiller for two years.

Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Scottsdale Unified (Pueblo ES - replace HVAC compressor)

Staff recommends that Scottsdale Unified be awarded \$35,000 in Building Renewal Grant funding to replace the compressor and rehab the chiller on Building 1004 at Pueblo Elementary School (project number 070248120-1004-024BRG). This includes \$1,088 in contingency that will only be used with SFB staff approval.

Background – St. David Unified (St. David HS – replace water source heat pump compressor)

St. David Unified has submitted a Building Renewal Grant request for replacement of a compressor for a water source heat pump in room 907 in Building 1011 at St. David High School (project number 020221202-1011-007BRG).

St. David Unified, located 170 miles southeast of Phoenix, consists of two schools. St. David High School is comprised of nine buildings constructed between 1936 and 200, totaling 56,514 square feet. Building 1011 was constructed in 2000, totaling 17,144 square feet.

The district requested proposals, the lowest of which was \$2,987.

Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – St. David Unified (St. David HS – replace water source heat pump compressor)

Staff recommends that St. David Unified be awarded \$3,500 in Building Renewal Grant funding to replace the compressor in the water source heat pump in room 907 in Building 1011 at St. David High School (project number 020221202-1011-007BRG). This includes \$513 in contingency that will only be used with SFB staff approval.

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

1. Board ratification that **Apache Junction Unified** be awarded \$441 in Building Renewal Grant funding to replace the HVAC fan motor in Room 403 in Building 1010 at Four Peaks Elementary School (project number 110243102-1010-002BRG).
2. Board ratification that **Bullhead City Elementary** be awarded \$14,500 in Building Renewal Grant funding for the replacement of two fire hydrants at Bullhead City Junior High School (project number 080415130-9999-005BRG). This includes \$3,540 in contingency that will only be used with SFB staff approval.
3. Board ratification that **Bullhead City Elementary** be awarded \$7,250 in Building Renewal Grant funding for the replacement of one fire hydrant at Diamondback Elementary School (project number 080415107-9999-006BRG). This includes \$1,770 in contingency that will only be used with SFB staff approval.
4. Board ratification that **Bullhead City Elementary** be awarded \$7,737 in Building Renewal Grant funding to replace the failed CPU in the main fire alarm panel at Diamondback Elementary School (project number 080415107-9999-007BRG). This includes \$1,500 in contingency that will only be used with SFB staff approval.

5. Board ratification that **Bullhead City Elementary** be awarded \$7,673 in Building Renewal Grant funding to replace failed parts in the main fire alarm panel at Fox Creek Junior High School (project number 080415110-9999-008BRG).
6. Board ratification that **Colorado River Union** be awarded \$24,000 in Building Renewal Grant funding to replace the 20-ton heat pump split system and fan coils serving the cafeteria Building 1002 at River Valley High School (project number 080502002-1002-014BRG). This includes \$2,000 for the structural analysis and \$2,500 in contingency that will only be used with SFB staff approval.
7. Board ratification that **Colorado River Union** be awarded \$13,793 in Building Renewal Grant funding to replace the pressure reducing backflow prevention assembly at River Valley High School (project number 080502002-9999-015BRG).
8. Board ratification that **Lake Havasu Unified** be awarded \$5,000 in Building Renewal Grant funding to replace two circuit panels in the main fire alarm control panel at Lake Havasu High School (project number 080201207-1007-007BRG). This includes \$2,271 in contingency that will only be used with SFB staff approval.
9. Board ratification that **Mesa Unified** be awarded \$35,000 in Building Renewal Grant funding to replace the compressor in a 70-ton HVAC unit serving Building 1015 at Holmes Elementary School (project number 070204107-1015-002BRG). This includes \$2,176 in contingency that will only be used with SFB staff approval.
10. Board ratification that **Mohave Valley Elementary** be awarded \$14,500 in Building Renewal Grant funding for the replacement of the 7.5-ton package heat pump serving the library in Building 1001 at Mohave Valley Junior High School (project number 080416103-9999-016BRG). This includes \$1,000 for the structural analysis and \$1,417 in contingency that will only be used with SFB staff approval.
11. Board ratification that **Mohave Valley Elementary** be awarded \$34,000 in Building Renewal Grant funding to replace one 10-ton HVAC unit serving the kitchen and one 15-ton HVAC unit for the cafeteria area in Building 1002 at Mohave Valley Junior High School (project number 080416103-1002-017BRG). This includes \$1,500 for the structural analysis and \$3,313 in contingency that will only be used with SFB staff approval.
12. Board ratification that **Mohave Valley Elementary** be awarded \$20,000 in Building Renewal Grant funding for repairs to the SES electrical panel at Mohave Elementary School (project number 080416101-1001-019BRG). This includes \$2,000 in contingency that will only be used with SFB staff approval.
13. Board ratification that **Saddle Mountain Unified** be awarded \$10,000 in Building Renewal Grant funding to replace a compressor in the 55-ton HVAC unit serving the auditorium Building 1009 at Tonopah Valley High School (project number 070390002-1009-003BRG). This includes \$1,780 in contingency that will only be used with SFB staff approval.
14. Board ratification that **Scottsdale Unified** be awarded \$6,200 in Building Renewal Grant funding to replace the chiller pump variable frequency drive at Arcadia High School

(project number 070248292-9999-023BRG). This includes \$341 in contingency that will only be used with SFB staff approval.

15. Board ratification that **Scottsdale Unified** be awarded \$35,000 in Building Renewal Grant funding to replace the compressor and rehab the chiller on Building 1004 at Pueblo Elementary School (project number 070248120-1004-024BRG). This includes \$1,088 in contingency that will only be used with SFB staff approval.
16. Board ratification that **St. David Unified** be awarded \$3,500 in Building Renewal Grant funding to replace the compressor in the water source heat pump in room 907 in Building 1011 at St. David High School (project number 020221202-1011-007BRG). This includes \$513 in contingency that will only be used with SFB staff approval.

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

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

District: **Apache Junction Unified**
BRG Project Number: 110243102-1010-002BRG Maricopa County
Project Description: **Replace HVAC fan motor in classroom 403**
Vendor: Russell Sigler, Inc.
Contractor: TBD
Executive Authority: 8/20/2014
Board Ratification: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 441
Contingency ①		\$ -
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 441
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 441
Total Project Cost:		\$ 441

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 8/20/2014 2:52:15 PM

Application ID: 1485

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: Apache Junction Unified District

Superintendent: Dr. Chad Wilson

Contact Person: Larry Hill

Contact Phone Number: 602-228-4884

Contact Email: lhill@goaj.org

School Site: Four Peaks Elementary School

Buildings: 1010 Bldg 400

Application Title: Maintenance / Operations Supervisor

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.

Ac blower motor for classroom 403 at Four Peaks Elementary. The motor will cost \$441.00 and the District will install.

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

Superintendent Printed Name

Superintendent Signature

Date

Ship To

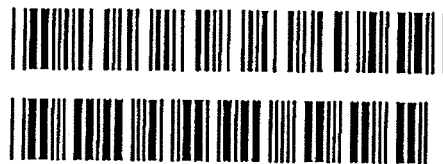
APACHE JUNCTION UNIFIED SD
ACCOUNTS PAYABLE
1575 W Southern Ave Ste 1
Apache Junction, AZ 851207456

Russell Sigler, Inc.
dba

Sigler

Order #: SODCP14027817
Ship Via: Customer Pick Up
Shipping Terms: Customer Pick-Up
Print Date: 20-Aug-2014
Delivery Date: 20-Aug-2014
Customer PO: 140150

Shipment #: SHPMSA14015056
Shipping Whse: MSA
Order Date: 20-Aug-2014
Customer: 03183000
Creator: Bob Willson
Time: 1:48 pm
* Original *



Item	Ordered	Shipped	Part Number	Bin	U/M	Unit Price	Extension
001	1	1	HD56FE652 MOTOR	R03	EA	400.89	400.89

Filled by:	Date
<i>[Signature]</i>	8-20-14
Received by: (Printed Name)	Date
<i>[Signature]</i>	8-20-14
Received by: (Signature)	Date
<i>[Signature]</i>	

Credit Terms: Net - 10th

Tax Code: TAX
Salesman:

Customer

Subtotal:	400.89
Tax:	31.27
Freight:	0.00
Total:	432.16

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

District: **Bullhead City Elementary**
BRG Project Number: **080415130-9999-005BRG**
Project Description: **Replace fire hydrants**
Architect of Record: **n/a**
Contractor: **Redmond Construction, LLC 928-768-9518**

Mohave County

Executive Authority: **8/5/2014**
Board Ratification: **9/3/2014**

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost		\$ 10,960
Contingency ①		\$ 3,540
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 14,500
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 14,500
Total Project Cost:		\$ 14,500

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 7/31/2014 3:29:40 PM

Application ID: 1408

Resubmittal Date:

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

District Name: Bullhead City Elementary District
Superintendent: Riley Frei
Contact Person: John Wawrzynek
Contact Phone Number: 9284447529
Contact Email: jwawrzynek@bullheadschoools.com
School Site: Bullhead City Jr High School
Buildings: 9999 School Wide

Application Title: Fire Hydrant Replacement X 2

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 Dept has sent us a violation notice requesting two defective fire hydrants replaced. the are not giving us any time they would like it replaced ASAP. See attached notice.

Project Category: Plumbing

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

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

N/A

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139

Superintendent Printed Name

Superintendent Signature

Date

7/31/14

PROPOSAL & CONTRACT

Redmond Construction LLC
7146 Calle Del Media
Mohave Valley, AZ 86440
Phone (928) 768-9518
Fax (928) 768-9059
AZ ROC#198045
NV #0075116

Date: 8/1/2014
Proposal Submitted To: Bullhead City School Dist./ John
Phone: 928-444-7529
Fax:
Job Address: 1062 Hancock Rd.
City: Bullhead City

BULLHEAD CITY JNR HIGH

- Material cost for 2 fire hydrants. Typical removal and replacement. Price is an approximation. Additional charges will be incurred if, at time of replacement, installation is found not to be typical. \$3,500.00 per hydrant
- Labor and equipment to remove and replace 2 fire hydrants. Price is an approximation. Additional charges will be incurred if, at time of replacement, installation is found not to be typical. \$1,980.00 per hydrant

We propose hereby to furnish material and labor complete in accordance with above specifications, for the sum of: \$10,960.00

Deposit of \$2,192.00 (20%) due before start of job. With balance of \$8,768.00 due upon completion.

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from the 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 will carry fire, tornado and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance. Permit fees are not included. A preliminary lien will be filed on all jobs.

Authorized Signature:

Note: This proposal may be withdrawn by us if not accepted within 30 days.

ACCEPTANCE OF PROPOSAL- The above 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.

Signature:

Date of Acceptance:



Inspection Report

Water Lines/Fire Hydrant

Bullhead City Fire Dept
1230 Highway 95
Bullhead City, AZ 86429
Phone: 928-754-2001
Fax: 928-754-2006
Email: clstephenson@bullheadfire.org

Activity Date: 7/30/2014 3:37:42PM
Activity Number: *jone-14-0300
Activity Cause: Complaint
Inspector Name: John Jones
Inspector Phone: 928-727-7083

Party:

Gov/School - Bullhead City Junior High
(*1a* Gov-School - Bullhead City Junior High)
1062 Hancock Road
Bullhead City, AZ 86442
928-758-3921

Occupancy Type: *Educational Group E
Property Use: High school/junior high school/n
Total Violation: 1
Corrected Violation: 0
Hours:

Imported Fields

Fire Alarm present

Violation Not Cited Above

1 Ref. Number: IFC (2006) 508.5.2 Inspection, testing and maintenance.

Fire hydrant systems shall be subject to periodic tests as required by the fire code official. Fire hydrant systems shall be maintained in an operative condition at all times and shall be repaired where defective. Additions, repairs, alterations and servicing shall comply with approved standards.

Comment: Fire hydrants on East side of the school #'s 1-214, 1-277 are currently not providing fire protection for the school because they are in need of repair. These hydrants are on school property and are the responsibility of the district to schedule and repair the hydrants ASAP.

Pre-existing Violation Not Cited Above

No Pre-existing Outstanding Violation

Comments:

If you need further help in this matter contact Hydrant Maint, Kent Rambo 928-754-2001 ext.4244

Re-Inspection to be performed on or before: August 11, 2014 12:00 am

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency

☒ Building Renewal Grant FundDistrict: **Bullhead City Elementary**BRG Project Number: **080415107-9999-006BRG**

Mohave County

Project Description: **Replace fire hydrant**Architect of Record: **n/a**Contractor: **Redmond Construction, LLC 928-768-9518**Executive Authority: **8/5/2014**Board Ratification: **9/3/2014**

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost		\$ 5,480
Contingency ①		\$ 1,770
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 7,250
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 7,250
Total Project Cost:		\$ 7,250

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 7/31/2014 3:31:30 PM

Application ID: 1409

Resubmittal Date:

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

District Name: Bullhead City Elementary District
Superintendent: Riley Frei
Contact Person: John Wawrzynek
Contact Phone Number: 9284447529
Contact Email: jwawrzynek@bullheadschoools.com
School Site: Diamondback Elementary School
Buildings: 9999 School Wide

Application Title: Fire Hydrant 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 Fire Dept has sent us a violation notice requesting one defective fire hydrant replaced. they are not giving us any time they would like it replaced ASAP. See attached notice.

Project Category: Plumbing

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

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

N/A

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139

Superintendent Printed Name

Superintendent Signature

Date

7/31/14

PROPOSAL & CONTRACT

Redmond Construction LLC
7146 Calle Del Media
Mohave Valley, AZ 86440
Phone (928) 768-9518
Fax (928) 768-9059
AZ ROC#198045
NV #0075116

Date: 8/1/2014
Proposal Submitted To: Bullhead City School Dist./ John
Phone: 928-444-7529 *DIAMOND BUEK*
Fax:
Job Address: 2550 Tesota Way
City: Bullhead City

- Material cost for 1 fire hydrant. Typical removal and replacement. Price is an approximation. Additional charges will be incurred if, at time of replacement, installation is found not to be typical. \$3,500.00 per hydrant
- Labor and equipment to remove and replace 1 fire hydrant. Price is an approximation. Additional charges will be incurred if, at time of replacement, installation is found not to be typical. \$1,980.00 per hydrant

We propose hereby to furnish material and labor complete in accordance with above specifications, for the sum of \$5,480.00

Deposit of \$1,096.00 (20%) due before start of job. With balance of \$4,384.00 due upon completion.

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from the 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 will carry fire, tornado and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance. Permit fees are not included. A preliminary lien will be filed on all jobs.

Authorized Signature:

Note: This proposal may be withdrawn by us if not accepted within 30 days.

ACCEPTANCE OF PROPOSAL- The above 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.

Signature:

Date of Acceptance:



Inspection Report

Water Lines/Fire Hydrant

Bullhead City Fire Dept
1230 Highway 95
Bullhead City, AZ 86429
Phone: 928-754-2001
Fax: 928-754-2006
Email: clstephenson@bullheadfire.org

Activity Date: 7/30/2014 3:56:20PM
Activity Number: *Jone-14-0301
Activity Cause: Complaint
Inspector Name: John Jones
Inspector Phone: 928-727-7083

Party:

Gov/School - Diamondback Elementary
(*1a* Gov-School - Diamondback Elementary)
2550 Tesota Way
Bullhead City, AZ 86442
928-758-6858

Occupancy Type: *Educational Group E
Property Use: Elementary school, including kin
Total Violation: 1
Corrected Violation: 0
Hours:

Imported Fields

Fire Sprinkler	present
Fire Alarm	Present
5 Yr Sprinkler	overdue

Violation Not Cited Above

1 Ref. Number: IFC (2006) 508.5.2 Inspection, testing and maintenance.

Fire hydrant systems shall be subject to periodic tests as required by the fire code official. Fire hydrant systems shall be maintained in an operative condition at all times and shall be repaired where defective. Additions, repairs, alterations and servicing shall comply with approved standards.

Comment: Fire hydrant #'s 1-378 is currently not providing fire protection for the school because they are in need of repair. These hydrants are on school property and are the responsibility of the district to schedule and repair the hydrants ASAP.

Pre-existing Violation Not Cited Above

No Pre-existing Outstanding Violation

Comments:

If you need further assistance with this contact Hydrant Maint., Kent Rambo 928-754-2001 ext. 4244
Re-Inspection to be performed on or before: July 30, 2014 12:00 am

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

District: **Bullhead City Elementary**
BRG Project Number: **080415107-9999-007BRG**
Project Description: **Replace fire alarm panel CPU**
Architect of Record: **n/a**
Contractor: **Sun Devil Fire Equipment (623-245-0636)**

Mohave County

Executive Authority: **8/26/2014**
Board Ratification: **9/3/2014**

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost		\$ 6,237
Contingency ①		\$ 1,500
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 7,737
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 7,737
Total Project Cost:		\$ 7,737

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 8/24/2014 3:36:36 PM

Application ID: 1492

Resubmittal Date:

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

District Name: Bullhead City Elementary District
Superintendent: Riley Frei
Contact Person: John Wawrzynek
Contact Phone Number: 9284447529
Contact Email: jwawrzynek@bullheadschoools.com
School Site: Diamondback Elementary School
Buildings: 9999 School Wide

Application Title: Failed CPU on 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.

Fire alarm failed during recent testing the main CPU has failed panel non-operational we had to react fast on this. the quote is for CPU replacement to bring system up (this has been completed} additional service is needed to correct problems and bring system back to a normal state.

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

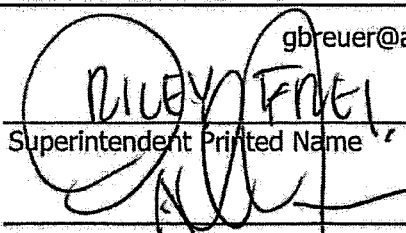
Please outline any associated insurance coverage.

N/A

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139


Superintendent Printed Name

Superintendent Signature

8/25/14
Date



Sun Devil Fire Equipment, Inc.

Phoenix • Prescott • Flagstaff • Tucson
623-245-0636 • 928-775-4455 • 928-779-9100 • 520-792-9911

Corporate office: 2929 W. Clarendon Ave, Phoenix, AZ 85017

Phone: 623-245-0636 or 800-536-3845 • Fax: 602-495-9291 or 800-495-9291

Website: www.sundevilfire.com • Email: service@sundevilfire.com

PROPOSAL

8/15/2014

COMPANY: BULLHEAD CITY ELEM. SCHOOL DIST.
1004 HANCOCK RD.
BULLHEAD CITY, AZ 86442

PROJECT: DIAMONDBACK ELEM.
2550 TESOTA WAY
BULLHEAD CITY, AZ 86442

PHONE: (928) 758-6858

FAX: (928) 758-5202

PHONE: (928) 758-6858

FAX: (928) 758-5202

ATTENTION: JOHN

LET OUR #1 TEAM PROTECT YOUR #1 TEAM

THE FOLLOWING PROPOSAL IS TO MAKE NECESSARY DIAGNOSTICS AND/OR REPAIRS THAT WERE FOUND DURING OUR MOST RECENT INSPECTION. REPAIRS ARE AS FOLLOWS:

ESTIMATED LABOR TO TROUBLESHOOT AND REPAIR

REMOVE & REPLACE (1) INTERNALLY FAULTED EST CPU

\$1,260.00

ESTIMATED PARTS AND MATERIALS

1 - REFURBISHED EST-QS1-CPU-1 MOTHERBOARD

(NON-STOCK/NON-RETURNABLE)

1 - 120 VAC SURGE SUPPRESSOR

\$3,057.68

ESTIMATED SUBTOTAL \$4,317.68

ESTIMATED TAX \$ 240.03

ESTIMATED TOTAL \$4,557.71

ABOVE PRICING BASED ON RETREIVABLE SYSTEM PROGRAMMING

ADDITIONAL PARTS AND/OR LABOR TO BE QUOTED

ABOVE PRICING BASED ON USING EXISTING WIRING AND DEVICES

SUN DEVIL FIRE EQUIPMENT INC. WILL NOT BE RESPONSIBLE FOR ANY AND ALL PRE-EXISTING CONDITIONS

PANEL REPLACEMENT MAY REVEAL PRE-EXISTING CONDITIONS NOT DETECTABLE DUE TO EXISTING NON-OPERATIONAL FIRE ALARM PANEL

THE ABOVE PRICE DOES NOT INCLUDE ANY A/C ELECTRIC CONNECTIONS.

THIS PRICE DOES NOT INCLUDE ADDITIONAL PLANS, PERMITS AND/OR REQUIREMENTS BY AHJ.

DUE TO UNFORESEEN COMPLICATIONS THAT MAY ARISE DURING INSTALLATION, ESTIMATED LABOR MAY BE SOMEWHAT HIGHER THAN THE ABOVE PROPOSAL.

PLEASE NOTE: SUN DEVIL FIRE EQUIPMENT WILL NOT BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING GROUNDS, CEILING AND/OR WALLS THAT MAY BE DAMAGED DURING INSTALLATION OR REPAIRS.

PLEASE NOTE: THE ABOVE PRICING IS BASED ON REGULAR HOURS MONDAY THROUGH FRIDAY, 7:00

AM TO 5:00 PM. AFTER HOURS, WEEKENDS OR HOLIDAYS WILL BE AN ADDITIONAL CHARGE.

THE ABOVE PRICE DOES NOT INCLUDE ANY ADDITIONAL PARTS OR MATERIALS THAT MAY BE REQUIRED TO BRING FIRE PROTECTION EQUIPMENT UP TO CODE.

Page 1 of 1

Let our #1 team protect your #1 team!

ROC #: L-16-091362 • L-67-090913 • L-05-095653

Authorized Signature

Note: This proposal may be withdrawn by us if not accepted within

days.

All proposed work/price is contingent upon approval of authority having jurisdiction. We Propose hereby to furnish material and labor — complete in accordance with above specifications.

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.

Date of Acceptance

8/15/14

REV. 6/2006

Signature



Sun Devil Fire Equipment, Inc.

Phoenix : Prescott : Flagstaff : Tucson
623-245-0636 : 928-775-4455 : 928-779-9100 : 520-792-9911

PROPOSAL

Corporate office: 2929 W. Clarendon Ave, Phoenix, AZ 85017

Phone: 623-245-0636 or 800-536-3845 • Fax: 602-495-9291 or 800-495-9291

Website: www.sundevilfire.com • Email: service@sundevilfire.com

8/25/2014

COMPANY: BULLHEAD CITY ELEM. SCHOOL DIST.
1004 HANCOCK RD.
BULLHEAD CITY, AZ 86442

PROJECT: DIAMONDBACK ELEM.
2550 TESOTA WAY
BULLHEAD CITY, AZ 86442

PHONE: (928) 758-6858

FAX:

PHONE: (928) 758-6858

FAX:

ATTENTION: JOHN

LET OUR #1 TEAM PROTECT YOUR #1 TEAM

THE FOLLOWING PROPOSAL IS TO MAKE NECESSARY DIAGNOSTICS AND/OR REPAIRS THAT WERE FOUND DURING OUR MOST RECENT INSPECTION. REPAIRS ARE AS FOLLOWS:

ESTIMATED LABOR TO TROUBLESHOOT AND REPAIR

REMOVE & REPLACE (1) NON-ADDR. EST PULL STATION WITH ADDR MODEL

MAP SYSTEM PROGRAMMING

INSTALL INTO SYSTEM PROGRAMMING

TEST & VERIFY OPERATION

\$1,360.00

ESTIMATED PARTS AND MATERIALS

1 - EST SIGA-270 PROPRIETARY MANUAL PULL STATION

\$ 294.93

ESTIMATED SUBTOTAL

\$1,654.93

ESTIMATED TAX

\$ 23.15

ESTIMATED TOTAL

\$1,678.08

ALLOW 7 TO 10 DAYS FREIGHT

ADDITIONAL PARTS AND/OR LABOR TO BE QUOTED

SUN DEVIL FIRE EQUIPMENT INC. WILL NOT BE RESPONSIBLE FOR ANY AND ALL PRE-EXISTING CONDITIONS

THE ABOVE PRICE DOES NOT INCLUDE ANY A/C ELECTRIC CONNECTIONS.

THIS PRICE DOES NOT INCLUDE ADDITIONAL PLANS, PERMITS AND/OR REQUIREMENTS BY AHJ.

DUE TO UNFORESEEN COMPLICATIONS THAT MAY ARISE DURING INSTALLATION, ESTIMATED LABOR MAY BE SOMEWHAT HIGHER THAN THE ABOVE PROPOSAL.

PLEASE NOTE: SUN DEVIL FIRE EQUIPMENT WILL NOT BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING GROUNDS, CEILING AND/OR WALLS THAT MAY BE DAMAGED DURING INSTALLATION OR REPAIRS.

PLEASE NOTE: THE ABOVE PRICING IS BASED ON REGULAR HOURS MONDAY THROUGH FRIDAY, 7:00 AM TO 5:00 PM. AFTER HOURS, WEEKENDS OR HOLIDAYS WILL BE AN ADDITIONAL CHARGE.

THE ABOVE PRICE DOES NOT INCLUDE ANY ADDITIONAL PARTS OR MATERIALS THAT MAY BE REQUIRED TO BRING FIRE PROTECTION EQUIPMENT UP TO CODE.

Page 1 of 1

Let our #1 team protect your #1 team!

ROC #: L-16-091362 • L-67-090913 • L-05-095653

Authorized Signature

Note: This proposal may be withdrawn by us if not accepted within

days.

All proposed work/price is contingent upon approval of authority having jurisdiction. We Propose hereby to furnish material and labor — complete in accordance with above specifications.

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.

Date of Acceptance

REV. 8/2008

Signature

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund**District:** **Bullhead City Elementary****BRG Project Number:** 080415110-9999-008BRG

Mohave County

Project Description: Repair fire alarm panel**Architect of Record:** n/a**Contractor:** SimplexGrinnell (702-739-1921)**Executive Authority:** 8/26/2014**Board Ratification:** 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost		\$ 3,673
Contingency ①		\$ 4,000
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 7,673
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 7,673
Total Project Cost:		\$ 7,673

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: 8/24/2014 3:19:13 PM

Application ID: 1491

Resubmittal Date:

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

District Name: Bullhead City Elementary District
Superintendent: Riley Frei
Contact Person: John Wawrzynek
Contact Phone Number: 9284447529
Contact Email: jwawrzynek@bullheadschoools.com
School Site: Fox Creek Junior High School
Buildings: 9999 School Wide

Application Title: Fire alarm has failed non operational

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 a recent test of the Fire Alarm it was found non operational. main circuit board has failed. This system is a simplex Grinnell. Local service companies would not service the system. We are on fire watch. This quote is for board replacement to bring the system up and additional troubleshooting is required to locate system faults.

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

8/25/14

8/24/2014 3:19:12 PM

1

Application ID: 1491

SimplexGrinnell

BE SAFE.

SimplexGrinnell LP
1545 Pama Lane
Las Vegas, NV 89119
Phone: (702) 739-1921
Fax: (702) 739-8466
www.simplexgrinnell.com
License #: C41-0053672
C2-0053679

PROPOSAL AND SERVICE AGREEMENT

SimplexGrinnell Contract # Service / 30230248		Salesperson: Roger Emmons	Date: August 21, 2014
Customer: Fox Creek Junior High 3101 Desert Sky Drive Bullhead City, AZ 86442		Job Location: Same	
Contact: John Wayrzynek Phone: 928-444-7529 Fax: Email: jwawrzynek@bullheadschoools.com		Customer P.O. #	

SimplexGrinnell ("Company"), for and in consideration of the prices herein named, proposes to furnish the work, and/or materials hereinafter described, subject to the terms and conditions of this Agreement.

Re: Fire Life Safety Inspection Deficiencies Service Proposal.

SCOPE OF WORK: SimplexGrinnell will replace failed UPC Slave Assembly in FACP and provide additional troubleshooting to determine cause of failure. After troubleshoot, any additional parts or additional time required will be quoted separately, depending on technicians discovery.

Bid Proposal

Quote Amount: \$ 3448.00 (Three Thousand Four Hundred Forty-Eight dollars and No cents, NOT including any applicable taxes).

Per your request, SimplexGrinnell is providing the following fixed price to complete the scope of work as listed above. If it is determined that additional parts/labor are needed, a new proposal will be sent to the customer. This proposal includes (12) hours of labor/travel. This deficiency was found during an inspection on 8-21-14. Our prices are based on normal working hours Monday through Friday and one mobilization to site. We have not included protection of personal property, it shall be the owner's responsibility to remove or protect items to prevent them from being damaged. SimplexGrinnell appreciates the opportunity to service your facility's fire protection needs.

STANDARD EXCLUSIONS:

- | | | |
|--|--|---|
| 1. Cut, Patch, or Paint of Walls, Ceilings, Etc. | 2. Permits or shop drawings | 3. Access Panels |
| 4. Painting of pipe | 5. Wiring or Programming of electrical devices | 6. Asbestos testing, Abatement, or Protocol |
| 7. Temporary Protection or Fire Watches | 8. Any other work not mentioned above | 9. Any unforeseen delays. |

Payment ☐ NET 10 ☐ NET 30 ☐ C.O.D.

~~TAX~~ DEPOSIT: \$ 31673

☐ Time and Material ☐ Price Not to Exceed \$ _____ ☒ Fixed Price of \$ **3448.00 + Tax**

BALANCE DUE: \$ 31673

☐ AMEX ☐ MC/Visa ☐ Discover CREDIT CARD # _____

Expiration Date: _____ Name on Credit Card _____

(If work under this Agreement is tax exempt, Customer **MUST** provide exemption certificate.)

CUSTOMER ACCEPTANCE

In accepting this Agreement, Customer agrees to the terms and conditions contained herein including those on the following page(s) of this Agreement and any attachments or riders attached hereto that contain additional terms and conditions. It is understood that these terms and conditions shall prevail over any variation in terms and conditions on any purchase order or other document that the Customer may issue. Any changes in the system requested by the Customer after the execution of this Agreement shall be paid for by the Customer and such changes shall be authorized in writing. **ATTENTION IS DIRECTED TO THE LIMITATION OF LIABILITY, WARRANTY, INDEMNITY AND OTHER CONDITIONS CONTAINED IN THIS AGREEMENT.** This offer shall be void if not accepted in writing within thirty (30) days from the date first set forth above.

Fox Creek Jr High
3101 Dewert Sky Drive
Bullhead City, AZ 86442

Customer

By: _____

Authorized Signature

Printed Name: _____

Printed Title: _____

On-Site Scheduling Contact & Phone Number: _____

SIMPLEXGRINNELL, LP

By: *Roger Emmons*

Name: Roger Emmons

Title: System Integrity Representative

Phone: (702) 948-1806 Fax: (702) 736-6521

Email: remmons@simplexgrinnell.com

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency

X Building Renewal Grant Fund

District: **Colorado River Union**
BRG Project Number: **080502002-1002-014BRG**
Project Description: **Replace HVAC unit**
Architect of Record: **n/a**
Contractor: **River Valley Air Conditioning Inc. (928-718-2520)**
Executive Authority: **8/12/2014**
Board Ratification: **9/3/2014**

Mohave County

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost		\$ 19,500
Contingency ①		\$ 2,500
Architecture / Engineering (A&E)		\$ 2,000
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ 2,000
Total SFB Funded Project Cost:		\$ 24,000
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 24,000
Total Project Cost:		\$ 24,000

① Contingency shall only be used with SFB staff approval

Building Renewal Grant Application

Initial Submission Date: 8/11/2014 3:45:35 PM

Application ID: 1435

Resubmittal Date:

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

District Name: Colorado River Union High School District
Superintendent: Riley Frei
Contact Person: John Wawrzynek
Contact Phone Number: 9284447529
Contact Email: jwawrzynek@bullheadschoools.com
School Site: River Valley High School
Buildings: 1002 Cafeteria

Application Title: Kitchen 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.

We are experiencing major problems with the split system we have changes major components. This services the kitchen area and is very hot, the staff are complaining and may quit. We have put thousands into repairing but problem after problem this is ten plus years old. we will secure quotes for repair or replacement. This needs to be done ASAP. This is an emergency situation for the health of the staff.

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.

N/A

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139

Superintendent Printed Name

8/11/2014 3:45:34 PM

1

Application ID: 1435

AVOID SUMMER HEAT.



River Valley Air Conditioning, Inc.

Needles Office

221 F Street Needles, CA. 92363
Ph: (760)326-3020 Fax: (760)326-4502

Kingman Office

512 E. Andy Devine Kingman, AZ. 86401
Ph: (928)718-2520 Fax: (928)718-2521

AZ. Res. Lic. #ROC200411 AZ. Comm. Lic. #ROC200412 CA. Lic. #241747 NV. Lic. #020965

Colorado River Union High School District #2

August 12th, 2014

2251 Hwy. 95, Bullhead City, AZ. 86442

Ph: (928)788-1367 Fax: (928)758-1927 Email: jwawrzynek@bullheadschoools.com

Job Name: River Valley High School – 20 Ton A/C Replacement

We hereby propose to do the following:

Furnish and install one (1) American Standard/Trane TWA240E40RA (20-ton) heat pump split system and matching fan coil. Installation will be turn-key and include the following:

1. Removal and disposal of existing equipment as given by the school district per EPA guidelines.
2. Lifting and setting new condenser on roof.
3. Re-connection and adapt to existing supply and return ducts.
4. Re-connection to existing line voltage electrical. (Includes electric whips, but not new disconnects)
5. Re-connection to existing low voltage EMS control wiring.
6. Re-connection to existing condensate drains.
7. Evacuation, flushing and charging split systems with proper Freon charge.
8. Starting and testing of all NEW equipment for proper operation.
9. Labor to complete work as necessary. (Does not include Davis Bacon or Prevailing wages)
10. Arizona sales tax.
11. One (1) year Labor warranty.
12. Manufacturer's five (5) year parts warranty.

2 DAYS + 2 DAYS
TO INSTALL

NOTE: This quote does not include new controls, new roof curbs, new fire alarm control systems, certified air balance or permits.

We propose to furnish material and Labor to complete the above specifications for the sum of:

Nineteen Thousand Five Hundred and 00/100 Dollars \$19,500.00

Payment to be made as follows:

DUE UPON COMPLETION OF WORK

Authorized Signature: _____

Date: _____

8/12/14

Note: This Proposal may be withdrawn by us if not accepted within: 90 Day's

All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard practices. 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. Our workers are fully covered by worker's compensation insurance. A finance charge of 1 1/2% per month which is an annual percentage rate of 18% applied to your previous balance after deducting payments and credit since last statements closing date. Finance charges are calculated on balances over 30 Days past due. In the event an attorney is retained to bring suit for collection of any sums due, you might be obligated to pay cost of collection and reasonable attorney fees.

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

District: **Colorado River Union**
BRG Project Number: **080502002-9999-015BRG**
Project Description: **Replace backflow preventer**
Architect of Record: **n/a**
Contractor: **Sun Devil Fire Equipment (623-245-0636_**
Executive Authority: **8/26/2014**
Board Ratification: **9/3/2014**

Mohave County

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost		\$ 13,793
Contingency ①		\$ -
Architecture / Engineering (A&E)		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 13,793
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 13,793
Total Project Cost:		\$ 13,793

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: 8/24/2014 3:09:42 PM

Application ID: 1490

Resubmittal Date:

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

District Name: Colorado River Union High School District
Superintendent: Riley Frei
Contact Person: John Wawrzynek
Contact Phone Number: 9284447529
Contact Email: jwawrzynek@bullheadschoools.com
School Site: River Valley High School
Buildings: 9999 School Wide

Application Title: Failed Back-flow

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 back-flow was tested as per the county and failed. This needs to be replaced ASAP. as this is a health concern for the staff and students.

Project Category: Plumbing

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

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

N/A

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139


Superintendent Printed Name

Superintendent Signature

8/25/14
Date

8/24/2014 3:09:41 PM

1

Application ID: 1490

**LAGOON ESTATES WATER COMPANY
P. O. Box 5581
Mohave Valley Arizona 86446**

July 31, 2014

Bonnie Wheaton
Col. River Union School District
P.O. Box 21479
Bullhead City, AZ 86439

Regarding: Backflow Assembly Test Due

Dear Customer:

One of the requirements the Arizona Department of Environmental Quality require of all water purveyors, is that they have a program of identifying and eliminating cross connections to the potable water system.

The backflow prevent assembly installed at your water service is due for its periodic test as required under Arizona Administrative Code R-18-4-215, and the Lagoon Estates Water Backflow Prevention Program.

The due date for this test is 08/31/2014

Please have the required testing performed by a certified backflow tester within 30 days of this notice.

If the test discloses that the assembly has "failed", please have the necessary repairs made and the assembly retested by the certified backflow tester. If the backflow prevention assembly cannot be repaired/replaced immediately after a "failed" test, please contact the compliance department at (928) 768-3384.

On completion of a test showing that the assembly has "passed", please forward the Test & Maintenance Report form to the above address, or fax to (928) 768-3383.

Additional information relative to this matter or regarding how a certified backflow tester from Lagoon Estates Water Company may assist you may be obtained by calling our office at (928) 768-3384.

Sincerely,

Karen Brereton, Lagoon Estates Water Company
American Backflow Prevention Association Certification No. 03-00942



Sun Devil Fire Equipment, Inc.

Phoenix • Prescott • Flagstaff • Tucson
623-245-0636 • 928-775-4455 • 928-779-9100 • 520-792-9911

PROPOSAL

Corporate office: 2929 W. Clarendon Ave, Phoenix, AZ 85017

Phone: 623-245-0636 or 800-536-3845 • Fax: 602-495-9291 or 800-495-9291

Website: www.sundevilfire.com • Email: service@sundevilfire.com

8/22/2014

COMPANY: COLORADO RIVER SCHOOL DISTRICT
PO BOX 21479
BULLHEAD CITY, AZ 86439

PROJECT: RIVER VALLEY HIGH SCHOOL
2250 EAST LAGUNA
MOHAVE VALLEY, AZ 86440

PHONE: (928) 444-7529

FAX:

PHONE: (928) 444-7529

FAX:

ATTENTION: JOHN

THANK YOU FOR THIS OPPORTUNITY TO BID ON THE BACKFLOW REPAIRS FOR RIVER VALLEY HIGH SCHOOL.

THE FOLLOWING BACKFLOW VALVE FAILED THE ANNUAL TEST ON 8/22/14- 9410031356, AND NEEDS THE FOLLOWING REPAIRS:

1-AMES COLT 400 NEW BACKFLOW @ \$10,700.00	\$ 10,700.00
3-8.0" BOLT AND GASKET KITS @ \$167.40	\$ 167.40
1- 8.0" SPOOL @ \$875.00	\$ 875.00
7-HOURS X 2 MEN LABOR TO INSTALL @ \$90.00	\$ 1,260.00
SERVICE MATERIALS	\$ 29.95
SUB TOTAL	\$ 13,032.35
TAX	\$ 760.64
TOTAL	\$ 13,792.99

THIS BID INCLUDES THE SUBMISSION OF PASSING REPORTS TO LAGUNA WATER. IF THIS BID HAS NOT BEEN ACCEPTED WITHIN 10 WORKING DAYS, THE FAILED REPORTS WILL BE SUBMITTED TO THE CITY.

THIS PRICE DOES NOT INCLUDE ADDITIONAL PLANS, PERMITS AND/OR REQUIREMENTS. DUE TO UNFORESEEN COMPLICATIONS THAT MAY ARISE DURING INSTALLATION OR REPAIRS, ESTIMATED LABOR MAY BE SOMEWHAT HIGHER THAN THE ABOVE PROPOSAL. PLEASE NOTE: SUN DEVIL FIRE EQUIPMENT WILL NOT BE RESPONSIBLE FOR ANY REPAIRS TO EXISTING GROUNDS, CEILING AND/OR WALLS THAT MAY BE DAMAGED DURING INSTALLATION OR REPAIRS. PLEASE NOTE: THE ABOVE PRICING IS BASED ON REGULAR HOURS MONDAY THROUGH FRIDAY, 7:00 AM TO 5:00 PM. AFTER HOURS, WEEKENDS OR HOLIDAYS WILL BE AN ADDITIONAL CHARGE. THE ABOVE PRICE DOES NOT INCLUDE ANY ADDITIONAL PARTS OR MATERIALS THAT MAY BE REQUIRED TO BRING EQUIPMENT UP TO CODE.

*TERMS: NET 30 ON APPROVED CREDIT WE ACCEPT VISA / MASTERCARD / AMERICAN EXPRESS PAYMENTS.

Page 1 of 1

Let our #1 team protect your #1 team!

ROC #: L-16-091362 • L-67-090913 • L-05-095653

74010

Authorized Signature

STEVE BRADFORD, BUSINESS DEVELOPMENT A

Note: This proposal may be withdrawn by us if not accepted within 30 days.

All proposed work/price is contingent upon approval of authority having jurisdiction. We Propose hereby to furnish material and labor — complete in accordance with above specifications.

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.

Date of Acceptance _____ REV. 6/2006

Signature _____

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund**District:** Lake Havasu Unified**Project Number:** 080201207-1007-007BRG

Mohave County

Project Description: Repair fire alarm control panel**Architect of Record:** n/a**Contractor:** Siemens (702-855-5300)**Executive Authority:** 8/18/2014**Board Ratification:** 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost		\$ 2,729
Contingency ①		\$ 2,271
Architecture / Engineering (A&E)		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection (structural and geo-tech)		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 5,000
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 5,000
Total Project Cost:		\$ 5,000

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

Building Renewal Grant Application

Initial Submission Date: 8/18/2014 6:39:17 AM

Application ID: 1407

Resubmittal Date:

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

District Name: Lake Havasu Unified District

Superintendent: Gail Malay

Contact Person: John Simpson

Contact Phone Number: 928-208-6457

Contact Email: jsimpson@havsu.k12.az.us

School Site: Lake Havasu High School

Buildings: 1007 J

Application Title: Fier Alarm Control Panel

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.

Two of the main control panels on the Siemens Fire Alarm panel in J Hall have failed. And are obsolete. At this time we are on fire watch until we can have the panels replaced. Please see attached quote from Siemens who is the sole source for this system.

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.

There is no insurance to cover this cost.

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139

Superintendent Printed Name

Superintendent Signature

Date

SIEMENS

Infrastructure & Cities

Attn: Tony Monda
Lake Havasu Unified School District

Date: 07/25/14

Subject: Labor and material to replace main board for PAD-3 and the enclosure for PAD-3

Labor and Material	Quantity	Price	Total
PAD-3-MB Main Board for PAD-3	2	\$643.00	\$1,286.00
EN-PAD Black Enclosure for PAD-3	1	\$169.00	\$169.00
Shipping	1	\$20.00	\$20.00
Specialist Labor regular time	8	\$114.00	\$912.00
Specialist Labor over time	2	\$171.00	\$342.00
Total			\$2,729.00

Other	Quantity	Price	Total
			\$0.00
			\$0.00
Other Total			\$0.00

Labor and Material	\$2,729.00
Other Total	\$0.00
Tax	

Estimated Total \$2,729.00

****Exclusions: Replacement of any other field devices. This excludes any additional existing wire replacements. New permits and inspections not already open and scheduled with AHJ. Any additional work, drawings & engineering cost incurred will be proposed before execution. All after hours testing of field devices is also excluded.

Approval- This estimate is satisfactory and hereby accepted.

Authorized Signature: _____ Date _____

Printed Name: _____ PO# _____

Note: Please attach purchase order if available.

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

District: **Mesa Unified**
BRG Project Number: 070204107-1015-002BRG
Project Description: Replace compressor
Consultant: n/a
Contractor: Daikin Applied (602-997-0622)

Maricopa County

Executive Authority: 8/19/2014
Board Ratification: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 32,824
Contingency ①		\$ 2,176
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 35,000
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 35,000
Total Project Cost:		\$ 35,000

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: _____

Application ID: 1419

Resubmittal Date: _____

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

District Name: Mesa Unified District
Superintendent: Dr. Michael Cowan
Contact Person: Todd Poer
Contact Phone Number: 928-595-1400
Contact Email: ftpoer@mpsaz.org
School Site: Holmes Elementary School
Buildings: 1015 A14000

Application Title: Replace Turbo Core Compressor at Holmes Elementary School

Description of Problem

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

Holmes Turbo Core Compressor

At Holmes Elementary, we had a 70 ton compressor that has a demagnetized shaft, per Turbocor , the compressor has to be replaced. Daikin Applied was given the job of troubleshooting the compressor failure after it was diagnosed by a Mesa Public Schools HVAC employee to have failed. Daikin Applied came up with the same diagnosis that the HVAC specialist, with a Turbocor certification, had diagnosed. After discussing the possible causes of the failure, Daikin believes it could've been caused by Insufficient cooling to the compressor. Adjustments have been made on the chiller to prevent liquid refrigerant from backing up in the evaporator at start-up, hopefully preventing this from happening again. McQuay WMC chillers are not equipped with a liquid level sensor to help prevent insufficient cooling to the compressors and maintain proper liquid level in the condenser barrel. Mesa Public School has spent \$3800 on compressor parts and troubleshooting from Daikin Applied on this compressor, not including the time and labor from our own HVAC specialist. We are in the process of obtaining a quote from Johnston Engineering Company to have a Forinsic study done on this Turbo Core Compressor to find what caused it to fail so that this does not happen again and the District will fund this study. The Quote that was obtained from DAIKIN is \$27,823.27 to provide labor and materials to install (1) rebuilt compressor on WMC035 Chiller.

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

8/4/2014 4:44:29 PM

Building Renewal Grant Application

Amount of Local funds planned for this project

\$2,800.00

Please outline any associated insurance coverage.

Warranty is over and failure is not due to theft, vandalism, or wind, therefore, it is not covered by insurance.

Liaison: Cruse

pcruse@azsfb.gov

602-364-1193

Michael B. Cowan

Superintendent Printed Name

Michael B. Cowan

Superintendent Signature

8/4/14

Date

QUOTATION #2015-001 Compressor Replacement for Chiller at Holmes Elementary


 COMPANY QUOTING
"COMPRESSOR REPLACEMENT FOR CHILLER AT HOLMES ELEMENTARY"**QUOTE FORM****DEADLINE FOR RETURNED QUOTES: Thursday July 31, 2014 AT 2:00P.M.****OPTION 1****BASE PRICE (EXCLUDING TAX)**\$ 26,439⁰⁰**TAX AT 5.2325%** (we show 8.05% sales tax)
\$ 2,128.⁰⁰\$ 28,567.00 @ 5.2325% = \$1383.46**TOTAL PRICE (INCLUDING TAX)**\$ 28,567.00 / 27,339.⁰⁰ (your tax)**LESS CORE RETURN (IF APPLICABLE)**\$ 4/A \$ 27823.27**OPTIONAL:****ADDITIONAL FOUR (4) YEAR EXTENDED WARRANTY**\$ 16,651⁰⁰

Core return will be less base price upon return of defective compressor.

Please specify compressor quoted:

New ☐New factory authorized rebuilt ☒ *New not avail***ACKNOWLEDGEMENT OF ADDENDUM (if any, list addendum number and initial)**

Purchase orders issued to successful vendor will be made out to the company indicated on the "COMPANY QUOTING" line on this page. Be sure to fill in your company name as it will appear on your invoices in order to avoid delays in processing payment.

The signature on the following page signifies that the Request for Quote contained herein has been read thoroughly and is understood in its entirety and the response submitted is accurate, reliable and in compliance with all requirements of the solicitation.

Please Indicate:

If unforeseen, or extra work, authorized by the District, is performed on this project, list hourly rate to be charged. *

122⁰⁰ per hour* Note: Any additional work must have prior written approval by the District Representative, before the contractor proceeds with work.Project can be completed by: Fourteen (14) calendar days following issuance of purchase order. *Lead time on compressor 19 days*Yes ☐ No ☒Period of warranty/guarantee. *5-7-day Shipping*1 Years

Length of time quote prices will be in effect.

30 Days

Considering that payments may now be made within 10 days, please provide the following early payment discount information.

Discount if invoices are paid within 10 days of receipt

0 %

Discount if invoices are paid by the tenth of the month following receipt.

0 %

MESA UNIFIED SCHOOL DISTRICT #4
REQUEST FOR QUOTATION
QUOTATION #2015-001

"COMPRESSOR REPLACEMENT FOR CHILLER AT HOLMES ELEMENTARY"

The persons, corporation, or company who makes the accompanying quote, by the signature below, certifies that such quote is genuine and not sham or collusive, nor made in the interest or behalf of any person not herein named, and that the bidder has not directly or indirectly induced or solicited any other bidder to submit a sham quote, or any other person, corporation, or company to refrain from quoting, and that the bidder has not in any manner sought by collusion to secure for itself an advantage over any other bidder.

Daikin Applied
Company Quoting

Rosanne Rachl
Authorized Signature/Local Representative

ROSANNE RACHL/Service Sales
Typed Name/Position Held with Company

2330 W. MISSION LANE #15
Mailing Address

602
315-1970

Phoenix AZ 85021
City State Zip

602-997-0622
Telephone Number

602-997-0670
FAX Number

77049 - L39
Arizona Commercial Contractor License #

41-0404230
Federal Tax Identification Number

ROSANNE.RACHL@DAIKINAPPLIED.COM
E-mail

COMPANY IS: (Please check those that apply):

☒ Corporation ☐ Partnership ☐ Limited Partnership ☐ Sole Proprietorship

Incorporated: ☐ Yes ☐ No Other: Please Explain Below

COMPANY QUOTING Varin Applied

LIST OF SUBCONTRACTORS

This attachment to the Quote Form shall be submitted along with the Quote Form.

The Contractor must list below the names, license and classification numbers of all qualified subcontractors and/or suppliers they will employ for the various portions of the work indicated. Failure on the part of the Contractor to complete this list properly will constitute sufficient grounds to reject their quote.

TRADE

FIRM

LIC#

CLASS#

<u>N/A</u>			

Signed

Bernie Kiehl

Phone

602-315-1970

MESA UNIFIED SCHOOL DISTRICT #4
GENERAL NOTIFICATION
ASBESTOS AND HAZARDOUS MATERIAL STATEMENT

PLEASE RETURN THIS SIGNED FORM ALONG WITH YOUR REQUEST FOR QUOTE.

ATTENTION: Architects, Engineers, Consultants, Contractors, Sub-contractors, Craftsmen and Vendors. The following information is extremely important and must be adhered to without exception:

Asbestos Contained Building Materials (ACBM) will not be used on any project within the Mesa Unified School District #4. ACBM is defined as any building material having an asbestos content of 1% or more. Typical examples of materials that may contain asbestos and therefore would be considered ACBM are: vinyl asbestos tile, certain forms of adhesive used to hold vinyl tile, certain forms of adhesive used to hold cove base molding, some thermal insulation, and transite paneling. The above list is not complete but merely represents some of the material more commonly found on job sites that are ACBM. As per EPA guidelines, some roofing material used on the exterior of the buildings may be considered ACBM. Address any questions concerning asbestos to Keith Bonkoski at 480-472-6014.

Solder and paint with any amount of lead is no longer authorized, and will not be used in any District projects.

HOLD HARMLESS:

Interface of work under this contract with work containing asbestos shall be executed by the contractor at risk and discretion with full knowledge of the currently accepted standards, hazards, risks and liabilities associated with asbestos work and asbestos containing products. By execution of this contract, the contractor acknowledges the above and agrees to hold harmless the owner, employees and agents and assigns for all asbestos liability which may be associated with respect to the above-mentioned standards, hazards, risks and liabilities.

I have read the above information and will comply.

Daikin Applied
Company Name
Kosanne Karch
Authorized Signature/Local Representative
Kosanne Karch / Service Sales
Typed Name/Position Held with Company
2330 W. MESSON LANE #15
Mailing Address
PHOENIX AZ 85021
City State Zip
602-997-0622 / 602-997-0670
Telephone Number/FAX Number
7/31/14
Date
41-0404230
FEDERAL TAX I.D. NUMBER

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency

☒ Building Renewal Grant Fund

District: **Mohave Valley Elementary**
BRG Project Number: **080416103-9999-016BRG** Mohave County
Project Description: **Replace HVAC unit**
Engineer: **n/a**
Contractor: **Pueblo Mechanical & Controls, Inc. (800-840-9170)**
Executive Authority: **8/5/2014**
Board Ratification: **9/3/2014**

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 12,083
Contingency ①		\$ 1,417
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ 1,000
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ 1,000
Total SFB Funded Project Cost:		\$ 14,500
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 14,500
Total Project Cost:		\$ 14,500

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 8/1/2014 3:35:20 PM

Application ID: 1413

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: Cindy Christy

Contact Phone Number: 928-768-2507

Contact Email: christy@mvdistrict.net

School Site: Mohave Valley Junior High School

Buildings: 1001 Building A

Application Title: Replace Library Unit

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.

7.5 Ton unit serving library is down. The unit is 17 years old. The compressor and coil has a leak. The compressor was replaced at least once in the past.

The district has received a quote to replace the unit with a new Trane unit as specified by district consulting engineer.

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.

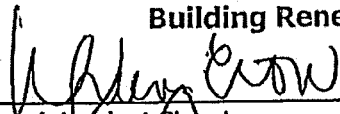
Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139

Whitney Crow
Superintendent Printed Name

Building Renewal Grant Application



Superintendent Signature

8/1/14
Date



(800) 840-9170

PROPOSAL - Mohave Valley Jr High Library HVAC (Mohave JOC)
PMC Proposal #:14-06-071

From: Pueblo Mechanical and Controls, Inc.

Date: 7/22/2014

Attn: Cindy Christy
Mohave Valley Elementary School District
8750 S. Olive
Mohave Valley, AZ 86440

Pueblo Mechanical and Controls is pleased to provide the following scope for replacing the Library heat pump.

- Remove and dispose of one (1) existing Lennox Heat pump.
Provide and install one (1) Trane WSC 090E3ROA with the following options.
 - 0-100% Economizer with Dry Bulb Control & Barometric relief
 - 2 inch pleated filters
 - Condenser coil hail guard
 - Low Ambient to 0°F & Crankcase heater
 - Demand control ventilation.
 - CO2 wall mounted, sensor
- Connect to existing electric circuit above roof line providing new fused disconnect, whips and wire
- Provide custom curb adapter for secure unit placement
- Connect to existing control wiring and thermostat providing new seal tight whip.
- Provide and install Co2 sensor adjacent to existing thermostat
- Connect to existing condensate drain providing new trap, terminating as existing.
- Start and test for proper operation
- Provide crane and rigging service.
- Provide two year parts and labor warranty

We Exclude The Following:

- Repair or replacement of any existing device to be found inoperable.

Complete material, service, and labor sub total:	\$11,640.36
Mandated applicable taxes (3.8025% Mohave County Only):	\$ 442.62
Bonding [N/A]:	\$ 0.00

Total Cost: **\$12,082.99**

Note: Progress billing authorized when/if required due to project timeline

All projects over \$50,000 must be individually bonded, projects under this amount are at the discretion of the customer; if the project is under \$50,000 by accepting this proposal you agree

ALL PRICES QUOTED ABOVE ARE VALID FOR 120 DAYS

Mohave JOC #09D-PMAC2-0902 • AZ State JOC #ADSP011-009974 • TCPN #R5044 • 1GPA #13-80
6771 E. Outlook Drive, Tucson, AZ 85756 • 11052 N. 24th Avenue, Phoenix, AZ 85029
Office - (800) 840.9170 • Fax - (888) 473-4374
www.pueblo-mechanical.com
AZ LIC: K-39 # ROC176640 • AZ LIC: B-01 # ROC173953 • AZ LIC: K-74 # ROC260462

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



PROPOSAL

August 4, 2014

Cindy Christy
Director of Business Services
Mohave Valley Elementary School District
8450 South Olive
Mohave Valley, AZ 86440

RE: Structural Study/Analysis of Building A at Mohave Jr. High

Dear Cindy,

Please find below a proposal to perform structural study/analysis of Building A at Mohave Jr. High to replace a rooftop unit at the library, and as required by current Arizona Statute.

The scope includes:

- 1) Analysis of any structural load changes with proposed units vs existing units.
- 2) Determination of structural safety with any load changes.
- 3) Recommendation of structural enhancement if required.

BESP's Proposed Fee to include the scope – \$1,000 (NTE)

Please note that structural design/construction document is not part of the scope.

Please let me know if you have any questions.

Sincerely,

Sameer R Pandey PE (Mech), CEM, LEED
Principal, Building Energy Solutions Provider (BESP)
602-377-2679 (Cell)
sameerpandey@beps.us

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund**District:** Mohave Valley Elementary**BRG Project Number:** 080416103-1002-017BRG

Mohave County

Project Description: Replace HVAC units**Engineer:** n/a**Contractor:** Glacier Heating & Air (928-763-7571)**Executive Authority:** 8/5/2014**Board Ratification:** 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 29,187
Contingency ①		\$ 3,313
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ 1,500
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ 1,500
Total SFB Funded Project Cost:		\$ 34,000
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 34,000
Total Project Cost:		\$ 34,000

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 8/1/2014 11:48:04 AM

Application ID: 1411

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: Cindy Christy
Contact Phone Number: 9287682507
Contact Email: christyc@mvdistrict.net
School Site: Mohave Valley Junior High School
Buildings: 1002 Building B

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.

15 ton unit serving the kitchen is down and cannot be repaired. The 10 ton unit unit serving the eating dinning area is also down and cannot be repaired.

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

Whitney Crow

Superintendent Printed Name
Whitney Crow

Superintendent Signature

8/1/14

Date

1697 Rio Vista Drive
Bullhead city Az. 86442



Az. R.O.C. 215080
glacierman2@frontiernet.net

Website: Glacierheatair.net

7 to 7 mon thru fri.
7 to 4 sat.

"energy efficient systems is
our business, energy
conservation is everyone's"

PROPOSAL

To: Mohave Valley School District

Re: Gymnasium/music room 15ton A/C replacement

We propose to furnish and install new 15-ton heat pump with equal or better specifications than existing lennox 15-ton heat pump. New unit to include the following:

- Trane 15-ton heat pump
- Factory made curb adaptor
- Factory hail guard
- New electrical fused pull handle disconnect
- Reconnect all line voltage and control wiring
- Reconnect copper drain lines
- Counterflash and seal any roof penetrations
- All crane costs
- All labor necessary to complete job
- 1 year labor warranty on all work done by glacier htg. & a/c

New unit is manufactured by Trane and has a 5-year compressor warranty and 1 year all other parts. Mfrs. Submittals with specifications attached.

Model #WSD180E3ROA005

Price.....\$16,074.00

Tax (if applicable).....1069.00

Total.....\$17,143.00

Sincerely Don Entrikin

Glacier heating and air conditioning

All quotes good for 60 days. Terms 50% down, remainder upon completion. After 30 days subject to late fees and penalties.

Authorized Signature_____

1697 Rio Vista Drive
Bullhead city Az. 86442



Az. R.O.C. 215080
glaciertman2@frontiernet.net

Website: Glacierheatair.net

7 to 7 mon thru fri.
7 to 4 sat.

"energy efficient systems is
our business, energy
conservation is everyone's"

PROPOSAL

To: Mohave Valley School District

Re: Gymnasium/music room 10 ton A/C replacement

We propose to furnish and install new 10-ton heat pump with equal or better specifications than existing lennox 10-ton heat pump. New unit to include the following:

- Trane 10-ton heat pump
- Factory made curb adaptor
- Factory hail guard
- New electrical fused pull handle disconnect
- Reconnect all line voltage and control wiring
- Reconnect copper drain lines
- Counterflash and seal any roof penetrations
- All crane costs
- All labor necessary to complete job
- 1 year labor warranty on all work done by glacier htg. & a/c

New unit is manufactured by Trane and has a 5-year compressor warranty and 1 year all other parts.
Mfrs. Submittals with specifications attached.

Model #WSD120E3ROA005

Price.....\$11,272.00

Tax (if applicable).....772.00

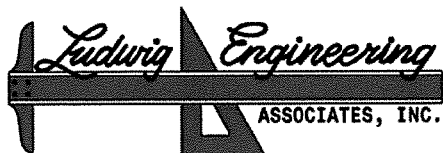
Total.....\$12,044.00

Sincerely Don Entrikin

Glacier heating and air conditioning

All quotes good for 60 days. Terms 50% down, remainder upon completion. After 30 days subject to late fees and penalties.

Authorized Signature_____



Civil Engineering • Surveying • Planning

Arizona

5890 Highway 95, Ste. B 2126 McCulloch Blvd., Ste. B
Fort Mohave, AZ 86426 Lake Havasu City, AZ 86403
Ph. 928-768-1857 Ph. 928-680-6060
Fax 928-768-7086 Fax 928-854-6530
www.ludwigeng.com

California

109 E. 3rd St. 15252 Seneca Rd.
San Bernardino, CA 92410 Victorville, CA 92392
Ph. 909-884-8217 Ph. 760-951-7676
Fax 909-889-0153 Fax 760-241-0573
Toll Free 800-879-1282

August 5, 2014

Ms. Margie Poppin
8450 S. Olive
Mohave Valley, AZ 86440

RE: HVAC Replacement Load Study

Proposal for Load Study for replace A/C unit: \$750.00

Mohave Valley Junior High School:
Cafeteria

Total Fee \$750.00

Please make check payable to:

Ludwig Engineering Associates Inc.
5890 S. Highway 95, Suite B
Fort Mohave, AZ 86426

Payment due upon receipt

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency

 X Building Renewal Grant Fund**District:** Mohave Valley Elementary**BRG Project Number:** 080416101-1001-019BRG

Mohave County

Project Description: Repair SES**Engineer:** n/a**Contractor:** Connella Electric, Inc. (928-768-3532)**Executive Authority:** 8/8/2014**Board Ratification:** 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 18,000
Contingency ①		\$ 2,000
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 20,000
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 20,000
Total Project Cost:		\$ 20,000

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 8/8/2014 3:31:33 PM

Application ID: 1432

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: Margie Poppin

Contact Phone Number: 928-768-2507 ext 8002

Contact Email: poppinm@mvdistrict.net

School Site: Mohave Valley Elementary

Buildings: 1001 Building 1

Application Title: Breaker Box

Description of Problem

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

There is a complete failure of the 400 amp SES in the building servicing our Developmental Center and preschool.

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 cost of the replacement is approximately \$16,000.00. The district does not currently have the funds to pay for the replacement. The district will have to relocate students if we cannot repair this breaker and the students that are serviced in this building are our special need students and all of the specialized equipment for servicing them is housed in that building.

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139

Whitney Crow
Superintendent Printed Name

Building Renewal Grant Application

Whitney Crow
Superintendent Signature

8/11/14
Date

CONNELLA ELECTRIC , INC.
5147 Huntington Rd
Bullhead City AZ 86426
(928) 768-3532 Office
(928) 768-3557 Fax

CONTRACTORS LICENSE NO.
ARIZONA CR11 #137123
NEVADA #42405

Proposal

Mohave Elementary School District	(928) 768-2509	August 8, 2014
ATTN: Margie	poppinm@mvdistrict.net	
	Mohave Valley Electrical Panel Replacement	

Connella Electric to supply and install:

Price to replace existing 400 amp single phase SES with a new 600 amp single phase SES.

Price includes:

Disconnect all solar and reconnect to newly installed SES.
Disconnect existing sub feeds to all panels and circuits and reconnect to new SES.
Install new 100 amp panel on side of SES for existing circuits.
Coordination with MEC, school district, and building department to minimize downtime.
Building permit and tax.

**Note: Three week lead time.

PLUS TAX IF APPLICABLE

We propose

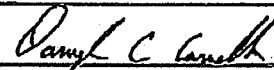
hereby to furnish material and labor, complete in accordance with above specifications, for the sum of
Seven thousand, eight hundred twenty-two and 55/100***** (\$7,822.55)

Payment to be made as follows:

Upon completion.

18 % PER ANNUM FOR INVOICES OVER 30 DAYS

Darryl Connella, President:



Note: This proposal may be withdrawn if not accepted within _____ days

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 stated above.

Date of acceptance _____ Signature _____

PRELIMINARY TWENTY DAY NOTICE OF MECHANIC'S LIEN

"IN ACCORDANCE WITH ARIZONA REVISED STATUTES SECTION 33-992.01, THIS IS NOT A LIEN, THIS IS NOT A REFLECTION ON THE
INTEGRITY OF ANY CONTRACTOR OR SUBCONTRACTOR.

NOTICE TO PROPERTY OWNER

IF BILLS ARE NOT PAID IN FULL FOR THE LABOR, MATERIALS, MACHINERY, FIXTURES OR TOOLS FURNISHED OR TO BE FURNISHED, A MECHANICS
LIEN LEADING TO THE LOSS, THROUGH COURT FORECLOSURE PROCEEDINGS, OF ALL OR PART OF YOUR PROPERTY BEING IMPROVED MAY BE
PLACED AGAINST YOUR PROPERTY. YOU MAY WISH TO PROTECT YOURSELF AGAINST THIS CONSEQUENCE BY EITHER:

1. REQUIRING YOUR CONTRACTOR TO FURNISH A RELEASE SIGNED BY THE PERSON OR FIRM GIVING YOU THIS NOTICE
BEFORE YOU MAKE PAYMENT TO YOUR CONTRACTOR.
2. USING ANY OTHER METHOD OR DEVICE WHICH IS APPROPRIATE UNDER THE CIRCUMSTANCES.

INITIAL _____

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund**District:** **Saddle Mountain Unified****BRG Project Number:** 070390002-1009-003BRG

Maricopa County

Project Description: Replace HVAC compressor**Consultant:** n/a**Contractor:** A Quality HVAC 623-853-1482**Executive Authority:** 8/5/2014**Board Ratification:** 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 8,220
Contingency ①		\$ 1,780
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 10,000
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 10,000
Total Project Cost:		\$ 10,000

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: 8/1/2014 12:51:30 PM

Application ID: 1412

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: Saddle Mountain Unified District

Superintendent: Mark Joraanstad

Contact Person: Angel Tellez

Contact Phone Number: 623-474-5600

Contact Email: atellez@smusd.com

School Site: Tonopah Valley High School

Buildings: 1009 Bldg. 200b

Application Title: auditorium unit

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 auditorium HVAC unit is not holding temperature. 1 of the 2 compressors is burned up and need s replaced 55-Ton.

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

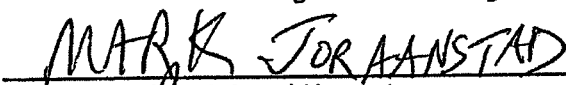
Please outline any associated insurance coverage.

none

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139


Superintendent Printed Name


Superintendent Signature


Date

8/1/2014 12:51:30 PM

1

Application ID: 1412



1300 S Litchfield Rd #A480 Goodyear AZ, 85338
ROC ~ 255314 ~ 255315 ~ 255316

www.AQualityHVAC.org
Office (623)853-1482
Fax (623)393-0121

Saddle Mountain High School
38201 W Indian School
Tonopah AZ 85354
08-01-2014

The following is a proposal to replace the bad compressor in the unit over auditorium area. Our price includes:

- Semi Hermetic Compressor
- Drier (if needed)
- R-22 if needed - ** And Crane Service (compress needs to be crane lifted to building)
- (2 Technicians (Estimated 4 -5 hours))

Total Price is \$7,717.00 plus tax (Seven thousand seven hundred seventeen dollars & 00/100)

(Tax estimated at 6.5% or \$501.60)

= \$ 8,220

Please contact our office with any questions.

Print name

_____/_____/_____
Date:

Signature

*Proposal pricing is good for (30) days of quote
Thank you for this business opportunity

Bryan Cary ~ A Quality HVAC Services LLC

A Quality HVAC Services LLC ~ 1300 S Litchfield Rd #A480 Goodyear AZ, 85338
ROC ~ 255314 ~ 255315 ~ 255316

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Scottsdale Unified**
BRG Project Number: **070248292-9999-023BRG**
Project Description: **Replace variable frequency drive**
Architect of Record: **n/a**
Contractor: **Daikin Applied (602-997-0622)**

Maricopa County

Executive Authority: **8/15/2014**
Board Ratification: **9/3/2014**

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost (cost estimate provided by architect or contractor)		\$ 5,859
Contingency ①		\$ 341
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 6,200
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 6,200
Total Project Cost:		\$ 6,200

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 8/14/2014 4:30:33 PM

Application ID: 1448

Resubmittal Date:

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

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

Application Title: Building pump drive

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 variable frequency drive for the building pump #2 located in the central plant is shorted out. The cost to replace the drive is \$5,858.88.

Project Category: HVAC

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

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

Liaison: Cruse

pcruse@azsfb.gov

602-364-1193

DAVID PETERSON

Superintendent Printed Name

[Signature]
Superintendent Signature

14Aug14
Date



License #: 77049

Proposal

PHOENIX DISTRICT

To: Carlos Monreal
EMS Supervisor
Scottsdale USD
9288 E. San Salvador Drive
Scottsdale, AZ 85258-5518

Phone: 480-484-8519

Email:

Model:

Date: August 1, 2014

Site Name: Arcadia High School

Description: Replace 50 hp vfd with a ABB VFD.

Proposal #: SRMVA73014

Daikin Applied respectfully submits the following solution for your review and approval:

- Furnish and replace (1) ABBB model ACH-UH-072A, Nema 1, 460 volt, 3 phase unit.
- Integral input reactor = 5% impedance
- AC transient protection system consisting of : (4) MOV'S
- Input EMI / RFI filter meets EMC product standard EN61800-3 for the first environment
- Plenum rated allowing VFD / Bypass can be installed in air stream
- Altitude to 3300 feet above sea level, less than 95% humidity non-condensing ACH550 ambient operating temperature: 5°F thru 104°F (-15°C thru 40°C)
- Drive is rated at 100,000 AIC
- 24VDC Auxiliary Power Supply rated at 250 mA
- Real time clock: Time of day functions, time & date stamp fault log
- BACnet, Siemens FLN, Johnson Metasys N2, Modbus RTU included
- LonWorks Additional
- Programmable (2) analog inputs, (6) digital inputs, (2) analog outputs; (3) form C Relays, expandable to (6)
- Includes factory start up. Three years parts and labor **from Ship Date**.
- Control programming to be done by SUSD and is not included in our proposal.

Feel free to contact me if you have any questions or concerns regarding the information contained in this proposal. If you would like us to proceed with the solution presented above, sign the acceptance line below (including PO# if applicable) and return a copy by fax or mail so that we can begin to mobilize our efforts to complete the project as quickly as possible. We appreciate the opportunity to provide you with this solution and look forward to working with you on this and other projects in the future.

Sincerely,
Daikin Applied

Mike Vella
Service Sales Representative
Ph: 602-997-0622
Fax: 602-997-0670
Email: Michael.vella@daikinapplied.com

DAIKIN APPLIED
Phoenix District

2330 W. Mission Lane, #15
Phoenix, AZ 85021
Phone (602) 997-0622
Fax (602) 997-0670



Proposal

PHOENIX DISTRICT

Exceptions/Exclusions:

1. All work to be performed during "Normal Working Hours".
2. Any and all repairs recommended/required to be quoted separately.
3. Control programming to be done by the District.

This proposal expires on: **September 5, 2014**

Investment Amount and Billing Terms:

Total Investment Required to Implement the Proposed Solution

\$5,858.88

Five Thousand Eight Hundred Fifty Eight Dollars and Eighty Eight Cents

Price includes estimated taxes

Billing/Payment Terms*:

Billed in full, upon completion

*All billings are due immediately upon receipt

Pricing and acceptance are based upon the Terms and Conditions which are attached.

This proposal is being submitted by Daikin Applied Americas Inc. (hereinafter also referred to as "Daikin Applied".)

Submitted By:

Daikin Applied

Mike Vella

(Name of Signer)

(Signature)

August 1, 2014

(Date)

Accepted By:

Scottsdale USD

Carlos Monreal

(Name of Signer)

(Signature)

EMS Supervisor

(Title)

Date: _____

Cust PO#: _____

Approved By:

Daikin Applied Americas Inc.

Jeff McIntyre

(Name of Signer)

(Signature)

District Manager

(Title)

Date: _____

Proposal # _____

SRMVA73014

DAIKIN APPLIED

Phoenix District

2330 W. Mission Lane, #15

Phoenix, AZ 85021

Phone (602) 997-0622

Fax (602) 997-0670

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

District: **Scottsdale Unified**
BRG Project Number: **070248120-1004-024BRG**
Project Description: **Replace HVAC compressor**
Architect of Record: **n/a**
Contractor: **Trane (Rocky Tarcola 602-768-7936)**

Maricopa County

Executive Authority: **8/15/2014**
Board Ratification: **9/3/2014**

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost (cost estimate provided by architect or contractor)		\$ 33,912
Contingency ①		\$ 1,088
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 35,000
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 35,000
Total Project Cost:		\$ 35,000

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 8/14/2014 4:22:16 PM

Application ID: 1447

Resubmittal Date:

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

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

Application Title: 35 ton compressor 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 12 year old Trane 70 ton dual compressor air cooled chiller has one shorted to ground compressor. The cost to replace the 35 ton compressor excluding Freon is \$14,305.00.

Project Category: HVAC

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

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

Scottsdale Unified School District will provide the Freon necessary to complete the work.

Liaison: Cruse

pcruse@azsfb.gov

602-364-1193

DAVID PETERSON

Superintendent Printed Name

[Signature]
Superintendent Signature

15 Aug 12
Date



WE MAKE BUILDINGS WORK BETTER FOR LIFE.™



Trane U.S. Inc. dba Trane
850 West Southern Avenue
Tempe, AZ 85282-4556
Phone: (602) 768-7936
Fax: (602) 253-3801

August 15, 2014

Mr. Dave Kennon
School Facilities Board
1700 W. Washington St.
Phoenix, AZ 85018 U.S.A.
dkennon@azsfb.gov

Site Address:
SUSD Pueblo Elementary
6320 N 82nd Street
Scottsdale, AZ 85250

Attention: Mr. Dave Kennon

Project Name: Scottsdale Schools Pueblo Trane Chiller Model RTAA R'Newal

We are pleased to offer you this proposal for performance of the following services for the Equipment listed. Services will be performed using Trane's Exclusive Service Procedure to ensure you get full benefit of our extensive service experience, coupled with the distinct technical expertise of an HVAC Equipment manufacturing leader. Our innovative procedure is environmentally and safety conscious, and aligns expectation of work scope while providing efficient and productive delivery of services.

Equipment List

Equipment	Qty	Manufacturer	Model Number	Serial Number
70 Ton Air-Cooled Chiller - Series R(TM)	1	Trane	RTAA0704XQ	U04L08520 or 521

A. Chiller R'Newal Process

Trane will provide R'Newal service for the Trane air cooled chiller listed. Labor Parts and material necessary to complete the R'newal program are included. Trane will provide and install remanufactured compressors (includes new oil) and compressor contactors. Trane will flush refrigerant circuits. New oil and refrigerant will be provided and installed. Trane will provide and install new electronic thermostatic expansion valves with modules. Trane will provide and install new air side components including: condenser fans, motors, blades, motor support brackets, wiring adapters and contactors. Trane will provide and install new chiller control panels. Trane will return within two weeks following the service to replace filter cores.

Pricing (Includes Two Year Parts & Labor Warranty is included on the components listed above):.....**\$33,912.00**.
Warranty excludes condenser coil repairs, replacement or refrigerant loss (due to coil leaks).

Thank you for the opportunity to provide Trane Solutions. Should you have any questions, please contact me at 602.768.7936 or rrtarcola@trane.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Rocky Tarcola".

Rocky Tarcola
Trane U.S. Inc.

Clarifications

1. Labor, material, freight and applicable taxes are included.
2. Pricing is based on returning the failed compressor core(s) back to Trane.
3. Work will be performed during normal Trane business hours.
4. This proposal is valid for 30 days from August 15, 2014.

This agreement is subject to Customer's acceptance of the attached Trane Terms and Conditions – Quoted Service.

CUSTOMER ACCEPTANCE

Authorized Representative

Printed Name

Title

Purchase Order

Acceptance Date

Trane License Number: 073586

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency

☒ Building Renewal Grant Fund

District: **St David Unified**
BRG Project Number: **020221202-1011-007BRG** Cochise County
Project Description: **Replace water source heat pump compressor**
Architect of Record: **n/a**
Contractor: **Trejo Refrigeration and Electrical, Inc. (520-221-0194)**
Executive Authority: **8/18/2014**
Board Approval: **9/3/2014**

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost: (cost estimate provided by architect or contractor)		\$ 2,987
Contingency ①		\$ 513
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 3,500
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 3,500
Total Project Cost:		\$ 3,500

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date:

Application ID: 1445

Resubmittal Date:

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

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

Application Title: Room 907 5 ton water source heat pump

Description of Problem

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

The 5 ton water source heat pump is currently down and inoperative.

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.

This project is not covered by the districts insurance.

Bidder has recommended to replace the entire unit.

See attached bid.

Liaison: Demland

ddemland@azsfb.gov

602-542-6567

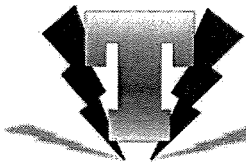

Superintendent Printed Name

Building Renewal Grant Application



Superintendent Signature

8-14-14
Date



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

Estimate

Date	Estimate No.
08/13/14	888

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

Project
Art Room Compressor

Quantity	Item	Description	Cost	Total
1	Material	Material	2,272.77	2,272.77T
1	Labor	Work done on the Job	450.00	450.00T
1	Shipping	Cost of part Shipped	150.00	150.00T
		Estimate is to install a new compress, dryer and new freon for the art room AC.		
		Cochise County Sales Tax	3.965%	113.91
			Total	\$2,986.68

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

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

Signature: _____ Date: _____

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

**STATE OF ARIZONA
SCHOOL FACILITIES BOARD**

Meeting date: September 3, 2014

Agenda Item VI.b.

Subject: VI. Building Renewal Grant Requests

- b. 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 project award)**

Yuma Elementary

Background – Yuma Elementary (James D. Price ES - replace compressor)

Yuma Elementary has submitted a Building Renewal Grant request to replace a failed HVAC compressor servicing the dining room in Building 1001 at James D. Price Elementary School (project number 140401104-1001-018BRG).

Yuma Elementary has 19 schools. James D. Price Elementary School is comprised of three buildings constructed between 1956 and 1989, totaling 11,983 square feet. Building 1001 was constructed in 1956, totaling 9,703 square feet.

The district received a proposal in the amount of \$1,116 for the compressor. District personnel will do the installation.

Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Yuma Elementary (James D. Price ES - replace compressor)

Staff recommends that Yuma Elementary be awarded \$1,400 in Building Renewal Grant funding to replace the HVAC compressor for Building 1001 at James D. Price Elementary School (project number 140401104-1001-018BRG). This includes \$284 in contingency that will only be used with SFB staff approval.

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

Board ratification that **Yuma Elementary** be awarded \$1,400 in Building Renewal Grant funding to replace the HVAC compressor for Building 1001 at James D. Price Elementary School (project number 140401104-1001-018BRG). This includes \$284 in contingency that will only be used with SFB staff approval.

Attachments: Yes [X] No []

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Yuma Elementary**
BRG Project Number: 140401104-1001-018BRG Yuma County
Project Description: Replace compressor
Consultant: n/a
Contractor: American Refrigeration Supplies, Inc. (928-783-7819)

Board approval: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 1,116
Contingency ①		\$ 284
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 1,400
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 1,400
Total Project Cost:		\$ 1,400

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 8/8/2014 10:42:53 AM

Application ID: 1431

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: Yuma Elementary District
Superintendent: Darwin Stiffler
Contact Person: Esperanza Rodriguez
Contact Phone Number: (928) 502-4392
Contact Email: erodriguez@yuma.org;rgalaviz@yuma.org
School Site: James D Price School
Buildings: 1001 Original School

Application Title: Compressor 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.

HVAC Tech has diagnosed the unit in Dining Area and he has come to a conclusion that the unit needs a new compressor. He requested to purchase a compressor and the total amount is \$1115.09
Unit: American Standard Trane, Model # WCP060F300AC, Serial # 23632CA2H
Old Compressor: Model # GP553-KK3-GA, Serial # Z3748495

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.

N/A

Liaison: Cruse

pcruse@azsfb.gov

602-364-1193

Darwin J. Stiffler
Superintendent Printed Name

[Signature]
Superintendent Signature

8/13/14
Date

Page # 1

Remit To: AMERICAN REFRIGERATION SUPPLIES, INC. ARS
 P.O. Box 21127 Store(928)783-7819
 Phoenix, AZ 85036 Corp(602)243-2792

QUOTATION
 Order#: 3058573-00
 Date: 07/31/14
 Terms: Net 10thProx
 PRICE SCHOOL

Bill To: YUMA SCHOOL DISTRICT #1
 450 SIXTH ST
 YUMA, AZ 85364

PO:
 Inst: FOB: ARS #3 - Yuma L083
 Via: Date:

Ship To: YUMA SCHOOL DISTRICT #1
 450 SIXTH ST
 YUMA, AZ 85364

Cust#: 4103

Ln#	Part Number/Description	UM	Qty Ord	Qty Ship	Qty B.O.	Price	Total
-----	-------------------------	----	---------	----------	----------	-------	-------

COUNTER: ALL TOOL PURCHASES MUST BE APPROVED BY
 JOSE JIMENEZ 928-580-5764

1	CDM03745	each	1			906.09 *	906.09
	COMP 4.0 HP 230 3PH MD S R22 AC GP513-JK3G						
2	HPC-163-S-HH	each	1			45.89 *	45.89
	DRIER BI FLOW HP FILTER 3/8 FS						
3	61460	each	1			76.58 *	76.58
	CONTACTOR 50 AMP 3 POLE 24V 42DF35AJ						

3 Lines Total

Total	1,028.56
Taxes *	86.53
Invoice Total	1,115.09

**STATE OF ARIZONA
SCHOOL FACILITIES BOARD**

Meeting date: September 3, 2014

Agenda Item VI.c.

Subject: VI. Building Renewal Grant Requests

- c. 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 \$30,000 for professional evaluation)**

**Kingman Unified
Mesa Unified
Thatcher Unified**

Background – Kingman Unified (Hualapai ES – correct drainage)

Kingman Unified has submitted a Building Renewal Grant request for professional engineering to survey, study and report on the cause of flooding at Hualapai Elementary School (project number 080220110-9999-004BRG).

Kingman Unified, located 190 miles northwest of Phoenix, has twelve schools. Hualapai Elementary School has two buildings constructed in 1981 and 1987, totaling 80,161 square feet.

Staff visited the site at the request of the district insurance company due to the reoccurring floods causing damage to classrooms. At present, the classrooms have been dried and cleaned out. No new flooring will be installed until a drainage solution can be found.

The district has received a civil engineering proposal for \$3,840 for a preliminary survey, a storm water study and a report of possible solutions for the flooding problem.

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 Kingman Unified (Hualapai ES – correct drainage)

Staff recommends that Kingman Unified be awarded \$4,500 in Building Renewal Grant funding for the professional engineering to survey, study and report to correct the drainage at Hualapai Elementary School (project number 080220110-9999-004BRG). This includes \$660 in contingency that will only be used with SFB staff approval.

Background – Mesa Unified (Taft ES - replace 40-ton HVAC unit)

Mesa Unified has submitted a Building Renewal Grant request to replace a failing compressor on a 40-ton HVAC unit serving the Multipurpose Building 1003 at Taft Elementary School (project number 070204118-1003-003BRG).

Mesa Unified has 90 schools. Taft Elementary School is comprised of thirteen buildings constructed between 1965 and 2001, totaling 64,486 square feet. Building 1003 was built in 1973, totaling 9,216 square feet.

The HVAC unit was installed 1993 and has exceeded its useful life expectancy. The age of the HVAC unit and the known major expenditures over the past years justifies full replacement of the unit. The district received a proposal for design that will include analysis of the heating and cooling loads. A structural analysis for this unit is not applicable because all equipment is ground-mounted.

The district will contribute \$20,000 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 – Mesa Unified (Taft ES - replace 40-ton HVAC Unit)

Staff recommends that Mesa Unified be awarded \$9,350 in Building Renewal Grant funding to design the replace of the 40-ton HVAC unit on Building 1003 at Taft Elementary School (project number 070204118-1003-003BRG). The district will contribute \$20,000 toward the cost of construction.

Background – Thatcher Unified (Thatcher MS – repair structural beam)

Thatcher Unified has submitted a Building Renewal Grant request for the structural investigation of a failed roof beam and roof structure of the library/classroom Building 1001 at Thatcher Middle School (project number 050204102-1001-001BRG).

Thatcher Unified, located 160 miles southeast of Phoenix, has four schools. Thatcher Middle School consists of five buildings constructed between 1970 and 2004, totaling 56,844 square feet. Building 1001 was built in 1977, totaling 24,472 square feet.

The district requested a structural engineer submit a proposal for the investigation and evaluation of the failed beam and condition of the remaining roof structure. The district received a proposal in the amount of \$3,605.

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 – Thatcher Unified (Thatcher MS – repair structural beam)

Staff recommends that Thatcher Unified be awarded \$4,605 in Building Renewal Grant funding for a structural investigation of the failed roof beam and roof structure at the library/classroom Building 1001 at Thatcher Middle School (project number 050204102-1001-001BRG). 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 **Kingman Unified** be awarded \$4,500 in Building Renewal Grant funding for the professional engineering to survey, study and report to correct the drainage at Hualapai Elementary School (project number 080220110-9999-004BRG). This includes \$660 in contingency that will only be used with SFB staff approval.
2. Board ratification that **Mesa Unified** be awarded \$9,350 in Building Renewal Grant funding to design the replace of the 40-ton HVAC unit on Building 1003 at Taft Elementary School (project number 070204118-1003-003BRG). The district will contribute \$20,000 toward the cost of construction.
3. Board ratification that **Thatcher Unified** be awarded \$4,605 in Building Renewal Grant funding for a structural investigation of the failed roof beam and roof structure at the library/classroom Building 1001 at Thatcher Middle School (project number 050204102-1001-001BRG). 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 FundDistrict: **Kingman Unified**BRG Project Number: **080220110-9999-004BRG**

Mohave County

Project Description: **Correct drainage**

Architect of Record: Mohave Engineering Associates, Inc. (Russ Stryker 406-272-2627)

Contractor: TBD

Executive Authority: 8/18/2014

Board Ratification: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost (cost estimate provided by architect or contractor)		\$ 3,840
Contingency ①		\$ 660
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 4,500
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 4,500
Total Project Cost:		\$ 4,500

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 8/7/2014 12:02:31 PM

Application ID: 1424

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: Kingman Unified District
Superintendent: Roger Jacks
Contact Person: Craig Schritter
Contact Phone Number: 928 530 0636
Contact Email: cschritter@kUSD.org
School Site: Hualapai Elementary School
Buildings: 9999 School Wide

Application Title: Flood Control

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 monsoons rains these classrooms have been flooded on numerous occasions damaging the interior and contents of the classrooms.

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 TRUST has made the required repairs under the insurance policy but has asked the district to make corrections to the exterior drainage before they will complete the current damages.

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139

Roger Jacks
Superintendent Printed Name

[Signature]
Superintendent Signature

08/07/2014
Date

Gerry Breuer

From: Craig Schritter [cschritter@kUSD.org]
Sent: Saturday, August 16, 2014 7:21 AM
To: Gerry Breuer
Subject: Kingman: Hualapai Elementary School

----- Forwarded message -----

From: **Russ Stryker** <rstryker@meaiaz.com>
Date: Fri, Aug 15, 2014 at 3:01 PM
Subject: Hualapai Elementary School
To: Craig Schritter <cschritter@kUSD.org>

Hello Craig,

The fee for analyzing the drainage at Hualapai Elementary School is as follows:

1. Topo Survey- \$1,500
 2. Storm water study- \$1,500
 3. Review and Coordination- \$840
- TOTAL FEE- \$3,840

--
Russell Stryker

Northern Regional Office: 610 S Ellery, Fairview, MT. 59221,

P:(406) 272-2627

Western Regional Office: 2153 Gordon Dr, Ste. I, Kingman, AZ. 86409

P:(928) 753-2627, F: (928) 753-9118

www.mohave-engineering.com

Under Arizona law, e-mail and email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the District Office by phone or in writing, at 3033 MacDonald Avenue, Kingman AZ, 86401. Anything sent in writing is also a public record. E-mail sent to any officer or employee of Kingman Unified School District with respect to their official duties is also public record.

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
X Building Renewal Grant Fund

District: **Mesa Unified**
BRG Project Number: 070204118-1003-003BRG Maricopa County
Project Description: **Replace 40-ton HVAC unit**
Consultant: Johnston Engineering Company (Thomas W. Johnston, P.E. 480-443-8773)
Contractor: TBD
Executive Authority: 8/19/2014
Board Ratification: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ -
Contingency ①		\$ -
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ 9,350
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ 9,350
Total SFB Funded Project Cost:		\$ 9,350
District or Local Funds:		\$ 20,000
SFB Board Approved Amount:		\$ 9,350
Total Project Cost:		\$ 29,350

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date:

Application ID: 1420

Resubmittal Date:

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

District Name: Mesa Unified District
Superintendent: Dr. Michael Cowan
Contact Person: Todd Poer
Contact Phone Number: 928-595-1400
Contact Email: ftpoer@mpsaz.org
School Site: Taft Elementary School
Buildings: 1003 A3000

Application Title: Mechanical System Replacement at Taft Elementary School Multi-Purpose Room

Description of Problem

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

Building Renewal Grant Application

Taft Multi- Purpose/ Cafeteria A/C Split System

The 40 Ton Split System for Taft's Cafeteria/MPR, which was installed in 1993, has had multiple problems over the past several years. This system has lost 3- 40T compressors, 4 condenser fan motors, 2 expansion valves, 2 oil pressure switches, and 2 crankcase heaters, all in the last 5 years. In addition, we've replaced all the contactors, replaced the 3 phase/voltage monitors, cleaned both the condenser and evaporator coils and installed hoods over the condenser fans to help prevent the hot discharge air from recirculating back into the inlet of the condenser coil. We've recently experienced two refrigerant leaks, one of which we lost a gallon of oil, the probable culprit of the last failed compressor. The line set for this unit goes underground, which makes it difficult to bring oil back to lubricate the compressor.

In addition, we do not have any way to control the CO2 levels in the conditioned space, resulting in poor Indoor Air Quality.

I feel the best solution in this application would be to replace the condensing section with a Trane CGAM scroll air cooled chiller. A chiller would eliminate the oil return problems we now face. It would have two independent refrigerant circuits, which would allow us to provide 50% cooling if one circuit was down for maintenance. With the unit located right next to the school, the chiller's sound level should also be taken into consideration.

The old dx air handler would be replaced with one that had a chilled water evaporator coil and a hot water coil for heat. I would also upgrade our outside air capabilities, controlled by CO2 levels, to improve the Indoor Air Quality. We would need to increase the tonnage of this equipment to take on the additional heat load created by bringing in more outside air. We have obtained a quote from Johnston Engineering Company to provide a Pre-Design Report and Performance Specifications to investigate and replace an air cooled condenser and air handler with dx coil at Taft Elementary School. The cost for this engineering is \$9,350.00 and the District is willing to pay for this cost when this project is approved by the AZSFB.

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	\$20,000.00
--	-------------

Please outline any associated insurance coverage.

Warranty is over and failure is not due to theft, vandalism, or wind, therefore, it is not covered by insurance.

Liaison: Cruse

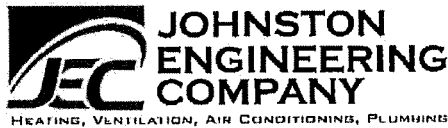
pcruse@azsfb.gov

602-364-1193

Michael B. Cowan
Superintendent Printed Name

Michael B. Cowan
Superintendent Signature

8/5/14
Date



DATE OF AGREEMENT July 31, 2014

CLIENT Mesa Public Schools
Attention: Todd Poer
63 East Main Street
Mesa, AZ 85201

CONSULTANT Johnston Engineering Company
9777 North 91st Street, Suite 100
Scottsdale, Arizona 85258

PROJECT Taft Elementary School Multi-Purpose Room P-4083
Mechanical System Replacement
Pre-Design Report and Performance Specifications

PRIME AGREEMENT Architectural and Mechanical Engineering Services
Contract 13-22 RFQ

CLIENT AND CONSULTANT AGREE TO THE FOLLOWING:

- A. The terms and conditions the Standard form of Agreement Between Architect / Engineer and Owner, Mesa Unified School District.
- B. The scope of services of the Consultant are for a pre-design report and performance specifications to investigate and replace an air cooled condenser and air handler with dx coil at Taft Elementary School. The scope includes a pre design report and performance specifications for: (1) site visit; (2) a pre-design report; (3) construction performance specifications; and (4) limited construction administration during construction. Performance specifications will be passed on to three contractors for price quotes.
- C. No claims for additional service compensation will be allowed by Client unless Consultant provides Client with a written proposal for such services and said proposal is signed by an authorized representative of Client prior to any such work being commenced.
- D. Direct costs mileage, deliveries, etc., shall be part of the basic contract and shall be billed in addition to labor costs at cost.
- E. Consultant shall invoice Client at the completion of each phase of project, or monthly which ever comes first. Payment shall be 30 days net.

- F. Compensation for the services provided by Johnston Engineering shall be on a fixed fee basis as follows.

TABLE 1.

PERFORMANCE SPECIFICATION SERVICES TAFT ELEMENTARY SCHOOL					
Activity	Task Description	Principal Engineer	Project Manager	Mech. Designer	\$ Fixed Fee
Pre-Design	Field Investigation	-	4	-	\$380.00
	Load Calculations	-	2	-	\$190.00
	Pre-Design Report	2	6	-	\$870.00
Performance Specifications	M0.1 Symbols, Sch. Det	1	8	-	\$910.00
	M0.2 Performance Specs	2	8	-	\$1,060.00
	M0.3 Mech Diagram & I/O Summaries	1	8	-	\$910.00
	M2.1 Mech Floor Plan	2	8	-	\$1,060.00
	Electrical Engineering	-	-	-	\$1,750.00
Construction Administration (Limited)	(2) Site Visits During Construction	-	8	-	\$760.00
	Office Engineering During Construction	1	8	-	\$910.00
	Electrical Shop Drawings	-	-	-	\$300.00
	Direct Costs	-	-	-	\$250.00
TOTAL FEE		9	60	0	\$9,350.00

Additional services, such as additional trips or construction management, can be performed at the following hourly rates:

Principal Engineer	=	\$150/HR
Project Manager	=	\$95/HR
Mechanical Designer	=	\$75/HR

- G. The Consultant agrees to maintain professional liability insurance with minimum limits of \$1,000,000 each claim and annual aggregate; maximum \$5,000 deductible each claim.
- H. The Consultant agrees to complete all work in accordance with a schedule mutually agreed upon between Consultant and Client at the time this agreement is signed.

I. This proposal is based on the following assumptions:

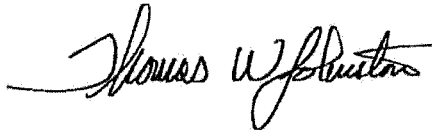
General

1. Mesa Public Schools will make available the as built existing drawings for the project.
2. Work will be completed by mutually agreeable schedule.
3. Name of project related contact persons responsible for mechanical, and controls systems related to this scope of work. (Todd Poer (928) 595-1400)
4. Engineer will coordinate with the District to manage the design activities.
5. Engineer will prepare performance specifications in 8-1/2 inch by 11 inch format sketches and specifications for purposes of this project.
6. Construction administration is limited, see table.
7. Engineer will specify phase protection on all equipment.
8. Engineer will specify equipment considering low sound levels.
9. Engineer will specify Trane air cooled chiller.

This Agreement entered into as of the day and year first written above. Johnston Engineering shall begin work after one originally signed copy of this agreement is received.

JOHNSTON ENGINEERING COMPANY

MESA PUBLIC SCHOOLS



Thomas W. Johnston, P.E.
President

Signature _____

Printed Name _____

Title _____

Date _____

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
X Building Renewal Grant Fund

District: **Thatcher Unified**
BRG Project Number: **050204102-1001-001BRG**
Project Description: **Repair structural beam**
Architect of Record: **Broderick Engineering, LLC (520-887-9416)**
Contractor: **TBD**

Graham County

Executive Authority: 8/5/2014
Board Approval: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost: (cost estimate provided by architect or contractor)		\$ 3,605
Contingency ①		\$ 1,000
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 4,605
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 4,605
Total Project Cost:		\$ 4,605

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: 7/30/2014 3:13:53 PM

Application ID: 1400

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: Thatcher Unified District
Superintendent: Paul Nelson
Contact Person: Gary Mangum
Contact Phone Number: 928-348-7214
Contact Email: mangum.gary@thatcherud.org
School Site: Thatcher Middle School
Buildings: 1001 Middle School

Application Title: Structural Beam Failure

Description of Problem

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

Structural beam for roof over the library has longitudaually causing the roof and ceilings to sag.

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

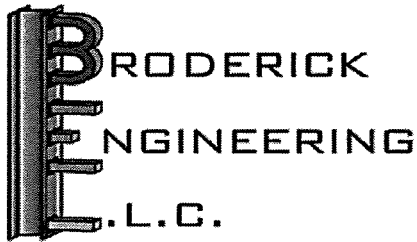
gbreuer@azsfb.gov

602-542-6139

Paul Nelson
Superintendent Printed Name

Paul Nelson
Superintendent Signature

7-30-14
Date



Civil & Structural Engineering Consulting
August 4, 2014

Mr. Scott Beck, AIA, REFP
NTD ARCHITECTURE
668 N. 44th Street, Suite 300
Phoenix, AZ 85008

Attn: Mr. Scott Beck

Re: Thatcher Elementary Beam fix and investigation

Dear Scott;

Per your request, we are submitting the proposal to visit the site to access the condition of the existing wood beam that has failed, and evaluate the remaining wood beams.

Project Scope:

The existing school roof system consists of a panel roof framing system. One beam has failed and is being shored. We will visit the site to access the condition of the beam and provide a fix for the beam that has failed. We will also access the condition of the remaining wood beam, give a report and provide a fix detail as required.

1. Structural design and calculation for the above mention project.
2. Structural notes and structural drawings.

Services that will not be performed under this agreement include:

1. Securing of permits, variances, etc.
2. Soils investigations.
3. Material sampling or testing.
4. Cost estimates.
5. Quantity take-offs.
6. Site surveys, topographic studies, etc.

Our Structural Fee for the above mention items:

6859 E. Rembrandt Ave. #124 • Mesa, Arizona 85212 • 480.926.6333 • Fax 480.926.3999
3275 W Ina Road; # 211 • Tucson, Arizona 85741 • 520.887.9416 • Fax 520.887.9486

Thatcher Elementary Beam fix and investigation

8/4/2014

Page 2

Construction Documents (beam Fix for broken Beam)	\$ 1,105
Construction Documents (Beam investigation, Report & Fix)	\$ 2,500
Special inspections	Hourly + mileage

Additional Service Hourly Rates (change in scope, etc.)

Principal Engineer	\$130
Engineering Manager	\$110
Senior Engineer	\$110
Project Manager	\$ 90
Project Designer	\$ 80
Special Inspector	\$ 60
Drafter	\$ 65
Clerical	\$ 40
Mileage	\$0.60/mile

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

Sincerely,
Broderick Engineering LLC

Accepted this day of ,2014



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


Signature

Title

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.



8/4/14

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

Date

Signature of Client/Title

Date

<p style="text-align: center;">STATE OF ARIZONA SCHOOL FACILITIES BOARD</p>

Meeting date: September 3, 2014

Agenda Item VI.d.

Subject: VI. Building Renewal Grant Requests

- d. 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 \$30,000 for professional evaluation) and supplemental award**

Cave Creek Unified

Background – Cave Creek Unified (Cactus Shadows HS – replace chiller)

Cave Creek Unified has submitted a Building Renewal Grant request for the replacement of the 500-ton chiller that has failed at Cactus Shadows High School (project number 070293204-9999-003BRG).

Cave Creek Unified, located 30 miles north of downtown Phoenix, has ten schools. Cactus Shadows High School is comprised of 21 buildings constructed between 1985 and 2013, totaling 235,239 square feet.

The district received a proposal for the engineer's investigation services in the amount of \$3,000.

Since the Executive Authority to award \$3,000 for the investigation, the engineer has completed the investigation and submitted a proposal for design services, testing, construction administration and a construction estimate.

Executive Authority 8/19/2014

Investigation	\$3,000
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Supplemental request

Mechanical/electrical design services	\$21,000
Construction administration fees	\$6,800
Estimated construction costs	\$378,402
<u>Contingency</u>	<u>\$45,584</u>
Total supplemental funding requested	\$451,786

Total project cost	\$454,786
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Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Cave Creek Unified (Cactus Shadows HS – replace chiller)

Staff recommends that Cave Creek Unified be awarded \$454,786 in Building Renewal Grant funding to investigate and to replace the 500-ton chiller at Cactus Shadows High School (project number 070293204-9999-003BRG). This includes \$45,584 in contingency that will only be used with SFB staff approval.

Board Action Requested: ☐ information ☒ action / described below

Board approval of the staff recommendation that **Cave Creek Unified** be awarded \$454,786 in Building Renewal Grant funding to investigate and to replace the 500-ton chiller at Cactus Shadows High School (project number 070293204-9999-003BRG). This includes \$45,584 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: **Cave Creek Unified**
BRG Project Number: 070293204-9999-003BRG
Project Description: **Replace chiller**
Consultant: Kelly Wright & Assoc., PC (520-887-1919)
Contractor: TBD

Maricopa County

Executive Authority: 8/19/2014
Board Ratification: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 378,402
Contingency ①		\$ 45,584
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ 30,800
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ 30,800
Total SFB Funded Project Cost:		\$ 454,786
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 454,786
Total Project Cost:		\$ 454,786

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 8/4/2014 12:04:27 PM

Application ID: 1415

Resubmittal Date: 8/18/2014 2:18:46 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: Cave Creek Unified District

Superintendent: Debbie Burdick

Contact Person: John Muir

Contact Phone Number: 602 618 6126

Contact Email: jmuir@ccusd93.org

School Site: Cactus Shadows High School/PSH

Buildings: 9999 School Wide

Application Title: 500 ton chiller

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.

500 ton chiller at #1 North Plant had VSD (variable speed drive) Pole Assembly Failure. At this time the chiller is not operational.

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

Superintendent Printed Name

Superintendent Signature

Date



PROPOSAL

Project Name: Cactus Shadows High School Chiller Assessment
Project Address: 5802 E. Dove Valley Road
Scottsdale, Arizona
Job Number: 14068
Date: August 19, 2014
Client: Cave Creek Unified School District #93
33016 N. 60th Street Scottsdale, AZ 85266
Engineer: Kelly, Wright & Associates, P.C.

Project Description:

Investigate existing 500 ton chiller installation and provide recommendation for repair / replacement as necessary. This project is an assessment phase only and will result in a report. A construction documents and construction administration phase project will follow this one.

Scope of Basic Services:

GENERAL:

- Engineer will review existing drawings provided by the Client.
- Engineer will perform a minimum of one site visit to verify obvious existing conditions. Timing will be at Engineer's discretion and coordinated with Client.
- Preparation of one estimate of Engineer's opinion of construction cost are included. Estimates shall not be assumed to be related to the actual cost of construction.
- Prepare report summarizing findings at each site, suggested corrections and estimated costs.

HVAC, Plumbing and Fire Protection Design:

- No scope for this project - Design scope pending results of the survey phase (this project).

Construction Administration: No scope for this project - To be determined after survey phase (this project).

Commissioning: No scope anticipated.

Assumptions:

- Creation of construction documents not included in this phase. No drawings or specifications required.
- Life Cycle Reports, System Comparison Reports, Feasibility Studies, and similar documents are not included.

Deliverables:

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

Compensation for Basic Services:

The Engineer will be compensated for the basic services based on a fixed fee basis of three thousand dollars (\$3,000).

Client's Responsibility:

- The Client shall make available to the Engineer full information on the Client's intent with regard to the project's requirements.
- The Client will keep the Engineer advised of any changes to the project requirements that may affect the Engineer's work.

5250 EAST PIMA STREET #121, TUCSON, AZ 85712 (520) 887-1919 FAX (520) 696-0280

WWW.KWMECH.COM

- The Client shall provide architectural, civil, structural, electrical, and other consultant's drawings, design information, and/or documents to the Engineer for review and use during the project design.

Additional Services:

- Services and/or consultation not specified and/or in excess of those indicated in the Scope of Basic Services.
- Revisions to previously approved drawings and documents.
- Client requested field trips will be billed at eight hundred dollars (\$800) per trip.

Reimbursable Expenses:

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

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

Hourly Rates:

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

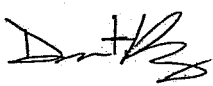
Other Conditions:

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

prepared by Engineer and electronic files, the signed and stamped or sealed hard copy construction documents shall govern. In addition, Client agrees, to the fullest extent permitted by law, to indemnify and hold harmless Engineer, its officers, directors, employees, agents and subconsultants against all damages, liabilities or costs, including reasonable attorneys' fees, court costs and defense costs, arising from the use of the electronic files.

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

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



Digitally signed by Donovan
Kelly
Date: 2014.08.19 11:16:59
-07'00'

Donovan F. Kelly, P.E.
President

Accepted By:
Cave Creek Unified School District #93

Client Signature

Printed Name and Title

Chiller Assessment at Cactus Shadows High School Cave Creek Unified School District #93

Project Location:

5802 East Dove Valley Road
Scottsdale, Arizona

August 25, 2014



www.kwmech.com
KWA PROJECT NO. 14068

EXECUTIVE SUMMARY

It is the recommendation of this report that the existing water cooled chiller at this school be replaced with a similar sized water cooled chiller.

Mechanical costs related to this project include:

- The Engineer's estimated probable mechanical cost of construction is \$424,000. Refer to Appendix 1 for breakout of costs.
- The Engineer's proposed fee for the mechanical engineering services and electrical testing services related to the design of the project is \$21,000.
- The Engineer's proposed fee for the mechanical engineering portion of the construction administration services is \$6,800.

EXISTING CONDITIONS

This project involves one chiller in a multiple chiller plant that serves Cactus Shadows High School, the performing arts complex and an unoccupied middle school. The central plant includes three operating water cooled chillers: CH-1 = 500 tons, CH-2 = 400 tons, CH-3 = 150 tons. CH-1 has failed and is the focus of this assessment. CH-1 and CH-2 are a variable speed (VFD) driven York centrifugal chillers. CH-1 was installed in 2000. CH-2 was installed in 1995. CH-3 is a R-11 machine that has been converted to a newer refrigerant and remains as part of the system for back-up purposes only (CH-1 and 2 normally handle the load). Because CH-1 is off-line, CH-3 is running with CH-2 to attempt to handle the load.

PROBLEM DEFINITION AND PROPOSED CORRECTION

Since this chiller is the largest of the central plant and the plant serves multiple sites, it is critical to the operation of this system and should be repaired or replaced as soon as possible. The school has service records for this chiller indicating that the three pole assemblies (part of the VFD system) have been changed out at least six times since the first failure in 2005. The only reasonable repair option we see for this chiller would be to replace the entire Opti-speed VFD system. It is our understanding that the poles in the VFD assembly may have been weakened due to failures of the other poles. We believe that replacing the entire assembly is a better investment too. It costs approximately \$25,000 for each pole replacement (there are three). The entire assembly is estimated to cost around \$100,000. For comparison, the new chiller alone is estimated to cost around \$150,000. Installing a new chiller provides two significant benefits: (1) increased system efficiency and (2) it re-sets the life expectancy clock on the plant. Since the 400 ton chiller is older than this machine, it is expected to require replacement in the near future. By installing a new 500 ton chiller at this time, it minimizes the risk of both chillers being down at the same time and allows a more comfortable change-out schedule for the 400 ton machine.

ELECTRICAL SYSTEM EVALUATION

The district feels that "dirty power" has caused the CH-1 pole failures. This makes sense with the information we have thus far from the York (JCI) rep. Therefore, we feel it is appropriate to thoroughly investigate the existing electrical system. We will have a professional electrical engineer and an electrical contractor survey the system and offer recommendations based on the findings. We propose the following electrical survey scope:

1. Electrical contractor will inspect the electrical service equipment and distribution to the chiller connections. He will look for loose/hot connections, visual indication of insulation damage, and any other anomaly.
2. Contractor will install a multi-channel recording power meter for at least a month to monitor for power transients that are outside of standard requirements from the utility.
3. Registered professional electrical engineer will review specifications of proposed chiller to see if it contains recommended protective options.
4. Registered professional electrical engineer will provide supervision of electrical contractor and review metering results.

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST
1	Demo existing 500 ton W/C chiller	1.0	EA	\$ 9,756	\$ 9,756
2	New 500-ton water cooled chiller	1.0	LS	\$ 217,600	\$ 217,600
3	Install new water cooled chiller	1.0	LS	\$ 46,000	\$ 46,000
4	Misc. piping (10" sch 40 steel, grooved)	60.0	LF	\$ 146	\$ 8,760
5	Piping insulation (fiberglass 2" thick on 10" pipe)	40.0	LF	\$ 25	\$ 980
6	New refrigerant leak detection system	1.0	LS	\$ 6,000	\$ 6,000
7	Controls (connect new chiller to existing system)	1.0	LS	\$ 4,000	\$ 4,000
8	Demo and repair frame wall to accommodate chiller movement thru building	300.0	SF	\$ 15	\$ 4,500
9	Water treatment	1.0	LS	\$ 3,100	\$ 3,100
10	Test and balance	1.0	LS	\$ 3,200	\$ 3,200
A.	SUBTOTAL CONSTRUCTION COST				\$ 303,896
B.	Contingency	15.0%	of Line A		\$ 45,584
C.	General Conditions, project management	10.0%	of Line A+B		\$ 34,948
D.	Tax (local sales tax)	7.85%	of Line A+B+C		\$ 30,178
E.	Insurance	1.0%	of Line A+B+C+D		\$ 4,146
F.	SUBTOTAL CONSTRUCTION COST INCLUDING MARK-UPS				\$ 418,751
G.	Bond	1.25%	of Line F		\$ 5,234
H.	TOTAL CONSTRUCTION COST ESTIMATE				\$ 423,986

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

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

[illegible]

Chiller Assessment: Cactus Shadows High School



Photo 2: Existing CH-1 on right, CH-2 to left. Note lack of opening to move CH-1 in/out of the mechanical room. The wall behind the photographer in this photo is masonry.

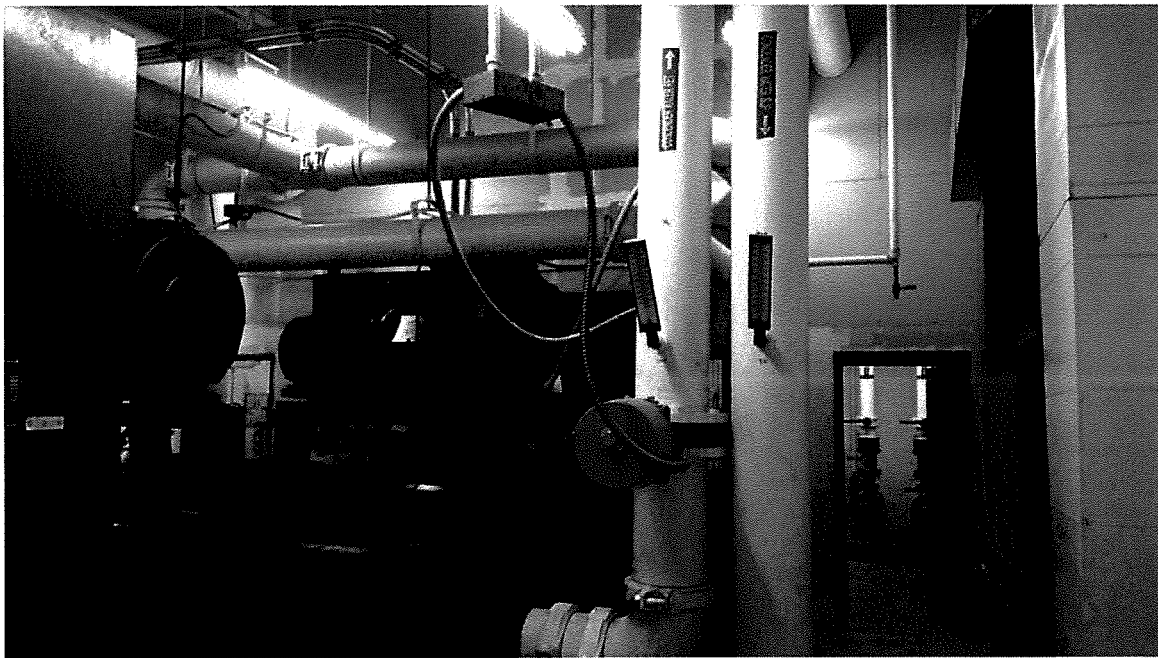


Photo 3: Existing CH-2 in foreground, CH-1 behind.

Chiller Assessment: Cactus Shadows High School

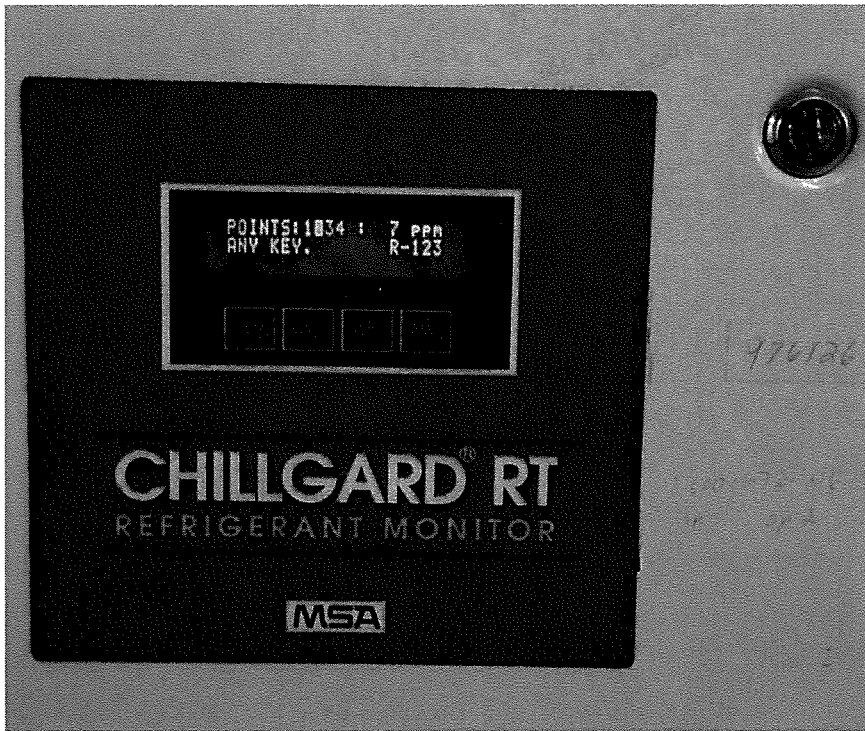


Photo 4: Existing refrigerant monitor. Note that this detector is rated for R-123 only.

**STATE OF ARIZONA
SCHOOL FACILITIES BOARD**

Meeting Date: September 3, 2014

Agenda Item VI.e.

Subject: VI. Building Renewal Grant Requests

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

**Joseph City Unified
Lake Havasu Unified (4 requests)
Mohave Valley Elementary**

Background – Joseph City Unified (Joseph City HS – HVAC renovations)

On June 11, 2014, the Board awarded Joseph City Unified \$31,350 for professional services to renovate the HVAC system in the pool house Building 1007 at Joseph City High School (project number 090202002-1007-002BRG). Additionally, on June 11, 2014, the Board awarded \$119,919 for the remediation of the existing mold in the building. The remediation is continuing.

Joseph City Unified, located 80 miles east of Flagstaff has two schools. Joseph City High School was constructed between 1973 and 2010, totaling 125,646 square feet. Building 1007 was built in 1973, totaling 14,718 square feet.

The district procured engineering services for the design of the HVAC system and the engineer's estimate for the construction costs is \$321,703.

<u>Initial award 6/11/2014</u>	<u>\$ 31,350</u>
Total requested to date	\$ 31,350

Supplemental request	
Estimated construction costs	\$321,703
<u>Contingency</u>	<u>\$32,171</u>
Total supplemental funding requested	\$353,874

Total project cost	\$385,224
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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 - Joseph City Unified (Joseph City HS – HVAC renovations)

Staff recommends that Joseph City Unified be awarded an additional \$353,873 in Building Renewal Grant funding for HVAC renovations on Building 1007 at Joseph City High School (project number 090202002-1007-002BRG). This includes \$32,171 in contingency that will only be used with SFB staff approval and brings the total project cost to \$385,224.

Background – Lake Havasu Unified (Lake Havasu HS – repair showers) Request 1 of 4

On June 11, 2014, the Board awarded Lake Havasu Unified \$1,250 in Building Renewal Grant funding to assess and survey the condition of the existing showers in the gymnasium Building 1010 at Lake Havasu High School (project number 080201207-1010-003BRG).

Lake Havasu High School consists of ten buildings constructed between 1969 and 2003, totaling 272,074 square feet. Building 1010 was constructed in 2001, totaling 43,856 square feet.

Initial award 6/11/2014	\$ 1,250
Total requested to date	\$ 1,250

Supplemental request	
Architectural/engineering design/bid services	\$ 9,790
Construction administration fees	\$ 4,500
Estimated construction costs	\$120,400
Contingency	\$6,810
Total supplemental funding requested	\$141,500

Total project cost	\$142,750
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Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Lake Havasu Unified (Lake Havasu HS – repair showers)

Staff recommends that Lake Havasu Unified be awarded an additional \$141,500 in Building Renewal Grant funding for the design, engineering, bids, construction administration and estimated construction cost repair the showers in the gymnasium Building 1010 at Lake Havasu High School (project number 080201207-1010-003BRG). This includes \$6,810 in contingency that will only be used with SFB staff approval.

Background – Lake Havasu Unified (Thunderbolt MS – repair showers) Request 2 of 4

On June 11, 2014, the Board awarded Lake Havasu Unified \$1,250 in Building Renewal Grant funding to assess and survey the condition of the existing showers in the gymnasium Building 1001 at Thunderbolt Middle School (project number 080201102-1001-004BRG).

Thunderbolt Middle School is a two-story building constructed in 1994, totaling 183,694 square feet.

Initial award 6/11/2014	\$1,250
Total requested to date	\$1,250

Supplemental request	
Architectural/engineering design services	\$3,415
Construction administration fees	\$3,450
Estimated construction costs	\$23,485
Contingency	\$4,650
Total supplemental funding requested	\$35,000

Total project cost \$36,250

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 – Lake Havasu Unified (Thunderbolt MS – repair showers)

Staff recommends that Lake Havasu Unified be awarded an additional \$35,000 in Building Renewal Grant funding for the design, engineering, bids, construction administration and estimated construction cost to repair the showers in the gymnasium Building 1001 at Thunderbolt Middle School (project number 080201102-1001-004BRG). This includes \$4,650 in contingency that will only be used with SFB staff approval.

Background – Lake Havasu Unified (Nautilus ES – replace air cooled chiller) Request 3 of 4

On June 11, 2014, the Board awarded Lake Havasu Unified \$3,750 in Building Renewal Grant funding for the engineer's investigation and survey fee to replace the roof-mounted air cooled chiller on Building 1001 at Nautilus Elementary School (project number 080201105-1001-005BRG).

Nautilus Elementary School is a two-story building constructed in 1981, totaling 47,273 square feet.

Staff visited the site along with the district's architect/engineer, who has proposed the following costs.

Initial award 6/11/2014	\$3,750
Supplemental request	
Design/mechanical/electrical/structural engineering/bids	\$18,230
Construction administration costs	\$13,100
Estimated construction costs	\$283,774
Contingency	\$30,611
Total supplemental funding requested	\$345,715
Total project cost	\$349,465

Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation - Lake Havasu Unified (Nautilus ES – replace air cooled chiller)

Staff recommends that Lake Havasu Unified be awarded an additional \$345,715 in Building Renewal Grant funding for the design/engineering/bids, construction administration and estimated construction cost to replace the roof-mounted air cooled chiller on Building 1001 at

Nautilus Elementary School (project number 080201105-1001-005BRG). This includes \$30,611 in contingency that will only be used with SFB staff approval.

Background – Lake Havasu Unified (Thunderbolt MS – replace chiller and cooling tower)

Request 4 of 4

On June 11, 2014, the Board awarded Lake Havasu Unified \$1,250 in Building Renewal Grant funding to assess and survey the condition of the two 300-ton chillers, cooling towers, pumps, piping and electrical system on Building 1001 at Thunderbolt Middle School (project number 080201102-1001-006BRG).

Thunderbolt Middle School is a two-story building constructed in 1994, totaling 183,694 square feet.

The district architect/engineer submitted the following proposal and costs to replace the chiller and cooling tower:

Initial award 6/11/2014	\$1,250
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CHILLERS:

Supplemental request	
Architectural/engineering design services	\$19,995
Construction administration fees	\$11,350
Estimated construction costs	\$445,097
Contingency	\$25,907
Sub-Total supplemental funding requested CHILLER	\$502,349

COOLING TOWERS:

Supplemental request	
Architectural/engineering design services	\$10,590
Construction administration fees	\$9,750
Estimated construction costs	\$206,318
Contingency	\$12,589
Sub-Total supplemental funding requested COOLING TOWER	\$239,247

Total supplemental funding requested	\$741,596
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Estimated total project cost	\$742,846
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Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation—Lake Havasu Unified (Thunderbolt MS – replace chiller and cooling tower)

Staff recommends that Lake Havasu Unified be awarded an additional \$741,596 in Building Renewal Grant funding for the design, engineering, bids, construction administration and estimated construction cost to replace the chillers and cooling towers on Building 1001 at Thunderbolt Middle School (project number 080201102-1001-006BRG).

Background – Mohave Valley Elementary (Mohave Valley JHS – replace package heat pumps)

On May 7, 2014, the Board awarded Mohave Valley Elementary \$5,000 in Building Renewal Grant funding to procure a mechanical and electrical engineer to assess the package heat pump units at Mohave Valley Junior High School (project number 080416103-9999-013BRG).

Mohave Valley Junior High School is comprised of three buildings constructed in 1998, totaling 55,292 square feet.

The engineers completed the assessment and have recommended that 16 out of the 27 units are in imminent danger of failing. Four units have already been approved for funding for replacement. The engineers have recently re-evaluated the units and recommended that the other 12 need be replaced due to various mechanical and electrical problems.

Initial award 5/7/2014

Investigation	\$3,000
Contingency	\$2,000
Total awarded to date	\$5,000

Supplemental request

Design/engineering/bids/construction administration	\$8,500
Structural	\$2,500
Estimated replacement costs	\$120,000
Contingency	\$10,000
Total supplemental funding requested	\$141,000

Total project cost \$146,000

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 JHS – replace package heat pumps)

Staff recommends that Mohave Valley Elementary be awarded an additional \$141,000 in Building Renewal Grant funding for the design/engineering/bids/construction administration, structural analysis and estimated cost to replace 12 package heat pump units at Mohave Valley Junior High School (project number 080416103-9999-013BRG). This includes \$10,000 in contingency that will only be used with SFB staff approval.

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

1. Board approval of the staff recommendation that **Joseph City Unified** be awarded an additional \$353,873 in Building Renewal Grant funding for HVAC renovations on Building 1007 at Joseph City High School (project number 090202002-1007-002BRG). This includes \$32,171 in contingency that will only be used with SFB staff approval and brings the total project cost to \$385,224.
2. Board approval of the staff recommendation that **Lake Havasu Unified** be awarded an additional \$141,500 in Building Renewal Grant funding for the design, engineering, bids, construction administration and estimated construction cost repair the showers in the gymnasium Building 1010 at Lake Havasu High School (project number 080201207-1010-003BRG). This includes \$6,810 in contingency that will only be used with SFB staff approval.
3. Board approval of the staff recommendation that **Lake Havasu Unified** be awarded an additional \$35,000 in Building Renewal Grant funding for the design, engineering, bids, construction administration and estimated construction cost to repair the showers in the gymnasium Building 1001 at Thunderbolt Middle School (project number 080201102-1001-004BRG). This includes \$4,650 in contingency that will only be used with SFB staff approval.
4. Board approval of the staff recommendation that **Lake Havasu Unified** be awarded an additional \$345,715 in Building Renewal Grant funding for the design/engineering/bids, construction administration and estimated construction cost to replace the roof-mounted air cooled chiller on Building 1001 at Nautilus Elementary School (project number 080201105-1001-005BRG). This includes \$30,611 in contingency that will only be used with SFB staff approval.
5. Board approval of the staff recommendation that **Lake Havasu Unified** be awarded an additional \$741,596 in Building Renewal Grant funding for the design, engineering, bids, construction administration and estimated construction cost to replace the chillers and cooling towers on Building 1001 at Thunderbolt Middle School (project number 080201102-1001-006BRG)
6. Board approval of the staff recommendation that **Mohave Valley Elementary** be awarded an additional \$141,000 in Building Renewal Grant funding for the design/engineering/bids/construction administration, structural analysis and estimated cost to replace 12 package heat pump units at Mohave Valley Junior High School (project number 080416103-9999-013BRG). This includes \$10,000 in contingency that will only be used with SFB staff approval.

Attachments: Yes [X] No []

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

District: **Joseph City Unified**
BRG Project Number: 090202002-1007-002BRG Navajo County
Project Description: HVAC renovations
Consultant: LSW Engineers (Robert J. Willcoxson 602-249-1320)
Contractor: TBD

Board Approval: 6/11/2014
Supplemental award: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 321,703
Contingency ①		\$ 32,171
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ 31,350
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ 31,350
Total SFB Funded Project Cost:		\$ 385,224
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 385,224
Total Project Cost:		\$ 385,224

① Contingency shall only be used with SFB staff approval.

Joseph City Jr. High / High School Pool Ventilation Survey and Assessment

Prepared For

Joseph City Unified School District

Bryan Fields
8176 Westover / P.O. Box 8
Joseph City, AZ 86032



LSW Project No. 2014-072.000

July 24, 2014



LSW Engineers
ARIZONA, INCORPORATED

2333 West Northern Avenue, Suite 9 . Phoenix, Arizona 85021 . Telephone 602.249.1320 . Facsimile 602.336.3276

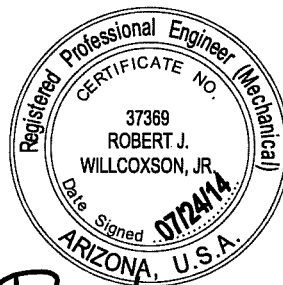
**Joseph City Unified School District
Joseph City Jr. High / High School
Pool Ventilation Survey and Assessment
LSW Project No. 2014-072.000**

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III.	Recommendations	3

APPENDICES

- A. Estimate of Probable Construction Costs
- B. Photos



Robert J. Willcoxson, Jr.
EXPIRES: 08/31/17

I. INTRODUCTION

I. INTRODUCTION

Joseph City Jr. High / High School located in Joseph City, Arizona was completed and first opened in 1973. Since that time, there have been several phases of construction, with the last construction phase occurring in 2009. The pool area is an enclosed structure on the south side of the campus. The initiation of this report was due to mold growth in the pool area.

The purpose of this study is as follows:

1. Review the age and observe the condition of the heating/ventilating units and the relief/exhaust fans.
2. Provide a report, engineering design and construction administration services to repair or replace equipment or systems that are found in need of replacement.
3. Provide recommendations to address any found deficiencies associated with the subject equipment.
4. Provide estimations of probable construction costs for implementation of recommended measures.

Information contained in this report was obtained from interviews with Facility staff, review of available record drawings, and physical observation of existing equipment.

II. FINDINGS AND OBSERVATIONS

II. FINDINGS AND OBSERVATIONS

Existing Air Handling Units

There are two indoor air handling units with hot water heat and no cooling. Based on the existing drawings, these air handling units were installed in 1973. The air handling units ductwork is tied together to operate as a single air distribution system. Per the facilities staff, these units have not operated for approximately 20 years.

Existing Exhaust Fans

There are two roof mounted exhaust fans with two exhaust grilles for each fan. Based on the existing drawings, these exhaust fans were installed at the same time as the air handling units. Per the facilities staff, these fans were recently serviced and were found to be in good working condition.

Existing Boilers

There are two gas fired boilers that provide hot water for the pool and space heating. Based on observations, these boilers were installed approximately November 2009. They were tested in January 2014 and were found to be in good working condition.

General System Operation

Originally the air handlers and exhaust fans were to operate as a single system. During warmer times of the year, the air handling units brought in outside air to ventilate the space. During colder times of the year, the air handling units' hot water coils heat the space. During both operations, the exhaust fans relieve the air.

Per the facilities staff, the system operation has been changed. As stated above, the air handling units have not operated for approximately 20 years. The two exhaust fans run continuously to ventilate the space. Make-up air is either brought in through the mechanical room or open doors. During the winter, the pool water temperature, approximately 84 degrees, has kept the space warm.

Per facilities staff, approximately in October 2013, the boilers were serviced and during this time the exhaust fans were shut off. Once the service was completed, the boilers were turned back on to heat the pool. The exhaust fans were not turned back on and as the pool was heated the humidity levels rose to unacceptable levels and promoted mold growth.

III. RECOMMENDATIONS

III. RECOMMENDATIONS

Refer to Table 1 (see Appendix A) for an estimate of probable construction costs to replace the air handlers, including engineering design and construction administration services.

Air Handling Units

Due to the age of the air handling units and non-operational for 20 years, we recommend they should be replaced. In addition, the Arizona School Facilities Board Rules & Policies require this room to be maintained between 68 and 82 degrees and CO2 levels less than 800 ppm above ambient.

To maintain these conditions, we recommend replacing the air handling units with pool dehumidification units. These units will have a hot water heating coil, a DX cooling coil and reheat for humidity control. The new condensing units will be placed on the Mechanical Room roof.

Exhaust Fans

Since these fans were recently serviced and were found to be in good working condition, they will be reused and integrated into the new control system.

General Control Sequence

A new automated control system will be provided for this project. Both air handlers and exhaust fans will operate as a single system with a single thermostat, humidistat and CO2 sensor to control the indoor conditions. During the heating or cooling season, only one exhaust fan will operate to relieve the outside air. During certain times of the year, when heating or cooling is not required, the air handling units will operate in the economizer mode with both exhaust fans operating..

END OF REPORT

APPENDIX A

ESTIMATE OF PROBABLE CONSTRUCTION COSTS

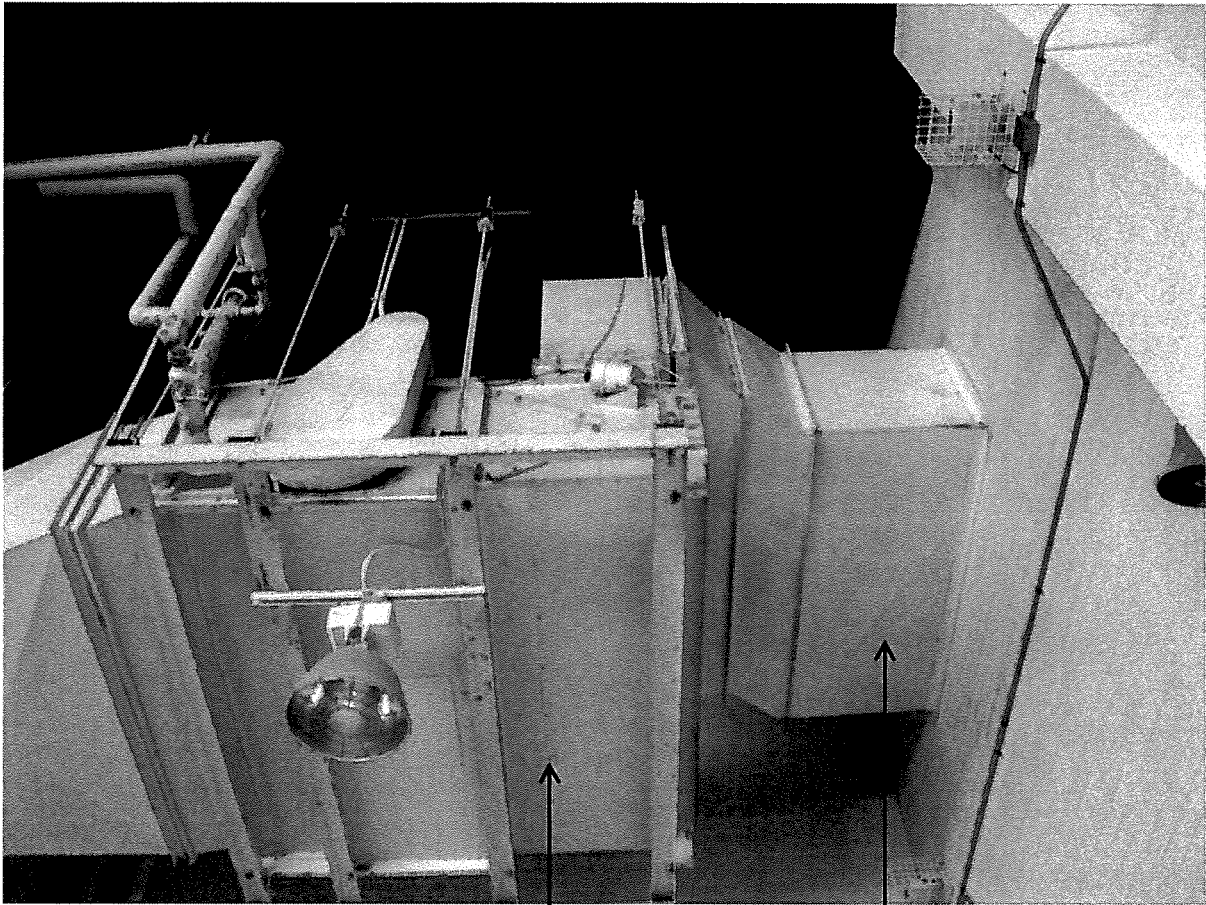


TABLE 1
ESTIMATE OF PROBABLE CONSTRUCTION COSTS

ITEM #	DESCRIPTION	ESTIMATED COST
1	DEMOLITION AIR HANDLING UNITS (2 UNITS)	\$12,000.00
2	NEW AIR HANDLING & CONDENSING UNITS & INSTALLATION (2 SYSTEMS)	\$180,000.00
3	HOT WATER PIPING INCLUDING INSULATION & INSTALLATION	\$1,800.00
4	REFRIGERANT PIPING INCLUDING INSULATION & INSTALLATION	\$7,900.00
5	CONDENSATE PIPING INCLUDING INSULATION & INSTALLATION	\$4,500.00
6	CONTROLS	\$5,000.00
7	ELECTRICAL	\$25,000.00
8	STRUCTURAL	\$6,000.00
	SUBTOTAL	\$242,200.00
	GENERAL CONTRACTOR @ 15%	\$36,330.00
	SUBTOTAL	\$278,530.00
	OVERHEAD @ 10%	\$27,853.00
	SUBTOTAL	\$306,383.00
	PROFIT @ 5%	\$15,319.15
	CONSTRUCTION SUBTOTAL	\$321,702.15
	CONTINGENCY @ 10%	\$32,170.22
	CONSTRUCTION TOTAL	\$353,872.37
	PROJECT TOTAL	\$353,872.37

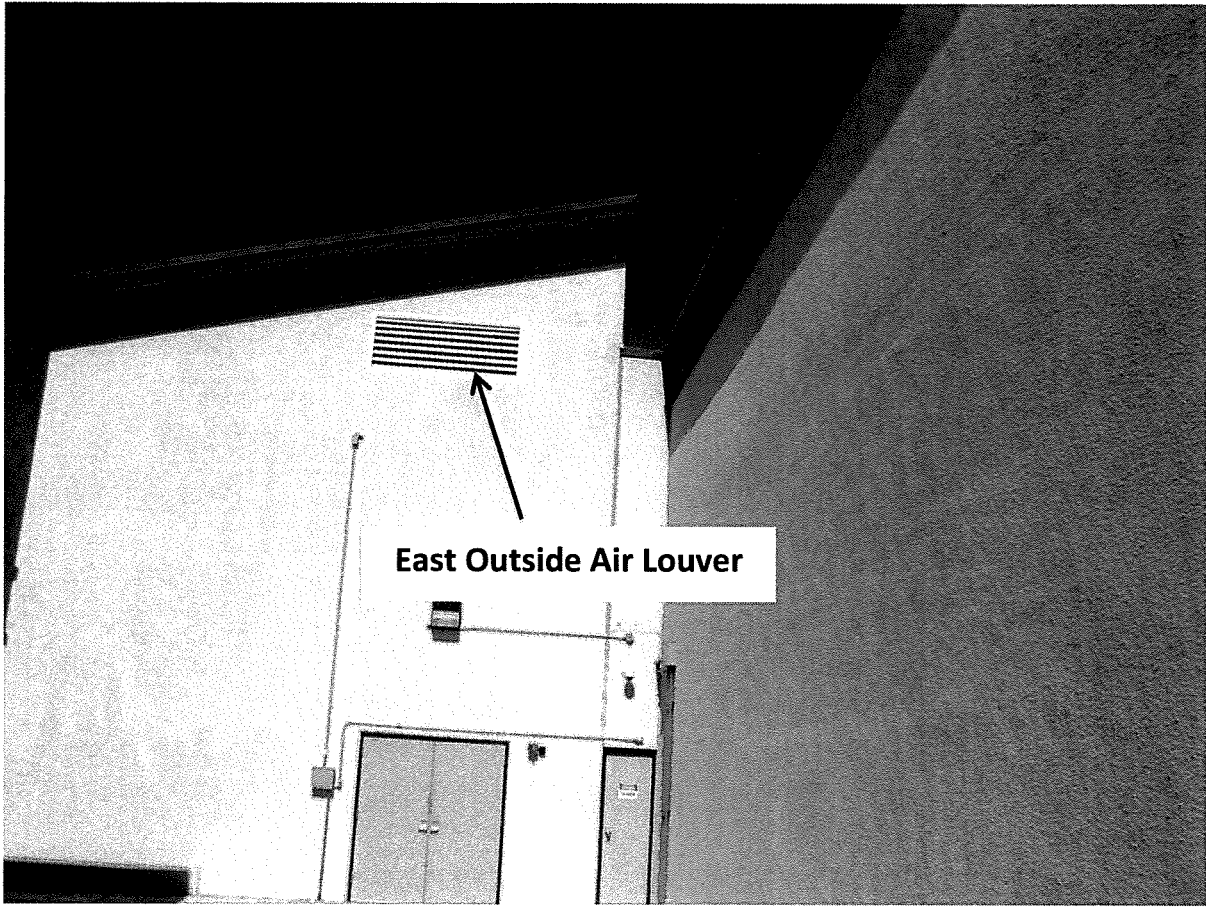
APPENDIX B

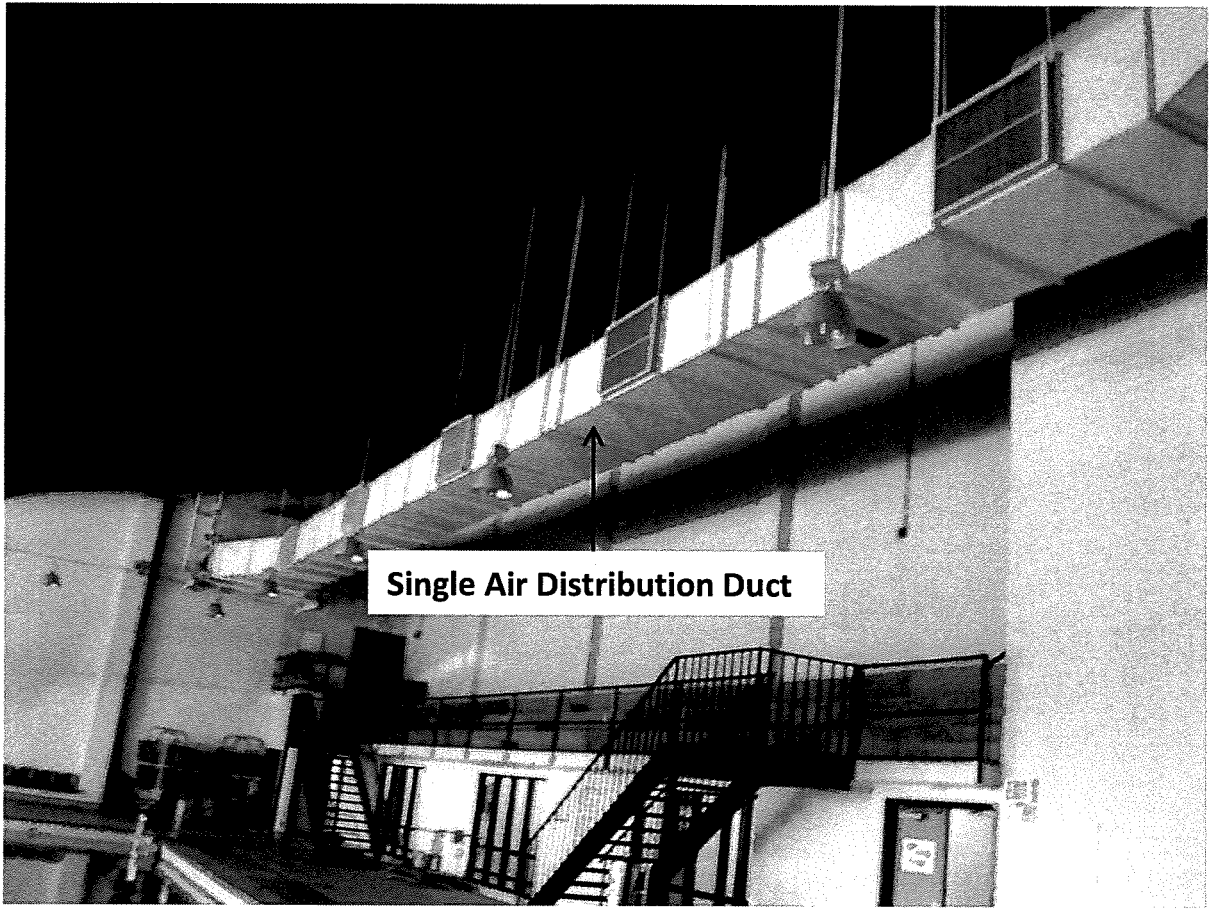
PHOTOS

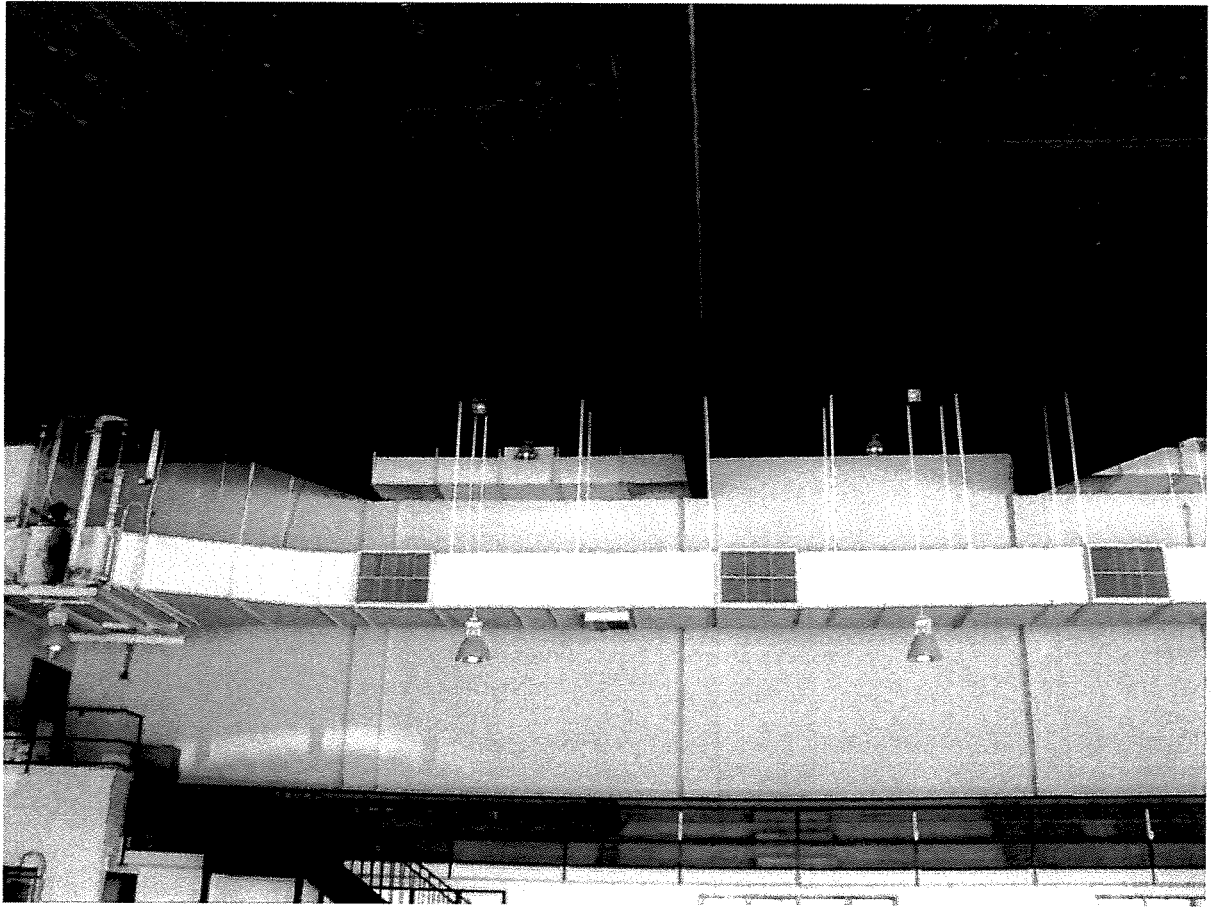


East AH Unit

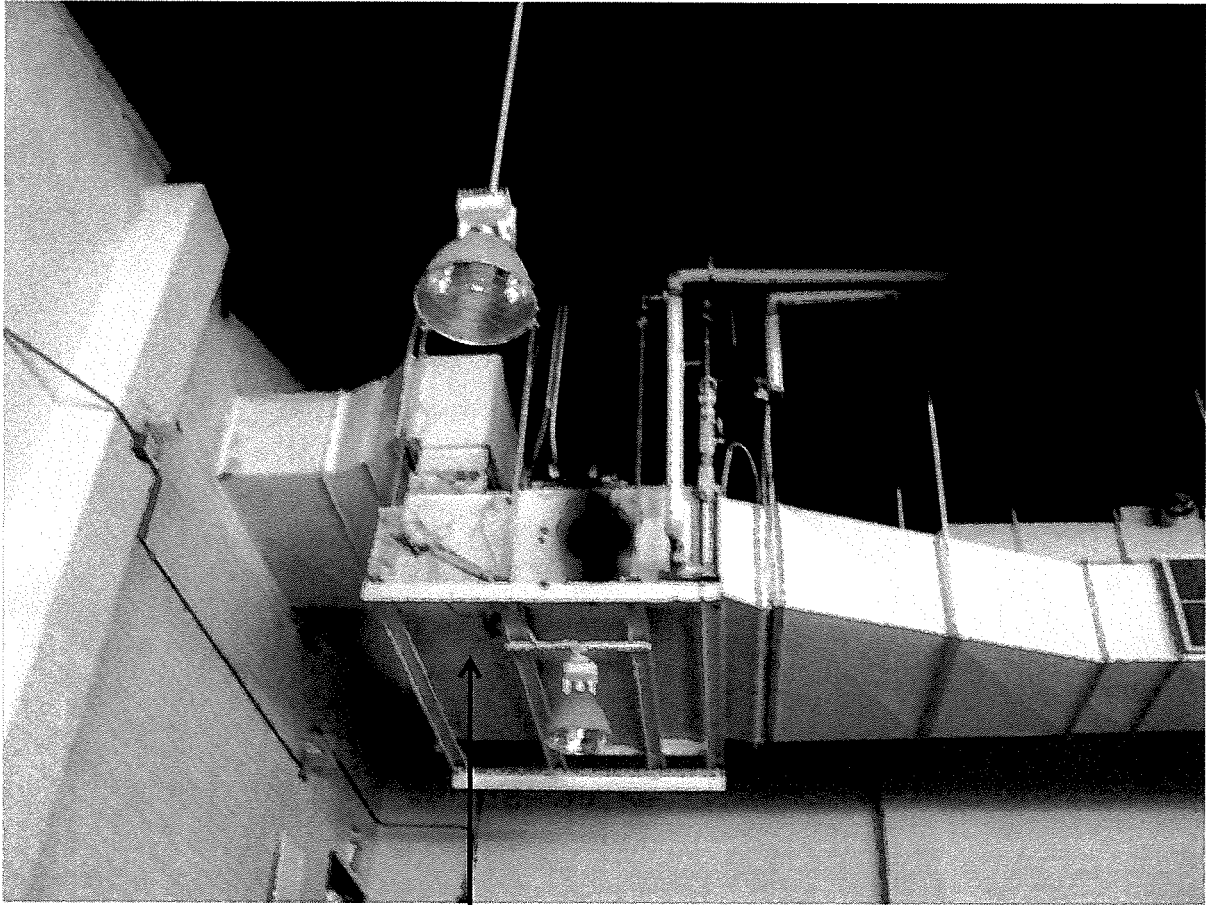
Outside Air Duct







Supply Air Registers



West AH Unit

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

District: **Lake Havasu Unified**
Project Number: **080201207-1010-003BRG**
Project Description: **Repair showers**
Architect of Record: **EMC2 (Richard Clutter 480-830-3838)**
Contractor: **TBD**

Mohave County

Board Approval: 6/11/2014
Supplemental award: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost		\$ 120,400
Contingency ①		\$ 6,810
Architecture / Engineering (A&E)		\$ 15,540
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection (structural and geo-tech)		\$ -
Total Additional Cost:		\$ 15,540
Total SFB Funded Project Cost:		\$ 142,750
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 142,750
Total Project Cost:		\$ 142,750

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

August 21, 2014



Architects + Planners, PC

Learning Places & Growing Spaces

Emc2 GROUP ARCHITECTS PLANNERS, PC
1635 North Greenfield Road

Suite 144
Mesa, AZ 85205

P 480 830 3838

F 480 830 3860

T 800 372 6849

www.emc2architects.com

Lake Havasu Unified School District #1
2200 Havasupai BLVD
Lake Havasu City, AZ 86403

RE: Lake Havasu Unified School District #1
Lake Havasu High School Boys & Girls OLD-NEW Showers-budget and fees
AZ SFB BRG #1315

Design scope-of-services and fees:

The design scope-of-services includes architectural project leadership and consulting mechanical-plumbing engineering services for the contracted maintenance and repair instructions for both Lake Havasu High School OLD & NEW gymnasium boys & girls showers.

Architectural coordination services:	\$ 2,990.00
Plumbing Engineering, design services:	<u>\$ 6,800.00</u>
Total Cost of Design Fees:	<u>\$ 9,790.00</u>

Construction Administration scope-of-service fees:

The construction administration scope-of-service is project administration for the construction phase, including the travel to Lake Havasu High School to observe and record shower column maintenance and re-plumbing of the High School's OLD & NEW boys and girls gymnasium showers, and incidental architectural coordination of shower floor and ceiling finish repairs:

Architectural CA:	\$ 1,500.00
Plumbing Engineering CA:	<u>\$ 3,000.00</u>
Total Cost of Construction Administration Fees:	<u>\$ 4,500.00</u>

Estimated Cost of Construction:

The estimated cost of construction is a proposed budget for maintenance and repairs of approximately 90 spray shower stations, and architectural finish repairs.

Architectural finish repairs:	\$ 25,000.00
Shower column repairs and spray heads:	<u>\$ 95,400.00</u>
Total Estimated Cost of Construction:	<u>\$120,400.00</u>

Total estimated Project Cost:	<u>\$134,690.00</u>
-------------------------------	---------------------

August 21, 2014

Lake Havasu Unified School District #1
2200 Havasupai BLVD
Lake Havasu City, AZ 8640



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RE: Lake Havasu Unified School District #1
High School Boys & Girls OLD & NEW Gymnasium Shower-Assessment
AZ SFB BRG #1315

The AZ SFB BRG #1315 High School Boy & Girls OLD-NEW showers assessment is composed of six (6) pages total. The Emc2 Group Architects Planners, PC assessment narrative for both the OLD and NEW showers (pages 1-3 of 5). The Emc2 Group Architects Planners, PC as-built sketches for both OLD and NEW showers (pages 4-5 of 5), and lastly the Emc2 Group Architects Planners, PC total project budgets and fees (page (1 of 1))

Lake Havasu High School OLD Gymnasium Showers Assessments:

The Lake Havasu High School existing OLD gymnasium boys & girls showers were designed and constructed approximately 45 years ago, in 1969. The existing OLD boys & girls gymnasium showers are original, unchanged or modified since original construction. The existing boys and girls OLD gymnasium showers are "group" type stainless steel shower columns with 5 shower positions on each shower column. Most shower positions are unusable. Both the existing mixing valves serving the boys and girls has leaked water in the wall. There are 6 total shower columns, 30 total spray showers.

The OLD boys & girls showers do not conform to the requirements of an International Building, Mechanical or Plumbing Code, and do not meet requirements of the 2010 American Disabilities Act (ADA) Standards for Accessible Design.

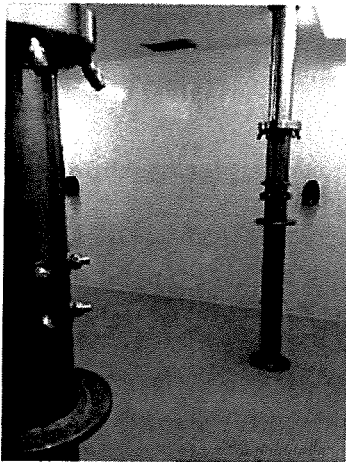
The existing stainless steel OLD shower columns in both the boys and girls showers are in fair condition. The stainless partitions in the girls showers are in fair condition. There are no shower curtains in the girls shower room. In isolated areas, the stainless steel is rusting. Floor ceramic tile at the shower column bases and drains is missing and the floor substrate is exposed to water. Numerous shower heads and control valves are missing. Lake Havasu Unified School District Facilities staff reports that the original cast iron drain pipe is slow due to interior build-up and rusting. Both boys and girls bathers are not isolated from adjacent shower spray of an adjacent bather due to the configuration of the showers.

Proposed Lake Havasu High School OLD gymnasium Showers Improvements:

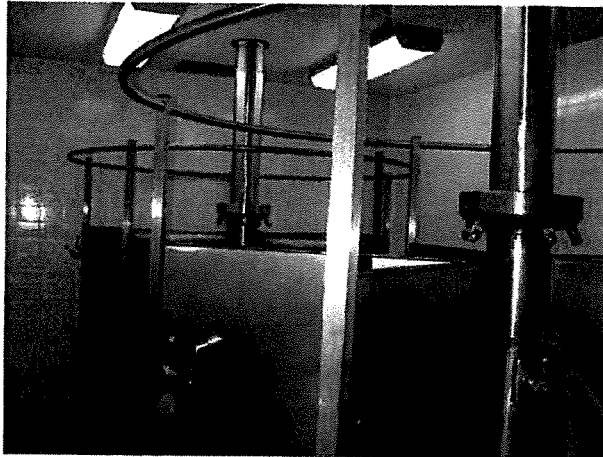
The scope-of-work of AZ SFB BRG #1315 is to maintain and repair the OLD boys & girls shower columns, replacing plumbing, replacing mixing valves, shower valves and shower spray heads, including repairing incidental shower architectural finishes, only.

No architectural modifications or replacement of the existing cast iron waste drains, or architectural facilities are in the proposed construction scope or associated fees of the AZ SFB BRG #1315. No code compliance Improvements will be pursued for ADA accessible improvements or architecturally managing isolation of adjacent shower spray or drain water pooling at the base of the shower column. Such architectural improvements are not accommodated in an AZ SFB Building Renewal Grant.

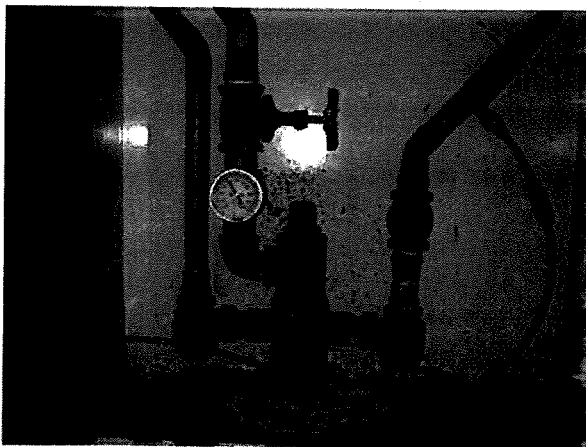
OLD Gymnasium Boys and Girls PHOTOGRAPHS:



Existing boys OLD shower



Existing girls OLD shower



Existing girls OLD shower mixing valve

Lake Havasu High School NEW Gymnasium Showers Assessments:

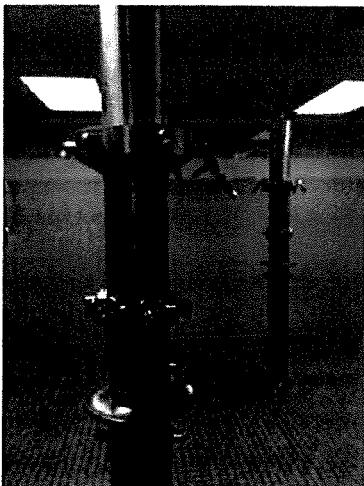
The NEW, Lake Havasu High School Gymnasium Boys & Girls showers were designed and constructed in 2001. The existing NEW boys & girls gymnasium showers are original, unchanged or modified. Both the existing NEW boys and girls showers are group style stainless steel column showers with 6 spray heads per column. There are 7 total shower columns and 5 wall shower units of 3 spray head per wall unit, 57 total spray showers.

The existing stainless steel NEW shower columns in both the boys and girls showers are in good condition. The stainless partitions in the girls showers are in good condition; however, numerous shower heads and control valves are missing in both the boys and girls showers. Most all shower positions are unusable. Additionally, boys and girls bathers are not isolated from adjacent shower spray of an adjacent bather due to the configuration of the showers.

Proposed Lake Havasu High School New gymnasium Shower Improvements:

The scope-of-work of AZ SFB BRG #1315 is to maintain and repair the NEW boys & girls shower columns, primarily replacing lost shower valves and shower spray heads. No incidental architectural finish repairs are required. Similarly, as in the OLD gymnasium showers, no architectural modifications will be pursued for ADA accessible improvements or updating building code compliances in the NEW gymnasium boys and girls showers. Such architectural improvements are not accommodated in an AZ SFB Building Renewal Grant.

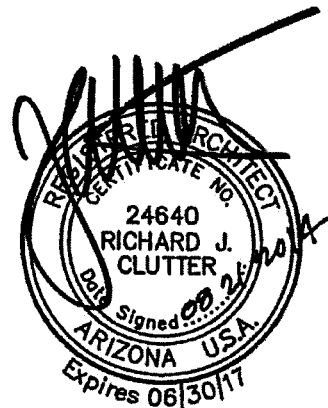
NEW Gymnasium boys and girls PHOTOGRAPHS:



Existing boys NEW shower



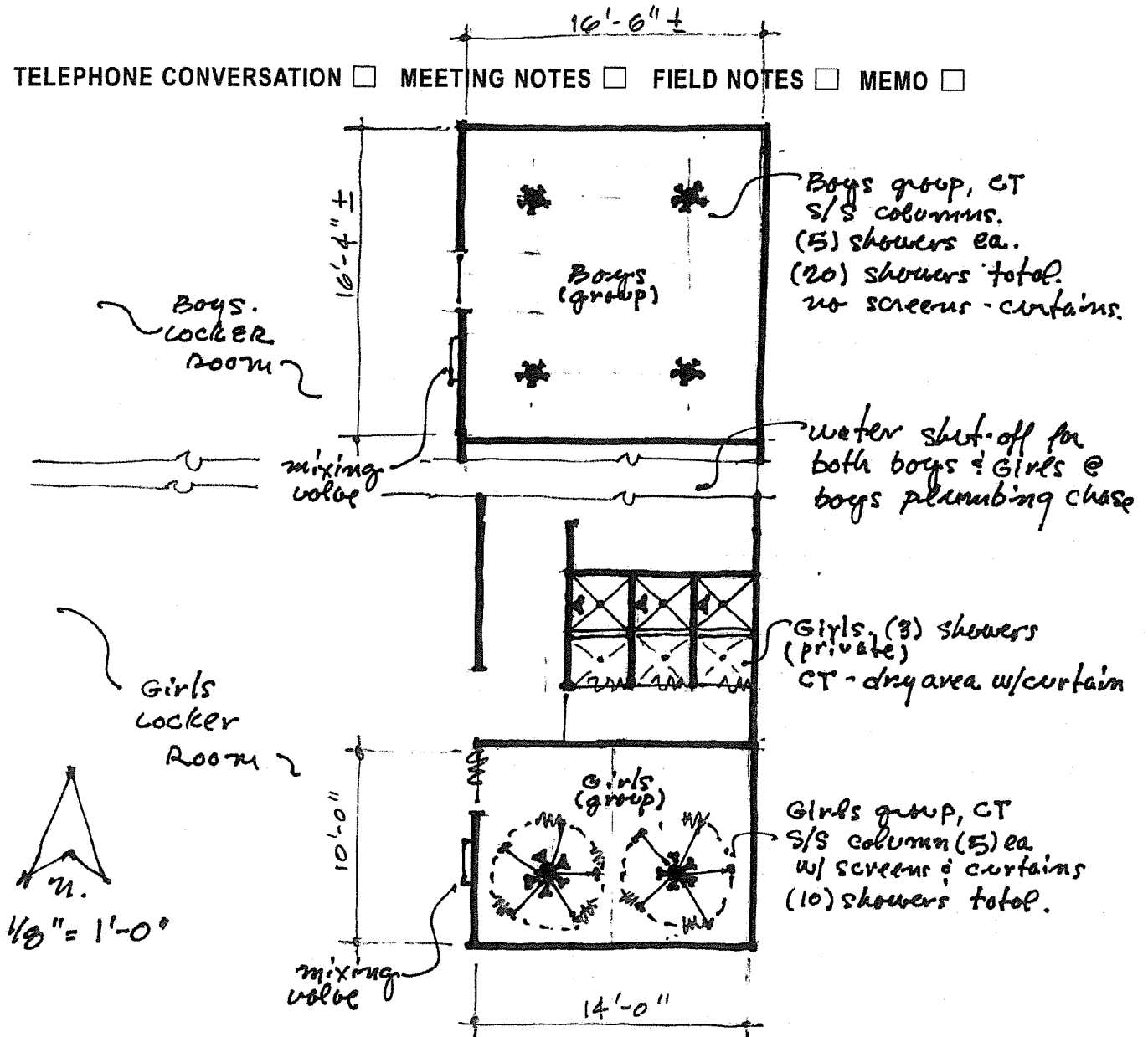
Existing girls NEW shower



PROJECT: BRG # 1315
 REGARDING: (e) existing HS old showers
 DATE: 08 05 2014
 TIME: _____
 ISSUED BY: TCU
 CONTACT: _____

Emc2
 Architects ■ Planners, PC

TELEPHONE CONVERSATION ☐ MEETING NOTES ☐ FIELD NOTES ☐ MEMO ☐

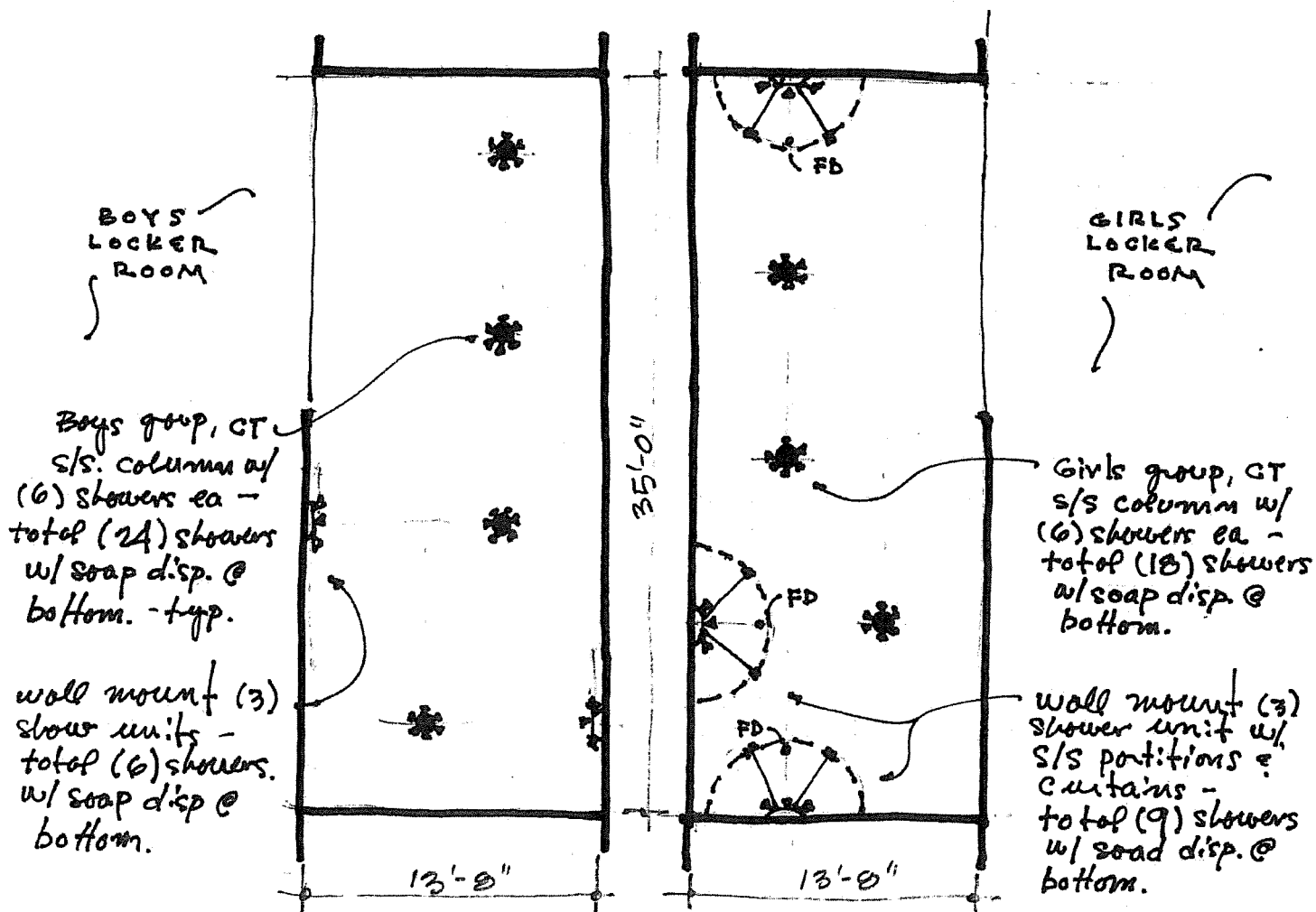


LAKE HAYASU UNIFIED SCHOOL DISTRICT.
 HIGH SCHOOL
 OLD GYMNASIUM.
 SHOWERS

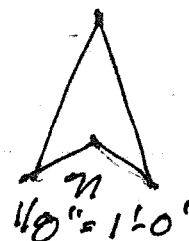
PROJECT: BRG #1315
 REGARDING: (e.) existing HS new showers.
 DATE: 02 05 2014
 TIME: _____
 ISSUED BY: (TD)
 CONTACT: _____

Emc2
 Architects ■ Planners, PC

TELEPHONE CONVERSATION ☐ MEETING NOTES ☐ FIELD NOTES ☐ MEMO ☐



LAKE HAVASU UNIFIED SCHOOL DISTRICT
 HIGH SCHOOL
 NEW GYMNASIUM
 SHOWERS



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

District: **Lake Havasu Unified**
Project Number: **080201102-1001-004BRG**
Project Description: **Repair showers**
Architect of Record: **EMC2 (Richard Clutter 480-830-3838)**
Contractor: **TBD**

Mohave County

Board Approval: 6/11/2014
Supplemental award: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost		\$ 23,485
Contingency ①		\$ 4,650
Architecture / Engineering (A&E)		\$ 8,115
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection (structural and geo-tech)		\$ -
Total Additional Cost:		\$ 8,115
Total SFB Funded Project Cost:		\$ 36,250
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 36,250
Total Project Cost:		\$ 36,250

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

August 21, 2014



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Lake Havasu Unified School District #1
2200 Havasupai BLVD
Lake Havasu City, AZ 86403

RE: Lake Havasu Unified School District #1
Thunderbolt Middle School SHOWERS-Budget & Fees
AZ SFB BRG #1317

Design fees:

The design scope-of-services includes architectural project leadership and consulting mechanical-plumbing engineering services in the design of the shower's hot water delivery system.

Architectural coordination services:	\$ 1,315.00
Plumbing Engineering, design services:	<u>\$ 2,100.00</u>
Total Cost of Design Fees:	<u>\$ 3,415.00</u>

Construction Administration fees:

The construction administration scope-of-service is project administration during the construction phase to include the plumbing engineer's travel to Thunderbolt Middle School to observe and record the re-plumbing of the shower's hot water system, and incidental architectural coordination of building finish repairs:

Architectural CA:	\$ 750.00
Plumbing Engineering CA:	<u>\$ 2,700.00</u>
Total Cost of Construction Administration Fees:	<u>\$ 3,450.00</u>

Estimated Cost of Construction:

The estimated cost of construction is a proposed budget for re-construction of the shower's hot water delivery system and architectural finish repairs.

Architectural finish repairs:	\$ 8,000.00
Plumbing repairs & replacements:	<u>\$ 16,578.00</u>
Total Cost of Construction:	<u>\$ 24,578.00</u>

Total estimated Project Cost:	<u>\$ 31,443.00</u>
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August 21, 2014

Lake Havasu Unified School District #1
2200 Havasupai BLVD
Lake Havasu City, AZ 86403

RE: Lake Havasu Unified School District #1
Thunderbolt Middle School SHOWERS-Assessment
AZ SFB BRG #1317

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The AZ SFB BRG #1317 Thunderbolt Middle School showers assessment is composed of six (6) pages total. The Emc2 Group Architects Planners, PC project overview (page 1 of 1), the shower plumbing assessment composed by Kelly Wright Associates, PC, the mechanical-plumbing engineering consultant, (pages, 4 of 4), and lastly, the Emc2 Group Architects Planners, PC total project budgets and fees (page 1 of 1).

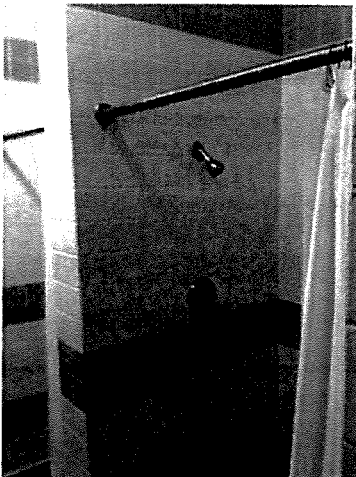
GENERAL:

The Lake Havasu Unified District #1 existing Thunderbolt Middle School was designed and constructed new in 1992, to include large boys and girls athletic locker rooms with privacy showers, approximately 48 showers in total. The existing shower units are in good condition and are functional; however, the shower's hot water supply and delivery is very slow. Hot water at the shower is not available upon demand. Mohave County Health Department officials are requiring that the shower slow hot water delivery challenges be remedied.

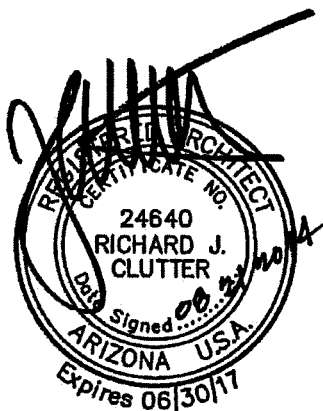
The scope-of-work of AZ SFB BRG #1317 is to improve the shower's hot water delivery system by re-designing the existing hot water system and re-plumb the hot water and mixing valves serving the boys and girls showers.

The plumbing engineering assessment narrative follows:

PHOTOGRAPH:



Existing shower unit

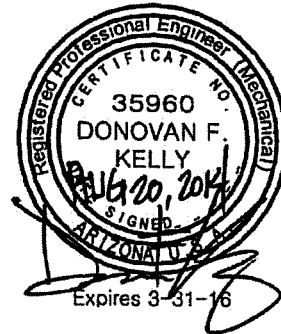


**Mechanical Assessment of the
Shower Hot Water Delivery System
at
Thunderbolt Middle School
Lake Havasu Unified School District**

Project Location:

Thunderbolt Middle School
695 Thunderbolt Avenue
Lake Havasu City, AZ

August 20, 2014



www.kwmech.com
KWA PROJECT NO. 14035

EXECUTIVE SUMMARY

This project involves improving the hot water delivery time to the existing showers. It is the recommendation of this report that a new recirculation line be added to the existing system and the existing thermostatic mixing valve piping be modified to improve performance. Mechanical costs related to this project include:

- The Engineer's estimated probable mechanical cost of construction is \$16,578. Refer to Appendix 1 for breakout of costs.
- The Engineer's proposed fee for the mechanical engineering services related to the design of the project is \$2,100.
- The Engineer's proposed fee for the mechanical engineering portion of the construction administration services is \$2,700.

EXISTING CONDITIONS

The district has provided us with copies of the 1992 drawings for the original school construction. The recommendations of this report are based on those drawings and our field observations made on June 17, 2014. Some photos of representative existing conditions are included in Appendix 2.

The existing hot water fixtures in the building, including the group of showers in the locker areas, are served by a thermostatic mixing valve in the boiler room. This tempered water system is recirculated on a building-wide level. The main recirculated tempered water loop is assumed to provide satisfactory performance. The problem with the showers is that they are fed by a pipe that is very long with no means of recirculation (far from the recirculated main) and it goes cold when the showers are off. We measured the time delay in the field and confirmed a calculated time using the existing drawings layout. Our conclusion is that the drawings are accurate.

PROPOSED CORRECTIONS & SUBSTANTIATION INFO

Shower Hot Water Delivery Project

It takes a very long time for hot water to arrive at the showers. The school has had issues with the health department accepting the installation. We believe that adding a recirculation line to the end of the existing tempered water line feeding the showers will significantly reduce the time to deliver tempered water to the showers.

In addition to the recirculation project, we suggest that the piping at the thermostatic mixing valve be modified to match the manufacturer's installation requirements. This should also assist the delivery time issue.

OTHER POTENTIAL PROJECTS AT THIS SITE

During our site visit, the following mechanical item related to this project's scope was discovered. A cost estimate has not been provided for this item.

- There is at least one ADA shower stall in each locker room. Each ADA shower includes a handheld shower which is attached to the wall via a short nipple. We suggest that quick disconnects be added to these existing ADA showers to allow the school to remove the hose and hand-held shower head assemblies from the wall when not in use.

APPENDIX 2: PHOTOS OF EXISTING CONDITIONS

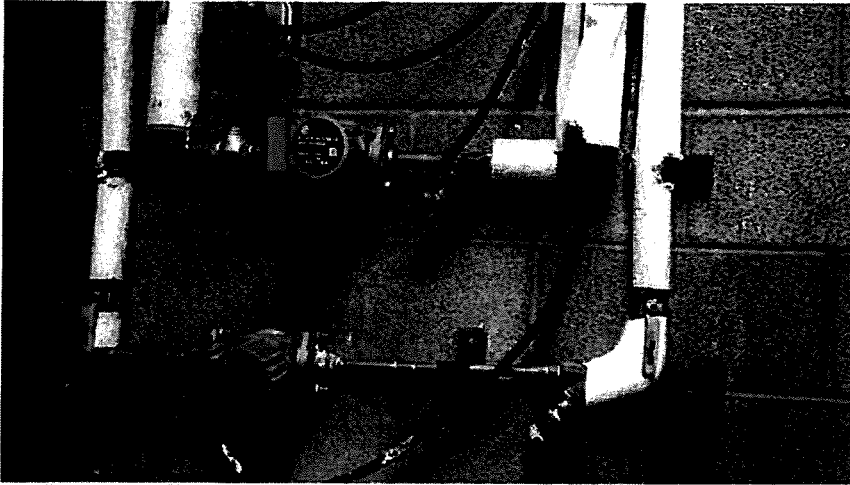


Photo 1: Existing recirculation pumps for building domestic hot & tempered water.

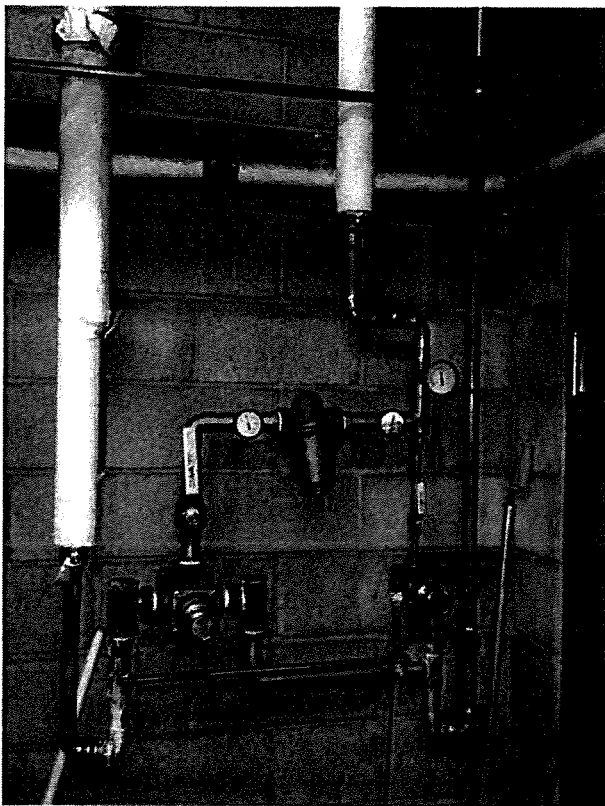


Photo 2: Existing thermostatic mixing valve.

Shower Hot Water Delivery Assessment for Thunderbolt Middle School

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

District: **Lake Havasu Unified**
Project Number: **080201105-1001-005BRG**
Project Description: **Replace air cooled chiller**
Architect of Record: **EMC2 (Richard Clutter 480-830-3838)**
Contractor: **TBD**

Mohave County

Board Approval: 6/11/2014
Supplemental award: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost		\$ 283,774
Contingency ①		\$ 30,611
Architecture / Engineering (A&E)		\$ 35,080
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection (structural and geo-tech)		\$ -
Total Additional Cost:		\$ 35,080
Total SFB Funded Project Cost:		\$ 349,465
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 349,465
Total Project Cost:		\$ 349,465

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



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August 19, 2014

Lake Havasu Unified School District #1
2200 Havasupai BLVD
Lake Havasu City, AZ 86403

RE: Lake Havasu Unified School District #1
Nautilus Elementary Chiller Replacement- budgets & fees
AZ SFB BRG #1314

Design scope-of-services and fees:

The design scope-of-services includes architectural project leadership for consulting engineering services. The architect will create an electronic drawing for use by the consulting engineers to design and detail mechanical, electrical and structural project instructions. The architectural scope-of service also includes project construction procurements, permit management and project design coordination:

Architectural, design services:	\$ 8,030.00
Mechanical Engineering, design services:	\$ 7,200.00
Electrical Engineering, design services:	\$ 1,500.00
Structural Engineering, design services:	<u>\$ 1,500.00</u>
Total Design Fees:	\$18,230.00

Construction Administration scope-of services and fees:

The construction administration scope-of-services include project administration during the construction phase, including travel to Nautilus Elementary School to observe and record new chiller equipment installations and commissioning:

Architectural CA:	\$ 2,500.00
Mechanical Engineering CA:	\$ 7,600.00
Electrical Engineering CA:	\$ 1,500.00
Structural Engineering CA:	<u>\$ 1,500.00</u>
Total Construction Administration Fees:	\$13,100.00

Estimated Cost of Construction:

The estimated cost of construction is a proposed budget for construction of the chiller replacement project. The estimated cost of construction includes incidental costs for architectural, structural, and electrical repairs or revisions in support of the new chiller replacement & construction.

Architectural-Structural demolitions & upgrades:	\$ 37,500.00
Mechanical construction new chiller installation:	\$245,385.00
Electrical revised chiller service:	<u>\$ 15,000.00</u>
Total Estimated Cost of Construction:	\$297,885.00

Total estimated Project Cost:	<u>\$329,215.00</u>
-------------------------------	----------------------------

August 19, 2014

Lake Havasu Unified School District #1
2200 Havasupai BLVD
Lake Havasu City, AZ 86403

RE: Lake Havasu Unified School District #1
Nautilus Elementary Chiller Replacement-Assessments
AZ SFB BRG #1314

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The AZ SFB BRG #1314 Nautilus Elementary Chiller Replacement Assessment is composed in eight pages (8) total. Emc2 Group Architects Planners, PC project overview (page 1 of 1), the mechanical assessment composed by Kelly Wright Associates, PC, the mechanical engineering consultant (pages 6 of 6), and lastly, the Emc2 Group Architects Planners, PC total project budgets and fees (page 1 of 1).

GENERAL:

The Lake Havasu Unified District #1, Nautilus Elementary School is 47,273 square feet, constructed in 1981. The original, roof mounted, "air-cooled chiller" mechanical cooling equipment is existing and continues to function; however, the air-cooled chiller is very unreliable and extended beyond an expected equipment life cycle.

The scope-of-work of AZ SFB BRG #1314 is to replace the original Nautilus Elementary School, existing roof mounted, air-cooled chiller with new air-cooled chiller equipment, re-using the existing air-cooled roof chiller structural support frame.

The expanded mechanical engineering assessment and Nautilus Elementary School chiller replacement design professional fees and estimated cost of construction follow:

PHOTOGRAPH:



Existing roof mounted air-cooled chiller



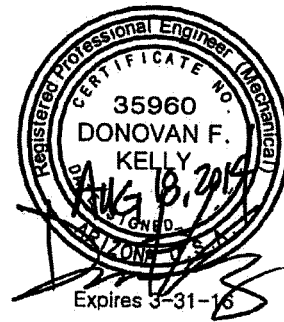
Chiller System Assessment at Nautilus Elementary School Lake Havasu Unified School District

Project Location:

Nautilus Elementary School
1425 Patrician Drive

BRG # 1314

August 18, 2014



www.kwmech.com
KWA PROJECT NO. 14035

EXECUTIVE SUMMARY

It is the recommendation of this report that the existing air cooled chiller at this school be replaced with a packaged air cooled chiller, including a dual-pump system.

Mechanical costs related to this project include:

- The Engineer's estimated probable mechanical cost of construction for the above is \$245,385. Refer to Appendix 1 for breakout of costs.
- The Engineer's proposed fee for the mechanical engineering services related to the design of the project is \$7,200.
- The Engineer's proposed fee for the mechanical engineering portion of the construction administration services is \$7,600.

EXISTING CONDITIONS

The existing drawings we found at the site do not indicate the current mechanical system. Therefore, the existing conditions are based on our observations. Existing conditions have been documented by field observations made on June 17, 2014. Refer to the photos in Appendix 2.

The majority of the single-building style campus is served by a single Carrier model 30GA105520 air cooled chiller. It appears that an addition to the building was made after the original construction and that the addition is served by rooftop packaged units. The chiller is installed on a steel platform above the roof. The chiller provides chilled water via a single pump to two indoor air handling units in a mechanical level approximately equal to the chiller elevation. In approximately 2002, energy recovery ventilators were added to the outside air systems serving the two air handlers.

CHILLER CONCERNS: It is believed that this existing chiller is well over 20 years old which is beyond the industry standard life expectancy for this type of equipment. Due to the chiller's age, it requires significant maintenance and parts availability is an issue. As of this report, the district was required to manually start the chiller each day to enable it to run.

PROPOSED CORRECTION

The new system should include a separate chilled water buffer tank to provide sufficient chilled water loop volume. The existing make-up water assembly and expansion tank should be replaced to suit the new installation. The addition of an air/dirt separator is recommended as well.

The existing chiller is on a structural stand above the roof of the building. It is proposed that the new system be installed in the same manner as the existing. The exception being that the new pumps will be on the stand and not on the roof. The result is that the roof will be easier to maintain in the future. Refer to Appendix 2 for photos.

OTHER POTENTIAL PROJECTS AT THIS SITE

During our site visit, a couple mechanical-related items were discovered that were not directly related to the chiller replacement project.

- Chilled water control valves: The 3-way control valves on each of the existing air handler chilled water coils were leaking. Suggest replacement. In our experience, it is more cost effective to replace the valve than rebuild it.
- Outside air intake louvers: The existing intake louvers were partially connected to the new ERV systems. There are portions of the louvers that are not blanked off and are allowing for un-controlled amounts of outside air into the system. Suggest unused portions of outside air intake louvers be removed and the walls repaired. Because 100% of the outside air requirement for each air handling unit is provided by an ERV with a single duct to the return air plenum, the louvers are no longer required. Removing the louvers will minimize excess outside air that has not been pre-treated by the ERV's.

Chiller Assessment: Nautilus Elementary

APPENDIX 2: PHOTOS OF EXISTING CONDITIONS

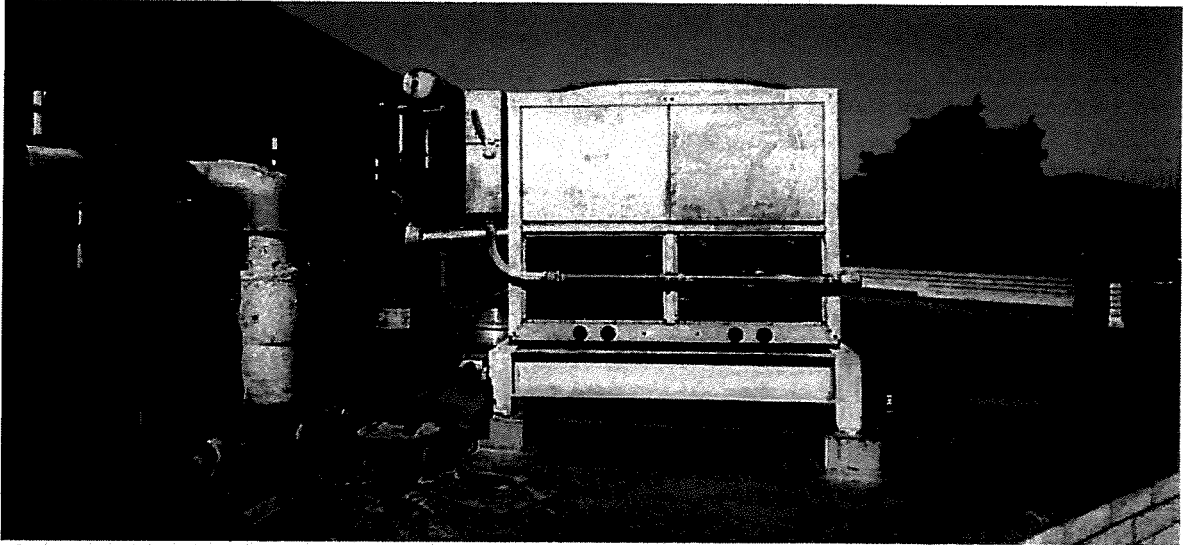


Photo 1: Existing chiller install on stand and separate pump on roof.

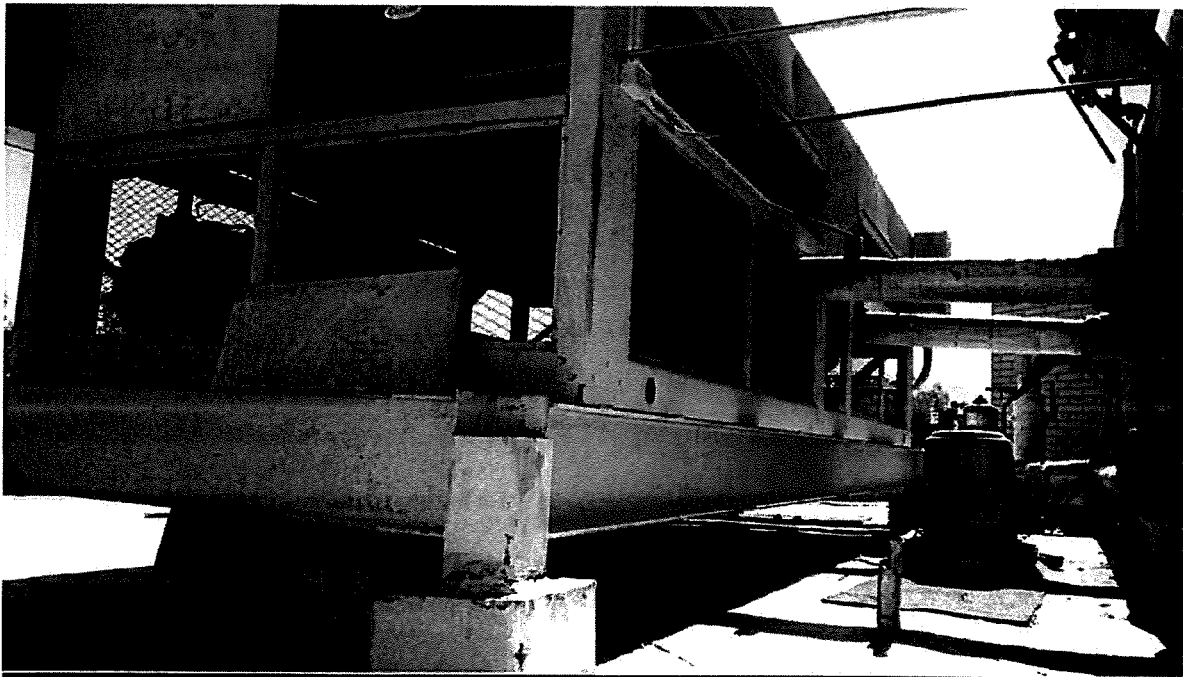


Photo 2: Existing chiller looking in opposite direction of Photo 1. Expansion tank racked on wall can be seen to the right.

Chiller Assessment: Nautilus Elementary

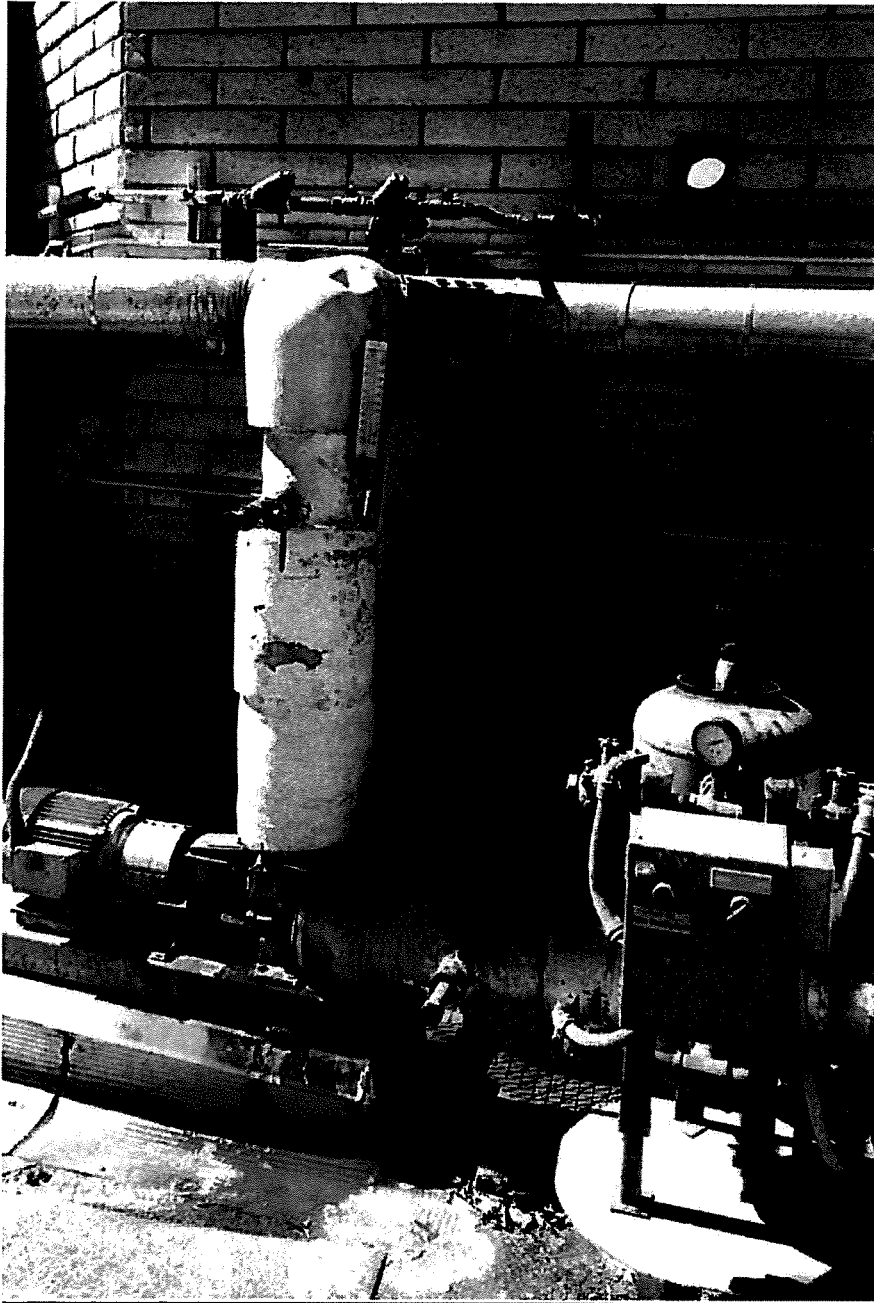


Photo 3: Existing pump on roof showing signs of leakage and lack of water treatment equipment. Backflow preventer for make-up water to the chilled water system can be seen above pump.

Chiller Assessment: Nautilus Elementary

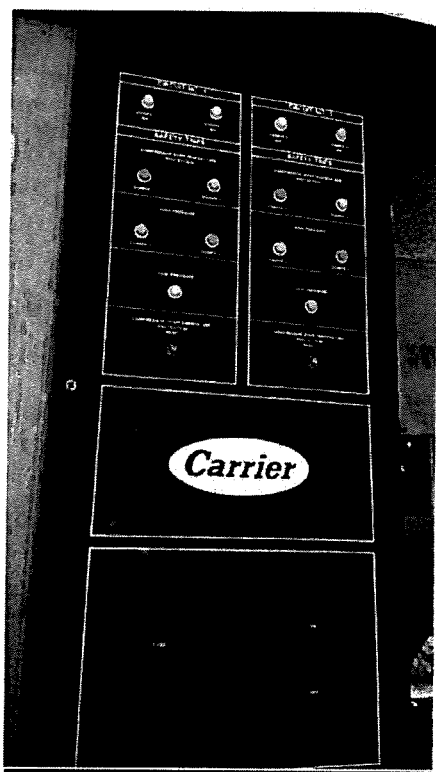


Photo 4: Existing chiller controls. Due to the age of the technology, parts are very expensive or simply not available.

Chiller Assessment: Nautilus Elementary

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Lake Havasu Unified**
Project Number: **080201102-1001-006BRG**
Project Description: **Replace chiller and cooling tower**
Architect of Record: **EMC2 (Richard Clutter 480-830-3838)**
Contractor: **TBD**

Mohave County

Board Approval: 6/11/2014
Supplemental award: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost		\$ 651,415
Contingency ①		\$ 38,496
Architecture / Engineering (A&E)		\$ 52,935
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection (structural and geo-tech)		\$ -
Total Additional Cost:		\$ 52,935
Total SFB Funded Project Cost:		\$ 742,846
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 742,846
Total Project Cost:		\$ 742,846

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

August 25, 2014

Lake Havasu Unified School District #1
2200 Havasupai BLVD
Lake Havasu City, AZ 86403

RE: Lake Havasu Unified School District #1
Thunderbolt Mountain Middle CHILLER-Budgets & Fees
AZ SFB BRG #1316



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Design scope-of-services and fees:

The design scope-of-services includes architectural project leadership for consulting engineering services. The architect will create an electronic drawing for use by the consulting engineers to design and detail new mechanical equipment installations and electrical circuitry instructions. The architectural scope-of service also includes project construction procurements, permit management and project design coordination:

Architectural, design & procurement services:	\$ 5,795.00
Mechanical Engineering, design services:	\$11,700.00
Electrical Engineering, design services:	<u>\$ 2,500.00</u>
Total Design Fees:	\$19,995.00

Construction Administration scope-of-services and fees:

The construction administration scope-of-services include project administration during the construction phase, including travel to Thunderbolt Middle School to observe and record new chiller equipment installations, piping and commissioning:

Architectural CA:	\$ 3,250.00
Mechanical Engineering CA:	\$ 8,100.00
Total Construction Administration Fees:	\$11,350.00

Estimated Cost of Construction:

The estimated cost of construction is a proposed budget for construction of the central plant project. The estimated cost of construction includes incidental architectural concrete construction and electrical repairs or revisions in support of the new chiller equipment replacements and new piping.

Concrete chiller and pump raised pad:	\$ 20,500.00
Mechanical new chillers, pumps & piping:	<u>\$450,504.00</u>
Total estimated Cost of Construction:	\$471,004.00

Total estimated Project Cost:	<u>\$502,349.00</u>
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August 21, 2014

Lake Havasu Unified School District #1
2200 Havasupai BLVD
Lake Havasu City, AZ 86403

RE: Lake Havasu Unified School District #1
Thunderbolt Middle School Chiller-Assessment
AZ SFB BRG #1316

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The AZ SFB BRG #1316 Thunderbolt Middle School Chiller assessment is composed of seven (7) pages. The Emc2 Group Architects Planners, PC project overview (page 1 of 1), the mechanical assessment composed by Kelly Wright Associates, PC, the mechanical engineering consultant (pages 5 of 5) and lastly, the Emc2 Group Architects Planners, PC total project budgets and fees (page 1 of 1)

GENERAL:

The Lake Havasu Unified District #1 existing Thunderbolt Middle School chiller and central plant cooling system was constructed new in 1992. The original and existing chiller is located in the central plant mechanical room in the Thunderbolt Middle School. The existing chiller continues to function; however, the functionality of the chiller is compromised by internal tube constrictions and unavailable R-22 refrigerant. Also the chiller is piped in atypical configuration, connected to miss-matched pumps.

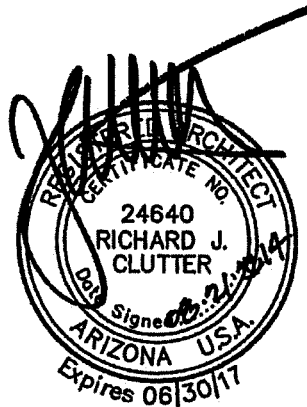
The scope-of-work of AZ SFB BRG #1316 is to re-place the existing chiller with a new (similar to existing) chiller, and re-pipe the new chiller and central plant appropriately.

The mechanical engineering assessment narrative follows:

PHOTOGRAPH:



Existing central plant chiller

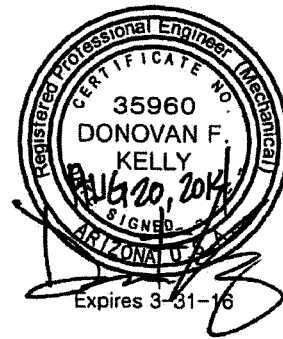


Mechanical Assessment of the Chillers and Condenser Water Piping at Thunderbolt Middle School Lake Havasu Unified School District

Project Location:

Thunderbolt Middle School
695 Thunderbolt Avenue
Lake Havasu City, AZ

August 20, 2014



www.kwmech.com
KWA PROJECT NO. 14035

EXECUTIVE SUMMARY

Chiller Replacement: This project involves replacing a 300 ton water cooled chiller and some piping and pump modifications to increase the reliability of the system. It is the recommendation of this report that the existing water cooled chiller at this school be replaced with a new system of similar capacity and configuration. In addition, we are recommending some piping and pump modifications to simplify the system. Mechanical costs related to this project include:

- The Engineer's estimated probable mechanical cost of construction is \$450,504. Refer to Appendix 1 for breakout of costs.
- The Engineer's proposed fee for the mechanical engineering services related to the design of the project is \$11,700.
- The Engineer's proposed fee for the mechanical engineering portion of the construction administration services is \$8,100.

EXISTING CONDITIONS

The district has provided us with copies of the 1992 drawings for the original school construction. The recommendations of this report are based on those drawings and our field observations made on June 17, 2014. Some photos of representative existing conditions are included in Appendix 2.

The entire campus is served by a 4-pipe central plant that includes two 300 ton water cooled York chillers utilizing R-22 refrigerant. Both chillers date from about 1992/93. The district tells us that chiller #2 has several plugged tubes that would need to be replaced.

The chiller project includes piping modifications. The existing condenser water piping layout includes parallel runs for each tower and the heat exchangers. There are electronic control valves in the cooling tower yard to switch operating modes of the system: i.e. from chiller to plate and frame or from chiller #1 to chiller #2, etc. In theory, there is sufficient piping and valves to allow for equipment to be brought in and out of the condenser system. However, the layout is not conventional and is therefore difficult to understand for troubleshooting.

There are two condenser water pumps in the tower yard which were originally designed to be like-sized. However, one exists with a 25HP motor and the other with a 40HP motor. It is suspected that the flow rates for the pumps are not matched as intended.

PROPOSED CORRECTIONS & SUBSTANTIATION INFO

The chiller should be replaced with a like-sized unit (300 nominal tons) configured to have water connections matching the existing conditions (condenser water on one end and chilled water on the other). We suggest that the new chiller be selected to have higher than the code minimum efficiency. There are several options from multiple manufacturers available to make the selection cost-competitive. The new chiller will be a different refrigerant, so a new refrigerant detection system will be required. The piping, valves and trim in the immediate area adjacent to the chiller needs to be replaced.

Due to the age, refrigerant type (R-22 has been phased-out), and efficiency, we feel it is not a good life cycle investment to repair this chiller. A new chiller would increase the system efficiency to assist with the schools energy bills. A new chiller would not have issues with parts availability or refrigerant phase out concerns like the existing chiller.

The chiller replacement project will also include design for modifications to the existing condenser water piping. We would like to design modifications to the existing piping and valves to move some or all of the control valves to the mechanical room to get the valves out of the weather and minimize the number of steps required by the control system to change modes. At a minimum, the existing controls and valves should be commissioned to ensure the sequence of operations is working properly. We would also suggest a walk-thru type training for the district so that they have a better understanding of the intent of operation for the condenser water system.

We are also suggesting that the condenser water pumps be modified with like-sized motors and balanced to return them to the original design intent.

OTHER POTENTIAL PROJECTS AT THIS SITE

During our site visit, the following mechanical item related to this project's scope was discovered. A cost estimate has not been provided for this item.

- The existing chilled water and heating water systems do not appear to have air separators. We suggest coalescing style air / dirt separators be added to each system.

APPENDIX 2: PHOTOS OF EXISTING CONDITIONS

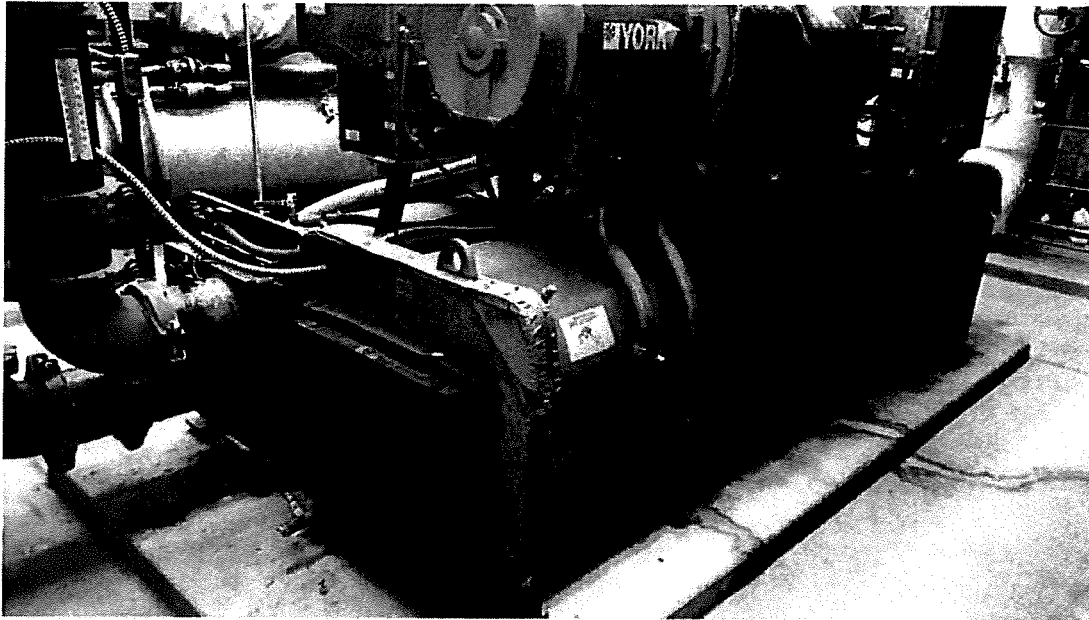


Photo 1: Chiller #2.

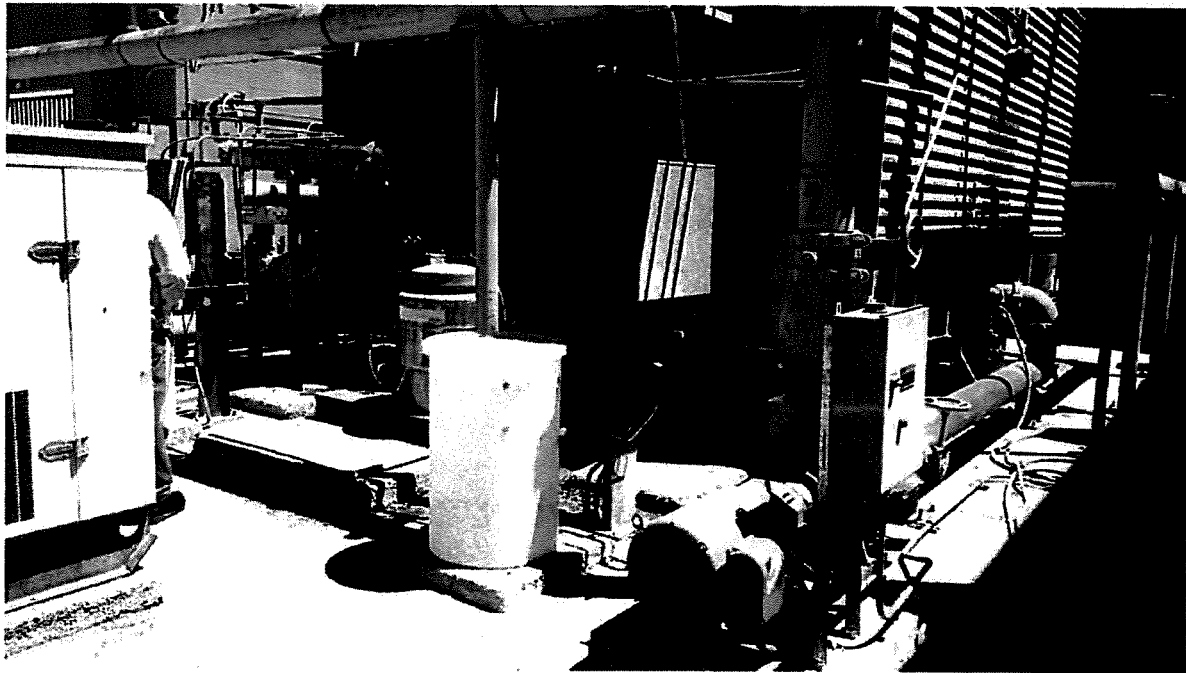


Photo 2: Existing cooling tower, condenser pumps and some condenser water piping.

Chiller and Condenser Water Assessments for Thunderbolt Middle School



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August 25, 2014

Lake Havasu Unified School District #1

2200 Havasupai BLVD

Lake Havasu City, AZ 86403

RE: Lake Havasu Unified School District #1
Thunderbolt Middle School COOLING TOWER-Budgets & Fees
AZ SFB BRG #1316

Design scope-of-services and fees:

The design scope-of-services includes architectural project leadership and creation of an electronic drawing for use by the mechanical engineering team to design and detail the existing cooling tower re-construction and re-assembly instructions. The architectural scope-of-service also includes project construction procurements, permit management and project design coordination.

Architectural, design & procurement services:	\$ 3,390.00
Mechanical Engineering, design services:	\$ 5,700.00
Structural Engineering, design services:	<u>\$ 1,500.00</u>
Total Design Fees:	\$10,590.00

Construction Administration scope-of-services and fees:

The construction administration scope-of-services include project administration during the construction phase, including travel to Thunderbolt Middle School to observe and record the re-build and commissioning of the existing cooling tower:

Architectural CA:	\$ 3,250.00
Mechanical Engineering CA:	\$ 6,500.00
Total Construction Administration Fees:	\$ 9,750.00

Estimated Cost of Construction:

The estimated cost of construction is a proposed budget for a new cooling tower.

Mechanical, new cooling tower construction:	<u>\$218,907.00</u>
Total estimated Cost of Construction:	\$218,907.00

Total estimated Project Cost:	<u>\$239,247.00</u>
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August 21, 2014

Lake Havasu Unified School District #1
2200 Havasupai BLVD
Lake Havasu City, AZ 86403

RE: Lake Havasu Unified School District #1
Thunderbolt Middle School COOLING TOWER-Assessment
AZ SFB BRG #1316



Architects ■ Planners, PC

Learning Places & Growing Spaces

Emc2 GROUP ARCHITECTS PLANNERS, PC
1635 North Greenfield Road
Suite 144
Mesa, AZ 85205

P 480 830 3838
F 480 830 3860
T 800 372 6849

www.emc2architects.com

The AZ SFB BRG #1316 Thunderbolt Middle School Cooling Tower assessment is composed of seven (7) pages. The Emc2 Group Architects Planners, PC project over (page 1 of 1), the mechanical assessment composed by Kelly Wright Associates, PC, the mechanical engineering consultant (pages 5 of 5), and lastly the Emc2 Group Architects Planners, PC total project budgets and fees (page 1 of 1)

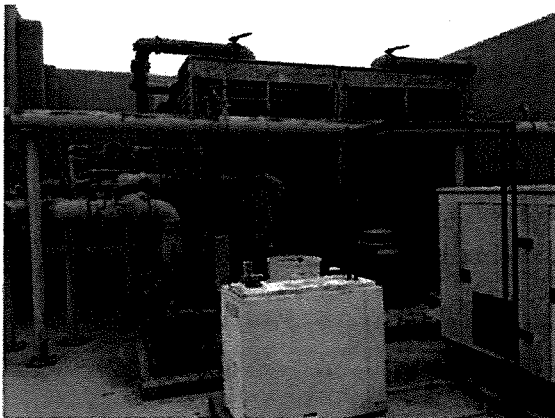
GENERAL:

The Lake Havasu Unified District #1 existing Thunderbolt Middle School Cooling tower and central plant cooling system was constructed new in 1992. The existing cooling tower is a single unit. The existing cooling tower continues to function; however, the functionality of the cooling tower is challenged by cooling tower fill damage, and the existing cooling tower is leaking.

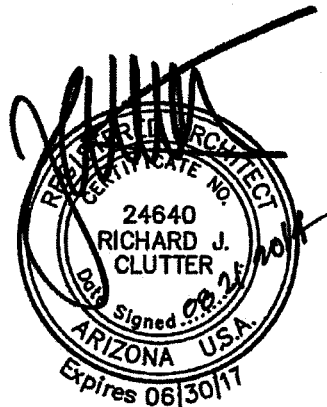
The scope-of-work of AZ SFB BRG #1316 is to replace the original cooling tower with a new cooling tower and construct new cooling tower support foundations.

The mechanical engineering assessment narrative follows:

PHOTOGRAPH:



Existing cooling tower

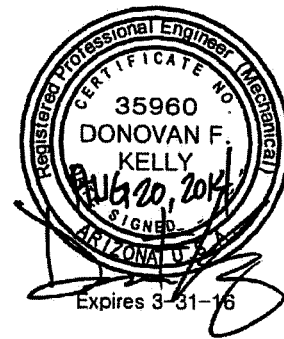


Mechanical Assessment of the Cooling Tower at Thunderbolt Middle School Lake Havasu Unified School District

Project Location:

Thunderbolt Middle School
695 Thunderbolt Avenue
Lake Havasu City, AZ

August 20, 2014



www.kwmech.com
KWA PROJECT NO. 14035

EXECUTIVE SUMMARY

This project involves the existing 2-cell single 600 ton cooling tower that serves the two water cooled chillers at this campus. It is the recommendation of this report that the existing cooling tower at this school be replaced with a new system of similar type, capacity and configuration. It has been decided by economic analysis that repairing this existing tower is not recommended. Mechanical costs related to this project include:

- The Engineer's estimated probable mechanical cost of construction is \$218,907. Refer to Appendix 1 for breakout of costs.
- The Engineer's proposed fee for the mechanical engineering services related to the design of the project is \$5,700.
- The Engineer's proposed fee for the mechanical engineering portion of the construction administration services is \$6,500.

EXISTING CONDITIONS

The district has provided us with copies of the 1992 drawings for the original school construction. The recommendations of this report are based on those drawings and our field observations made on June 17, 2014. Some photos of representative existing conditions are included in Appendix 2.


There is an existing 2-cell / 2 fan tower that provides condenser water to the campus' two water cooled chillers and two plate and frame heat exchangers. The tower is in a yard that is not connected to the building which necessitates underground piping between the chiller room and tower yard. The existing cooling towers have stainless steel basins that are bolted together. The seams are failing. The remainder of the tower is fiberglass or FRP and galvanized steel which is in need of replacement.

PROPOSED CORRECTIONS & SUBSTANTIATION INFO

The existing 2-cell / 2 fan tower should be replaced with a like-sized unit (600 nominal tons) configured to have water connections matching the existing conditions. Although we anticipate wanting to make some condenser water piping layout modifications, we expect the tower to require similar connections as the existing. The existing tower had a system sweeper that was inoperable at the time of our visit. We suggest that this system be refurbished and used with the new tower. The new tower will have variable speed fans, like the existing.

We evaluated the option of repairing the existing tower. The results of our cost estimates indicated that the cost to repair this tower system would exceed 2/3rds the replacement value. Since the repair work would not have a warranty and would require at least the same amount of shut-down time as a new tower, we do not see any advantage. Finally, having a new tower makes sense to support the new chiller.

APPENDIX 1: CONSTRUCTION COST ESTIMATE

Thunderbolt Middle School Cooling Tower Replacement Lake Havasu Unified School District #1			Lake Havasu, AZ Pre-CD Estimate - August 2014			 KELLY • WRIGHT & ASSOCIATES • PC <small>HVAC • PLUMBING FIRE PROTECTION</small>		
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST			
1	Demo existing tower	1.0	EA	\$ 5,000	\$ 5,000			
2	Demo domestic cold water for make-up; including backflow preventer	1.0	LS	\$ 500	\$ 500			
3	Demo misc condenser piping to install new tower	50.0	LF	\$ 23	\$ 1,125			
4	New 600-ton cooling tower	1.0	LS	\$ 117,000	\$ 117,000			
5	New piping local to new cooling tower (sch 40 welded, 8")	50.0	LF	\$ 128	\$ 6,400			
6	New Make-up Water Assembly (with meter & BFP)	1.0	LS	\$ 1,900	\$ 1,900			
7	Refurbish Existing Cooling Tower Filter (side-stream) system	1.0	EA	\$ 4,000	\$ 4,000			
8	Misc piping for tower filter system (2" copper)	50.0	LF	\$ 47	\$ 2,325			
9	Misc piping supports in yard	12.0	EA	\$ 800	\$ 9,600			
10	Controls (connect new tower to existing system)	1.0	LS	\$ 5,000	\$ 5,000			
11	Water treatment	1.0	LS	\$ 9,000	\$ 9,000			
12	Test and balance	1.0	LS	\$ 6,000	\$ 6,000			
13								
14								
A. SUBTOTAL CONSTRUCTION COST					\$ 167,850			
B.	Contingency	7.5%		of Line A	\$ 12,589			
C.	General Conditions, project management	10.0%		of Line A+B	\$ 18,044			
D.	Tax (City sales tax estimate)	7.85%		of Line A+B+C	\$ 15,551			
E.	Insurance	1.0%		of Line A+B+C+D	\$ 2,141			
F.	SUBTOTAL CONSTRUCTION COST INCLUDING MARK-UPS				\$ 216,204			
G.	Bond	1.25%		of Line F	\$ 2,703			
H.	TOTAL CONSTRUCTION COST ESTIMATE				\$ 218,907			

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

Cooling Tower Assessments for Thunderbolt Middle School

APPENDIX 2: PHOTOS OF EXISTING CONDITIONS

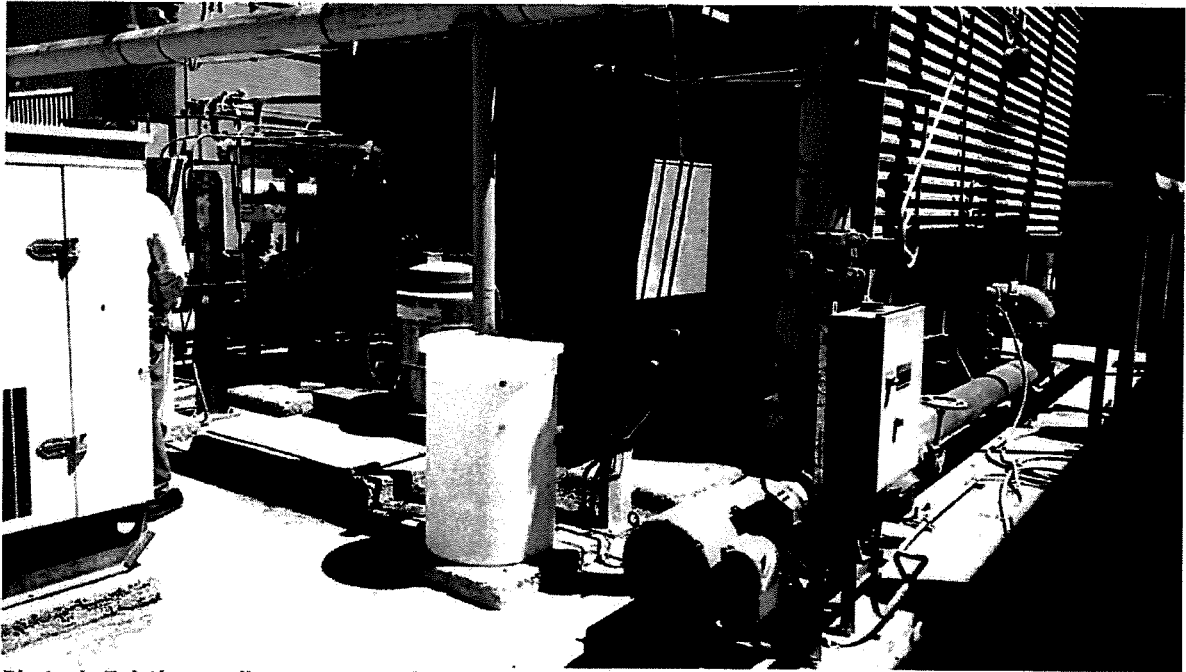


Photo 1: Existing cooling tower, condenser pumps and some condenser water piping.

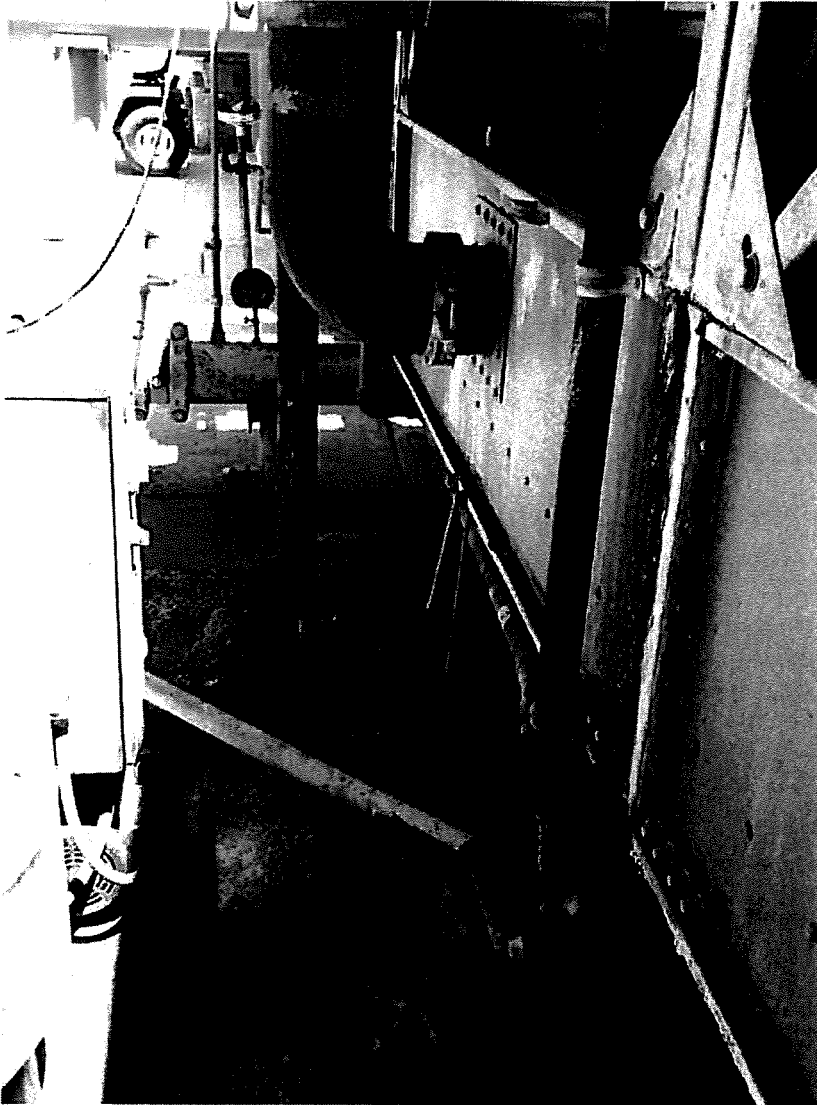


Photo 2: Existing cooling tower - note bolted seams. Tower basin sweeper filter partially seen to left.

Cooling Tower Assessments for Thunderbolt Middle School

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

District: **Mohave Valley Elementary**
BRG Project Number: **080416103-9999-013BRG** Mohave County
Project Description: **Replace package heat pumps**
Engineer: **Building Energy Solutions Provider (Sameer Pandey 602-377-2679)**
Contractor: **TBD**

Board Approval Date: 5/7/2014
Supplemental award: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 120,000
Contingency ①		\$ 12,000
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ 14,000
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ 14,000
Total SFB Funded Project Cost:		\$ 146,000
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 146,000
Total Project Cost:		\$ 146,000

① Contingency shall only be used with SFB staff approval.

August 5, 2014

Cindy Christy
Director of Business Services
Mohave Valley Elementary School District
8450 South Olive
Mohave Valley, AZ 86440

Ref: Mechanical Units Assessment at Mohave Junior High

Dear Cindy,

Per district's request, BESP performed mechanical and electrical assessment of twenty-seven (27) units located on classroom/library/admin wing (Building A) at Mohave Junior High School. During an assessment, it was noticed that:

1. Twenty-five (25) out of twenty-seven (27) units were installed in 1997 and are seventeen (17) years old, and are past its useful life.
2. The compressors have been replaced at least once in twenty-one (21) units.
3. The unit 201B serving computer room is non-functional with compressor and controls completely gutted out.
4. Twenty (20) units out of twenty-seven (27) units are 208 volts-single phase, and rest are 208 volts- three phase.

Further detailed analysis of the units revealed that Ten (10) - 5 Ton units serving room # 106, 201A, 202, 204, 205, 206, 207, 209, 212 & library, and One (1) -7.5 Ton units serving room # 105 with a total of eleven (11) units are imminent danger of failure with units showing signs of failure as listed below:

1. Leakage in the compressor and refrigerant piping
2. Incorrect installation of filter dryer while replacing compressor
3. Restriction in the coils and short-cycle
4. Units running at lower volts and higher amperage than designed conditions

Per BESP's analysis, two main reasons for the imminent failure of these units are:

1. There is a visible pattern of replacing compressors not following a proper procedure, creating an uncertainty of longevity of new compressors.
2. The combined effect of low voltage current, age of the unit and new compressors not designed to run at high amperage has created an uncertainty on the life of the units.

The estimated cost to replace twelve (12) units is \$120,000.00

BESP recommends these units to be replaced with new units that can withstand low volts and higher amperage, and recommends soft-start compressor for all new units. We also recommend for the district to adopt industry standard process for future compressor replacement, and also make capacitor replacement for a single phase unit as a part of district's preventive maintenance plan.

BESP explored an option of upgrading the units from single phase to three phase, and determined that there is a significant cost impact for the upgrade with no defined benefit to justify the cost.

It shall be noted that remaining units installed in 1997 will most likely need to be replaced within next couple of years.

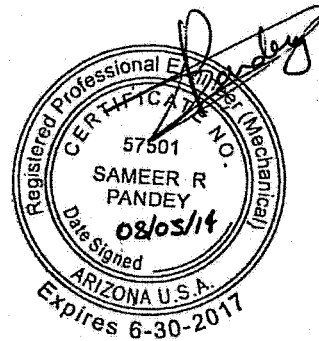
Please find below BESP's scope of work to replace twelve (12) units at Mohave Valley Junior High.

- 1) Scope Preparation
- 2) Bid Document & Evaluation
- 3) Submittal Review
- 4) Construction Administration
- 5) Commissioning
- 6) As-Built Drawings

BESP's Fee: \$8,500 (NTE)

Please let me know if you have any questions.

Sincerely,



Sameer R Pandey PE (Mech), CEM, LEED
Principal, Building Energy Solutions Provider (BESP)
602-377-2679 (Cell)
sameerpandey@beps.us

Attachment: List of Mechanical Units Recommended for Replacement

Table: List of Mechanical Units Recommended for Replacement

Type	Room #	Model #	S/N	Cooling (Ton)	Date of Manufac.	Comments
Lennox	212	CHP16-651-8P	5697H02428	5	Aug-97	Poor job of compressor replacement/ filter drier installed incorrectly/low charge
Lennox	209	CHP20-060-5G	5604K01724	5	4-Oct	Poor duct installation excessive air recirculating back from supply to return
Lennox	205	CHP16-651-8P	5697H00963	5	Aug-97	Compressor replaced ,leak noticed
Lennox	207	CHP16-651-8P	5697H00962	5	Aug-97	Compressor replaced, leak noticed
Lennox	206	NA	NA	5		Compressor replaced, leak noticed
Lennox	204	CHP16-651-8P	5697H02429	5	Aug-97	Compressor replaced, leak noticed
Lennox	202	CHP16-651-8P	5697H02423	5	Aug-97	compressor replaced without a new filter drier, leak noticed
Lennox	201A	CHP16-651-8P	5697G03942	5	Sep-97	compressor replaced without a new filter drier
Lennox	Library	CHP24D-653-1Y	5697L02990	5	Nov-97	Compressor replaced, leak noticed
Lennox	106	CHP16-651-8P	5697G03943	5	Sep-97	compressor replaced & leak noticed
Lennox	105	LHA-090-HN-1Y	5697M01585	7.5	Dec-97	Bad Main Board, All control and safety wiring bypassed, restriction, short cycle

**STATE OF ARIZONA
SCHOOL FACILITIES BOARD**

Meeting Date: September 3, 2014

Agenda Item VI.f.

Subject: VI. Building Renewal Grant Requests
f. Consideration and possible vote to accept, reject or modify Building Renewal Grant Requests (construction awards)

**Bonita Elementary
Casa Grande Elementary
Gila Bend Unified (4 requests)
Globe Unified
Kingman Unified
Kirkland Elementary
Lake Havasu Unified
Tonto Basin Elementary
Tucson Unified (7 requests)**

Background – Bonita Elementary (Bonita ES – replace roof)

Bonita Elementary has submitted a Building Renewal Grant request to replace the wood shake roofing on Building 1003 at Bonita Elementary School.

Bonita Elementary is located 83 miles east of Tucson and is comprised of twelve buildings constructed between 1950 and 2011. Building 1003 was completed in 1950, totaling 6,251 square feet.

Staff visited the site and found the existing roof system is no longer watertight and is causing leaks within the building.

The district obtained roof proposals and provided a low cost of \$40,792 to replace the roof.

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 roof)

Staff recommends that Bonita Elementary be awarded \$50,000 in Building Renewal Grant funding to replace the wood shake roofing on Building 1003 at Bonita Elementary School. This includes \$2,000 for structural analysis, \$4,000 for asbestos testing and \$3,208 in contingency that will only be used with SFB staff approval.

Background – Casa Grande Elementary (Casa Grande MS - replace door hardware)

Casa Grande Elementary has submitted a Building Renewal Grant request for the replacement of various door hardware that serve all the buildings at Casa Grande Middle School.

Casa Grande Elementary, located 50 miles south of Phoenix, has fourteen schools. Casa Grande Middle School is comprised of 17 buildings constructed between 1950 and 2004, totaling 132,818 square feet.

The existing door hardware was reviewed by a contractor and was paired down to a partial replacement because most of the hardware required maintenance rather than replacement. The hardware that was identified is either broken and/or beyond repair. The proposal submitted was for \$15,111.

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 – Casa Grande Elementary (Casa Grande MS - replace door hardware)

Staff recommends that Casa Grande Elementary be awarded \$20,000 in Building Renewal Grant funding for the replacement of various door hardware at Casa Grande Middle School. This includes \$4,889 in contingency that will only be used with SFB staff approval.

Background – Gila Bend Unified (Gila Bend HS – replace roof)

Gila Bend Unified has submitted a Building Renewal Grant request to replace the shingle roof on the administration/classroom Building 1002 at Gila Bend High School.

Gila Bend Unified, located 70 miles southwest of Phoenix, has two schools. Gila Bend High School is comprised of eight buildings constructed between 1949 and 1968, totaling 38,518 square feet. Building 1002 was constructed in 1958 totaling 2,001 square feet.

Staff visited the site and found the roof material had deteriorated, causing leaks into the building.

The district received proposals to replace the roof; the lowest was \$17,672.

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 HS – replace roof)

Staff recommends that Gila Bend Unified be awarded \$23,000 in Building Renewal Grant funding to replace the shingle roof on the administration/classroom Building 1002 at Gila Bend High School. This includes \$1,600 for the structural analysis and \$3,728 in contingency that will only be used with SFB staff approval.

Background – Gila Bend Unified (Gila Bend HS – replace exterior door hardware)

Gila Bend Unified has also submitted a Building Renewal Grant request to replace the door hardware on eleven exterior doors on the computer/science classrooms in Building 1001 at Gila Bend High School.

Gila Bend High School is comprised of eight buildings constructed between 1949 and 1968, totaling 38,518 square feet. Building 1001 was constructed in 1968 totaling 5,989 square feet.

Staff visited the site and found the doors had missing exterior and incomplete interior hardware jeopardizing the safety and security of the building.

The district received a proposal to replace and repair the door hardware, doors and frames in the amount of \$21,675.

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 maintenance.

Staff Recommendation – Gila Bend Unified (Gila Bend HS – replace exterior door hardware)

Staff recommends that Gila Bend Unified be awarded \$23,000 in Building Renewal Grant funding to replace the exterior door hardware on eleven doors on the computer/science classrooms in Building 1001 at Gila Bend High School. This includes \$1,325 in contingency that will only be used with SFB staff approval.

Background – Gila Bend Unified (Gila Bend ES – replace basketball courts)

Gila Bend Unified has also submitted a Building Renewal Grant request to replace two basketball courts at Gila Bend Elementary School.

Gila Bend Elementary School is comprised of nine buildings completed between 1924 and 1974, totaling 54,252 square feet.

Staff visited the site and found the two basketball courts concrete slabs have disintegrated to the point where they are no longer usable because of the cracking and spalling.

The district was requested to obtain the services of an architect to design the replacement of the two concrete basketball courts.

Cost summary as follows:

Geotechnical investigation	\$2,100
Architectural design	\$5,670
Bidding and Construction administration	\$4,995
Permit fee	\$1,620
Survey	\$1,000
Civil special inspections	\$1,500
Total Professional services	\$16,885
Estimated construction cost	\$95,000
Laboratory testing	\$2,000
Contingency	\$5,000
Total funding requested	\$118,885

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 – replace basketball courts)

Staff recommends that Gila Bend Unified be awarded \$118,885 in Building Renewal Grant funding to replace two basketball courts at Gila Bend Elementary School. This includes \$2,000 for laboratory testing and \$5,000 in contingency that will only be used with SFB staff approval.

Background – Gila Bend Unified (Gila Bend HS - replace HVAC blower motor)

Gila Bend Unified has submitted a Building Renewal Grant request to replace the blower motor and assembly on the 5-ton HVAC unit serving the gymnasium Building 1008 at Gila Bend High School.

Gila Bend High School is comprised of eight buildings constructed between 1949 and 1968, totaling 38,518 square feet. Building 1008 was constructed in 1949 totaling 14,332 square feet.

The district received proposals; the lowest was \$1,904.

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 HS – replace HVAC blower motor)

Staff recommends that Gila Bend Unified be awarded \$2,500 in Building Renewal Grant funding to replace the blower motor and assembly on the 5-ton HVAC unit serving the gymnasium Building 1008 at Gila Bend High School. This includes \$596 in contingency that will only be used with SFB staff approval.

Background – Globe Unified (Globe HS – replace chiller pumps)

Globe Unified has submitted a Building Renewal Grant request to replace three defective chilled water pumps serving the chiller unit at Globe High School.

Globe Unified, located 85 miles east of Phoenix, has four schools. Globe High School is comprised of 13 buildings constructed between 1914 and 2005, totaling 145,141 square feet.

Staff visited the site and tested the chilled water pumping system. Two pumps had failed and one was defective with serious water leaks.

The district was requested to obtain proposals from mechanical contractors to have the pumps replaced. The lowest proposal was \$28,619.

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 – Globe Unified (Globe HS – replace chiller pumps)

Staff recommends that Globe Unified be awarded \$31,500 in Building Renewal Grant funding to replace the three chilled water pumps serving the chiller unit at Globe High School. This includes \$2,881 in contingency that will only be used with SFB staff approval.

Background – Kingman Unified (Kingman MS – replace chiller pipes/valves)

Kingman Unified has submitted a Building Renewal Grant request to replace the chiller supply pipes and valves in Building 1001 at Kingman Middle School.

Kingman Unified, located 190 miles northwest of Phoenix, has twelve schools. Kingman Middle School has seven buildings constructed between 1966 and 2004, totaling 111,578 square feet. Building 1001 was built in 1967, totaling 59,972 square feet.

Staff visited the site and found the piping rusted and leaking. The district obtained a proposal in the amount of \$10,104 to have the rusted piping and valves replaced.

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 Kingman Unified (Kingman MS – replace chiller pipes/valves)

Staff recommends that Kingman Unified be awarded \$12,000 in Building Renewal Grant funding to replace the chiller pipes and valves in Building 1001 at Kingman Middle School. This includes \$1,896 in contingency that will only be used with SFB staff approval.

Background – Kirkland Elementary (Kirkland ES – replace carpets)

Kirkland Elementary has submitted a Building Renewal Grant request to replace carpets in the Main classroom Building 1001 and the Special Education classroom Building 1003 at Kirkland Elementary School.

Kirkland Elementary, located 100 miles northwest of Phoenix, has one school. Kirkland Elementary School is comprised of five buildings constructed between 1919 and 2003, totaling 10,452 square feet. Building 1001 was built in 1919, totaling 2,800 square feet. Building 1003 was constructed in 1998, totaling 720 square feet.

Staff visited the site and concurs with the district that the carpets have surpassed their lifecycle and have become a safety hazard.

The district submitted proposals to replace the carpets; the lowest was \$5,142.

Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Kirkland Elementary (Kirkland ES – replace carpets)

Staff recommends that Kirkland Elementary be awarded \$6,000 in Building Renewal Grant funds to replace carpets in the Main classroom Building 1001 and the Special Education

classroom Building 1003 at Kirkland Elementary School. This includes \$858 in contingency that will only be used with SFB staff approval.

Background – Lake Havasu Unified (Lake Havasu HS – replace emergency exit lights)

Lake Havasu Unified has submitted a Building Renewal Grant request to replace emergency door exit lights in the administration/classroom Building 1002 at Lake Havasu High School.

Lake Havasu Unified, located 200 miles northwest of Phoenix along the Colorado River, consists of nine schools. Lake Havasu High School is comprised of ten buildings constructed between 1969 and 2003, totaling 272,074 square feet. Building 1002 was constructed in 1969 totaling 53,719 square feet.

The emergency exit signs do not meet current code and must be replaced. The district received a proposal in the amount of \$3,032 to replace the emergency exit lights.

Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation - Lake Havasu Unified (Lake Havasu HS – replace emergency exit lights)

Staff recommends that Lake Havasu Unified be awarded \$4,000 in Building Renewal Grant funding to replace emergency exit lights in the administration/classroom Building 1002 at Lake Havasu High School. This includes \$968 in contingency that will only be used with SFB staff approval.

Background–Tonto Basin Elementary (Tonto Basin ES – repair roof leaks)

Tonto Basin Elementary has submitted a Building Renewal Grant request to repair roof leaks to the steel addition Building 1002 at Tonto Basin Elementary School.

Tonto Basin Elementary, located 82 miles northeast of Phoenix, has one school. Tonto Basin Elementary School is comprised of four buildings constructed between 1980 and 2010, totaling 16,896 square feet. Building 1002 was built in 1992, totaling 1,632 square feet.

Staff visited the site and observed leaks along the connection between the pre-engineered metal gymnasium building and the 1992 building addition. The low proposal for the repair is \$1,850.

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 – Tonto Basin Elementary (Tonto Basin ES – repair roof leaks)

Staff recommends that Tonto Basin Elementary be awarded \$3,500 in Building Renewal Grant funding for roof repairs to the steel addition Building 1002 at Tonto Basin Elementary School. This includes \$1,650 in contingency that will only be used with SFB staff approval.

Background – Tucson Unified (Davis Bilingual – replace stucco) Request 1 of 7

Tucson Unified has submitted a Building Renewal Grant request for the repair of the stucco system on Buildings 1001, 1002, 1003, 1004, and 1005 at Davis Bilingual Magnet School.

Tucson Unified has 120 schools. Davis Bilingual Magnet School is comprised of six buildings constructed between 1902 and 1982 totaling 33,491 square feet.

The district obtained professional design services using district funds. The design work has been completed and the architect has estimated the construction costs for the stucco replacement at \$75,000, with an additional \$5,000 for hazardous material removal.

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 (Davis Bilingual – replace stucco)

Staff recommends that Tucson Unified be awarded \$88,000 in Building Renewal Grant funding for the replacement of the failed stucco system on Buildings 1001, 1002, 1003, 1004, and 1005 at Davis Bilingual Magnet School. This includes \$8,000 in contingency that will only be used with SFB staff approval.

Background – Tucson Unified (Gale ES – refurbish cooling tower) Request 2 of 7

Tucson Unified has submitted a Building Renewal Grant request for the refurbishment of the cooling tower at Gale Elementary School.

Tucson Unified has 120 schools. Gale Elementary School is comprised of two buildings constructed in 1968 and 1992, totaling 33,628 square feet.

The cooling tower is clogged and is no longer working properly. The refurbishment will bring the tower back into working condition and extend the usable life. The district has received a low bid of \$10,759 for the refurbishment of the cooling tower.

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 (Gale ES – refurbish cooling tower)

Staff recommends that Tucson Unified be awarded \$11,900 in Building Renewal Grant funding for the refurbishment of the cooling tower at Gale Elementary School. This includes \$1,141 in contingency that will only be used with SFB staff approval.

Background – Tucson Unified (Secrist MS – refurbish cooling tower) Request 3 of 7

Tucson Unified has submitted a Building Renewal Grant request for the refurbishment of the cooling tower at Secrist Middle School.

Tucson Unified has 120 schools. Secrist Middle School is comprised of three buildings constructed between 1972 and 1994, totaling 69,354 square feet.

The cooling tower is clogged and is no longer working properly. The refurbishment will bring the cooling tower back to operational order and extend the usable life. The district received a low bid of \$12,455 for the refurbishment of the tower.

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 (Secrist MS – refurbish cooling tower)

Staff recommends that Tucson Unified be awarded \$13,700 in Building Renewal Grant funding for the refurbishment of the cooling tower at Secrist Middle School. This includes \$1,245 in contingency that will only be used with SFB staff approval.

Background – Tucson Unified (Sahuaro HS – rebuild two chiller compressors) Request 4 of 7

Tucson Unified has submitted a Building Renewal Grant request for the rebuild of two chiller compressors at Sahuaro High School.

Tucson Unified has 120 schools. Sahuaro High School is comprised of four buildings constructed between 1966 and 2008, totaling 302,326 square feet.

The compressors have failed and are in need of a vane rebuild and gasket replacement. The district received a low bid of \$52,953 for the rebuild of the two chiller compressors.

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 (Sahuaro HS – rebuild two chiller compressors)

Staff recommends that Tucson Unified be awarded \$58,300 in Building Renewal Grant funding for the rebuild of two chiller compressors at Sahuaro High School. This includes \$5,347 in contingency that will only be used with SFB staff approval.

Background – Tucson Unified (Cholla HS – HVAC replacement) Request 5 of 7

Tucson Unified has submitted a Building Renewal Grant request for the replacement of the Bard sidewall HVAC system on Buildings 1010, 1011, and 1012 at Cholla High Magnet School.

Tucson Unified has 120 schools. Cholla High Magnet School is comprised of twelve buildings constructed between 1968 and 1992, totaling 304,384 square feet. Building 1010 was built in 1967, totaling 900 square feet, while Buildings 1011 and 1012 were built in 1990, totaling 1,680 square feet each.

Staff visited the site and agree with the need for replacement as the units have failed. The district received a low bid of \$42,537 for the replacement of these units.

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 (Cholla HS– HVAC replacement)

Staff recommends that Tucson Unified be awarded \$46,800 in Building Renewal Grant funding for the replacement of the Bard sidewall HVAC system on Buildings 1010, 1011, and 1012 at Cholla High Magnet School. This includes \$4,263 in contingency that will only be used with SFB staff approval.

Background – Tucson Unified (Myers/Ganoung ES – replace fire alarm components) Request 6 of 7

Tucson Unified has submitted a Building Renewal Grant request for replacement of the failed fire alarm system components at Myers/Ganoung Elementary School.

Tucson Unified has 120 schools. Myers/Ganoung Elementary School is comprised of ten buildings constructed between 1959 and 1992, totaling 66,502 square feet.

The system has failed and replacement of these components will bring the system into operational order. The district has received a quote of \$32,780 for the replacement parts.

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 (Myers/Ganoung ES – replace fire alarm components)

Staff recommends that Tucson Unified be awarded \$36,000 in Building Renewal Grant funding for the replacement of the failed fire alarm system components at Myers/Ganoung Elementary School. This includes \$3,220 in contingency that will only be used with SFB staff approval.

Background – Tucson Unified (Drachman PS – replace fire alarm components) Request 7 of 7

Tucson Unified has submitted a Building Renewal Grant request in for the replacement of fire alarm system components at Drachman Primary Magnet School.

Tucson Unified has 120 schools. Drachman Primary Magnet School is comprised of one building constructed in 1996, totaling 36,007 square feet.

The system has failed and replacement of the components will bring the system into operational order. The district has received a quote of \$32,320 for the replacement parts.

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 (Drachman PS – replace fire alarm components)

Staff recommends that Tucson Unified be awarded \$35,600 in Building Renewal Grant funding for the replacement of the failed fire alarm system components at Drachman Primary Magnet School. This includes \$3,280 in contingency that will only be used with SFB staff approval.

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

1. Board approval of the staff recommendation that **Bonita Elementary** be awarded \$50,000 in Building Renewal Grant funding to replace the wood shake roofing on Building 1003 at Bonita Elementary School. This includes \$2,000 for structural analysis, \$4,000 for asbestos testing and \$3,208 in contingency that will only be used with SFB staff approval.
2. Board approval of the staff recommendation that **Casa Grande Elementary** be awarded \$20,000 in Building Renewal Grant funding for the replacement of various door hardware at Casa Grande Middle School. This includes \$4,889 in contingency that will only be used with SFB staff approval.
3. Board approval of the staff recommendation that **Gila Bend Unified** be awarded \$23,000 in Building Renewal Grant funding to replace the shingle roof on the administration/classroom Building 1002 at Gila Bend High School. This includes \$1,600 for the structural analysis and \$3,728 in contingency that will only be used with SFB staff approval.
4. Board approval of the staff recommendation that **Gila Bend Unified** be awarded \$23,000 in Building Renewal Grant funding to replace the exterior door hardware on eleven doors on the computer/science classrooms in Building 1001 at Gila Bend High School. This includes \$1,325 in contingency that will only be used with SFB staff approval.
5. Board approval of the staff recommendation that **Gila Bend Unified** be awarded \$118,885 in Building Renewal Grant funding to replace two basketball courts at Gila Bend Elementary School. This includes \$2,000 for laboratory testing and \$5,000 in contingency that will only be used with SFB staff approval.
6. Board approval of the staff recommendation that **Gila Bend Unified** be awarded \$2,500 in Building Renewal Grant funding to replace the blower motor and assembly on the 5-ton HVAC unit serving the gymnasium Building 1008 at Gila Bend High School. This includes \$596 in contingency that will only be used with SFB staff approval.
7. Board approval of the staff recommendation that **Globe Unified** be awarded \$31,500 in Building Renewal Grant funding to replace the three chilled water pumps serving the chiller unit at Globe High School. This includes \$2,881 in contingency that will only be used with SFB staff approval.

8. Board approval of the staff recommendation that **Kingman Unified** be awarded \$12,000 in Building Renewal Grant funding to replace the chiller pipes and valves in Building 1001 at Kingman Middle School. This includes \$1,896 in contingency that will only be used with SFB staff approval.
9. Board approval of the staff recommendation that **Kirkland Elementary** be awarded \$6,000 in Building Renewal Grant funds to replace carpets in the Main classroom Building 1001 and the Special Education classroom Building 1003 at Kirkland Elementary School. This includes \$858 in contingency that will only be used with SFB staff approval.
10. Board approval of the staff recommendation that **Lake Havasu Unified** be awarded \$4,000 in Building Renewal Grant funding to replace emergency exit lights in the administration/classroom Building 1002 at Lake Havasu High School. This includes \$968 in contingency that will only be used with SFB staff approval.
11. Board approval of the staff recommendation that **Tonto Basin Elementary** be awarded \$3,500 in Building Renewal Grant funding for roof repairs to the steel addition Building 1002 at Tonto Basin Elementary School. This includes \$1,650 in contingency that will only be used with SFB staff approval.
12. Board approval of the staff recommendation that **Tucson Unified** be awarded \$88,000 in Building Renewal Grant funding for the replacement of the failed stucco system on Buildings 1001, 1002, 1003, 1004, and 1005 at Davis Bilingual Magnet School. This includes \$8,000 in contingency that will only be used with SFB staff approval.
13. Board approval of the staff recommendation that **Tucson Unified** be awarded \$11,900 in Building Renewal Grant funding for the refurbishment of the cooling tower at Gale Elementary School. This includes \$1,141 in contingency that will only be used with SFB staff approval.
14. Board approval of the staff recommendation that **Tucson Unified** be awarded \$13,700 in Building Renewal Grant funding for the refurbishment of the cooling tower at Secrist Middle School. This includes \$1,245 in contingency that will only be used with SFB staff approval.
15. Board approval of the staff recommendation that **Tucson Unified** be awarded \$58,300 in Building Renewal Grant funding for the rebuild of two chiller compressors at Sahuaro High School. This includes \$5,347 in contingency that will only be used with SFB staff approval.
16. Board approval of the staff recommendation that **Tucson Unified** be awarded \$46,800 in Building Renewal Grant funding for the replacement of the Bard sidewall HVAC system on Buildings 1010, 1011, and 1012 at Cholla High Magnet School. This includes \$4,263 in contingency that will only be used with SFB staff approval.
17. Board approval of the staff recommendation that **Tucson Unified** be awarded \$36,000 in Building Renewal Grant funding for the replacement of the failed fire alarm system components at Myers/Ganoung Elementary School. This includes \$3,220 in contingency that will only be used with SFB staff approval.

18. Board approval of the staff recommendation that **Tucson Unified** be awarded \$35,600 in Building Renewal Grant funding for the replacement of the failed fire alarm system components at Drachman Primary Magnet School. This includes \$3,280 in contingency that will only be used with SFB staff approval.

Attachments: Yes [X] No []

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

District: **Bonita Elementary**
Project Number: **050316101-1003-003BRG** Graham County
Project Description: **Replace roof**
Architect of Record: **TBD**
Contractor: **Eagle Construction Company (928-428-0172)**
Board Approval: **9/3/2014**

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost		\$ 44,792
Contingency ①		\$ 3,208
Architecture / Engineering		\$ 2,000
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ 2,000
Total SFB Funded Project Cost:		\$ 50,000
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 50,000
Total Project Cost:		\$ 50,000

① Contingency will only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 7/10/2014 9:43:19 AM

Application ID: 1356

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: 1003 Intermediate & Middle School

Application Title: replace leaking roof

Description of Problem

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

Wood shake roof is over 30 year old is beginning to fale and leak into the class rooms

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

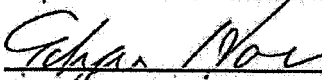
Please outline any associated insurance coverage.

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139


Superintendent Printed Name


Superintendent Signature


Date 7/10/14

Eagle Construction Company
707 W Relation St
Safford, Az 85546
(928)428-0172 office/fax
ROC 202364
ROC 202676

bid

INVOICE #342
DATE: JULY 30, 2014

TO: BONITA SCHOOLS

FOR: BID FOR ROOF

DESCRIPTION	AMOUNT
Remove existing <u>wood shingles</u> - Replace with wood shingles-	
Eagle Construction will be responsible for all labor and materials and all trash removal	\$38,400.00 Tax 2,391.20
Please make all checks payable to <i>Eagle Construction Company</i>	
Total	\$40,791.20 ✓

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

District: **Casa Grande Elementary**
BRG Project Number: **110404106-9999-017BRG**
Project Description: **Replace door hardware**
Architect of Record: **n/a**
Contractor: **DH Pace (480-968-3667)**

Pinal County

Board approval 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost		\$ 15,111
Contingency ①		\$ 4,889
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 20,000
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 20,000
Total Project Cost:		\$ 20,000

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 8/21/2014 8:16:22 AM

Application ID: 1486

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: Casa Grande Elementary District
Superintendent: Frank Davidson
Contact Person: Frank Corder
Contact Phone Number: 520-836-4782
Contact Email: frank.corder@cgelem.k12.az.us
School Site: Casa Grande Middle School (formerly Junior High School)
Buildings: 9999 School Wide

Application Title: Casa Grande Middle School - Door Hardware 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.

A recent event was experienced during a practice lock-down drill – several doors at the school could not be locked during the drill. This is a result of several factors:

- A majority of the hardware is very old. This type of hardware consists of an internal dead-bolt. After the numerous operations of the door hardware, these internal parts are wearing out.

1. We have recently been provided with a letter from the manufacturer that parts for this hardware are no longer being manufactured. The supplier has additionally used up their stock of parts.

- At any given time, any door may fail to operate. This is concerning to the occupants in the unfortunate time of potential instances of unsavory actions.

The district has 3 other locations where this hardware is installed. We would like to replace the hardware at Casa Grande Middle School with new "intruder" hardware, thus allowing the salvaged parts to be utilized for repairs and other district locations.

The estimated cost for this project is \$16,000

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
--	--------

Building Renewal Grant Application

Liaison: Cruse

pcruse@azsfb.gov

602-364-1193

FRANK DAVIDSON
Superintendent Printed Name

Frank Davidson
Superintendent Signature

8/21/14
Date



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: Casa Grande MS Hardware Replacement

Proposal Number: 4670JA

To: Dennis York
Casa Grande ES District
220 W. Kortsen Rd.
Casa Grande, AZ 85122

Date: 6-04-2014

PH: 520-876-3204

Email: 520-876-3633

We propose furnish and install the following:

Qty	Mfr	Part Number	Description	Finish	List Price Ea.	Mohave Discount	Mohave Unit price	Extended Total
Contract - 11F-DHP-0915 Hardware								
3	196	CL3357 NZD CL6	storeroom function 6 pin IC less core	626	\$516.00	41%	\$304.44	\$913.32
27	196	CL3355NZD CL6	classroom function 6 pin IC less core	626	\$516.00	41%	\$304.44	\$8,219.88
3	196	N855	exit device lever trim	630	\$524.00	41%	\$309.16	\$927.48
2	196	ED5200 36"	exit device	630	\$1,215.00	41%	\$716.85	\$1,433.70
3	196	3080-178-LC	rim cylinder housing for Less IC core	626	\$128.00	41%	\$75.52	\$226.56
0					\$0.00	0%	\$0.00	\$0.00
			Rental Equipment/Subcontract			0%	\$0.00	\$0.00
0			Mileage (\$.445/m outside 50 m radius)		\$0.445	0%	\$0.445	\$0.00
28		Hours	Labor (Field/Shop)				\$75.00	\$2,100.00
Material Sub Total Only								\$11,720.94
Freight 11%								\$1,289.30
Labor Total Only								\$2,100.00
Per Diem								\$0.00
Rental/Subcontract								\$0.00
Mileage								\$0.00
*Grand Total								\$15,110.24

Plus applicable taxes

(*) Parts/Accessories Price Book

(**) Parts/Accessories from parts Price Book

Scope of Work: replace the above hardware due to failure and/or parts are no longer available and discontinued or damaged.

DCR 5ea-locksets and 1ea-lever trim for exit device(broken)

Bldg A-2ea-new rim exits w/lever trim(exl sting exits discontinued and parts are not available),8ea-new locksets

Bldg B-9ea-new locksets

Bldg C-10ea-new locksets

Notes:

1. Standard manufacturer leadtimes .
2. **Excludes any tax.**
3. All work to be completed during normal business hours.
4. Quoted per job site survey and list provided to district.

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 ad 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: **Gila Bend Unified**
BRG Project Number: 070224002-1002-006BRG Maricopa County
Project Description: **Replace roof**
Consultant: Caruso Turley Scott (Brady K. Notbohm, PE, SE 480-774-1700)
Contractor: Jim Brown & Sons Roofing (623-247-9252)

Board approval: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 17,672
Contingency ①		\$ 3,728
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ 1,600
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ 1,600
Total SFB Funded Project Cost:		\$ 23,000
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 23,000
Total Project Cost:		\$ 23,000

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 7/28/2014 9:42:56 AM

Application ID: 1387

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: Gila Bend Unified District
Superintendent: Lynnette Michalski
Contact Person: Anna-Marie Perry
Contact Phone Number: 928-683-2225 xt126
Contact Email: anna-mariep@gbusd.org
School Site: Gila Bend High School
Buildings: 1002 Building B - Admin.

Application Title: Building B Roof

Description of Problem

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

Roof leaking & structural issues. The building formerly had a swamp cooler that was replaced with air conditioning unit

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

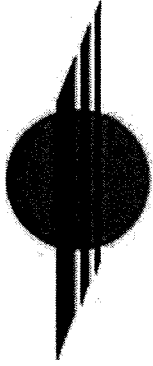
gbreuer@azsfb.gov

602-542-6139

Lynnette Michalski
Superintendent Printed Name

Lynnette Michalski
Superintendent Signature

7/29/14
Date



**CARUSO
TURLEY
SCOTT**
structural
engineers

STRUCTURAL
ENGINEERING
EXPERTS

PARTNERS

Richard Turley, PE
Paul Scott, PE, SE
Sandra Herd, PE, SE, LEED AP
Chris Atkinson, PE, SE, LEED AP
Thomas Morris, PE, LEED AP
Richard Dahlmann, PE

PROFESSIONAL
REGISTRATION

50 States
Washington D.C.
U.S. Virgin Islands
U.S. Puerto Rico
Saskatchewan

August 4, 2014

Ms. Anna-Marie Perry
Gila Bend Unified School District
308 N. Martin Ave.
Gila Bend, AZ 85337
P: (928) 683-2225
E: Anna-MarieP@gbusd.org

RE: Roof Framing Review
High School Admin Building (SFB# 1002)
Gila Bend, AZ
CTS Job No.:

CLIENT INFORMATION:

CLIENT PROJECT NUMBER

PROJECT MANAGER

OTHER

Dear Ms. Perry:

This will confirm our fee to provide a structural review of the existing roof framing for the above referenced building to determine its condition prior to the proposed replacement of the existing roofing material. Our **Basic Services** will be billed at a **Fixed Fee** of One Thousand Six Hundred Dollars (\$1,600.00).

Basic Services will include a written report of the overall condition of the existing roof framing and address specific items discovered by a limited visual observation of the building. The observation will consist of examining the interior and exterior walls, the roof inside and out, and any other structural elements readily visible. The observation is intended to visually examine the building for evidence of past or future structural problems prior to roofing material replacement. **If any deficiencies are found, they will be identified along with the associated design budget to provide the required engineering and repair details to fully address the deficiency.**

A guarantee that the building is constructed in compliance with all applicable building and construction codes and/or the original contract documents is neither intended nor implied. No analysis, material testing or destructive examination will be provided.

Payment for Services as described above shall be made monthly upon the presentation of the Engineer's invoice based on time expended. Interest at 1.5% per month will be paid on all invoices after 60 days from billing date.

At the commencement of engineering services, a "Preliminary Notification" will be forwarded to the property owner and/or tenant. The "Preliminary Notification" is not a lien, but state law requires the distribution of a "Preliminary Notification" issued at the commencement of engineering services to maintain the option of filing a lien for nonpayment of engineering services at a future date. This "preliminary notification" is customary and routine in the construction industry and informs the recipient of their legal rights and obligations. **If this contract meets with your approval, please sign, date and fax or e-mail back to our office for authorization to proceed (480-731-1273 or bkelly@ctsaz.com).**

Respectfully Submitted By:
CARUSO TURLEY SCOTT INC.

Brady K. Notbohm, PE, SE
Project Manager
File: V:\Contracts 2014\Brady Notbohm 2014\BKN - Gila
Bend USD - Admin Roof Review - Gila Bend, AZ\BKN - Gila
Bend USD - Admin Building Roof Review.docx\bkbn

Accepted By:
GILA BEND UNIFIED SCHOOL DISTRICT

Name: _____

Title: _____

Date: _____

IF ANOTHER PARTY IS RESPONSIBLE FOR PAYMENT

Please advise our office at 480-774-1700 for separate approval to proceed.

1215 W. Rio Salado Pkwy.
Suite 200
Tempe, AZ 85281
T: (480) 774-1700
F: (480) 774-1701
www.ctsaz.com

"SIMPLY THE BEST"
ROOFING SPECIALISTS
www.jimbrownandsonsroofing.com

Jim BROWN
SONS ROOFING

Industrial

Commercial

Residential

Maintenance

To: **Gila Bend Unified School District**
308 N. Martin Ave.
Gila Bend, AZ 85337

Date: **August 14, 2014**
Project: **Re-Roof Admin. Bldg.**
Attn: **Walter Gonzalez**

Provided by: **Scott Brown**

PROPOSAL AND ADDENDUM

Jim Brown & Sons Roofing Co., Inc. hereinafter referred to as "Contractor", agrees to furnish labor, materials, equipment, and incidentals necessary to complete the following described work. The work to be performed is as follows:

Bid ID Number: **None**

Bid Source: **None**

System quoting & wind uplift rating:

- Tear off the existing shingles, felt, pipe flashings, drip edge and fascia metal and dispose of properly
- Inspect for deteriorated wood and replace as needed (extra charge per attached wood price sheet)
- Install (1) layer of 30lb. ASTM Felt in a watertight manor and secure properly
- Install new Kynar 26 Gauge Electric Blue 3" x 3" Drip Edge and Fascia Cover Metal
- Install new Owens Corning Oakridge 30 Year Laminated Shasta White Shingles with (6) nails per shingle
- Install new pipe flashings, seal and paint to match shingles
- Supply a roll off dumpster for roofing debris
- Supply portable restroom
- Clean up and remove all roofing related debris from the premises

Manufacturer's warranty: **30 Year**

Our warranty: **2 Year**

Deck size & type: **4,600SF/Plywood**

Type of walls: **None**

Insulation type, size and R-value used: **None**

Metal flashings supplied and installed: **Kynar Drip Edge, Fascia Cover, Pipe Flashings, Vents**

Roof top equipment to be roofed around: **HVAC Units**

Taper system: **None**

Taper crickets: **None**

Addendums: **None**

Price: **\$17,672.00**

Alternate systems:

None

Special Notes:

None

5537 N. 59th Ave. • Glendale, AZ 85301-3711 • Phone (623) 247-9252 • Fax (623) 435-8577
ROC Residential License #061127 • Commercial License #082024

PROPOSAL ADDENDUM

1. **Exclusions:** Vapor barrier, sales tax, painting, chem-curbs, wood, metal flashings not indicated above, GSM, lead, lead pipe flashings, below grade waterproofing, bonds, building permits, NESHAP reports, directional realignment of satellites, asbestos abatement, and prevailing wages unless otherwise stated.
2. The price quoted in this proposal is valid only for orders placed within the next 30 days.
3. This price is valid only for work during normal daylight business hours, Monday thru Friday. This price is valid only for this schedule period and the information listed on this bid form. If we will be required to work nights or weekends, there will be an additional charge.
4. If it is not listed on this form, then it is not included in this bid.
5. Most roofing systems do not eliminate pooling water but conforms to the existing structure. Refer to Arizona Registrar of Contractors pooling water standards for acceptable amounts. If pooling does occur and you wish to reduce the pooling water it can be done for an extra charge.
6. We will use this proposal and addendum as an attachment to our contract if we are chosen as the roofing contractor.
7. This proposal is only valid if we receive a fair contract or purchase order.
8. If payment is to be made by credit card, a 2% charge will be incurred by the customer.
9. 0 % down payment required prior to start of work.

EXTRA WOOD CHARGES - WOOD REPLACEMENT

This schedule is incorporated and listed as item "A" in the "Extra Charges" section of the Proposal and Contract.

Plywood:	(Minimum Charge - 1 Sheet)		Fascia:	(Minimum Charge - 8 Feet)	
CDX Plywood	\$66.00	Per Sheet	1"x6" Fascia	\$10.00	Per Linear Foot
CCX Plywood	\$71.00	Per Sheet	1"x8" Fascia	\$12.00	Per Linear Foot
ACX Plywood	\$89.00	Per Sheet	2"x6" Fascia	\$14.00	Per Linear Foot
½" OSB Board	\$59.00	Per Sheet	2"x8" Fascia	\$19.00	Per Linear Foot
			2"x10" Fascia	\$22.00	Per Linear Foot
			2"x12" Fascia	\$24.00	Per Linear Foot
Shingle Molding:	(Minimum Charge - 8 Feet)				
1"x2" Molding	\$3.00	Per Linear Foot			
1"x3" Molding	\$4.00	Per Linear Foot	Rafter:	(Minimum Charge - 8 Feet)	
1"x4" Molding	\$5.00	Per Linear Foot	2"x4" Rafter	\$10.00	Per Linear Foot
			2"x6" Rafter	\$12.00	Per Linear Foot
Sheeting:	(Minimum Charge - 8 Feet)		2"x8" Rafter	\$16.00	Per Linear Foot
1"x6" Sheeting	\$6.00	Per Linear Foot	2"x10" Rafter	\$18.00	Per Linear Foot
1"x8" Sheeting	\$7.00	Per Linear Foot	2"x12" Rafter	\$20.00	Per Linear Foot
1"x10" Sheeting	\$8.00	Per Linear Foot			
1"x12" Sheeting	\$10.00	Per Linear Foot	Custom Wood:	(Including Unlisted Items)	
1"x8" Shiplap	\$10.00	Per Linear Foot	Labor Cost + Material Cost + 40%		

Prices noted in this section are for the "complete installation" of the product. Material, labor, delivery, etc. included. Painting is NOT included in the above prices.

Acknowledge: _____
(Owner's Signature)

Today's Date: _____

EXTRA CHARGES - POOLING WATER

This schedule is incorporated and listed as item "B" in the "Extra Charges" section of the Proposal and Contract.

Per the Arizona State Registrar of Contractors Office, Jim Brown & Sons Roofing Co., Inc. must inform you in writing that roofing systems conform to the existing roof structure and may not eliminate pooling water. If pooling water does occur and you wish to have it eliminated or reduced, there will be an extra charge to perform that work. The amount of the extra charge cannot be determined until the work is performed. If you choose not to have work performed on the pooling areas, you are relieving Jim Brown & Sons Roofing Co., Inc. of all responsibilities that may arise due to the pooling water.

Acknowledge: _____
(Owner's Signature)

Today's Date: _____

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

District: **Gila Bend Unified**
BRG Project Number: 070224002-1001-007BRG
Project Description: **Replace exterior door hardware**
Consultant: n/a
Contractor: Principal Door Service (480-295-2595)

Maricopa County

Board approval: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 21,675
Contingency ①		\$ 1,325
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 23,000
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 23,000
Total Project Cost:		\$ 23,000

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 7/28/2014 9:45:34 AM

Application ID: 1388

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: Gila Bend Unified District

Superintendent: Lynnette Michalski

Contact Person: Anna-Marie Perry

Contact Phone Number: 928-683-2225 xt126

Contact Email: anna-mariep@gbusd.org

School Site: Gila Bend High School

Buildings: 1001 Building A

Application Title: Building A Door Hardware

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.

Exterior door hardware failure.

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

Lynnette Michalski
Superintendent Printed Name

Lynnette Michalski
Superintendent Signature

7/29/14
Date

Principal Door Service LLC

"If it swings, slides, or rolls..." www.principaldoor.com

Leon R. Wallens (480) 295-2595 F: (480) 275-6888

2009 E. 5th Street, Suite 7 Tempe, AZ 85281

LWALLENS@PRINCIPALDOOR.COM ROC#246517

ESTIMATE

DATE: 08 | 19 | 14

Job Site: GILA BEND SCHOOL

Company: GILA BEND UNIFIED SCHOOLS

Address: 308 N. MARTIN AVE.

Contact: WALTER GONZALEZ

GILA BEND, AZ 85337

Office Phone: 928-683-2225 (EXT 139) Cell: 928-246-9608

WALTER GONZALEZ 928-246-9608
SITE CONTACT & PHONE NUMBER

Email: WALTERG@GBUSD.ORG

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
	Principal Door Service to furnish labor and materials to:		
	Rehab Exterior Classroom Doors:		
	Remove and Haul All Hardware from 11 Classroom Doors,		
	Prep All Doors, Frames & Openings		
	and Install:		
11	Corbin Russwin 5200 Stainless Steel Grade 1 Panics with Cylidner Dogging		
11	Corbin Russwin Finger Pulls with Cylinder Preps		
11	Heavy Duty Grade 1 Surface Mounted Closers with Parallel Arm Installation		
	with Hold Open Option		
33	NRP BB 4½ x 4½ Hinges		
11	Heavy Duty 5" Reinforced Aluminum Thresholds		
11	Stainless Steel Kick Plates		
11	Sets of Jamb-Up Perimeter Seal		
11	Heavy Duty Aluminum & Rubber Sweeps		
11	Stainless Door Patch Wrap to Cover Old Preps		

CONTINUED ON PAGE 2

"If it swings, slides, or rolls..." www.principaldoor.com

DATE: 08 | 19 | 14

[illegible]

All material is guaranteed to be specified, and the above work to be performed in a substantial workmanlike manner. Any alteration from above specification involving extra cost will be executed only upon written order, and will become extra charge over the above estimate. All agreements are contingent upon strikes, accidents, or delays beyond our control. Quote is valid for 60 days.

X _____ *Print Name*

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency

X Building Renewal Grant Fund

District: **Gila Bend Unified**
BRG Project Number: 070224001-9999-008BRG
Project Description: **Replace basketball courts**
Consultant: Orcutt/Winslow (602-257-1764)
Contractor: TBD

Maricopa County

Board approval: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 95,000
Contingency ①		\$ 5,000
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ 16,885
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ 2,000
Total Additional Cost:		\$ 18,885
Total SFB Funded Project Cost:		\$ 118,885
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 118,885
Total Project Cost:		\$ 118,885

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 7/30/2014 4:43:27 PM

Application ID: 1402

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: Gila Bend Unified District
Superintendent: Lynnette Michalski
Contact Person: Anna-Marie Perry
Contact Phone Number: 928-683-2225 xt126
Contact Email: anna-mariep@gbusd.org
School Site: Gila Bend Elementary
Buildings: 9999 School Wide

Application Title: Basketball Courts

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 two basketball courts that are cracked.

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

Lynnette Michalski
Superintendent Printed Name

Lynnette Michalski
Superintendent Signature

7/30/14
Date

orcutt | winslow

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

August 20, 2014

Re: Gila Bend Unified School District
Subj: SFB Building Renewal Grant Application ID no. 1402 "School Wide Basketball Court replacement" to address two cracked and collapsing courts at the elementary school

Dear Gerry,

Per District request, we are providing a proposal to provide services to address the referenced Application (attached) which includes services as follows:

Provide geotechnical investigation to provide earthwork and foundation design recommendations:
\$2,100

Architectural design services to develop documents suitable for a public bid for construction:
\$5,670

Prepare for and Conduct bidding process, aid in selection process, and construction administration assistance:
\$4,995

Total fee not including permit or civil work: \$12,765

Cost estimate for construction work including striping and basketball goals: \$95,000

Potential added items:

As the District is hoping to leave courts in the present location, we do not anticipate the need for permitting process work (permit fees to be paid by District) or civil engineering work. In the event the courts must move due to soil conditons or if a permit is required by county, the cost for Orcutt Winslow facilitating the permit process: \$1,620

Civil engineering as necessary to establish top of slab elevations and tie into adjacent grades for proper drainage and accessibility associated with documentation that would be required for a permit submittal:

Civil Survey: \$1,000

Civil Engineering Plans: \$1,500

Total Civil effort: \$2500

Sincerely,



Tim Scolaro

PHOENIX MUMBAI SAN DIEGO
ARCHITECTURE PLANNING INTERIOR DESIGN

3003 n central ave
sixteenth floor
phoenix az 85012
602 257 1764 I
602 257 9029 I
www.owp.com

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency

 X Building Renewal Grant Fund

District: **Gila Bend Unified**
BRG Project Number: 070224002-1008-009BRG
Project Description: **Replace HVAC blower motor**
Consultant: n/a
Contractor: A Quality HVAC (Bryan Cary 623-853-1482)

Maricopa County

Board approval: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 1,904
Contingency ①		\$ 596
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 2,500
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 2,500
Total Project Cost:		\$ 2,500

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 8/11/2014 2:00:42 PM

Application ID: 1434

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: Gila Bend Unified District

Superintendent: Lynnette Michalski

Contact Person: Anna-Marie Perry

Contact Phone Number: 928-683-2225 xt 126

Contact Email: anna-mariep@gbusd.org

School Site: Gila Bend High School

Buildings: 1008 Building G

Application Title: Gym Blower Motor

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 blower motor and assembly for 5 ton HVAC unit. A piece of metal broke and caused the damage to the motor and assembly, damage is not repairable

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

Lynnette Michalski
Superintendent Printed Name

Lynnette Michalski
Superintendent Signature

8/11/14
Date

Anna-Marie Perry

From: Bryan Cary [bryan@aqualityhvac.org]
Sent: Thursday, July 24, 2014 9:59 AM
To: Walter Gonzalez
Cc: Anna-Marie Perry
Subject: Blower wheel and motor

Walter

I got pricing back on the blower assembly and the motor.

Blower assembly is \$745.00

Blower motor is \$781.00

And we are estimating 3 hours. (87*3) \$261 labor (if less we will charge for less)

So \$1787.00 plus tax to rebuild/install new blower assembly and install new motor.

Let me know how you would like us to proceed.

6.5% = \$1164.00

Bryan

Bryan Cary

Director of Operations

623-853-1482 Office - 602-703-5873 Direct line

IGPA (Government Procurement Alliance Contract) ~ Small Business Certified HVAC & Electrical ~ GSA Contract Schedule 56

www.GotColdAir.com



SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Globe Unified**
BRG Project Number: 040201004-9999-002BRG Gila County
Project Description: **Replace chiller pumps**
Consultant: n/a
Contractor: Pueblo Mechanical & Controls, Inc. (800-840-9170)

Board Approval: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 28,619
Contingency ①		\$ 2,881
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 31,500
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 31,500
Total Project Cost:		\$ 31,500

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: 8/13/2014 7:15:23 PM

Application ID: 1439

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: Globe Unified District
Superintendent: Jerry Jennex
Contact Person: Jennifer Kinnard
Contact Phone Number: 928-402-6030
Contact Email: Jennifer.Kinnard@globeschools.org
School Site: Globe High School
Buildings: 9999 School Wide

Application Title: Globe High School Chiller Pumps

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.

Three chilled water pumps that operate in conjunction with the chiller unit are failing.

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.

Due to our rural location it has been difficult to find vendors qualified to work on a chiller system. The system was installed approximately in 1992.

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139

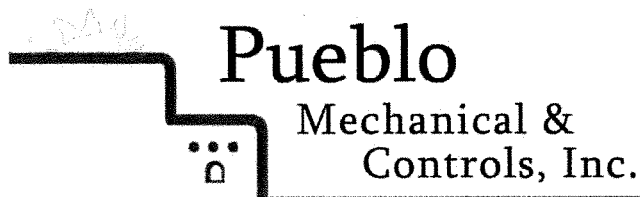
JERRY JENNEX
Superintendent Printed Name


Superintendent Signature

8/14/2014
Date

8/13/2014 7:15:22 PM

Application ID: 1439



Pueblo

Mechanical &
Controls, Inc.

(800) 840-9170

PROPOSAL - Globe HS 3 Chilled Water Pump Replacement

Mohave JOC
#09D-PMAC-0902

PMC Proposal #:14-08-023

From: Pueblo Mechanical and Controls, Inc.

Date: 8/15/2014

Attn: Lee Kinnard
Globe School District No.1
460 N Willow
Globe, AZ 85501

Dear Lee,

Pueblo Mechanical and Controls appreciates the opportunity to look at this project and is pleased to provide the following scope for replacing three chilled water pumps at Globe HS.

Scope of Work:

- Disconnect power to equipment.
- Remove existing three defective chilled water pumps, and properly dispose.
- Replace with three new properly sized chilled water pumps, align.
- Reconnect power to equipment.
- Re-insulate disturbed piping and pumps.
- Start up and check operation.

We Exclude The Following:

- Repair or replacement of any existing device found to be inoperable.

Complete material, service, and labor sub total:		\$	27,103.77
Mandated applicable taxes:	[5.590%]	\$	1,515.10
Bonding:	[0%]	\$	0.00

Total Cost:		\$	28,618.87
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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.

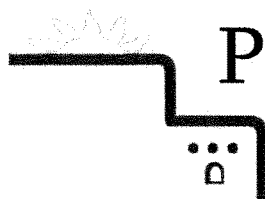
ALL PRICES QUOTED ABOVE ARE VALID FOR 120 DAYS

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

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

www.pueblo-mechanical.com

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



Pueblo

Mechanical &
Controls, Inc.

(800) 840-9170

Best Regards,

Mark Christensen

520-545-1044 520-545-1048

Mark@pueblo-mechanical.com

Acceptance of Proposal: The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified.

Name

Signature

Date

Due to the high cost of equipment and/or extended nature of this project progress billing may be required; if a purchase order is created for this project the owner agrees to accept progress billing for demonstrated and verifiable completed work and/or arrival of equipment items pending installation.

ALL PRICES QUOTED ABOVE ARE VALID FOR 120 DAYS

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

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

www.pueblo-mechanical.com

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

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

District: **Kingman Unified**
BRG Project Number: **080220114-1001-005BRG** Mohave County
Project Description: **Replace chiller piping/valves**
Architect of Record: **n/a**
Contractor: **Pueblo Mechanical & Controls, Inc. (800-840-9170)**
Board Approval: **9/3/2014**

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost (cost estimate provided by architect or contractor)		\$ 10,104
Contingency ①		\$ 1,896
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 12,000
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 12,000
Total Project Cost:		\$ 12,000

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: 8/7/2014 12:19:06 PM

Application ID: 1425

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: Kingman Unified District
Superintendent: Roger Jacks
Contact Person: Craig Schritter
Contact Phone Number: 928 530 0636
Contact Email: cschritter@kusd.org
School Site: Kingman Middle (formerly Kingman Junior High School)
Buildings: 1001 School-1001

Application Title: HVAC 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.

The supply pipes and valves to the chillwater air handler (multi zone type) have corroded and are leaking.

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

Roger Jacks
Superintendent Printed Name

[Signature]
Superintendent Signature

08/07/2014
Date

8/7/2014 12:19:05 PM

1

Application ID: 1425



Pueblo

**Mechanical &
Controls, Inc.**

(800) 840-9170

PROPOSAL - Kingman Middle School AHU Piping Repairs

**Mohave JOC
#09D-PMAC-0902**

PMC Proposal #:14-07-087

From: Pueblo Mechanical and Controls, Inc.

Date: 8/5/2014

Attn: Bill Helzer
Kingman Unified School District # 20
3033 Macdonald Ave
Kingman, AZ 86401

Dear Bill,

Pueblo Mechanical and Controls appreciates the opportunity to look at this project and is pleased to provide the following scope for Kingman Middle School AHU Piping Repairs.

Scope of Work:

- Make safe AHU for piping rework
- Drain system as required
- Remove existing insulation to point upstream of existing isolation valves
- Remove existing piping from AHU to before existing isolation valves (See "Existing" sketch)
- Provide and install new grooved piping from point of demolition to AHU (See "New" Sketch)
- Install new pneumatic 3 way mixing valve
- Test system for leaks
- Test control valve for operation
- Re-insulate piping to match existing
- Clean up work area
- Provide O&M data for new control valve
- Provide 2 year warranty on parts & Labor

We Exclude The Following:

- Repair or replacement of any existing device found to be inoperable.
- Engineering, permits and fees.
- Asbestos abatement, testing, reporting. We do not provide this service from a liability standpoint.
- Any work not included in scope of work listed above.

Complete material, service, and labor sub total:		\$ 9,612.69
Mandated applicable taxes:	[5.1025%]	\$ 490.49
Bonding:	[N/A]	\$ 0.00

Total Cost: ~~10,103.18~~ **\$10,103.18**

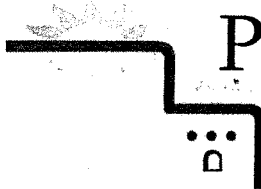
ALL PRICES QUOTED ABOVE ARE VALID FOR 120 DAYS

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

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

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



Pueblo

Mechanical &
Controls, Inc.

(800) 840-9170

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 Manager
Business: (800) 840-9170 Ext: 111 / 203
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.

ALL PRICES QUOTED ABOVE ARE VALID FOR 120 DAYS

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

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

www.pueblo-mechanical.com

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

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

District: **Kirkland Elementary**
BRG Project Number: **130323001-9999-004BRG**
Project Description: **Replace carpets**
Architect of Record: **n/a**
Contractor: **Prescott Floors (928-771-9121)**

Yavapai County

Board approval: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 5,142
Contingency ①		\$ 858
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 6,000
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 6,000
Total Project Cost:		\$ 6,000

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 7/17/2014 9:52:24 AM

Application ID: 1367

Resubmittal Date:

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

District Name: Kirkland Elementary District
Superintendent: Michelle Perey
Contact Person: Michelle Perey
Contact Phone Number: 9284423258
Contact Email: mperey@kirklandaz.org
School Site: Kirkland Elementary School
Buildings:
1001 Main Bldg
1003 Sp Ed

Application Title: Flooring

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 carpet in 'one room classroom' of building 1001 has deteriorated and become a safety issue. Carpet in the one classroom special education in building 1003 has become a safety hazard.

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.

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139

Michelle Perey
Superintendent Printed Name

Michelle Perey
Superintendent Signature

8/20/14
Date

8/21/2014 10:34:52 AM

PRESCOTT FLOORS
1239 IRON SPRINGS RD
PRESCOTT, AZ 86305
Telephone: 928-771-9121 Fax: 928-771-2336

Page 1

ES420859

ESTIMATE

Sold To		Ship To	
KIRKLAND SCHOOL PO BOX 210 KIRKLAND, AZ 86332 <i>ATTN: Michelle Perry</i>		KIRKLAND SCHOOL 14200 W KIRKLAND-HILLSIDE RD KIRKLAND, AZ 86332	
Quote Date	Phone#	PO Number	Quote Number
08/20/14	928-442-3258		ES420859

Style/Item	Color/Description	Quantity	Units	Price	Extension
CARPET TBD/COLOR TBD		1.00	EA	4,938.00	4,938.00
Carpet 26 oz solution dyed Nylon, Style & Color TBD installed in class room, lab, halls, baths, office, sub office and storage; includes new cove base, R&R furniture					

— 08/20/14 —

4:03PM —

Sales Representative(s):

AREA RUGS

Material: 0.00

Service: 4,938.00

Misc. Charges: 0.00

Sales Tax: 203.82

Misc. Tax: 0.00

50% Deposit required prior to start of project
ACCEPTANCE OF ESTIMATE:

Signature/Date

ESTIMATE TOTAL: \$5,141.82

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Lake Havasu Unified**
Project Number: **080201207-1002-008BRG**
Project Description: **Replace emergency exit lights**
Architect of Record: **n/a**
Contractor: **Sam Nichols Electrical, Inc. (928-855-4121)**
Board Approval: **9/3/2014**

Mohave County

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost		\$ 3,032
Contingency ①		\$ 968
Architecture / Engineering (A&E)		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection (structural and geo-tech)		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 4,000
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 4,000
Total Project Cost:		\$ 4,000

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: 7/9/2014 7:48:08 AM

Application ID: 1354

Resubmittal Date:

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

District Name: Lake Havasu Unified District
Superintendent: Gail Malay
Contact Person: John Simpson
Contact Phone Number: 928-208-6457
Contact Email: jsimpson@havasus.k12.az.us
School Site: Lake Havasu High School
Buildings: 1002 A

Application Title: Emergency Exit lighting

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.

In the old gym built in 1969 we do not have any Lighted Emergency Exit signs or lights if we were to have any type of power outage at night. At this time all we have are painted signs attached to the walls by the doors.

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.

There is no insurance that would cover this project.

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139

Gail Malay
Superintendent Printed Name

Gail Malay
Superintendent Signature

7-10-14
Date

7/9/2014 7:48:08 AM

Application ID: 1354



66 Capri Ln, Lake Havasu City, AZ
(928)855-4121 Fax (928)855-4123
Lic # ROC 92009, ROC 92010, ROC 198333

8-Aug-14
Estimate Number
E7581

ELECTRICAL ESTIMATE

To: Tony Monda
Of: Lake Havasu Unified School District
Address: 2200 Havasupui Blvd.
Lake Havasu City, AZ
Phone: (928) 486 9714
Email: tmonda@havasu.k12.az.us
Job location: High school, Lake Havasu City, AZ

Total no tax: \$2,884.66
Tax if applicable: \$147.19
Total including tax: \$3,031.85



From: David McAtlin

Estimate Scope

Furnish and install (2) emergency light fixtures with two heads and (2) wire guards; (8) exit/emergency fixtures with two emergency heads with (5) wire guards connect new fixtures to nearest existing branch circuit; (4) duplex outlets and covers; 2 Switches and covers.

Accepted By: _____

This estimate will be honored until 7-Oct-14

Estimate Exclusions

Any removal of hazardous waste.

Any permits or fees required unless other wise noted in the scope of work.

Any cost required by Utility Companies.

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**Detail of Additional Cost and Contingency
 X Building Renewal Grant FundDistrict: **Tonto Basin Elementary**BRG Project Number: **040333101-1002-005BRG**

Gila County

Project Description: **Repair roof leaks**Architect of Record: **n/a**Contractor: **High Tech Roofing (623-688-4354)**Board Approval Date: **9/3/2014**

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost (cost estimate provided by architect or contractor)		\$ 1,850
Contingency ①		\$ 1,650
Architecture / Engineering (A&E) Fees		\$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 3,500
District Share (Local Funds):		\$ -
SFB Board Approved Amount:		\$ 3,500
Total Project Cost:		\$ 3,500

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 8/12/2014 11:17:21 AM

Application ID: 1436

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: Tonto Basin Elementary District

Superintendent: KEITH GREER

Contact Person: Gene Fry

Contact Phone Number: 928-978-3054

Contact Email: gfry@tontobasinschool.org

School Site: Tonto Basin Elementary School

Buildings: 1002 Steele Addition

Application Title: Roofing

Description of Problem

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

Roof leaks where steel building addition attaches to the main gymnasium metal building. This is causing flooding in the classrooms.

Project Category: Roofing

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

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

The TRUST completed a mold test - test negative.

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139

KEITH GREER
Superintendent Printed Name

Keith Greer
Superintendent Signature

8/12/14
Date

PROPOSAL & CONTRACT

LICENSES 157778
157777

P.O. Box 1095

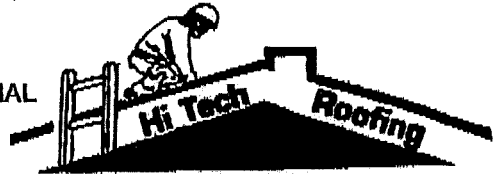
Apache Junction, AZ 85247-1095

602-750-0491 Mobile

480-474-9134 Fax

1854 S. HILL ST
MESA AZ 85204

RESIDENTIAL • COMMERCIAL



ROGER
623-688-4354

CH004

PROPOSAL SUBMITTED TO

TONTA BASIN SCHOOL

PHONE

1-928-978-3054 8-19-14

STREET

JOB NAME

SANAR

CITY, STATE, AND ZIP CODE

ARCHITECT

DATE OF PLANS

JOB PHONE

We hereby submit specifications and estimates for:

1. BACK TIE IN HOUSE BUILDING TO H-1614

SUPPLY ALL MATERIALS NECESSARY TO
REMOVE COUNTER FLASHING AT TIE IN.
SUPPLY BACHEL ROD AS NECESSARY TO FILL
GAP.

SPRAY APPLY URETHANE FOAM AS NECESSARY
TO FORM WALL FLASHING & SEAL TIE IN
FOR WATER PREVENTION.
AFTER DETAILING FOAM
SUPPLY TAN ACRYLIC COATING &
COAT ALL FOAM WORK

We Propose hereby to furnish material and labor - complete in accordance with above specifications, for the sum of:

1850 ⁰⁰ ~~EIGHTEEN HUNDRED~~ 50 ⁰⁰ Dollars (\$ 1850 ⁰⁰)

Payment to be made as follows:

AT COMPLETION

All material is guaranteed to be as specified. All work to be completed in a workman like manner according to standard practices. 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. Our workers are fully covered by Workman's Compensation Insurance.

Authorized
Signature

Roger Latta

Note: This proposal may be withdrawn by us if not
accepted within _____ days.

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.

Signature _____

Date of Acceptance: _____

Signature _____

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

District: **Tucson Unified**
BRG Project Number: 100201191-9999-006BRG Pima County
Project Description: Replace stucco
Consultant: Swaim Associates (Mark E. Bollard 520-326-3700)
Contractor: TBD
Board Approval Date: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 75,000
Contingency ①		\$ 8,000
Additional Cost:		
Architecture / Engineering (A&E) Fees		
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ 5,000
Total Additional Cost:		\$ 5,000
Total SFB Funded Project Cost:		\$ 88,000
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 88,000
Total Project Cost:		\$ 88,000

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date:

Application ID: 1310

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: Davis Bilingual Magnet School
Buildings:

1001	DASE1001
1002	DASE1002
1003	DASE1003
1004	DASE1004
1005	DASE1005

Application Title: Stucco and Wall Damage Repair at Several Locations

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 Activity Building has developed severe problems in the walls, the stucco and other building elements due to water damage that appears to developed in the perimeter walls. An architect is being retained to do a more detailed analysis and develop a corrective solution. In addition, the exterior stucco in some locations is failing and large sheets of the top layers of stucco are not bonded to the under coats similar to a deficiency addressed in the past. There are other minor stucco failure points that need to be addressed also.

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.

District does not have insurance funds that will cover the cost of this work.

Building Renewal Grant Application

Liaison: Demland

ddemland@azsfb.gov

602-542-6567

DR. H. T. SANCHEZ
Superintendent Printed Name

Marcos E. Lopez FOR DR. H.T. Sanchez 8.18.14
Superintendent Signature Date

August 11, 2014

Stucco Damage Evaluation
Tucson Unified School District
Davis Elementary School
500 W. St. Mary's Road
Tucson, AZ 85701

Site Visit #1

On July 14th I reviewed the site conditions with Marcus Jones and Linda Wright, both with TUSD.

- a. Main Building: I performed a general observation of the entire perimeter. Overall, the stucco damage was relatively minor considering the area. There was a 25 sq. ft. failure high on the Southeast corner. It appears that the failure is in the top coat. In miscellaneous areas around the base, the top coat has failed or is loose. Some small repairs have been completed.
- b. MPR Building: This building has significant stucco and substrate failure along the wainscoting, specifically on the South side and Southwest corner. Small cracks have developed at the decorative pop out in other areas and the surface has miscellaneous hairline cracks. All of the joints at steel canopy penetrations require repair and caulking. The decorative band at 10' is showing rust stains, so moisture is penetrating to the lath.

Site Visit #2

On July 28th I reviewed the site conditions with Mario Durazo, of Durazo Construction, and David Bracamonte of Koedyker and Kenyon Lath and Stucco.

- a. Main Building: Failures in the top coating only, $\pm 1/8$ " thick. Repairs will require removal of the loose top coat material, proper preparation of the substrate, and re-application of a cement plaster. The majority of the repairs are low, where the walls meet the finished grade, in most cases a concrete sidewalk. There is no weep screed around the base.
- b. MPR Building: Several test cuts, interior and exterior, were performed. General observations include:
 - West side cut high, 3' below parapet, indicated stucco in good condition, no rust on lath.
 - South side cut near band, $\pm 10'$ above grade, indicated rust on lath.

- Confirmed that high band is constructed out of wood. Nails popping in several locations. Top of band showing cracks.
- South side, interior (same wall with exterior stucco failure) access cut at 7' above floor, exterior sheathing is completely water damaged, brittle and rotted.
- South side, interior, access cut at 12' above floor did not show the same sheathing damage.
- Exterior, south side at damage, furring pieces of lumber to create pop out are water damaged, sill at 2' x 6' structural wall appears to be sound.
- Roof appears to be in good condition.
- Cap flashing on parapet is flat, evidence of ponding water. Joints use concealed joint detailing, there may be some leakage. Construction Drawings indicate no special detailing at the parapet top.

Available Documentation

a. Main Building: Drawings dated 2003

- i. Miscellaneous stucco repairs were performed on this building. The specifications required a three coat stucco system on self-furring lath. The finish paint specified was an acrylic paint. There were no specific details provided.

b. MPR Building: Drawings dated 2003

- i. The stucco and paint specification is the same as the main building. There are no details on the "wood box out" that creates the wainscoting around the base of the building, either what it is made out of or how it is secured to the 2 x 6 wall.

Corrective Action

- a. Main Building: The damage at the bottom of the building is most likely attributed to wicking of moisture. Although there is no evidence of complete stucco system failure, the top coat has separated. Due to the age of the building, the substrate is most likely brick. Existing detailing will not allow for the institution of a weep screed without extensive work.

- i. Cost to repair top coat in select areas, re-paint to match.
Estimated cost of construction: \$10,000.00.

b. MPR Building: Per the Contractor, wood is a poor substrate for accents. Water penetration through the cap and through cracks creates swelling, compounding the problem. The test cuts indicate moisture penetration from the high accent band down. Even though test cuts were performed on two faces of the building, we speculate that the problem extends around the building. Corrective action is extensive. As part of the corrections, we recommend that all horizontal banding be eliminated.

- Parapet Cap: Remove cap and wrap top with a self-adhered waterproof membrane. Introduce slope in metal cap and provide new.
- Remove and replace stucco from approximately 11 feet down and install new with an acrylic top coat. Replace water damaged batt insulation and sheathing. This budget assumes replacement of stucco around the building.

i. Estimated cost of construction \$65,000.00
(Note this budget includes a \$5,000.00 allowance for removal of possible mold.)

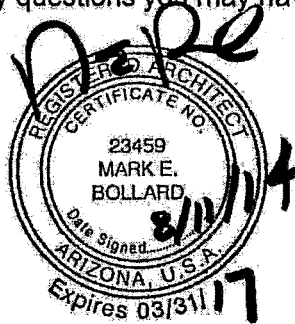
Exclusions

- a. Drawing, Permits, and Fees
- b. Removal of interior gypsum board

Please contact me with any questions you may have.

Sincerely,

Mark E. Bollard, AIA



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

District: **Tucson Unified**
BRG Project Number: 100201228-1001-007BRG Pima County
Project Description: Refurbish cooling tower
Consultant: n/a
Contractor: Sun Mechanical Contracting, Inc. (Jacob Hunter 520-790-3100)
Board Approval Date: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 10,759
Contingency ①		\$ 1,141
Additional Cost:		
Architecture / Engineering (A&E) Fees		
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 11,900
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 11,900
Total Project Cost:		\$ 11,900

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: 8/21/2014 9:11:19 AM

Application ID: 1482

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: 520-225-4882
Contact Email: marcus.jones@tusd1.org
School Site: Gale Elementary School
Buildings: 1001 GALE1001

Application Title: Cooling Tower Refurbishing

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 cooling tower fill material at Gale Elementary School has become clogged to the point that it cannot be cleaned and needs to 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.

This work is not covered by any district insurance.

Liaison: Demland

ddemland@azsfb.gov

602-542-6567

DR. H. T. SANCHEZ
Superintendent Printed Name

Marcus E. Jones for Dr. H. T. Sanchez
Superintendent Signature

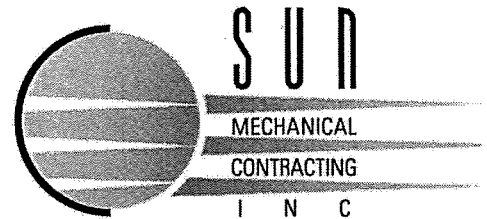
8-21-14
Date

8/21/2014 9:11:18 AM

1

Application ID: 1482

PROPOSAL



August 20, 2014

Quote # 14-S487

Mr. Raymond Stoddard
Project Manager
TUSD
1010 E 10th St
Tucson, AZ 85719

Site: **Gale Elementary School**
678 S Gollob Rd
Tucson, AZ 85710

Project: Evapco Cooling Tower Refurbishment- Install New Fill Media, Shaft and Bearings

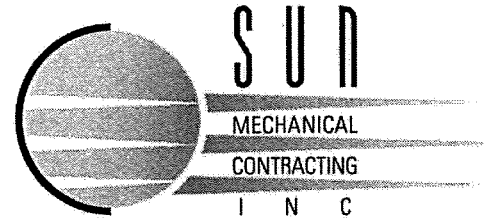
PROPOSAL

We are pleased to offer, herein, our proposal to furnish the parts, material, labor, and equipment necessary to complete the Replacement of the Fill Media, Inlet Lover Media and Shaft & Bearing Kit as described in the following scope of work.

EQUIPMENT

Description	Manufacturer	M/N	S/N	Tag
Cooling Tower	Evapco	AT 19-58	W027318	Cell #1

PROPOSAL



SCOPE OF WORK

Prep & Demo Work

- Coordinate all work w/ TUSD P.O.C.
- All work is to be performed during Normal Business Hours.
- Perform LO/TO, ensure isolation valves are closed.
- Coordinate the off-loading of a 40 cubic yard dumpster provided by Sun Mechanical.
- Remove the existing PVC fill and inlet louver media from the tower.
- Remove shaft and bearings from fan assembly
- Dispose of the fill material in dumpster and debris.

Install New Fill & Shaft & Bearings

- Supply and install new Shaft and Bearings.
- Supply and install new fill bundles and inlet air louvers.
- Return the tower to service and clean the work area with broom.

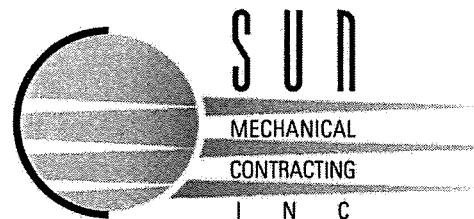
PROJECT PRICING

Subtotal \$10,220.00
Contracting Tax \$538.08
Total Price \$10,758.08

ACCEPTANCE

Customer Signature	
Customer Printed Name	
Title	
PO Number	
Date	

PROPOSAL



We thank you for this opportunity and look forward to working with you. Should any questions arise, please do not hesitate to contact me.

Sincerely,

Jacob Hunter
Service Operations Manager

CLARIFICATIONS

1. We **do not include** any architectural sheet metal other than that described in our scope above.
2. We **do not include** any electrical upgrades of any nature.
3. We **do not include** any permits or bonds.
4. Failure of the Owner to make payments for reasons beyond this contractor's control shall not constitute just cause to withhold payment for work completed and listed herein.
5. Our proposal **does not include** any of the following items: patching of walls, floors or ceilings, painting, tile work, roofing, concrete removal or replacement other than that listed in our scope above, structural steel, or any other work of a general construction nature.
6. This proposal constitutes our complete offer for furnishing the systems listed herein and shall by reference or actual attachment, become a part of any subsequent contract.
7. We **do not include** allowances for temporary services, including temporary restrooms, heating, ventilation or water.
8. All work which will could impact the customer or their tenants will be performed during off hours.
9. This proposal **does not include** any allowance for fire protection or sprinkler work.
10. Sun Mechanical will not be held responsible for any liquidated damages for reasons that are outside of Sun Mechanical's control.
11. Unless specifically outlined in our scope above, we do not include full commissioning of any of the mechanical equipment. We do include a standard start-up and documentation for all of the new mechanical equipment. A standard start-up does not provide any performance testing or trend testing.
12. If a contract is not received after sixty days from the date of this proposal, we reserve the right to adjust our pricing to accommodate for cost increases in material and equipment due to market fluctuations.

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
X Building Renewal Grant Fund

District: **Tucson Unified**
BRG Project Number: 100201537-1001-008BRG Pima County
Project Description: Refurbish cooling tower
Consultant: n/a
Contractor: Sun Mechanical Contracting, Inc. (Jacob Hunter 520-790-3100)
Board Approval Date: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 12,455
Contingency ①		\$ 1,245
Additional Cost:		
Architecture / Engineering (A&E) Fees		
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 13,700
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 13,700
Total Project Cost:		\$ 13,700

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: 8/21/2014 8:47:03 AM

Application ID: 1481

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: 520-225-4882
Contact Email: marcus.jones@tusd1.org
School Site: Secrist Middle School
Buildings: 1001 SECM1001

Application Title: Cooling Tower Refurbishing

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 cooling tower fill material at Secrist Middle School has become clogged to the point that it cannot be cleaned and needs to 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.

This work is not covered by any district insurance.

Liaison: Demland

ddemland@azsfb.gov

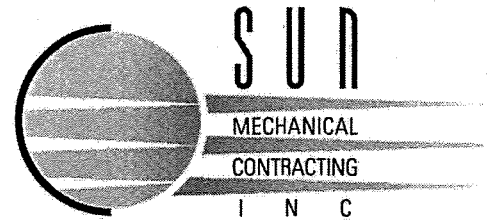
602-542-6567

DR. H.T. SANCHEZ
Superintendent Printed Name

Marcus E. Jones for Dr. H.T. Sanchez
Superintendent Signature

8-21-14
Date

PROPOSAL



August 20, 2014

Quote # 14-S486

Mr. Raymond Stoddard
Project Manager
TUSD
1010 E 10th St
Tucson, AZ 85719

Site: **Secrist Middle School**
3400 S Houghton Rd
Tucson, AZ 85730

Project: **Marley Cooling Tower Refurbishment- Install New Fill Media**

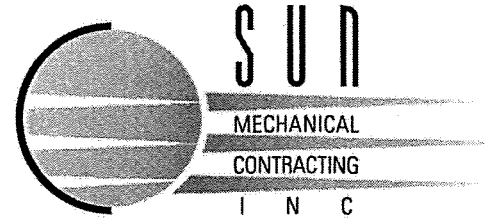
PROPOSAL

We are pleased to offer, herein, our proposal to furnish the parts, material, labor, and equipment necessary to complete the Replacement of the Fill Media, Fill Tube Support, Water Deflectors and attaching hardware as described in the following scope of work.

EQUIPMENT

Description	Manufacturer	M/N	S/N	Tag
Cooling Tower	Marley	NC201	006663-001-91	Cell #1

PROPOSAL



SCOPE OF WORK

Prep & Demo Work

- Coordinate all work w/ TUSD P.O.C.
- All work is to be performed during Normal Business Hours.
- Perform LO/TO, ensure isolation valves are closed.
- Coordinate the off-loading of a 40 cubic yard dumpster provided by Sun Mechanical.
- Remove the existing PVC fill from the tower.
- Dispose of the fill material in dumpster and debris.

Install New Fill & Supports

- Supply and install new fill supports.
- Supply and install new fill bundles with integral air inlet louvers
- Supply and install new water deflectors and supports
- Return the tower to service and clean the work area with broom.

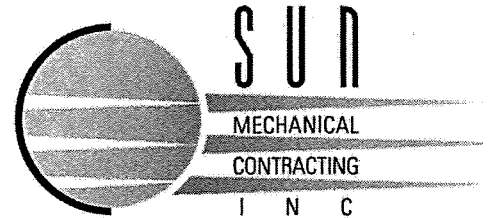
PROJECT PRICING

Subtotal \$11,832.00
Contracting Tax \$622.96
Total Price \$12,454.96

ACCEPTANCE

Customer Signature	
Customer Printed Name	
Title	
PO Number	
Date	

PROPOSAL



We thank you for this opportunity and look forward to working with you. Should any questions arise, please do not hesitate to contact me.

Sincerely,

Jacob Hunter
Service Operations Manager

CLARIFICATIONS

1. We **do not include** any architectural sheet metal other than that described in our scope above.
2. We **do not include** any electrical upgrades of any nature.
3. We **do not include** any permits or bonds.
4. Failure of the Owner to make payments for reasons beyond this contractor's control shall not constitute just cause to withhold payment for work completed and listed herein.
5. Our proposal **does not include** any of the following items: patching of walls, floors or ceilings, painting, tile work, roofing, concrete removal or replacement other than that listed in our scope above, structural steel, or any other work of a general construction nature.
6. This proposal constitutes our complete offer for furnishing the systems listed herein and shall by reference or actual attachment, become a part of any subsequent contract.
7. We **do not include** allowances for temporary services, including temporary restrooms, heating, ventilation or water.
8. All work which will could impact the customer or their tenants will be performed during off hours.
9. This proposal **does not include** any allowance for fire protection or sprinkler work.
10. Sun Mechanical will not be held responsible for any liquidated damages for reasons that are outside of Sun Mechanical's control.
11. Unless specifically outlined in our scope above, we do not include full commissioning of any of the mechanical equipment. We do include a standard start-up and documentation for all of the new mechanical equipment. A standard start-up does not provide any performance testing or trend testing.
12. If a contract is not received after sixty days from the date of this proposal, we reserve the right to adjust our pricing to accommodate for cost increases in material and equipment due to market fluctuations.

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
 X Building Renewal Grant Fund

District: **Tucson Unified**
BRG Project Number: 100201650-1001-009BRG Pima County
Project Description: Rebuild two chiller compressors
Consultant: n/a
Contractor: Sun Mechanical Contracting, Inc. (Jacob Hunter 520-790-3100)
Board Approval Date: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 52,953
Contingency ①		\$ 5,347
Additional Cost:		
Architecture / Engineering (A&E) Fees		
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 58,300
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 58,300
Total Project Cost:		\$ 58,300

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: 8/21/2014 8:05:02 AM

Application ID: 1480

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: 520-225-4882
Contact Email: marcus.jones@tusd1.org
School Site: Sahuaro High School
Buildings: 1001 SAHH1001

Application Title: Chiller 1 and 2 Compressors

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 compressors on both Chiller 1 and Chiller 2 at Sahuaro High School need to have the compressors rebuilt or 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.

This work is not covered by any insurance coverage.

Liaison: Demland

ddemland@azsfb.gov

602-542-6567

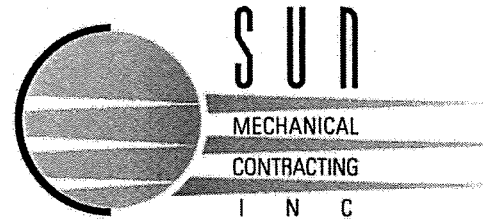
DR. H. T. SANCHEZ
Superintendent Printed Name

Marcus E. Jones for Dr. H. T. Sanchez
Superintendent Signature

8.21.14
Date

8/21/2014 8:05:01 AM

Application ID: 1480



August 20, 2014

Quote # 14-S485

Raymond Stoddard
Project Manager
Tucson, AZ 85734

Site: Sahuaro High School
545 N Camino Seco
Tucson, Az 85710

Re: Chiller 1 & 2 Re-Gasket/Vane Rebuild

A PROPOSAL

We are pleased to offer, herein, our proposal to furnish the labor, equipment and materials (**Trane OEM parts and Trane factory motor services**) necessary to complete Chiller #1 & #2 Re-gasketing and third stage vane rebuild as described in the following scope of work.

SCOPE OF WORK

Sun Mechanical to provide the following for Chiller #1 MN# CVHE050 SN# L01C07721; Chiller #2 MN#CVHE050 SN#L01C07725, Both Chillers were Manufactured in 2001.
Chiller Operating Hours Chiller #1 62,595 hours Chiller #2 45,817 hours

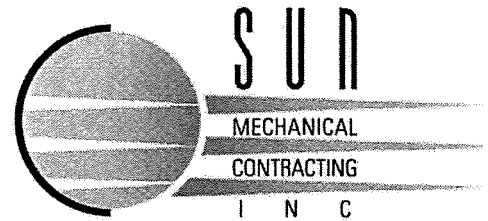
Compressor Disassembly Work

- ❖ Remove vane linkage
- ❖ Remove economizer
- ❖ Remove insulation from compressor elbow and suction cover
- ❖ Remove compressor Elbow
- ❖ Measure and record motor shaft run out
- ❖ Remove 1st and 2nd stage tang assembly
- ❖ Remove 1st and 2nd stage vane assembly and inspect for damage or wear.
- ❖ Measure and record 1st, 2nd and 3rd stage impeller labyrinth nose seal, remove.

- ❖ Measure and record 1st, 2nd and 3rd stage impeller run-out and radial clearance, remove impeller.
- ❖ Measure and record 2nd and 3rd inter-stage labyrinth seal clearance and remove.
- ❖ Remove internal oil supply lines check for obstructions.
- ❖ Measure and record Motor bearing oil cap clearances.
- ❖ Measure and record front motor journal bearing.

Compressor Reassembly Work

- ❖ Install internal oil feed lines
- ❖ Replace oil and oil filter
- ❖ Re-attach external oil return and supply lines.
- ❖ Start oil pump and check for correct oil pressure
- ❖ Install 3rd stage impeller, measure and record clearances, shim if required
- ❖ Measure and record 3rd stage impeller nose seal run out
- ❖ Install interstage labyrinth seal, spacer
- ❖ Rebuild 3rd stage vane assembly.
- ❖ Install 3rd stage vane assembly check vane operation
- ❖ Install interstage volute
- ❖ Measure and record 3rd impeller run-out
- ❖ Install 3rd stage impeller nose labyrinth seal, measure and record clearance
- ❖ Install 2nd stage divider plate
- ❖ Install interstage labyrinth seal measure and record clearances
- ❖ Install 3rd stage vane tang operator check for operation
- ❖ Install 2nd stage impeller, measure and record radial clearance
- ❖ Install interstage labyrinth seal, spacer
- ❖ Install interstage volute
- ❖ Measure and record 2nd stage impeller run out
- ❖ Install 2nd stage impeller labyrinth nose seal, measure and record clearances
- ❖ Install 1st stage divider plate
- ❖ Install interstage labyrinth seal, measure and record clearances
- ❖ Install 1st stage impeller, measure and record radial clearance
- ❖ Install suction cover, measure and record 1st stage impeller run-out
- ❖ Install 1st stage impeller labyrinth nose seal, measure and record clearances
- ❖ Install 1st stage vane assembly and check operation
- ❖ Install 1st stage vane operator, check operation.



Motor Testing

- ❖ Start compressor motor and check for factory recommended vibration levels
- ❖ Trim balance compressor if required

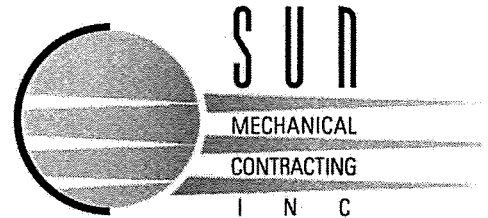
Final Assembly Work

- ❖ Install compressor elbow
- ❖ Install economizer
- ❖ Pressurize unit to 8-10 psi with dry nitrogen and R-22 trace gas
- ❖ Leak test
- ❖ Place unit on vacuum pump and evacuate to 500 microns
- ❖ Place unit on standing vacuum test for 24 hours.
- ❖ Transfer recovered refrigerant to Sun Mechanical containers.(the assumption that Trane placed the refrigerant charge in Trane recovery cylinders)
- ❖ If existing refrigerant requires it to be reclaimed due to a motor burn Sun Mechanical will perform this onsite with a certified reclaim service. (refer to optional pricing)
- ❖ Recharge unit with 600# R-123 with existing refrigerant charge (600# R-123 is factory charge if existing charge is found to be less than this a separate quote for additional refrigerant will be quoted)
- ❖ Start unit and monitor for operation.
- ❖ Re-insulate elbow and suction cover.
- ❖ Place unit back in service

Pricing

Price Chiller 1 Re-Gasket and Vane Rebuild.....	\$25,152.00
Contracting Tax.....	\$1,324.26
Price Chiller 2 Re-Gasket and Vane Rebuild.....	\$25,152.00
Contracting Tax.....	\$1,324.26
TOTAL PRICE Including Tax.....	\$52,952.52

CLARIFICATIONS



1. Failure of the Owner to make payments for reasons beyond this contractor's control shall not constitute just cause to withhold payment for work completed and listed herein.
2. Our proposal **does not include** any of the following items: patching of walls, floors or ceilings, painting, tile work, roofing, concrete removal or replacement other than that listed in our scope above, structural steel, or any other work of a general construction nature.
3. This proposal constitutes our complete offer for furnishing the systems listed herein and shall by reference or actual attachment, become a part of any subsequent contract.
4. We **do not include** allowances for temporary services, including temporary restrooms, heating, ventilation or water.
5. All work described herein is based on regular working hours. **No allowance** for overtime is included.
6. Sun Mechanical will not be held responsible for any liquidated damages for reasons that are outside of Sun Mechanical's control.
7. If a contract is not received after thirty days from the date of this proposal, we reserve the right to adjust our pricing to accommodate for cost increases in material and equipment due to market fluctuations.

We thank you for this opportunity and look forward to working with you. Should any questions arise, please do not hesitate to call.

Sincerely,
Sun Mechanical Contracting Inc.
Jacob Hunter

Service Operations Manager

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

District: **Tucson Unified**
BRG Project Number: 100201615-9999-010BRG Pima County
Project Description: HVAC replacement
Consultant: n/a
Contractor: Pueblo Mechanical & Controls (Whitey Cole 800-840-9170)
Board Approval Date: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 42,537
Contingency ①		\$ 4,263
Additional Cost:		
Architecture / Engineering (A&E) Fees		
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 46,800
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 46,800
Total Project Cost:		\$ 46,800

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 8/12/2014 11:31:38 PM

Application ID: 1438

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: Cholla High Magnet School
Buildings:
1010 OP-J6-1010
1011 OP-Mod89-1011
1012 OP-Mod61-1012

Application Title: Replacement of Six Sidewall Mounted Air Conditioning Units

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.

At Cholla High Magnet School there are 6 Barg sidewall mounted air conditioning units that the State installed in 1991-92 to provide the class rooms with acceptable cooling and CO2 levels. Four of these units have fully failed and the other two are presenting signs of failure.

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
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Please outline any associated insurance coverage.

The District has not funds budget to address this need.

Liaison: Demland

ddemland@azsfb.gov

602-542-6567

Superintendent Printed Name



(800) 840-9170

PROPOSAL - Cholla High School Replace Modular classroom HP

**Mohave JOC
#09D-PMAC-0902**

PMC Proposal #:14-08-014R1

From: Pueblo Mechanical and Controls, Inc.

8/11/14

Attn: Ed Lees
Tucson Unified School District
2025 E. Winsett
Tucson, AZ 85719

Dear Ed,

Pueblo Mechanical and Controls appreciates the opportunity to look at this project, and is pleased to provide the following Mohave proposal to replace (6) existing 5 ton split system AC units for the modular classrooms at Cholla HS. The following is included in our scope of work:

- Remove and properly dispose of existing components
- Provide and install new 5 ton split system units [six systems]
- Provide and install new disconnect and whip for new condensing units
- Clean and purge existing refrigerant lines for re-use with new units
- Utilize existing electrical service for blower units
- Utilize existing thermostat and wiring
- Start-up and check out of new units
- 2 year warranty on parts and labor

We Exclude The Following:

- Repair or replacement of any existing device not included above found to be inoperable
- Engineering, permits and fees
- Shift or premium labor rates
- Smoke detectors
- Interface to EMS
- Asbestos abatement, testing, reporting.
- Any work not included in scope of work listed above.

Complete material, service, and labor sub total:		\$ \$40,409.33
Mandated applicable taxes:	[5.265%]	\$ \$2,127.55
Bonding:		\$ N/A

Total Cost:	\$ \$42,536.88
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All projects over \$100,000 must be individually bonded, projects under this amount are at the discretion of the customer; by accepting this proposal you agree to waive bonding for this

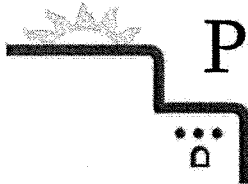
ALL PRICES QUOTED ABOVE ARE VALID FOR 120 DAYS

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

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

www.pueblo-mechanical.com

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



Pueblo

Mechanical &
Controls, Inc.

(800) 840-9170

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,

Whitey Cole
Project Development
Business: (800) 840-9170 Ext: 116
Cellular: (520) 247-1065
whitey@pueblo-mechanical.com

Acceptance of Proposal: The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified.

Name

Signature

Date

Due to the high cost of equipment and/or extended nature of this project progress billing may be required; if a purchase order is created for this project the owner agrees to accept progress billing for demonstrated and verifiable completed work and/or arrival of equipment items pending installation.

ALL PRICES QUOTED ABOVE ARE VALID FOR 120 DAYS

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

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

www.pueblo-mechanical.com

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

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

District: **Tucson Unified**
BRG Project Number: 100201317-9999-011BRG
Project Description: **Replace fire alarm components**
Consultant: n/a
Contractor: SimplexGrinnell (520-882-9647)

Pima County

Board Approval Date: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 32,780
Contingency ①		\$ 3,220
Additional Cost:		
Architecture / Engineering (A&E) Fees		
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 36,000
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 36,000
Total Project Cost:		\$ 36,000

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 9/29/2013 4:15:22 PM

Application ID: 747

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: 520-225-4882
Contact Email: marcus.jones@tusd1.org
School Site: Myers/Ganoung Elementary School
Buildings: 9999 School Wide

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 Fire Alarm System is outdated and cannot be properly maintained due to the lack of available replacement parts.

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

Current unencumbered building renewal fund balance (Fund 690):	\$0.00
Amount of Local funds planned for this project	\$0.00

Please outline any associated insurance coverage.

The District does not have any insurance that would cover the cost of this project.

Liaison: Demland

ddemland@azsfb.gov

602-542-6567

Superintendent Printed Name

Superintendent Signature

Date

SimplexGrinnell

BE SAFE.

SimplexGrinnell Quotation

3865 N Business Center Dr
TUCSON, AZ 85705-5042
(520) 882 9647
FAX: (520) 882 7495
www.simplexgrinnell.com

TO:
TUCSON UNIFIED SCHOOL DISTRICT
1010 E 10th St, Bldg B R2
TUCSON, AZ 85719-5896

Project: Myers MDK Upgrade
Customer Reference:
SimplexGrinnell Reference: 446408421
Date: 09/3/2013
Page 1 of 5

SimplexGrinnell is pleased to offer for your consideration this quotation for the above project.

QUANTITY	MODEL NUMBER	DESCRIPTION
Myers MDK Upgrade		
MDK Fire Alarm Upgrade		
1	4010-9402	4010ES FACP 120V PLATINUM
2	2081-9275	BATTERY 18AH
	DPSCD	DP SVCS BLUPRT/CAD/DRAFT/COPY
	DPSVC	DP SVCS (PERMITS/FEEES/BONDS)
35	4098-9714	PHOTO SENSOR
39	4098-9792	SENSOR BASE
28	4099-9003	MANUAL STATION - DOUBLE ACTION
28	STI-1100	STOPPER II W/ HORN FLUSH MOUNT
8	4098-9756	DUCT SENSOR HOUSING-4-WIRE
8	2098-9806	REMOTE TEST STATION
8	4098-9856	SAMPLING TUBE 49", PLASTIC
3	4090-9001	SUPERVISED IAM
26	4906-9127	HORN/STROBE MC RED
1	ETHEDROP	ETHERNET-NETWORK COMPATIBLE
Technical Services - MDK Upgrade		
	COMM LAB	Commissioning Labor
Installation Labor		
Installation Labor		
	DPINSTAL	SUB INSTALL LABOR

Total net selling price, FOB shipping point, \$32,780.00

Comments

This proposal is for the material and labor to replace the Autocall Fire Alarm Control Panel and all of the initiating and indicating devices.

This includes plans and permits, patching and painting at main FACP.

This proposal excludes any applicable tax.

THIS QUOTATION AND ANY RESULTING CONTRACT SHALL BE SUBJECT TO THE GENERAL TERMS AND CONDITIONS ATTACHED HERETO.
Fire, Security, Communications, Sales & Service
Offices & Representatives in Principal Cities throughout North America



Project: Myers MDK Upgrade
Customer Reference:
SimplexGrinnell Reference: 446408421
Date: 09/3/2013
Page 2 of 5

SimplexGrinnell Quotation

Comments (continued)

Any additional device that might be required by the Authority Having Jurisdiction are excluded and would be quoted seperatly.

SimplexGrinnell

BE SAFE.

Project: Myers MDK Upgrade
Customer Reference:
SimplexGrinnell Reference: 446408421
Date: 09/3/2013
Page 3 of 5

TERMS AND CONDITIONS

1. Payment. Payments shall be invoiced and due in accordance with the terms and conditions set forth above. Work performed on a time and material basis shall be at the then-prevailing Company rate for material, labor, and related items, in effect at the time supplied under this Agreement. Company shall invoice Customer for progress payments to one hundred (100%) percent based upon equipment delivered or stored, and services performed. Customers without established satisfactory credit shall make payments of cash in advance, upon delivery or as otherwise specified by Company. Where Customer establishes and maintains satisfactory credit, payments shall be due and payable thirty (30) days from date of invoice. Company reserves the right to revoke or modify Customer's credit at its sole discretion. The Customer's failure to make payment when due is a material breach of this Agreement.

If Customer fails to make any payment when due, in addition to any other rights and remedies available, Company shall have the right, at Company's sole discretion, to stop performing any Services and/or withhold further deliveries of materials, until the account is current. In the event payment is not received when due, Company may, at its discretion, assess late fees at the rate of 1.5% per month or the maximum rate allowed by law. Customer agrees to pay all costs of collection, including without limitation costs, fees, and attorneys' fees. Customer's failure to make payment when due is a material breach of this Agreement until the account is current.

2. Pricing. The pricing set forth in this Agreement is based on the number of devices to be installed and services to be performed as set forth in the Scope of Work ("Equipment" and "Services"). If the actual number of devices installed or services to be performed is greater than that set forth in the Scope of Work, the price will be increased accordingly. If this Agreement extends beyond one year, SimplexGrinnell may increase prices upon notice to the Customer. Customer agrees to pay all taxes, permits, and other charges, including but not limited to state and local sales and excise taxes, however designated, levied or based on the service charges pursuant to this Agreement.

3. Alarm Monitoring Services. Any reference to alarm monitoring services in this Agreement is included for pricing purposes only. Alarm monitoring services are performed pursuant to the terms and conditions of Company's standard alarm monitoring services agreement.

4. Code Compliance. Company does not undertake an obligation to inspect for compliance with laws or regulations unless specifically stated in the Scope of Work. Customer acknowledges that the Authority Having Jurisdiction (e.g. Fire Marshal) may establish additional requirements for compliance with local codes. Any additional services or equipment required will be provided at an additional cost to Customer.

5. Limitation of Liability; Limitations of Remedy. It is understood and agreed by the Customer that Company is not an insurer and that insurance coverage, if any, shall be obtained by the Customer and that amounts payable to company hereunder are based upon the value of the services and the scope of liability set forth in this Agreement and are unrelated to the value of the Customer's property and the property of others located on the premises. Customer agrees to look exclusively to the Customer's insurer to recover for injuries or damage in the event of any loss or injury and that Customer releases and waives all right of recovery against Company arising by way of subrogation. Company makes no guaranty or Warranty, including any implied warranty of merchantability or fitness for a particular purpose that equipment or services supplied by Company will detect or avert occurrences or the consequences therefrom that the equipment or service was designed to detect or avert. It is impractical and extremely difficult to fix the actual

damages, if any, which may proximately result from failure on the part of Company to perform any of its obligations under this Agreement. Accordingly, Customer agrees that, Company shall be exempt from liability for any loss, damage or injury arising directly or indirectly from occurrences, or the consequences therefrom, which the equipment or service was designed to detect or avert. Should Company be found liable for any loss, damage or injury arising from a failure of the equipment or service in any respect, Company's liability shall be limited to an amount equal to the Agreement price (as increased by the price for any additional work) or where the time and material payment term is selected, Customer's time and material payments to Company. Where this Agreement covers multiple sites, liability shall be limited to the amount of the payments allocable to the site where the incident occurred. Such sum shall be complete and exclusive. If Customer desires Company to assume greater liability, the parties shall amend this Agreement by attaching a rider setting forth the amount of additional liability and the additional amount payable by the Customer for the assumption by Company of such greater liability, provided however that such rider shall in no way be interpreted to hold Company as an insurer. IN NO EVENT SHALL COMPANY BE LIABLE FOR ANY DAMAGE, LOSS, INJURY, OR ANY OTHER CLAIM ARISING FROM ANY SERVICING, ALTERATIONS, MODIFICATIONS, CHANGES, OR MOVEMENTS OF THE COVERED SYSTEM(S) OR ANY OF ITS COMPONENT PARTS BY THE CUSTOMER OR ANY THIRD PARTY. COMPANY SHALL NOT BE LIABLE FOR INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, INCLUDING BUT NOT LIMITED TO DAMAGES ARISING FROM THE USE, LOSS OF THE USE, PERFORMANCE, OR FAILURE OF THE COVERED SYSTEM(S) TO PERFORM. The limitations of liability set forth in this Agreement shall inure to the benefit of all parents, subsidiaries and affiliates of company, whether direct or indirect, company's employees, agents, officers and directors.

6. Reciprocal Waiver of Claims (SAFETY Act). Certain of SimplexGrinnell's systems and services have received Certification and/or Designation as Qualified Anti-Terrorism Technologies ("QATT") under the Support Anti-terrorism by Fostering Effective Technologies Act of 2002, 6 U.S.C. §§ 441-444 (the "SAFETY Act"). As required under 6 C.F.R. 25.5 (e), to the maximum extent permitted by law, SimplexGrinnell and Customer hereby agree to waive their right to make any claims against the other for any losses, including business interruption losses, sustained by either party or their respective employees, resulting from an activity resulting from an "Act of Terrorism" as defined in 6 C.F.R. 25.2, when QATT have been deployed in defense against, response to, or recovery from such Act of Terrorism.

7. General Provisions. Customer has selected the service level desired after considering and balancing various levels of protection afforded, and their related costs. Customer acknowledges and agrees that by this Agreement, Company, unless specifically stated, does not undertake any obligation to maintain or render Customer's system or equipment as Year 2000 compliant, which shall mean, capable of correctly handling the processing of calendar dates before or after December 31, 1999. All work to be performed by Company will be performed during normal working hours of normal working days (8:00 a.m. – 5:00 p.m., Monday through Friday, excluding Company holidays), as defined by Company, unless additional times are specifically described in this Agreement.

Company will perform the services described in the Scope of Work section ("Services") for one or more system(s) or

equipment as described in the Scope of Work section or the listed attachments ("Covered System(s)").

The Customer shall promptly notify Company of any malfunction in the Covered System(s) which comes to Customer's attention. This Agreement assumes the Covered System(s) are in operational and maintainable condition as of the Agreement date. If, upon initial inspection, Company determines that repairs are recommended, repair charges will be submitted for approval prior to any work. Should such repair work be declined Company shall be relieved from any and all liability arising therefrom. UNLESS OTHERWISE SPECIFIED IN THIS AGREEMENT, ANY INSPECTION (AND, IF SPECIFIED, TESTING) PROVIDED UNDER THIS AGREEMENT DOES NOT INCLUDE ANY MAINTENANCE, REPAIRS, ALTERATIONS, REPLACEMENT OF PARTS, OR ANY FIELD ADJUSTMENTS WHATSOEVER, NOR DOES IT INCLUDE THE CORRECTION OF ANY DEFICIENCIES IDENTIFIED BY COMPANY TO CUSTOMER. COMPANY SHALL NOT BE RESPONSIBLE FOR EQUIPMENT FAILURE OCCURRING WHILE COMPANY IS IN THE PROCESS OF FOLLOWING ITS INSPECTION TECHNIQUES, WHERE THE FAILURE ALSO RESULTS FROM THE AGE OR OBSOLESCENCE OF THE ITEM OR DUE TO NORMAL WEAR AND TEAR. THIS AGREEMENT DOES NOT COVER SYSTEMS, EQUIPMENT, COMPONENTS OR PARTS THAT ARE BELOW GRADE, BEHIND WALLS OR OTHER OBSTRUCTIONS OR EXTERIOR TO THE BUILDING, ELECTRICAL WIRING, AND PIPING.

8. Customer Responsibilities. Customer shall furnish all necessary facilities for performance of its work by Company, adequate space for storage and handling of materials, light, water, heat, heat tracing, electrical service, local telephone, watchman, and crane and elevator service and necessary permits. Where wet pipe system is installed, Customer shall supply and maintain sufficient heat to prevent freezing of the system. Customer shall promptly notify Company of any malfunction in the Covered System(s) which comes to Customer's attention. This Agreement assumes any existing system(s) are in operational and maintainable condition as of the Agreement date. If, upon initial inspection, Company determines that repairs are recommended, repair charges will be submitted for approval prior to any work. Should such repair work be declined Company shall be relieved from any and all liability arising therefrom.

Customer shall further:

- supply required schematics and drawings unless they are to be supplied by Company in accordance with this Agreement;
- Provide a safe work environment, in the event of an emergency or Covered System(s) failure, take reasonable safety precautions to protect against personal injury, death, and property damage, continue such measures until the Covered System(s) are operational, and notify Company as soon as possible under the circumstances.
- Provide Company access to any system(s) to be serviced,
- Comply with all laws, codes, and regulations pertaining to the equipment and/or services provided under this agreement.

9. Excavation. In the event the Work includes excavation, Customer shall pay, as an extra to the contract price, the cost of any additional work performed by Company dues to water, quicksand, rock or other unforeseen condition or obstruction encountered or shoring required.

10. Structure and Site Conditions. While employees of Company will exercise reasonable care in this respect, Company shall be under not responsibility for loss or damage due to the character, condition or use of foundations, walls, or other structures not erected by it or resulting from the excavation in proximity thereto, or for damage resulting from concealed piping, wiring, fixtures, or other equipment or condition of water pressure. All shoring or protection of

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BE SAFE.

Project: Myers MDK Upgrade
Customer Reference:
SimplexGrinnell Reference: 446408421
Date: 09/3/2013
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SALE AND INSTALLATION AGREEMENT (continued)

foundation, walls or other structures subject to being disturbed by any excavation required hereunder shall be the responsibility of Customer. Customer shall have all things in readiness for installation including, without limitation, structure to support the sprinkler system and related equipment (including tanks), other materials, floor or suitable working base, connections and facilities for erection at the time the materials are delivered. In the event Customer fails to have all things in readiness at the time scheduled for receipt of materials, Customer shall reimburse Company for all expenses caused by such failure. Failure to make areas available to Company during performance in accordance with schedules that are the basis for Company's proposal shall be considered a failure to have things in readiness in accordance with the terms of this Agreement.

11. Confined Space. If access to confined space by Company is required for the performance of Services, Services shall be scheduled and performed in accordance with Company's then-current hourly rate.

12. Hazardous Materials. Customer represents that, except to the extent that Company has been given written notice of the following hazards prior to the execution of this Agreement, to the best of Customer's knowledge there is no:

- "permit confined space," as defined by OSHA,
- risk of infectious disease,
- need for air monitoring, respiratory protection, or other medical risk,
- asbestos, asbestos-containing material, formaldehyde or other potentially toxic or otherwise hazardous material contained in or on the surface of the floors, walls, ceilings, insulation or other structural components of the area of any building where work is required to be performed under this Agreement.

All of the above are hereinafter referred to as "Hazardous Conditions".

Company shall have the right to rely on the representations listed above. If hazardous conditions are encountered by Company during the course of Company's work, the discovery of such materials shall constitute an event beyond Company's control and Company shall have no obligation to further perform in the area where the hazardous conditions exist until the area has been made safe by Customer as certified in writing by an independent testing agency, and Customer shall pay disruption expenses and re-mobilization expenses as determined by Company.

This Agreement does not provide for the cost of capture, containment or disposal of any hazardous waste materials, or hazardous materials, encountered in any of the Covered System(s) and/or during performance of the Services. Said materials shall at all times remain the responsibility and property of Customer. Company shall not be responsible for the testing, removal or disposal of such hazardous materials.

13. OSHA Compliance. Customer shall indemnify and hold Company harmless from and against any and all claims, demands and/or damages arising in whole or in part from the enforcement of the Occupational Safety Health Act (and any amendments or changes thereto) unless said claims, demands or damages are a direct result of causes within the exclusive control of Company.

14. Interferences. Customer shall be responsible to coordinate the work of other trades (including but not limited to ducting, piping, and electrical) and for and additional costs incurred by Company arising out of interferences to Company's work caused by other trades.

15. Modifications and Substitutions. Company reserves the right to modify materials, including substituting materials of later design, providing that such modifications or substitutions will not materially affect the performance of the Covered System(s).

16. Changes, Alterations, Additions. Changes, alterations and additions to the Scope of Work, plans, specifications or construction schedule shall be invalid unless approved in writing by Company. Should changes be approved by Company, that increase or decrease the cost of the work to Company, the parties shall agree, in writing, to the change in price prior to

performance of any work. However, if no agreement is reached prior to the time for performance of said work, and Company elects to perform said work so as to avoid delays, then Company's estimate as to the value of said work shall be deemed accepted by Customer. In addition, Customer shall pay for all extra work requested by Customer or made necessary because of incompleteness or inaccuracy of plans or other information submitted by Customer with respect to the location, type of occupancy, or other details of the work to be performed. In the event the layout of Customer's facilities has been altered, or is altered by Customer prior to the completion of the Work, Customer shall advise Company, and prices, delivery and completion dates shall be changed by Company as may be required.

17. Commodities Availability. Company shall not be responsible for failure to provide services, deliver products, or otherwise perform work required by this Agreement due to lack of available steel products or products made from plastics or other commodities. 1) In the event Company is unable, after reasonable commercial efforts, to acquire and provide steel products, or products made from plastics or other commodities, if required to perform work required by this Agreement, Customer hereby agrees that Company may terminate the Agreement, or the relevant portion of the Agreement, at no additional cost and without penalty. Customer agrees to pay Company in full for all work performed up to the time of any such termination. 2) If Company is able to obtain the steel products or products made from plastics or other commodities, but the price of any of the products has risen by more than 10% from the date of the bid, proposal or date Company executed this Agreement, whichever occurred first, then Company may pass through that increase through a reasonable price increase to reflect increased cost of materials.

18. Project Claims. Any claim of failure to perform against Company arising hereunder shall be deemed waived unless received by Company, in writing specifically setting forth the basis for such claim, within ten (10) days after such claims arises.

19. Backcharges. No charges shall be levied against the Seller unless seventy-two (72) hours prior written notice is given to Company to correct any alleged deficiencies which are alleged to necessitate such charges and unless such alleged deficiencies are solely and directly caused by Company.

20. System Equipment. The purchase of equipment or peripheral devices (including but not limited to smoke detectors, passive infrared detectors, card readers, sprinkler system components, extinguishers and hoses) from Company shall be subject to the terms and conditions of this Agreement. If, in Company's sole judgment, any peripheral device or other system equipment, which is attached to the Covered System(s), whether provided by Company or a third party, interferes with the proper operation of the Covered System(s), Customer shall remove or replace such device or equipment promptly upon notice from Company. Failure of Customer to remove or replace the device shall constitute a material breach of this Agreement. If Customer adds any third party device or equipment to the Covered System(s), Company shall not be responsible for any damage to or failure of the Covered System(s) caused in whole or in part by such device or equipment.

21. Reports. Where inspection and/or test services are selected, such inspection and/or test shall be completed on Company's then current Report form, which shall be given to Customer, and, where applicable, Company may submit a copy thereof to the local authority having jurisdiction. The Report and recommendations by Company are only advisory in nature and are intended to assist Customer in reducing the risk of loss to property by indicating obvious defects or impairments noted to the system and equipment inspected and/or tested. They are not intended to imply that no other defects or hazards exist or that all aspects of the Covered System(s), equipment, and components are under control at the time of inspection. Final responsibility for the condition and operation of the Covered System(s) and equipment and components lies with Customer.

22. Limited Warranty. Subject to the limitations below, Company warrants any equipment (as distinguished from the Software) installed pursuant to this Agreement to be free from defects in material and workmanship under normal use for a period of one (1) year from the date of first beneficial use or all or any part of the Covered System(s) or 18 months after Equipment shipments, whichever is earlier, provided however, that Company's sole liability, and Customer's sole remedy, under this limited warranty shall be limited to the repair or replacement of the Equipment or any part thereof, which Company determines is defective, at Company's sole option and subject to the availability of service personnel and parts, as determined by Company. Company warrants expendable items, including, but not limited to, video and print heads, television camera tubes, video monitor displays tubes, batteries and certain other products in accordance with the applicable manufacturer's warranty. Company does not warrant devices designed to fail in protecting the System, such as, but not limited to, fuses and circuit breakers.

Company warrants that any Company software described in this Agreement, as well as software contained in or sold as part of any Equipment described in this Agreement, will reasonably conform to its published specifications in effect at the time of delivery and for ninety (90) days after delivery. However, Customer agrees and acknowledges that the software may have inherent defects because of its complexity. Company's sole obligation with respect to software, and Customer's sole remedy, shall be to make available published modifications, designed to correct inherent defects, which become available during the warranty period.

If Repair Services are included in this Agreement, Company warrants that its workmanship and material for repairs made pursuant to this Agreement will be free from defects for a period of ninety (90) days from the date of furnishing.

EXCEPT AS EXPRESSLY SET FORTH HEREIN, COMPANY DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE SERVICES PERFORMED OR THE PRODUCTS, SYSTEMS OR EQUIPMENT, IF ANY, SUPPORTED HEREUNDER. COMPANY MAKES NO WARRANTY OR REPRESENTATION, AND UNDERTAKES NO OBLIGATION TO ENSURE BY THE SERVICES PERFORMED UNDER THIS AGREEMENT, THAT COMPANY'S PRODUCTS OR THE SYSTEMS OR EQUIPMENT OF THE CUSTOMER WILL CORRECTLY HANDLE THE PROCESSING OF CALENDAR DATES BEFORE OR AFTER DECEMBER 31, 1999.

Warranty service will be performed during Company's normal working hours. If Customer requests warranty service at other than normal working hours, service will be performed at Company's then current rates for after hours services. All repairs or adjustments that are or may become necessary shall be performed by and authorized representative of Company. Any repairs, adjustments or interconnections performed by Customer or any third party shall void all warranties.

23. Indemnity. Customer agrees to indemnify, hold harmless and defend Company against any and all losses, damages, costs, including expert fees and costs, and expenses including reasonable defense costs, arising from any and all third party claims for personal injury, death, property damage or economic loss, including specifically any damages resulting from the exposure of workers to Hazardous Conditions whether or not Customer pre-notifies Company of the existence of said hazardous conditions, arising in any way from any act or omission of Customer or Company relating in any way to this Agreement, including but not limited to the Services under this Agreement, whether such claims are based upon contract, warranty, tort (including but not limited to active or passive negligence), strict liability or otherwise. Company reserves the right to select counsel to represent it in any such action.

24. Insurance. Customer shall name Company, its officers, employees, agents, subcontractors, suppliers, and

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Project: Myers MDK Upgrade
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SimplexGrinnell Reference: 446408421
Date: 09/3/2013
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SALE AND INSTALLATION AGREEMENT (continued)

representatives as additional insureds on Customer's general liability and auto liability policies.

25. Termination. Any termination under the terms of this Agreement shall be made in writing. In the event Customer terminates this Agreement prior to completion for any reason not arising solely from Company's performance or failure to perform, Customer understands and agrees that Company will incur costs of administration and preparation that are difficult to estimate or determine. Accordingly, should Customer terminate this Agreement as described above, Customer agrees to pay all charges incurred for products and equipment installed and services performed, and in addition pay an amount equal to twenty (20%) percent of the price of products and equipment not yet delivered and Services not yet performed, return all products and equipment delivered and pay a restocking fee of twenty (20%) percent the price of products or equipment returned.

Company may terminate this Agreement immediately at its sole discretion upon the occurrence of any Event of Default as hereinafter defined. Company may also terminate this Agreement at its sole discretion upon notice to Customer if Company's performance of its obligations under this Agreement becomes impracticable due to obsolescence of equipment at Customer's premises or unavailability of parts.

26. No Option to Solicit. Customer shall not, directly or indirectly, on its own behalf or on behalf of any other person, business, corporation or entity, solicit or employ any Company employee, or induce any Company employee to leave his or her employment with Company, for a period of two years after the termination of this Agreement.

27. Default. An Event of Default shall be 1) failure of the Customer to pay any amount within ten (10) days after the amount is due and payable, 2) abuse of the System or the Equipment, 3) dissolution, termination, discontinuance, insolvency or business failure of Customer. Upon the occurrence of an Event of Default, Company may pursue one or more of the following remedies, 1) discontinue furnishing Services, 2) by written notice to Customer declare the balance of unpaid amounts due and to become due under the this Agreement to be immediately due and payable, provided that all past due amounts shall bear interest at the rate of 1 1/2% per month (18% per year) or the highest amount permitted by law, 3) receive immediate possession of any equipment for which Customer has not paid, 4) proceed at law or equity to enforce performance by Customer or recover damages for breach of this Agreement, and 5) recover all costs and expenses, including without limitation reasonable attorneys' fees, in connection with enforcing or attempting to enforce this Agreement.

28. Exclusions. Unless expressly included in the Scope of Work, this Agreement expressly excludes, without limitation, testing inspection and repair of duct detectors, beam detectors, and UV/IR equipment; provision of fire watches; clearing of ice blockage; draining of improperly pitched piping; replacement of batteries; recharging of chemical suppression systems; reloading of, upgrading, and maintaining computer software; system upgrades and the replacement of obsolete systems, equipment, components or parts; making repairs or replacements necessitated by reason of negligence or misuse of components or equipment or changes to Customer's premises, vandalism, corrosion (including but not limited to microbacterially induced corrosion ("MIC")), power failure, current fluctuation, failure due to non-Company installation, lightning, electrical storm, or other severe weather, water, accident, fire, acts of God or any other cause external to the Covered System(s). Repair Services provided pursuant to this Agreement do not cover and specifically excludes system upgrades and the replacement of obsolete systems, equipment, components or parts. All such services may be provided by Company at Company's sole discretion at an additional charge. If Emergency Services are expressly included in the scope of work section, the Agreement price does not include travel expenses.

29. Force Majeure; Delays. Company shall not be liable for any damage or penalty for delays or failure to perform work due to acts of God, acts or omissions of Customer, acts of civil or military authorities, Government regulations or priorities, fires, epidemics, quarantine, restrictions, war, riots, civil disobedience or unrest, strikes, delays in transportation, vehicle shortages, differences with workmen, inability to obtain necessary labor, material or manufacturing facilities, defaults of Company's subcontractors, failure or delay in furnishing complete information by Customer with respect to location or other details of work to be performed, impossibility or impracticability of performance or any other cause or causes beyond Company's control, whether or not similar to the foregoing. In the event of any delay caused as aforesaid, completion shall be extended for a period equal to any such delay, and this contract shall not be void or voidable as a result of the delay. In the event work is temporarily discontinued by any of the foregoing, all unpaid installments of the contract price, less an amount equal to the value of material and labor not furnished, shall be due and payable upon receipt of invoice by Customer.

30. One-Year Limitation on Actions; Choice of Law. It is agreed that no suit, or cause of action or other proceeding shall be brought against either party more than one (1) year after the accrual of the cause of action or one (1) year after the claim

arises, whichever is shorter, whether known or unknown when the claim arises or whether based on tort, contract, or any other legal theory. The laws of Massachusetts shall govern the validity, enforceability, and interpretation of this Agreement.

31. Assignment. Customer may not assign this Agreement without Company's prior written consent. Company may assign this Agreement to an affiliate without obtaining Customer's consent.

32. Entire Agreement. The parties intend this Agreement, together with any attachments or Riders (collectively the "Agreement") to be the final, complete and exclusive expression of their Agreement and the terms and conditions thereof. This Agreement supersedes all prior representations, understandings or agreements between the parties, written or oral, and shall constitute the sole terms and conditions of sale for all equipment and services. No waiver, change, or modification of any terms or conditions of this Agreement shall be binding on Company unless made in writing and signed by an Authorized Representative of Company.

33. Severability. If any provision of this Agreement is held by any court or other competent authority to be void or unenforceable in whole or in part, this Agreement will continue to be valid as to the other provisions and the remainder of the affected provision.

34. Legal Fees. Company shall be entitled to recover from the customer all reasonable legal fees incurred in connection with Company enforcing the terms and conditions of this Agreement.

35. License Information (Security System Customers): AL Alabama Electronic Security Board of Licensure 7956 Vaughn Road, Pmb 392, Montgomery, Alabama 36116 (334) 264-9388; AR Regulated by: Arkansas Board of Private Investigators And Private Security Agencies, #1 State Police Plaza Drive, Little Rock 72209 (501)618-8600; CA Alarm company operators are licensed and regulated by the Bureau of Security and Investigative Services, Department of Consumer Affairs, Sacramento, Ca, 95814. Upon completion of the installation of the alarm system, the alarm company shall thoroughly instruct the purchaser in the proper use of the alarm system. Failure by the licensee, without legal excuse, to substantially commence work within 20 days from the approximate date specified in the agreement when the work will begin is a violation of the Alarm Company Act: NY Licensed by N.Y.S. Department of the State: TX Texas Commission on Private Security, 5805 N. Lamar Blvd., Austin, 78752-4422, 512-424-7710. License numbers available at www.simplexgrinnell.com or contact your local SimplexGrinnell office.

(Rev. 10/08)

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IMPORTANT NOTICE TO CUSTOMER

In accepting this Proposal, Customer agrees to the terms and conditions contained herein including those on the following pages of this Agreement and any attachments or riders attached hereto that contain additional terms and conditions. It is understood that these terms and conditions shall prevail over any variation in terms and conditions on any purchase order or other document that the Customer may issue. Any changes in the system requested by the Customer after the execution of this Agreement shall be paid for by the Customer and such changes shall be authorized in writing. **ATTENTION IS DIRECTED TO THE LIMITATION OF LIABILITY, WARRANTY, INDEMNITY AND OTHER CONDITIONS ON THE FOLLOWING PAGES.** This Proposal shall be void if not accepted in writing within thirty (30) days from the date of the Proposal.

Offered By: SimplexGrinnell LP License#: 3865 N Business Center Dr TUCSON, AZ 85705-5042 Telephone: (520) 882 9647 Representative: Steve Linde Email: slinde@simplexgrinnell.com	Accepted By: (Customer) Company: _____ Address: _____ Signature: _____ Title: _____ P.O.#: _____ Date: _____
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Fire, Security, Communications, Sales & Service
Offices & Representatives in Principal Cities throughout North America

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

District: **Tucson Unified**
BRG Project Number: 100201203-9999-012BRG
Project Description: Replace fire alarm components
Consultant: n/a
Contractor: SimplexGrinnell (520-882-9647)
Board Approval Date: 9/3/2014

Pima County

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 32,320
Contingency ①		\$ 3,280
Additional Cost:		
Architecture / Engineering (A&E) Fees		
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 35,600
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 35,600
Total Project Cost:		\$ 35,600

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 9/29/2013 4:09:36 PM

Application ID: 746

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: 520-225-4882
Contact Email: marcus.jones@tusd1.org
School Site: Drachman Primary Magnet School
Buildings: 9999 School Wide

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 Fire Alarm System is outdated and cannot be properly maintained due to the lack of available replacement parts.

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

Current unencumbered building renewal fund balance (Fund 690):	\$0.00
Amount of Local funds planned for this project	\$0.00

Please outline any associated insurance coverage.

The District does not have any insurance funds that can be used to address this issue.

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

Superintendent Printed Name

Superintendent Signature

Date

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SimplexGrinnell Quotation

3865 N Business Center Dr
TUCSON, AZ 85705-5042
(520) 882 9647
FAX: (520) 882 7495
www.simplexgrinnell.com

TO:
TUCSON UNIFIED SCHOOL DISTRICT
1010 E 10th St, Bldg B R2
TUCSON, AZ 85719-5896

Project: Drachman TFX Upgrade
Customer Reference:
SimplexGrinnell Reference: 446408428
Date: 09/3/2013
Page 1 of 5

SimplexGrinnell is pleased to offer for your consideration this quotation for the above project.

QUANTITY	MODEL NUMBER	DESCRIPTION
Drachman TFX Upgrade		
1	4010-9402	Fire Alarm Upgrade 4010ES FACP 120V PLATINUM
2	2081-9275	BATTERY 18AH
	DPSCD	DP SVCS BLUPRT/CAD/DRAFT/COPY
	DPSVC	DP SVCS (PERMITS/FEES/BONDS)
25	4098-9714	PHOTO SENSOR
25	4098-9792	SENSOR BASE
21	4099-9003	MANUAL STATION - DOUBLE ACTION
21	STI-1100	STOPPER II W/ HORN FLUSH MOUNT
1	4009-9201	NAC EXTENDER 120VAC, IDNET
1	4009-9808	ADAPTER, CLASS A, IDNET
2	2081-9274	BATTERY 10AH
8	4098-9756	DUCT SENSOR HOUSING-4-WIRE
8	2098-9806	REMOTE TEST STATION
8	4098-9856	SAMPLING TUBE 49", PLASTIC
3	4090-9001	SUPERVISED IAM
36	4906-9127	HORN/STROBE MC RED
18	4906-9101	STROBE MC RED
1	ETHEDROP	ETHERNET-NETWORK COMPATIBLE
	Technical Services - TFX Upgrade	
	COMM LAB	Commissioning Labor
Installation Labor		
	Installation Labor	
	DPINSTAL	SUB INSTALL LABOR

Total net selling price, FOB shipping point, \$32,320.00

Comments

This proposal is for the material and labor to replace the Autocall Fire Alarm Control Panel and all of the initiating and indicating devices.

THIS QUOTATION AND ANY RESULTING CONTRACT SHALL BE SUBJECT TO THE GENERAL TERMS AND CONDITIONS ATTACHED HERETO.
Fire, Security, Communications, Sales & Service
Offices & Representatives in Principal Cities throughout North America

SimplexGrinnell Quotation

Comments (continued)

This includes plans and permits, patching and painting at main FACP.

This proposal excludes any applicable tax.

Any additional devices that might be required by the Authority Having Jurisdiction are excluded and would be quoted separately.

SimplexGrinnell

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Project: TFX Upgrade
Customer Reference:
SimplexGrinnell Reference: 446408428
Date: 09/3/2013
Page 3 of 5

TERMS AND CONDITIONS

1. Payment. Payments shall be invoiced and due in accordance with the terms and conditions set forth above. Work performed on a time and material basis shall be at the then-prevailing Company rate for material, labor, and related items, in effect at the time supplied under this Agreement. Company shall invoice Customer for progress payments to one hundred (100%) percent based upon equipment delivered or stored, and services performed. Customers without established satisfactory credit shall make payments of cash in advance, upon delivery or as otherwise specified by Company. Where Customer establishes and maintains satisfactory credit, payments shall be due and payable thirty (30) days from date of Invoice. Company reserves the right to revoke or modify Customer's credit at its sole discretion. The Customer's failure to make payment when due is a material breach of this Agreement.

If Customer fails to make any payment when due, in addition to any other rights and remedies available, Company shall have the right, at Company's sole discretion, to stop performing any Services and/or withhold further deliveries of materials, until the account is current. In the event payment is not received when due, Company may, at its discretion, assess late fees at the rate of 1.5% per month or the maximum rate allowed by law. Customer agrees to pay all costs of collection, including without limitation costs, fees, and attorneys' fees. Customer's failure to make payment when due is a material breach of this Agreement until the account is current.

2. Pricing. The pricing set forth in this Agreement is based on the number of devices to be installed and services to be performed as set forth in the Scope of Work ("Equipment" and "Services"). If the actual number of devices installed or services to be performed is greater than that set forth in the Scope of Work, the price will be increased accordingly. If this Agreement extends beyond one year, SimplexGrinnell may increase prices upon notice to the Customer. Customer agrees to pay all taxes, permits, and other charges, including but not limited to state and local sales and excise taxes, however designated, levied or based on the service charges pursuant to this Agreement.

3. Alarm Monitoring Services. Any reference to alarm monitoring services in this Agreement is included for pricing purposes only. Alarm monitoring services are performed pursuant to the terms and conditions of Company's standard alarm monitoring services agreement.

4. Code Compliance. Company does not undertake an obligation to inspect for compliance with laws or regulations unless specifically stated in the Scope of Work. Customer acknowledges that the Authority Having Jurisdiction (e.g. Fire Marshal) may establish additional requirements for compliance with local codes. Any additional services or equipment required will be provided at an additional cost to Customer.

5. Limitation of Liability; Limitations of Remedy. It is understood and agreed by the Customer that Company is not an insurer and that insurance coverage, if any, shall be obtained by the Customer and that amounts payable to company hereunder are based upon the value of the services and the scope of liability set forth in this Agreement and are unrelated to the value of the Customer's property and the property of others located on the premises. Customer agrees to look exclusively to the Customer's insurer to recover for injuries or damage in the event of any loss or injury and that Customer releases and waives all right of recovery against Company arising by way of subrogation. Company makes no guaranty or Warranty, including any implied warranty of merchantability or fitness for a particular purpose that equipment or services supplied by Company will detect or avert occurrences or the consequences therefrom that the equipment or service was designed to detect or avert. It is impractical and extremely difficult to fix the actual

damages, if any, which may proximately result from failure on the part of Company to perform any of its obligations under this Agreement. Accordingly, Customer agrees that, Company shall be exempt from liability for any loss, damage or injury arising directly or indirectly from occurrences, or the consequences therefrom, which the equipment or service was designed to detect or avert. Should Company be found liable for any loss, damage or injury arising from a failure of the equipment or service in any respect, Company's liability shall be limited to an amount equal to the Agreement price (as increased by the price for any additional work) or where the time and material payment term is selected, Customer's time and material payments to Company. Where this Agreement covers multiple sites, liability shall be limited to the amount of the payments allocable to the site where the incident occurred. Such sum shall be complete and exclusive. If Customer desires Company to assume greater liability, the parties shall amend this Agreement by attaching a rider setting forth the amount of additional liability and the additional amount payable by the Customer for the assumption by Company of such greater liability, provided however that such rider shall in no way be interpreted to hold Company as an insurer. IN NO EVENT SHALL COMPANY BE LIABLE FOR ANY DAMAGE, LOSS, INJURY, OR ANY OTHER CLAIM ARISING FROM ANY SERVICING, ALTERATIONS, MODIFICATIONS, CHANGES, OR MOVEMENTS OF THE COVERED SYSTEM(S) OR ANY OF ITS COMPONENT PARTS BY THE CUSTOMER OR ANY THIRD PARTY. COMPANY SHALL NOT BE LIABLE FOR INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, INCLUDING BUT NOT LIMITED TO DAMAGES ARISING FROM THE USE, LOSS OF THE USE, PERFORMANCE, OR FAILURE OF THE COVERED SYSTEM(S) TO PERFORM. The limitations of liability set forth in this Agreement shall inure to the benefit of all parents, subsidiaries and affiliates of company, whether direct or indirect, company's employees, agents, officers and directors.

6. Reciprocal Waiver of Claims (SAFETY Act). Certain of SimplexGrinnell's systems and services have received Certification and/or Designation as Qualified Anti-Terrorism Technologies ("QATT") under the Support Anti-terrorism by Fostering Effective Technologies Act of 2002, 6 U.S.C. §§ 441-444 (the "SAFETY Act"). As required under 6 C.F.R. 25.5 (e), to the maximum extent permitted by law, SimplexGrinnell and Customer hereby agree to waive their right to make any claims against the other for any losses, including business interruption losses, sustained by either party or their respective employees, resulting from an activity resulting from an "Act of Terrorism" as defined in 6 C.F.R. 25.2, when QATT have been deployed in defense against, response to, or recovery from such Act of Terrorism.

7. General Provisions. Customer has selected the service level desired after considering and balancing various levels of protection afforded, and their related costs. Customer acknowledges and agrees that by this Agreement, Company, unless specifically stated, does not undertake any obligation to maintain or render Customer's system or equipment as Year 2000 compliant, which shall mean, capable of correctly handling the processing of calendar dates before or after December 31, 1999. All work to be performed by Company will be performed during normal working hours of normal working days (8:00 a.m. – 5:00 p.m., Monday through Friday, excluding Company holidays), as defined by Company, unless additional times are specifically described in this Agreement.

Company will perform the services described in the Scope of Work section ("Services") for one or more system(s) or

equipment as described in the Scope of Work section or the listed attachments ("Covered System(s)").

The Customer shall promptly notify Company of any malfunction in the Covered System(s) which comes to Customer's attention. This Agreement assumes the Covered System(s) are in operational and maintainable condition as of the Agreement date. If, upon initial inspection, Company determines that repairs are recommended, repair charges will be submitted for approval prior to any work. Should such repair work be declined Company shall be relieved from any and all liability arising therefrom. UNLESS OTHERWISE SPECIFIED IN THIS AGREEMENT, ANY INSPECTION (AND, IF SPECIFIED, TESTING) PROVIDED UNDER THIS AGREEMENT DOES NOT INCLUDE ANY MAINTENANCE, REPAIRS, ALTERATIONS, REPLACEMENT OF PARTS, OR ANY FIELD ADJUSTMENTS WHATSOEVER, NOR DOES IT INCLUDE THE CORRECTION OF ANY DEFICIENCIES IDENTIFIED BY COMPANY TO CUSTOMER. COMPANY SHALL NOT BE RESPONSIBLE FOR EQUIPMENT FAILURE OCCURRING WHILE COMPANY IS IN THE PROCESS OF FOLLOWING ITS INSPECTION TECHNIQUES, WHERE THE FAILURE ALSO RESULTS FROM THE AGE OR OBSOLESCENCE OF THE ITEM OR DUE TO NORMAL WEAR AND TEAR. THIS AGREEMENT DOES NOT COVER SYSTEMS, EQUIPMENT, COMPONENTS OR PARTS THAT ARE BELOW GRADE, BEHIND WALLS OR OTHER OBSTRUCTIONS OR EXTERIOR TO THE BUILDING, ELECTRICAL WIRING, AND PIPING.

8. Customer Responsibilities. Customer shall furnish all necessary facilities for performance of its work by Company, adequate space for storage and handling of materials, light, water, heat, heat tracing, electrical service, local telephone, watchman, and crane and elevator service and necessary permits. Where wet pipe system is installed, Customer shall supply and maintain sufficient heat to prevent freezing of the system. Customer shall promptly notify Company of any malfunction in the Covered System(s) which comes to Customer's attention. This Agreement assumes any existing system(s) are in operational and maintainable condition as of the Agreement date. If, upon Initial Inspection, Company determines that repairs are recommended, repair charges will be submitted for approval prior to any work. Should such repair work be declined Company shall be relieved from any and all liability arising therefrom.

Customer shall further:

- supply required schematics and drawings unless they are to be supplied by Company in accordance with this Agreement;
- Provide a safe work environment, in the event of an emergency or Covered System(s) failure, take reasonable safety precautions to protect against personal injury, death, and property damage, continue such measures until the Covered System(s) are operational, and notify Company as soon as possible under the circumstances.
- Provide Company access to any system(s) to be serviced,
- Comply with all laws, codes, and regulations pertaining to the equipment and/or services provided under this agreement.

9. Excavation. In the event the Work includes excavation, Customer shall pay, as an extra to the contract price, the cost of any additional work performed by Company dues to water, quicksand, rock or other unforeseen condition or obstruction encountered or shoring required.

10. Structure and Site Conditions. While employees of Company will exercise reasonable care in this respect, Company shall be under no responsibility for loss or damage due to the character, condition or use of foundations, walls, or other structures not erected by it or resulting from the excavation in proximity thereto, or for damage resulting from concealed piping, wiring, fixtures, or other equipment or condition of water pressure. All shoring or protection of

SALE AND INSTALLATION AGREEMENT (continued)

foundation, walls or other structures subject to being disturbed by any excavation required hereunder shall be the responsibility of Customer. Customer shall have all things in readiness for installation including, without limitation, structure to support the sprinkler system and related equipment (including tanks), other materials, floor or suitable working base, connections and facilities for erection at the time the materials are delivered. In the event Customer fails to have all things in readiness at the time scheduled for receipt of materials, Customer shall reimburse Company for all expenses caused by such failure. Failure to make areas available to Company during performance in accordance with schedules that are the basis for Company's proposal shall be considered a failure to have things in readiness in accordance with the terms of this Agreement.

11. Confined Space. If access to confined space by Company is required for the performance of Services, Services shall be scheduled and performed in accordance with Company's then-current hourly rate.

12. Hazardous Materials. Customer represents that, except to the extent that Company has been given written notice of the following hazards prior to the execution of this Agreement, to the best of Customer's knowledge there is no:

- "permit confined space," as defined by OSHA,
- risk of infectious disease,
- need for air monitoring, respiratory protection, or other medical risk,
- asbestos, asbestos-containing material, formaldehyde or other potentially toxic or otherwise hazardous material contained in or on the surface of the floors, walls, ceilings, insulation or other structural components of the area of any building where work is required to be performed under this Agreement.

All of the above are hereinafter referred to as "Hazardous Conditions".

Company shall have the right to rely on the representations listed above. If hazardous conditions are encountered by Company during the course of Company's work, the discovery of such materials shall constitute an event beyond Company's control and Company shall have no obligation to further perform in the area where the hazardous conditions exist until the area has been made safe by Customer as certified in writing by an independent testing agency, and Customer shall pay disruption expenses and re-mobilization expenses as determined by Company.

This Agreement does not provide for the cost of capture, containment or disposal of any hazardous waste materials, or hazardous materials, encountered in any of the Covered System(s) and/or during performance of the Services. Said materials shall at all times remain the responsibility and property of Customer. Company shall not be responsible for the testing, removal or disposal of such hazardous materials.

13. OSHA Compliance. Customer shall indemnify and hold Company harmless from and against any and all claims, demands and/or damages arising in whole or in part from the enforcement of the Occupational Safety Health Act (and any amendments or changes thereto) unless said claims, demands or damages are a direct result of causes within the exclusive control of Company.

14. Interferences. Customer shall be responsible to coordinate the work of other trades (including but not limited to ducting, piping, and electrical) and for and additional costs incurred by Company arising out of interferences to Company's work caused by other trades.

15. Modifications and Substitutions. Company reserves the right to modify materials, including substituting materials of later design, providing that such modifications or substitutions will not materially affect the performance of the Covered System(s).

16. Changes, Alterations, Additions. Changes, alterations and additions to the Scope of Work, plans, specifications or construction schedule shall be invalid unless approved in writing by Company. Should changes be approved by Company, the parties shall agree, in writing, to the change in price prior to

performance of any work. However, if no agreement is reached prior to the time for performance of said work, and Company elects to perform said work so as to avoid delays, then Company's estimate as to the value of said work shall be deemed accepted by Customer. In addition, Customer shall pay for all extra work requested by Customer or made necessary because of incompleteness or inaccuracy of plans or other information submitted by Customer with respect to the location, type of occupancy, or other details of the work to be performed. In the event the layout of Customer's facilities has been altered, or is altered by Customer prior to the completion of the Work, Customer shall advise Company, and prices, delivery and completion dates shall be changed by Company as may be required.

17. Commodities Availability. Company shall not be responsible for failure to provide services, deliver products, or otherwise perform work required by this Agreement due to lack of available steel products or products made from plastics or other commodities. 1) In the event Company is unable, after reasonable commercial efforts, to acquire and provide steel products, or products made from plastics or other commodities, if required to perform work required by this Agreement, Customer hereby agrees that Company may terminate the Agreement, or the relevant portion of the Agreement, at no additional cost and without penalty. Customer agrees to pay Company in full for all work performed up to the time of any such termination. 2) If Company is able to obtain the steel products or products made from plastics or other commodities, but the price of any of the products has risen by more than 10% from the date of the bid, proposal or date Company executed this Agreement, whichever occurred first, then Company may pass through that increase through a reasonable price increase to reflect increased cost of materials.

18. Project Claims. Any claim of failure to perform against Company arising hereunder shall be deemed waived unless received by Company, in writing specifically setting forth the basis for such claim, within ten (10) days after such claims arises.

19. Backcharges. No charges shall be levied against the Seller unless seventy-two (72) hours prior written notice is given to Company to correct any alleged deficiencies which are alleged to necessitate such charges and unless such alleged deficiencies are solely and directly caused by Company.

20. System Equipment. The purchase of equipment or peripheral devices (including but not limited to smoke detectors, passive infrared detectors, card readers, sprinkler system components, extinguishers and hoses) from Company shall be subject to the terms and conditions of this Agreement. If, in Company's sole judgment, any peripheral device or other system equipment, which is attached to the Covered System(s), whether provided by Company or a third party, interferes with the proper operation of the Covered System(s), Customer shall remove or replace such device or equipment promptly upon notice from Company. Failure of Customer to remove or replace the device shall constitute a material breach of this Agreement. If Customer adds any third party device or equipment to the Covered System(s), Company shall not be responsible for any damage to or failure of the Covered System(s) caused in whole or in part by such device or equipment.

21. Reports. Where inspection and/or test services are selected, such inspection and/or test shall be completed on Company's then current Report form, which shall be given to Customer, and, where applicable, Company may submit a copy thereof to the local authority having jurisdiction. The Report and recommendations by Company are only advisory in nature and are intended to assist Customer in reducing the risk of loss to property by indicating obvious defects or impairments noted to the system and equipment inspected and/or tested. They are not intended to imply that no other defects or hazards exist or that all aspects of the Covered System(s), equipment, and components are under control at the time of inspection. Final responsibility for the condition and operation of the Covered System(s) and equipment and components lies with Customer.

22. Limited Warranty. Subject to the limitations below, Company warrants any equipment (as distinguished from the Software) installed pursuant to this Agreement to be free from defects in material and workmanship under normal use for a period of one (1) year from the date of first beneficial use or all or any part of the Covered System(s) or 18 months after Equipment shipments, whichever is earlier, provided however, that Company's sole liability, and Customer's sole remedy, under this limited warranty shall be limited to the repair or replacement of the Equipment or any part thereof, which Company determines is defective, at Company's sole option and subject to the availability of service personnel and parts, as determined by Company. Company warrants expendable items, including, but not limited to, video and print heads, television camera tubes, video monitor displays tubes, batteries and certain other products in accordance with the applicable manufacturer's warranty. Company does not warrant devices designed to fail in protecting the System, such as, but not limited to, fuses and circuit breakers.

Company warrants that any Company software described in this Agreement, as well as software contained in or sold as part of any Equipment described in this Agreement, will reasonably conform to its published specifications in effect at the time of delivery and for ninety (90) days after delivery. However, Customer agrees and acknowledges that the software may have inherent defects because of its complexity. Company's sole obligation with respect to software, and Customer's sole remedy, shall be to make available published modifications, designed to correct inherent defects, which become available during the warranty period.

If Repair Services are included in this Agreement, Company warrants that its workmanship and material for repairs made pursuant to this Agreement will be free from defects for a period of ninety (90) days from the date of furnishing.

EXCEPT AS EXPRESSLY SET FORTH HEREIN, COMPANY DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE SERVICES PERFORMED OR THE PRODUCTS, SYSTEMS OR EQUIPMENT, IF ANY, SUPPORTED HEREUNDER. COMPANY MAKES NO WARRANTY OR REPRESENTATION, AND UNDERTAKES NO OBLIGATION TO ENSURE BY THE SERVICES PERFORMED UNDER THIS AGREEMENT, THAT COMPANY'S PRODUCTS OR THE SYSTEMS OR EQUIPMENT OF THE CUSTOMER WILL CORRECTLY HANDLE THE PROCESSING OF CALENDAR DATES BEFORE OR AFTER DECEMBER 31, 1999.

Warranty service will be performed during Company's normal working hours. If Customer requests warranty service at other than normal working hours, service will be performed at Company's then current rates for after hours services. All repairs or adjustments that are or may become necessary shall be performed by and authorized representative of Company. Any repairs, adjustments or interconnections performed by Customer or any third party shall void all warranties.

23. Indemnity. Customer agrees to indemnify, hold harmless and defend Company against any and all losses, damages, costs, including expert fees and costs, and expenses including reasonable defense costs, arising from any and all third party claims for personal injury, death, property damage or economic loss, including specifically any damages resulting from the exposure of workers to Hazardous Conditions whether or not Customer pre-notifies Company of the existence of said hazardous conditions, arising in any way from any act or omission of Customer or Company relating in any way to this Agreement, including but not limited to the Services under this Agreement, whether such claims are based upon contract, warranty, tort (including but not limited to active or passive negligence), strict liability or otherwise. Company reserves the right to select counsel to represent it in any such action.

24. Insurance. Customer shall name Company, its officers, employees, agents, subcontractors, suppliers, and

SimplexGrinnell

BE SAFE.

Project: TFX Upgrade
Customer Reference:
SimplexGrinnell Reference: 446408428
Date: 09/3/2013
Page 5 of 5

SALE AND INSTALLATION AGREEMENT

(continued)

representatives as additional insureds on Customer's general liability and auto liability policies.

25. Termination. Any termination under the terms of this Agreement shall be made in writing. In the event Customer terminates this Agreement prior to completion for any reason not arising solely from Company's performance or failure to perform, Customer understands and agrees that Company will incur costs of administration and preparation that are difficult to estimate or determine. Accordingly, should Customer terminate this Agreement as described above, Customer agrees to pay all charges incurred for products and equipment installed and services performed, and in addition pay an amount equal to twenty (20%) percent of the price of products and equipment not yet delivered and Services not yet performed, return all products and equipment delivered and pay a restocking fee of twenty (20%) percent of the price of products or equipment returned.

Company may terminate this Agreement immediately at its sole discretion upon the occurrence of any Event of Default as hereinafter defined. Company may also terminate this Agreement at its sole discretion upon notice to Customer if Company's performance of its obligations under this Agreement becomes impracticable due to obsolescence of equipment at Customer's premises or unavailability of parts.

26. No Option to Solicit. Customer shall not, directly or indirectly, on its own behalf or on behalf of any other person, business, corporation or entity, solicit or employ any Company employee, or induce any Company employee to leave his or her employment with Company, for a period of two years after the termination of this Agreement.

27. Default. An Event of Default shall be 1) failure of the Customer to pay any amount within ten (10) days after the amount is due and payable, 2) abuse of the System or the Equipment, 3) dissolution, termination, discontinuance, insolvency or business failure of Customer. Upon the occurrence of an Event of Default, Company may pursue one or more of the following remedies, 1) discontinue furnishing Services, 2) by written notice to Customer declare the balance of unpaid amounts due and to become due under the this Agreement to be immediately due and payable, provided that all past due amounts shall bear interest at the rate of 1 1/2% per month (18% per year) or the highest amount permitted by law, 3) receive immediate possession of any equipment for which Customer has not paid, 4) proceed at law or equity to enforce performance by Customer or recover damages for breach of this Agreement, and 5) recover all costs and expenses, including without limitation reasonable attorneys' fees, in connection with enforcing or attempting to enforce this Agreement.

28. Exclusions. Unless expressly included in the Scope of Work, this Agreement expressly excludes, without limitation, testing inspection and repair of duct detectors, beam detectors, and UV/IR equipment; provision of fire watches; clearing of ice blockage; draining of improperly pitched piping; replacement of batteries; recharging of chemical suppression systems; reloading of, upgrading, and maintaining computer software; system upgrades and the replacement of obsolete systems, equipment, components or parts; making repairs or replacements necessitated by reason of negligence or misuse of components or equipment or changes to Customer's premises, vandalism, corrosion (including but not limited to micro-bacterially induced corrosion ("MIC")), power failure, current fluctuation, failure due to non-Company installation, lightning, electrical storm, or other severe weather, water, accident, fire, acts of God or any other cause external to the Covered System(s). Repair Services provided pursuant to this Agreement do not cover and specifically excludes system upgrades and the replacement of obsolete systems, equipment, components or parts. All such services may be provided by Company at Company's sole discretion at an additional charge. If Emergency Services are expressly included in the scope of work section, the Agreement price does not include travel expenses.

29. Force Majeure; Delays. Company shall not be liable for any damage or penalty for delays or failure to perform work due to acts of God, acts or omissions of Customer, acts of civil or military authorities, Government regulations or priorities, fires, epidemics, quarantine, restrictions, war, riots, civil disobedience or unrest, strikes, delays in transportation, vehicle shortages, differences with workmen, inability to obtain necessary labor, material or manufacturing facilities, defaults of Company's subcontractors, failure or delay in furnishing complete information by Customer with respect to location or other details of work to be performed, impossibility or impracticability of performance or any other cause or causes beyond Company's control, whether or not similar to the foregoing. In the event of any delay caused as aforesaid, completion shall be extended for a period equal to any such delay, and this contract shall not be void or voidable as a result of the delay. In the event work is temporarily discontinued by any of the foregoing, all unpaid installments of the contract price, less an amount equal to the value of material and labor not furnished, shall be due and payable upon receipt of invoice by Customer.

30. One-Year Limitation on Actions; Choice of Law. It is agreed that no suit, or cause of action or other proceeding shall be brought against either party more than one (1) year after the accrual of the cause of action or one (1) year after the claim

arises, whichever is shorter, whether known or unknown when the claim arises or whether based on tort, contract, or any other legal theory. The laws of Massachusetts shall govern the validity, enforceability, and interpretation of this Agreement.

31. Assignment. Customer may not assign this Agreement without Company's prior written consent. Company may assign this Agreement to an affiliate without obtaining Customer's consent.

32. Entire Agreement. The parties intend this Agreement, together with any attachments or Riders (collectively the "Agreement") to be the final, complete and exclusive expression of their Agreement and the terms and conditions thereof. This Agreement supersedes all prior representations, understandings or agreements between the parties, written or oral, and shall constitute the sole terms and conditions of sale for all equipment and services. No waiver, change, or modification of any terms or conditions of this Agreement shall be binding on Company unless made in writing and signed by an Authorized Representative of Company.

33. Severability. If any provision of this Agreement is held by any court or other competent authority to be void or unenforceable in whole or in part, this Agreement will continue to be valid as to the other provisions and the remainder of the affected provision.

34. Legal Fees. Company shall be entitled to recover from the customer all reasonable legal fees incurred in connection with Company enforcing the terms and conditions of this Agreement.

35. License Information (Security System Customers): AL Alabama Electronic Security Board of Licensure 7956 Vaughn Road, Pmb 392, Montgomery, Alabama 36116 (334) 264-9388; AR Regulated by: Arkansas Board of Private Investigators And Private Security Agencies, #1 State Police Plaza Drive, Little Rock 72209 (501)618-8600; CA Alarm company operators are licensed and regulated by the Bureau of Security and Investigative Services, Department of Consumer Affairs, Sacramento, Ca, 95814. Upon completion of the installation of the alarm system, the alarm company shall thoroughly instruct the purchaser in the proper use of the alarm system. Failure by the licensee, without legal excuse, to substantially commence work within 20 days from the approximate date specified in the agreement when the work will begin is a violation of the Alarm Company Act: NY Licensed by N.Y.S. Department of the State: TX Texas Commission on Private Security, 5805 N. Lamar Blvd., Austin, 78752-4422, 512-424-7710. License numbers available at www.simplexgrinnell.com or contact your local SimplexGrinnell office.

(Rev. 10/08)

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IMPORTANT NOTICE TO CUSTOMER

In accepting this Proposal, Customer agrees to the terms and conditions contained herein including those on the following pages of this Agreement and any attachments or riders attached hereto that contain additional terms and conditions. It is understood that these terms and conditions shall prevail over any variation in terms and conditions on any purchase order or other document that the Customer may issue. Any changes in the system requested by the Customer after the execution of this Agreement shall be paid for by the Customer and such changes shall be authorized in writing. **ATTENTION IS DIRECTED TO THE LIMITATION OF LIABILITY, WARRANTY, INDEMNITY AND OTHER CONDITIONS ON THE FOLLOWING PAGES. This Proposal shall be void if not accepted in writing within thirty (30) days from the date of the Proposal.**

Offered By: SimplexGrinnell LP License#: 3865 N Business Center Dr TUCSON, AZ 85705-5042 Telephone: (520) 882 9647 Representative: Steve Linde Email: sllinde@simplexgrinnell.com	Accepted By: (Customer) Company: _____ Address: _____ Signature: _____ Title: _____ P.O.#: _____ Date: _____
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Fire, Security, Communications, Sales & Service
Offices & Representatives in Principal Cities throughout North America

**STATE OF ARIZONA
SCHOOL FACILITIES BOARD**

Meeting Date: September 3, 2014

Agenda Item VI.g.

Subject: VI. Building Renewal Grant Requests
g. Consideration and possible vote to accept, reject or modify Building Renewal Grant Requests (construction awards)

Tucson Unified

Background – Tucson Unified (Santa Rita HS – generator repair)

Tucson Unified has submitted a Building Renewal Grant request for the repair of the emergency generator at Santa Rita High School.

Tucson Unified has 120 schools. Santa Rita High School is comprised of five buildings constructed between 1967 and 1993, totaling 317,879 square feet.

A blown head gasket was discovered during a regular preventative maintenance inspection. The district has an emergency generator at all the high schools and most of the middle schools for power outages during school hours.

The district received a low bid of \$4,557 for the generator repair.

Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

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

No staff recommendation. The Board may choose to use their discretion to award funding.

Attachments: Yes [X] No []

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

District: **Tucson Unified**
BRG Project Number: 100201655-9999-013BRG
Project Description: Generator repair
Consultant: n/a
Contractor: W.W. Williams Southwest (602-257-0561)
Board Approval Date: 9/3/2014

Pima County

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ 4,557
Contingency ①		\$ -
Additional Cost:		
Architecture / Engineering (A&E) Fees		
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ -
Total SFB Funded Project Cost:		\$ 4,557
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 4,557
Total Project Cost:		\$ 4,557

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 7/28/2014 9:42:27 AM

Application ID: 1377

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: Edward H. Lees
Contact Phone Number: 520-225-4891/520-490-6218
Contact Email: edward.lees@tusd1.org
School Site: Santa Rita High School
Buildings: 9999 School Wide

Application Title: Emergency Generator - Blown Headgasket 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 emergency generator that is located at Santa Rita H.S. has a blown headgasket, a block heater inoperable and a need for battery replacement. This quote is from the contractor (W. W. Williams Southwest - Power Generation) that has the emergency generator maintenance service contract, which the are very familiar with the district emergency generators (4,556.96).

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
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Please outline any associated insurance coverage.

At this point, I am asking for SFB funding in order to complete this rebuild of this particular emergency generator at this school site. As for other funding, M&O funding that Maintenance does have, is already earmarked for other possible deficiencies.

Liaison: Demland ddemland@azsfb.gov

602-542-6567

Superintendent Printed Name



REPAIR QUOTATION FORM

W.W. Williams
Consider It Done.**W. W. Williams Southwest - Power Generation**
2602 S. 19th Avenue, Phoenix AZ 85009
Phone: (602) 257-0561 – Fax: (602) 257-8641**Quotation Number: R14-4158****Submitted By: Margie Randles-Service Supervisor Date: 04/15/2014**

Customer Name: TUSD Customer Number: 485560 Contact Name: Ed Lees Contact Phone: 520-2254891 Contact Fax: Contact E-Mail: edward.lees@tusd1.org	Unit#: Santa Rita Unit Mfr: Elliot Unit Model: 25RN Unit S/N: BW12J179 Location: Santa Rita
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During the 3/27/14 maintenance, Unit was found with "high temp shut down code", troubleshot and found head gaskets failed and blowing compression into cooling system, block heater inoperable, battery over 2 years old.

****Unit is out of service at this time****

***Quote to include disassembly of engine, reassemble with new cylinder heads and gaskets, fresh oil and filter, reassemble, install new block heater, coolant, rad cap, and battery, steam clean radiator, perform opps check and load bank for 30 minutes to test integrity

Cylinder Head		\$2,243.47
Cylinder Gasket		\$36.76
Coolant		\$43.20
Rad Cap		\$5.29
Block Heater		\$63.47
Battery		\$103.31
Misc Parts		\$250.00
Scissor Lift Rental	(Estimated)	\$500.00
Freight		\$75.00
EPA Disposal Fees		\$45.00
Labor	(10 at \$85.00)	\$850.00

Total Quote**(plus applicable taxes)**

\$341.50

Total: \$4,215.50

+ 341.50

\$4,557

I authorize you to do the above repair and/or service work, including the installation of all parts and materials to complete such work and incurring travel expense, and grant you and/or your agents permission to operate the above equipment or engine on streets, highways or elsewhere for testing and/or inspection. I acknowledge that you shall have an express mechanic's or repairman's lien on the equipment or engine to secure the amount due for the above work. I understand that failure of the manufacturer to reimburse you shall not alleviate me from the responsibility of the cost of such repairs. You shall not be responsible for loss or damage to articles left with the above equipment or engine in case of any fire or theft, or any cause beyond your control. In the event that the account for the above work is referred to an attorney or otherwise for collection, I shall pay the account plus reasonable attorney's fees and court costs. I authorize you to dispose of any parts and materials which are replaced in connection with the above work unless otherwise expressly indicated. Equipment left at your location more than 30 days after notice of completion will be towed, and I will be responsible for the cost of towing and storage.

AUTHORIZED BY: _____ DATE: _____ PO#: _____

Note: Email authorization constitutes written acceptance of this estimate.

UNLESS INDICATED SALES TAX IS NOT INCLUDED. Unless indicated this estimate is good for 30 days. Estimate is based on our normal business hours.

LIMITED WARRANTY: Williams assigns to customer all rights under manufacturers' warranties on parts and products, to the extent assignable. **WILLIAMS DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.** Williams' warranty on workmanship is limited to ninety days after service date and covers the cost to remove and reinstall parts sold and installed by Williams. Williams is not responsible for consequential damages, loss of use, lost profits, incidental damages and the like.



W.W. Williams
Consider It Done.

GENERATOR INSPECTION CHECKLIST

Customer: TUSD (SANTA RITA HIGH SCHOOL) Contact: AUDIE Repair Order #: 4102290 Date: 2/20/13

Address: 3951 S. PANTANO RD. City: TUCSON Zip: 85717 Unit#: 25 KW

	Equipment Make	Model Number	Serial Number	Spec Number	Hours
Equipment	ELLIOTT	25RN	BW12J179		323.3
Engine	GM	3.0 LTR	EMI 252168-00		
Switch	CUTLER HAMER	ATHMFDA30070XSU	KO04522		

Perform: OIS ☒ PM ☒ Trk/Miles: 1976 Checklist Key: ☒ or A Acceptable X Needs Attention N/A Not Applicable

Engine Lube System:

- ☒ Inspect for leaks (repair minor leaks)
- ☒ Check oil level and fill (up to 1 gallon)

Engine Cooling System:

- ☒ Inspect for leaks (repair minor leaks)
- ☒ Check belts and hoses
- ☒ Check coolant level & fill (up to 1 gal)
- ☒ Coolant freeze point SAMPLE °F
- ☒ Inhibitors (Nitrites) SAMPLE ppm
- ☒ Check cooling loop strainer for obstruction
- ☒ Inspect cooling system for obstructions
- ☒ Inspect radiator/heat exchanger cap
- ☒ Inspect pulleys for excessive wear
- ☒ Pressure test system (if required)

7 PSI

NA Lubricate fan drive

Engine Air System:

- ☒ Inspect air cleaner
- ☒ Check air cleaner indicator for proper operation
- ☒ Check intake system for damaged or loose connections

NA Service crank case breather systems

NA Service air box drains

Engine Fuel System:

- ☒ Inspect for leaks (repair minor leaks)
- ☒ Check fuel level NAT GAS
- ☒ Check for water in fuel
- ☒ Drain water from water separator
- ☒ Check day tank pump and alarms for proper operation
- ☒ Inspect and lubricate governor linkage
- ☒ Check governor oil level and add if needed

Engine Electrical System:

- ☒ Check condition of cables, wiring, loom, straps & connections
- ☒ Check engine alternator
- ☒ Inspect ignition system-gas engines only
- ☒ Check general condition of batteries
- ☒ Last changed 6/28/11 (date)
- ☒ Check operation of all unit heaters (oil, coolant, battery)

Engine Electrical System (cont.):

- ☒ Check electrolyte levels
- ☒ Clean battery posts/cables and apply corrosion inhibitor
- ☒ Load test batteries
- ☒ Inspect and test battery charger(s) for high and low rate and alarms
- ☒ Low High
- ☒ Battery static charge (vdc)
- ☒ L 13.4 R
- ☒ Test starter drop (vdc)
- ☒ L 9.8 R

AC Generator:

- ☒ Inspect guard for loose or missing parts
- ☒ Inspect AC connections for tightness
- ☒ Inspect exciter and brushes / slip rings
- ☒ Inspect generator bearing
- ☒ Lube generator-bearing (external access only)

Test Generator without load:

- ☒ Inspect louvers and duct work
- ☒ Inspect vibration isolators
- ☒ Check for abnormal noise
- ☒ Check for excessive crankcase discharge
- ☒ Check governor response
- ☒ Check for operation of remote equipment (fan motors, valves, pumps and louvers)

Engine Exhaust System:

- ☒ Check exhaust system for leaks
- ☒ Inspect exhaust outlet protection
- ☒ Drain condensation trap (if accessible)
- ☒ Check for broken or missing hardware
- ☒ Check for engine wet stacking

Engine Instrumentation:

- ☒ Check all instruments and lamps for proper operation
- ☒ Inspect the remote annunciator
- ☒ Check hour meter operation
- ☒ Check and record engine readings:
- ☒ NA Tachometer RPM
- ☒ Engine oil pressure 144 Cold 144 Hot
- ☒ Engine coolant temp. 175 F
- ☒ Voltmeter 14.5 VDC
- ☒ NA Ammeter ADC

Check and record generator readings and adjust as necessary:

- ☒ AC Voltage A484 B484 C484
- ☒ AC Frequency 60 Hz

Engine Protection System:

Test shutdown circuits for proper operation:

- ☒ Over crank
- ☒ Low oil pressure
- ☒ High water temperature
- ☒ NA Over speed
- ☒ Test pre-alarms
- ☒ Check instrument panel emergency alarm and lights

Switchgear/Automatic Transfer Switch-Level 1

- ☒ Inspect general cleanliness (Interior/Exterior)
- ☒ Inspect for signs of moisture
- ☒ Inspect lugs, terminals, connections, and wiring
- ☒ NA Check audio signaling
- ☒ NA Check indicating lights

Misc:

- ☒ Wipe down engine and valve covers
- ☒ General condition of generator set / room

PM Services:

- ☒ Change oil 3 Gal 154 SAE Wt
- ☒ Change oil filters
- ☒ NA Change coolant filter (s)
- ☒ NA Change oil and clean elements-wet type
- ☒ NA Change day tank, primary and secondary fuel filter(s) (diesel)
- ☒ Will properly dispose of fluids/filters

Additional Services

- ☒ Oil sample analysis
- ☒ NA Fuel sample analysis
- ☒ Coolant sample analysis
- ☒ NA Change air filters
- ☒ Perform Load Bank test and supply documentation
- ☒ NA Building Test
- ☒ NA Switchgear/ATS Level 2 ☐ Level 3 ☐

General Comments: CONDUCTED PM SERVICE AND INSPECTION. FOUND THE FOLLOWING DEFICENCIES:

UPON ARIVING UNIT FOUND UNIT IN SHUT DOWN ALARM FOR HIGH COOLANT TEMP. TROUBLESHOOT AND FOUND A LEAK AT A RUBBER PLUG. REPAIRED AND FILLED WITH 1 GALLON COOLANT. CLEARED CODE. CONTINUED ON WITH INSPECTION AND SERVICE.

YES Returned Controls to Normal Operating Positions Control Switch: On ☒ Auto Off Circuit Breaker: Open ☒ Closed

Authorized Personnel Signature

Date

BOB SEVINSKY

Technician's Signature

Date

2/20/13

LOAD BANK TEST FORM



W.W. Williams
Consider It Done.

CUSTOMER:	TUSD (SANTA RITA HIGH SCHOOL)	R.O. NUMBER:	4102290	UNIT#:	25 KW
ADDRESS:	3951 S. PANTANO RD.	TEST DATE:	2/20/2013		
CITY, STATE:	TUCSON, AZ.	TEST DURATION:	2 HOUR		
CONTACT:	AUDIE	TECHNICIAN:	BOB SEVINSKY		

EQUIPMENT MAKE		MODEL NUMBER		SERIAL NUMBER		SPEC NUMBER			KWH/HP	START HOURS	FINISH HOURS				
GENSET:	ELLIOTT	25RN		BW12J179					25	323.3					
ENGINE:	GM	3.0 LTR		EMI 252108-00							325.3				
	BATTERY VOLTAGE	OIL PSI	COOLANT TEMP	AMBIENT TEMP	EXHAUST TEMP	HZ	VAC L1-L2	VAC L2-L3	VAC L3-L1	AMPS L1	AMPS L2	AMPS L3	PF	KW	% LOAD
11:30	15	43	167	NA	NA	60	484	484	484	7	7	7	1	5.87	23%
11:45	15	43	170	NA	NA	60	480	480	480	7	7	7	1	5.82	23%
12:00	15	42	170	NA	NA	60	482	484	482	18	18	18	1	15.05	60%
12:15	15	42	174	NA	NA	60	482	484	482	18	18	18	1	15.05	60%
12:30	15	41	174	NA	NA	60	484	484	484	24	23	24	1	19.84	79%
12:45	15	41	170	NA	NA	60	484	484	484	24	23	24	1	19.84	79%
13:00	15	41	178	NA	NA	60	484	484	484	24	23	24	1	19.84	79%
13:15	15	41	176	NA	NA	60	484	484	484	24	23	24	1	19.84	79%
13:30	15	41	176	NA	NA	60	484	484	484	24	23	24	1	19.84	79%
COOL	DOWN	COOL	DOWN	COOL	DOWN	COOL	DOWN	COOL	DOWN	COOL	DOWN	COOL	DOWN	COOL	DOWN
													1	0.00	0%

NOTES AND COMMENTS:
CHECKED OIL AND COOLANT LEVEL. STARTED AND RAN UNIT UNDER LOAD BANK. ALL WAS GOOD.

PUT UNIT IN AUTO AND CLOSED CIRCUIT BREAKER.

SIGNATURE OF OWNER OR AUTHORIZED PERSONNEL

TECHNICIAN'S SIGNATURE

BOB SEVINSKY

THIS FORM IS TO CERTIFY THAT THE WORK PERFORMED ON JOB WAS SATISFACTORY TO COMPLETE THE ABOVE TESTING AND ACCEPTED BY OWNER OR AUTHORIZED PERSONNEL.

GENERATOR INSPECTION CHECKLIST

Parts Used:

Quantity	Part#	Description
1	P550025	LUBE FILTER
3GAL	15W40	OIL
1 GAL	POWER COOL	COOLANT
2	OIL/COOLANT SAMPLE KITS	KITS

Recommended Repairs – List separately if customer requested separate quotes

Quote 1: _____ Hours: _____

Quantity	Part#	Description

Quote 2: _____ Hours: _____

Quantity	Part#	Description

Quote 3: _____ Hours: _____

Quantity	Part#	Description

W.W. Williams

2602 SOUTH 19TH AVENUE
PHOENIX, AZ 85009-9127
PHONE: (602)257-0561
FAX: (602)257-8641
FEDERAL ID 86-0208148

INVOICE NUMBER

4105703-00

INVOICE DATE

02/21/13

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TUCSON UNIFIED SCHOOL DIS
FINANCE DEPARTMENT
P.O. BOX 40400
TUCSON, AZ 85717

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TUCSON UNIFIED SCHOOL DIS
SANTA RITA HIGH SCHOOL
3951 S PANTANO
TUCSON, AZ 85730

CUSTOMER NO		PURCHASE ORDER NO		ORDER DATE	TERMS	REPAIR ORDER NO			
485560		22334-0-TUSD		12/11/12	N15	4102290-000			
				RECV DATE	WORK LOCATION	CUSTOMER CONTACT/AUTH			
				12/11/12	FIELD 85730	AUDIE STEVENS			
LN #	QUANTITY ORDERED	PART NUMBER	DESCRIPTION			QUANTITY		UNIT PRICE	EXTENDED PRICE
					SHIPPED	B/O			
***** REPAIR ORDER *****									
-----EQUIPMENT-----		*-----COMPONENT-----*			*-----*				
OEM: GMC		MFR: GMC							
FLEET#: TUSD		DESC: SANTA RITA HS GENERATOR							
MODEL: 25RN		MODEL: 3.0L							
SERIAL: 08948		SERIAL: 08948							
MLS/HRS:		0 CAB							
		PARTS 59.74							
		LABOR 279.41							
COMPLAINT:		2012 MAJOR PM SERVICE AND INSPECTION WITH LOAD BANK TESTING SANTA RITA HS---MDL 25KW GENERATOR							
CAUSE:		SCHEDULED SERVICES PERFORMED ON - 2/20/13							
CORRECTION:		CURRENT UNIT HOURS AT = 323.3 PERFORM ANNUAL SERVICE AND INSPECTION. CHANGED OIL AND OIL FILTER(S). CHANGED FUEL FILTER(S) AND TESTED FUEL PRESSURE TESTED FUEL SYSTEM AND VERIFIED NO LEAKS. CHECKED TESTED INHIBITOR LEVELS. PRESSURE TESTED FOR LEAKS. CHECKED AIR INLET SYSTEM. SERVICED CRANKCASE BREATHER. VERIFY PROPER OPERATION OF LOUVERS AND DUCT WORK AND INSPECT FOR DETERIORATION. CLEANED AND TESTED BATTERIES. TESTED BATTERY CHARGER. AND PROPER OPERATION OF CHARGING SYSTEM. TESTED BLOCK HEATER OPERATION. STARTED UNIT. VERIFY NO EXHAUST LEAKS. INSPECT EXHAUST SYSTEM FOR CORROSION AND TIGHTEND ALL CONNECTIONS. DRAINED CONDENSATION FROM MUFFLER (IF APPLICABLE). INSURED PROPER OPERATION OF ENGINE WARNING AND SHUTDOWN SYSTEMS. VERIFIED PROPER VOLTAGE OUTPUT. OIL SENSING DEVICE OPERATION AND WATER SENSING DEVICE OPERATION. TESTED OVERSPEED GOVERNOR AND OVERCRANK ALARMS. VERIFIED INSTRUMENT PANEL LIGHTS OPERATING CORRECTLY. PLACED UNIT IN AUTO: TERMINATED LUGS TO OUTPUT SIDE OF GENSET. APPLIED LOAD TO 50% FOR 15 MINUTES. STEP LOAD UNIT TO 100% NAMEPLATE RATING. ALLOW LOAD TEST TO RUN FOR 2 HOURS. REDUCE LOAD TO 50% FOR 15 MINUTES. STOP LOAD. LET UNIT COOL. REMOVED LOAD CABLES. CLEAN SITE AREA. PLACED UNIT IN AUTO. BREAKER CLOSED.							

YOUR GENERATOR HAS BEEN SERVICED BY AN "EGSA CERTIFIED"
ELECTRICAL GENERATOR SYSTEMS TECHNICIANS

PLEASE REMIT IN U.S. DOLLARS TO:
W. W. WILLIAMS
DEPT L- 303
COLUMBUS, OH 43260-9303

ORDER SUBTOTAL	339.15
EPA CHARGE	5.97
MISC SUPPLIES	4.78
SALES TAX	5.10
INVOICE TOTAL	355.00
PAYMENT	0.00

TOTAL DUE 355.00

FINANCE CHARGES OF 1.50 % PER MONTH APPLIED TO ALL ACCOUNTS IN ARREARS

PAGE 1

W.W. Williams

2602 SOUTH 19TH AVENUE
PHOENIX, AZ 85009-9127
PHONE: (602)257-0561
FAX: (602)257-8641
FEDERAL ID 86-0208148

INVOICE NUMBER

4105703-00

INVOICE DATE

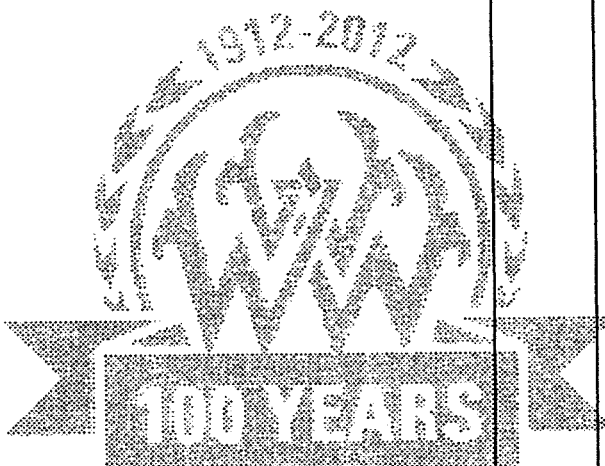
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TUCSON UNIFIED SCHOOL DIS
FINANCE DEPARTMENT
P.O. BOX 40400
TUCSON, AZ 85717

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TUCSON UNIFIED SCHOOL DIS
SANTA RITA HIGH SCHOOL
3951 S PANTANO
TUCSON, AZ 85730

CUSTOMER NO		PURCHASE ORDER NO		ORDER DATE	TERMS	REPAIR ORDER NO	
485560		22334-0-TUSD		12/11/12	N15	4102290-000	
				RECV DATE	WORK LOCATION	CUSTOMER CONTACT/AUTH	
				12/11/12	FIELD 85730	AUDIE STEVENS	
LN #	QUANTITY ORDERED	PART NUMBER	DESCRIPTION	QUANTITY		UNIT PRICE	EXTENDED PRICE
				SHIPPED	B/O		
		IF YOU HAVE ANY QUESTIONS CONCERNING THIS INVOICE, PLEASE CONTACT BARBARA MOTTRAM, AT 602-257-0561 OR 800-944-7375					
							

PLEASE REMIT IN U.S. DOLLARS TO:
W. W. WILLIAMS
DEPT L- 303
COLUMBUS, OH 43260-9303

ORDER SUBTOTAL	339.15
EPA CHARGE	5.97
MISC SUPPLIES	4.78
SALES TAX	5.10
INVOICE TOTAL	355.00
PAYMENT	0.00

TOTAL DUE 355.00

FINANCE CHARGES OF 1.50 % PER MONTH APPLIED TO ALL ACCOUNTS IN ARREARS

PAGE 2

W.W. Williams

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PHOENIX, AZ 85009-9127
PHONE: (602)257-0561
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FEDERAL ID 86-0208148

INVOICE NUMBER

4105703-00

INVOICE DATE

02/21/13

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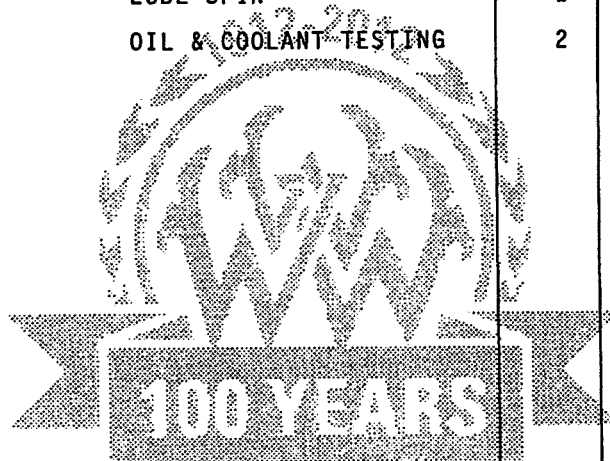
TUCSON UNIFIED SCHOOL DIS
FINANCE DEPARTMENT
P.O. BOX 40400
TUCSON, AZ 85717

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TUCSON UNIFIED SCHOOL DIS
SANTA RITA HIGH SCHOOL
3951 S PANTANO
TUCSON, AZ 85730

CUSTOMER NO		PURCHASE ORDER NO		ORDER DATE	TERMS	REPAIR ORDER NO	
485560		22334-0-TUSD		12/11/12	N15	4102290-000	
				RECV DATE	WORK LOCATION	CUSTOMER CONTACT/AUTH	
				12/11/12	FIELD 85730	AUDIE STEVENS	
LN #	QUANTITY ORDERED	PART NUMBER	DESCRIPTION	QUANTITY		UNIT PRICE	EXTENDED PRICE
				SHIPPED	B/O		
	3	***** PARTS CONTENT ***** MBL 23512703	DDC GENUINE SAE 15W40	3		13.53	40.59
	1	DN P550025	LUBE SPIN	1		4.71	4.71
	2	FLUID TESTING	OIL & COOLANT TESTING	2		7.22	14.44



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Authorized by Owner or Agent	Date
------------------------------	------

Printed Name



Customer: TUSD (SANTA RITA HIGH SCHOOL) Contact: AUDIE Repair Order #: 4917378 Date: 6/28/11

Address: 3951 S. PANTANO RD. City: TUCSON Zip: 85717 Unit#: 25 KW

	Equipment Make	Model Number	Serial Number	Spec Number	Hours
Equipment	ELLIOTT	25RN	BW12J179		297.7
Engine	GM	3.0 LTR	EMI 252168-00		
Switch	CUTLER HAMER	ATHMFDA30070XSU	KO04522		

Perform: OIS ☒ PM ☒ Trk/Miles: 1976 Checklist Key: ☒ or A Acceptable X Needs Attention N/A Not Applicable

- A** Inspect for leaks (repair minor leaks)
- A** Check oil level and fill (up to 1 gallon)
- Engine Cooling System:**
 - A** Inspect for leaks (repair minor leaks)
 - A** Check belts and hoses
 - A** Check coolant level & fill (up to 1 gal)
 - A** Coolant freeze point -32 °F
 - A** Inhibitors (Nitrites) 1200 ppm
 - NA** Check cooling loop strainer for obstruction
 - A** Inspect cooling system for obstructions
 - A** Inspect radiator/heat exchanger cap
 - A** Inspect pulleys for excessive wear
 - A** Pressure test system (if required)

Last changed 6/28/11 (date)
A Check operation of all unit heaters
 (oil, coolant, battery)

A Check electrolyte levels

A Clean battery posts/cables and apply corrosion inhibitor

A Load test batteries

NA Inspect and test battery charger(s) for high and low rate and alarms

Low _____ High _____

A Battery static charge (vdc)

L 12.6 _____ R _____

A Test starter drop (vdc)

L 10.2 _____ R _____

- A** Inspect guard for loose or missing parts
- A** Inspect AC connections for tightness
- NA** Inspect exciter and brushes / slip rings
- NA** Inspect generator bearing
- NA** Lube generator-bearing (external access only)

Test Generator without load:

- NA** Inspect louvers and duct work
- A** Inspect vibration isolators
- A** Check for abnormal noise
- A** Check for excessive crankcase discharge
- A** Check governor response
- NA** Check for operation of remote equipment (fan motors, valves, pumps and louvers)

NA Inspect the remote annunciator
A Check hour meter operation
Check and record engine readings:

NA Tachometer _____ RPM
 A Engine oil pressure 45 Cold 41 Hot
 A Engine coolant temp. 195 F
 A Voltmeter 14.9 VDC
 NA Ammeter _____ ADC

NA Building Test
NA Switchgear/ATS Level 2 ☐ **Level 3** ☐

BLOCK HEATER AND OIL PSI SENDER FAILED/REPLACED. NO FAULTS FOUND.

YES Returned Controls to Normal Operating Positions Control Switch: On **X** Auto Off Circuit Breaker: Open **X** Closed

Authorized Personnel Signature

Date _____

BOB SEVINSKY

Technician's Signature

6/28/11

Date _____



LOAD BANK TEST FORM



W.W. Williams
Consider It Done.

CUSTOMER:	TUSD (SANTA RITA HIGH SCHOOL)	R.O. NUMBER:	UNIT#:	25 KW
ADDRESS:	3951 S. PANTANO RD.	TEST DATE:	6/28/2011	
CITY, STATE:	TUCSON, AZ.	TEST DURATION:	2 HOUR	
CONTACT:	AUDIE	TECHNICIAN:	BOB SEVINSKY	

EQUIPMENT MAKE		MODEL NUMBER		SERIAL NUMBER		SPEC NUMBER			KWH/HP	START HOURS	FINISH HOURS				
GENSET:	ELLIOTT	25RN		BW12J179					25	297.7					
ENGINE:	GM	3.0 LTR		EMI 252168-00							299.8				
TIME	BATTERY VOLTAGE	OIL PSI	COOLANT TEMP	AMBIENT TEMP	EXHAUST TEMP	HZ	VAC L1-L2	VAC L2-L3	VAC L3-L1	AMPS L1	AMPS L2	AMPS L3	PF	KW	% LOAD
11:30	15	43	171	102	541	60	480	480	480	7	7	7	1	5.82	23%
11:45	15	43	171	102	541	60	480	480	480	7	7	7	1	5.82	23%
12:00	15	42	187	102	617	60	480	480	480	14	14	14	1	11.64	47%
12:15	15	42	187	105	617	60	480	480	480	14	14	14	1	11.64	47%
12:30	15	41	192	109	639	60	480	480	480	23	23	23	1	19.12	76%
12:45	15	41	203	109	645	60	480	480	480	23	23	23	1	19.12	76%
13:00	15	41	200	110	638	60	480	480	480	18	18	18	1	14.96	60%
13:15	15	41	200	110	625	60	480	480	480	18	18	18	1	14.96	60%
13:30	15	41	201	110	625	60	480	480	480	18	18	18	1	14.96	60%
COOL	DOWN	COOL	DOWN	COOL	DOWN	COOL	DOWN	COOL	DOWN	COOL	DOWN	COOL	DOWN	COOL	DOWN

NOTES AND COMMENTS:

NOTES AND COMMENTS:

CHECKED OIL AND COOLANT LEVEL. STARTED AND RAN UNIT UNDER LOAD BANK. ALL WAS GOOD UNTIL AT ABOUT 76% THE TEMP WENT TO 203°F. I BACKED DOWN THE LOAD TO 60% AND THE TEM WENT DOWN AND STAYED AT 200°F.

PUT UNIT IN AUTO AND CLOSED CIRCUIT BREAKER.

SIGNATURE OF OWNER OR AUTHORIZED PERSONNEL

TECHNICIAN'S SIGNATURE

BOB SEVINSKY

THIS FORM IS TO CERTIFY THAT THE WORK PERFORMED ON JOB WAS SATISFACTORY TO COMPLETE THE ABOVE TESTING AND ACCEPTED BY OWNER OR AUTHORIZED PERSONNEL.



W.W. Williams

Consider It Done.

FIELD SERVICE REPORT

Date: 6/28/11

Repair Order#: 4920962

Customer: TUSD (SANTA RITA HIGH SCHOOL) Contact: AUDIE Unit#: 25 KW

Address: 3951 S. PANTANO RD City: TUCSON Zip: 85717

	Equipment Make	Model Number	Serial Number	Spec Number	Hours
Equipment	ELLIOTT	25RN	BW12J179		297.8
Engine	GM	3.0 LTR	EMI252168-00		
Switch	CUTLER HAMMER	ATHMFDA30070XSU	KO04522		

Service Truck #: 1976

Total Mileage: 60

Travel Time: 1.0

Customer's Request/Concern: R&R BLOCK HEATER AND OIL PRESSURE SENSOR

Cause Of Failure: FAILED

Corrections Made: DROVE TO CUSTOMER LOCATION. WENT UP TO UNIT. DISABLED AND REPLACE THE OIL PRESSURE SENDER UNIT. REPLACED THE BLOCK HEATER. VERIFIED REPAIRS.

Signature Of Owner Or Authorized Personnel

Date: _____

Technician's Signature

BOB SEVINSKY

Date: 6/28/11

Print Name

Control Switch: ☐ On ☐ Auto ☐ Off

Circuit Breaker: ☐ Open ☐ Closed

This Form Is To Certify That The Work Performed On Job Was Satisfactory To Complete The Above Repairs And Accepted By Owner Or Authorized Personnel.

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DISCLAIMER OF WARRANTIES

Any warranties on the products sold hereby are those made by the manufacturers of those products. This Dealership hereby expressly DISCLAIMS ALL WARRANTIES, EITHER EXPRESSED OR IMPLIED INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, and this dealership neither assumes nor authorizes any other person to assume for it any liability in connection with the sale of said product. Buyer shall not be entitled to recover from this dealership any consequential damages for loss of use, loss of time, loss of profits, or income or any other incidental damages.

Authorized by Owner or Agent

Date _____

Printed Name

W.W. Williams

2602 SOUTH 19TH AVENUE
PHOENIX, AZ 85009-9127
PHONE: (602)257-0561
FAX: (602)257-8641
FEDERAL ID 86-0208148

INVOICE NUMBER
4931293-00
INVOICE DATE
06/28/11

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TUCSON UNIFIED SCHOOL DIS
FINANCE DEPARTMENT
P.O. BOX 40400
TUCSON, AZ 85717

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SANTA RITA HIGH SCHOOL
3951 S PANTANO RD
TUCSON, AZ 85717

CUSTOMER NO		PURCHASE ORDER NO		ORDER DATE	TERMS	REPAIR ORDER NO		
485560		0000179091		06/23/11	N15	4920962-000		
				RECV DATE	WORK LOCATION	CUSTOMER CONTACT/AUTH		
				06/23/11	FIELD 85717	AUDIE STEVENS		
LN	QUANTITY ORDERED	PART NUMBER	DESCRIPTION		QUANTITY		UNIT PRICE	EXTENDED PRICE
#					SHIPPED	B/O		
*		***** REPAIR ORDER *****						
		EQUIPMENT.....COMPONENT.....						
	OEM:	ELLICOTT DREDGE MFR: SPECTRUM(USE MO IF WARR)						
	FLEET#:	S RITA DESC: GM 3.0 LITER						
	MODEL:	25RN GENERATOR MODEL: EMI252168-00						
	SERIAL:	BW12J179 SERIAL: EMI252168-00						
	MLS/HRS:	297 HOURS						
		PARTS	218.32					
		LABOR	330.00					
COMPLAINT:		The following quotation is for the replacement of the oil-pressure switch and block-heater on the following unit: Santa Rita High School 3951 S Pantano Rd. Elliot 25kW M/N 25RN						
CAUSE:		*Note: Oil pressure switch provided at no charge. Lead-time on block-heater is 3-5 days. If you would like to proceed with the above stated repair please return a signed copy of the quotation, attention J.R. Varju, via fax to (602)257-8641 or e-mail to wvarju@wwilliams.com. Thank You!						
CORRECTION:		TOOK UNIT OFF LINE, CLOSED OFF COOLANT SUPPLY, DISCONNECTED AND REMOVED FAILED HEATER, MOUNTED AND WIRED IN NEW HEATER, OPENED COOLANT SUPPLY, REMOVED FAILED OIL PRESSURE SENDER UNIT, INSTALLED NEW, ENSURED WIRES TERMINATED, TURNED ON BLOCK HEATER, BROUGHT UNIT ON LINE, STARTED AND VERIFIED REPAIRS, PERFORMED OPPTS CHECK AND VERIFIED NO LEAKS. SYSTEM BACK IN AUTO, ENSURED BREAKER CLOSED.						
		*****CUSTOMER SATISFACTION SURVEY*****						
		OUR GOAL IS TO PROVIDE YOU WITH THE HIGHEST LEVEL OF QUALITY SERVICE. PLEASE VISIT US AT www.wwilliams.com/survey AND GIVE US YOUR THOUGHTS ON THE SERVICE WE RECENTLY PROVIDED YOU. YOUR COMMENTS ARE VERY IMPORTANT TO US. THANK YOU FOR YOUR BUSINESS!						

		YOUR GENERATOR HAS BEEN SERVICED BY AN "EGSA CERTIFIED" ELECTRICAL GENERATOR SYSTEMS TECHNICIANS						

IF YOU HAVE ANY QUESTIONS CONCERNING THIS INVOICE, PLEASE CONTACT JR VARJU, AT 602-257-0561 OR 800-944-7375

PLEASE REMIT IN U.S. DOLLARS TO:
W. W. WILLIAMS
DEPT L- 303
COLUMBUS, OH 43260-9303

ORDER SUBTOTAL	548.32
EPA CHARGE	0.00
MISC SUPPLIES	0.00
SALES TAX	11.42
INVOICE TOTAL	559.74
PAYMENT	0.00

TOTAL DUE 559.74

FINANCE CHARGES OF 1.50 % PER MONTH APPLIED TO ALL ACCOUNTS IN ARREARS

PAGE 1

W.W. Williams

2602 SOUTH 19TH AVENUE
PHOENIX, AZ 85009-9127
PHONE: (602)257-0561
FAX: (602)257-8641
FEDERAL ID 86-0208148

INVOICE NUMBER

4931293-00

INVOICE DATE

06/28/11

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TUCSON UNIFIED SCHOOL DIS
FINANCE DEPARTMENT
P.O. BOX 40400
TUCSON, AZ 85717

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SANTA RITA HIGH SCHOOL
3951 S PANTANO RD
TUCSON, AZ 85717

CUSTOMER NO		PURCHASE ORDER NO		ORDER DATE	TERMS	REPAIR ORDER NO	
485560		0000179091		06/23/11	N15	4920962-000	
				RECV DATE	WORK LOCATION	CUSTOMER CONTACT/AUTH	
				06/23/11	FIELD 85717	AUDIE STEVENS	
LN #	QUANTITY ORDERED	PART NUMBER	DESCRIPTION	QUANTITY		UNIT PRICE	EXTENDED PRICE
				SHIPPED	B/O		
		***** PARTS CONTENT *****					
1		MILEAGE 1976	MILEAGE	1		63.00	63.00
1		MISC SUPPLIES	MISC SUPPLIES	1		13.24	13.24
1		EPA	EPA	1		16.55	16.55
1		90356	TPS HEATER	1		79.33	79.33
		ORIGINAL P/N# KIM TPS101GT10 000		1		46.20	46.20
1		23520025	SWITCH				

W.W.Williams

2602 SOUTH 19TH AVENUE
PHOENIX, AZ 85009-9127
PHONE: (602)257-0561
FAX: (602)257-8641
FEDERAL ID 86-0208148

INVOICE NUMBER

4918215-00

INVOICE DATE

06/29/11

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TUCSON UNIFIED SCHOOL DIS
FINANCE DEPARTMENT
P.O. BOX 40400
TUCSON, AZ 85717

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TUCSON UNIFIED SCHOOL DIS
SANTA RITA HIGH SCHOOL
3951 S PANTANO
TUCSON, AZ 85730

CUSTOMER NO		PURCHASE ORDER NO		ORDER DATE	TERMS	REPAIR ORDER NO		
485560		0000179091		01/18/11	N15	4917378-000		
				RECV DATE	WORK LOCATION	CUSTOMER CONTACT/AUTH		
				01/18/11	FIELD 85717	AUDIE STEVENS		
LN #	QUANTITY ORDERED	PART NUMBER	DESCRIPTION		QUANTITY		UNIT PRICE	EXTENDED PRICE
					SHIPPED	B/O		
Warning: All location of Cores Not Complete								
***** REPAIR ORDER *****								
*-----		EQUIPMENT-----		*-----		COMPONENT-----		*
OEM:		GMC		MFR:		GMC		
FLEET#:		TUSD		DESC:		SANTA RITA HS GENERATOR		
MODEL:		25RN		MODEL:		3.0L		
SERIAL:		08948		SERIAL:		08948		
MLS/HRS:		0 CAB						
		PARTS		289.50				
		LABOR		311.89				
COMPLAINT:		PERFORM FULL SERVICE AND INSPECITON, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: REPLACE ENGINE OIL, COOLANT, SERVICEABLE FILTERS, RADIATOR CAP, HOSES, BELTS, BATTERIES, IGNITION COMPONENTS (WHERE APPLICABLE). TAKE FUEL SAMPLE FOR BS&W, CLEAN UNIT, PERFORM (2) HOUR LOAD-BANK TEST, SET EXERCISE TIMERS FOR MON 06:00 ETC.						
CAUSE:		SCHEDULED SERVICES						
CORRECTION:		PERFORM ANNUAL SERVICE AND INSPECTION. CHANGED OIL AND OIL FILTER(S). CHANGED FUEL FILTER(S) AND TESTED FUEL. INSTALLED ALL NEW FUEL LINES, CAP & ROTOR, SPARK PLUGS, COOLANT HOSES, BATTERY(S), AIR FILTER, PRESSURE TESTED FUEL SYSTEM AND VERIFIED NO LEAKS. CHECKED TESTED INHIBITOR LEVELS. PRESSURE TESTED FOR LEAKS. CHECKED AIR INLET SYSTEM. SERVICED CRANKCASE BREATHER. VERIFY PROPER OPERATION OF LOUVERS AND DUCT WORK, AND INSPECT FOR DETERIORATION. CLEANED AND TESTED BATTERIES. TESTED BATTERY CHARGER, AND PROPER OPERATION OF CHARGING SYSTEM. TESTED BLOCK HEATER OPERATION. STARTED UNIT, VERIFY NO EXHAUST LEAKS. INSPECT EXHAUST SYSTEM FOR CORROSION AND TIGHTEND ALL CONNECTIONS. DRAINED CONDENSATION FROM MUFFLER (IF APPLICABLE). INSURED PROPER OPERATION OF ENGINE WARNING AND SHUTDOWN SYSTEMS. VERIFIED PROPER VOLTAGE OUTPUT, OIL SENSING DEVICE OPERATION AND WATER SENSING DEVICE OPERATION. TESTED OVERSPEED GOVERNOR AND OVERCRANK ALARMS. VERIFIED INSTRUMENT PANEL LIGHTS OPERATING CORRECTLY. PLACED UNIT IN AUTO:						
TERMINATED LUGS TO OUTPUT SIDE OF GENSET. APPLIED LOAD TO								

TERMINATED LUGS TO OUTPUT SIDE OF GENSET, APPLIED LOAD TO 50% FOR 15 MINUTES. STEP LOAD UNIT TO 100% NAMEPLATE RATING, ALLOW LOAD TEST TO RUN FOR 2 HOURS. REDUCE LOAD TO 50% FOR 15 MINUTES. STOP LOAD, LET UNIT COOL. REMOVED LOAD CABLES. CLEAN SITE AREA. PLACED UNIT IN AUTO. BREAKER

PLEASE REMIT IN U.S. DOLLARS TO:
W. W. WILLIAMS
DEPT L- 303
COLUMBUS, OH 43260-9303

ORDER SUBTOTAL	601.39
EPA CHARGE	0.00
MISC SUPPLIES	0.00
SALES TAX	26.34
INVOICE TOTAL	627.73
PAYMENT	0.00

TOTAL DUE 627.73

FINANCE CHARGES OF 1.50 % PER MONTH APPLIED TO ALL ACCOUNTS IN ARREARS

PAGE 1

W.W.Williams

2602 SOUTH 19TH AVENUE
PHOENIX, AZ 85009-9127
PHONE: (602)257-0561
FAX: (602)257-8641
FEDERAL ID 86-0208148

INVOICE NUMBER

4918215-00

INVOICE DATE

06/29/11

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TUCSON UNIFIED SCHOOL DIS
FINANCE DEPARTMENT
P.O. BOX 40400
TUCSON, AZ 85717

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TUCSON UNIFIED SCHOOL DIS
SANTA RITA HIGH SCHOOL
3951 S PANTANO
TUCSON, AZ 85730

CUSTOMER NO		PURCHASE ORDER NO		ORDER DATE	TERMS	REPAIR ORDER NO	
485560		0000179091		01/18/11	N15	4917378-000	
				RECV DATE	WORK LOCATION	CUSTOMER CONTACT/AUTH	
				01/18/11	FIELD 85717	AUDIE STEVENS	
LN #	QUANTITY ORDERED	PART NUMBER	DESCRIPTION	QUANTITY		UNIT PRICE	EXTENDED PRICE
				SHIPPED	B/O		
			CLOSED. ***** YOUR GENERATOR HAS BEEN SERVICED BY AN "EGSA CERTIFIED" ELECTRICAL GENERATOR SYSTEMS TECHNICIANS ***** IF YOU HAVE ANY QUESTIONS CONCERNING THIS INVOICE, PLEASE CONTACT JR VARJU, AT 602-257-0561 OR 800-944-7375				

PLEASE REMIT IN U.S. DOLLARS TO:
W. W. WILLIAMS
DEPT L- 303
COLUMBUS, OH 43260-9303

ORDER SUBTOTAL	601.39
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FINANCE CHARGES OF 1.50 % PER MONTH APPLIED TO ALL ACCOUNTS IN ARREARS

PAGE 2

W.W. Williams

2602 SOUTH 19TH AVENUE
PHOENIX, AZ 85009-9127
PHONE: (602)257-0561
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FEDERAL ID 86-0208148

INVOICE NUMBER

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INVOICE DATE

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TUCSON, AZ 85717

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TUCSON UNIFIED SCHOOL DIS
SANTA RITA HIGH SCHOOL
3951 S PANTANO
TUCSON, AZ 85730

CUSTOMER NO		PURCHASE ORDER NO		ORDER DATE	TERMS	REPAIR ORDER NO	
485560		0000179091		01/18/11	N15	4917378-000	
				RECV DATE	WORK LOCATION	CUSTOMER CONTACT/AUTH	
				01/18/11	FIELD 85717	AUDIE STEVENS	
LN #	QUANTITY ORDERED	PART NUMBER	DESCRIPTION	QUANTITY		UNIT PRICE	EXTENDED PRICE
				SHIPPED	B/O		
		***** PARTS CONTENT *****					
1	1	DN P550025	LUBE SPIN	1		4.71	4.71
1	1	M31526	RADIATOR CAP	1		5.29	5.29
1	1	DN C065002	ECC	1		18.39	18.39
1	1	HP-31E	BATTERY,925CCA,TOP POS	1		91.99	91.99
1	1	DR327	ROTOR	1		6.20	6.20
1	1	DR459	CAP	1		11.67	11.67
1	1	27416	WIRE SET	1		14.31	14.31
1	1	70739	HOSE	1		14.20	14.20
1	1	DAY 15380	BELT	1		8.52	8.52
1	1	71178	HOSE	1		8.73	8.73
1	1	71285	HOSE	1		16.83	16.83
1	1	71954	HOSE	1		12.41	12.41
4	4	AUT 26	SPARK PLUG	4		1.88	7.52
3	3	MBL 23512703	DDC GENUINE SAE 15W40	3		11.65	34.95
1	1	AF1-1P	ANTIFREEZE	1		5.63	5.63
5	5	AF1-1	ANTIFREEZE	5		5.63	28.15



W.W. Williams
Consider It Done.

REPAIR QUOTE FORM

W.W.WILLIAMS PHOENIX

Phoenix, AZ 85009-9127
Phone: (602)257-0561
Fax: (602)257-8641

Quote Number: 4930286-00
Date: 06/07/2011

Submitted By: wlv

RO# 4920962

Customer Name: Tucson Unified School Dis . Customer Number: 485560 Contact Name: Audie Stevens Contact Phone: (520)260-0043	Unit #: Unit Mfr: ST Unit Model: STARTUP Unit S/N: STARTUP VIN: GENERATOR MIDWEST
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Description:

The following quotation is for the replacement of the oil-pressure switch and block-heater on the following unit:

Santa Rita High School
3951 S Pantano Rd.
Elliot 25kW M/N 25RN

*Note: Oil pressure switch provided at no charge. Lead-time on block-heater is 3-5 days.

If you would like to proceed with the above stated repair please return a signed copy of the quotation, attention J.R. Varju, via fax to (602)257-8641 or e-mail to wvarju@wwwilliams.com. Thank You!

Parts:	125.54
Labor:	330.00
Freight:	40.00
Mileage:	63.00
Haz/Waste:	16.55
Shop:	13.24
Tax:	16.27
Total:	604.60

UNLESS INDICATED SALES TAX IS NOT INCLUDED. Unless indicated this estimate is good for 30 days. Estimate is based on our normal business hours.

LIMITED WARRANTY, WARRANTY DISCLAIMERS AND LIMITATIONS OF REMEDIES AND LIABILITIES: Seller warrants to Buyer that each item or part of the supplies, material, or equipment sold hereby shall be free under normal use and service from defects in materials and workmanship for the period and to the extent specified in the manufacturer's warranty. Seller warrants to Buyer that its services shall be free from defect under normal use and service for a period of 90 days after the completion of those services. SELLER DISCLAIMS AND EXCLUDES ALL OTHER EXPRESS WARRANTIES AND ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, including without limitation loss of income, time, sales, or use.

I authorize you to do the above repair and/or service work, including the installation of all parts and materials to complete such work and incurring travel expense, and grant you and/or your agents permission to operate the above equipment or engine on streets, highways or elsewhere for testing and/or inspection. I acknowledge that you shall have an express mechanic's or repairman's lien on the equipment or engine to secure the amount due for the above work. I understand that failure of the manufacturer to reimburse you shall not alleviate me from the responsibility of the cost of such repairs. You shall not be responsible for loss or damage to articles left with the above equipment or engine in case of any fire or theft, or any cause beyond your control. In the event that the account for the above work is referred for collection, I shall pay the account plus interest at the maximum allowable rate, reasonable attorney's fees and court costs. I authorize you to dispose of any parts and materials which are replaced in connection with the above work unless otherwise expressly indicated. Equipment left at your location more than 30 days after notice of completion will be towed, and I will be responsible for the cost of towing and storage.

AUTHORIZED BY: _____ DATE: _____ PO#: _____

Note: Email authorization constitutes written acceptance of this estimate.

PRINT NAME: _____

**STATE OF ARIZONA
SCHOOL FACILITIES BOARD**

Meeting Date: September 3, 2014

Agenda Item VI.h.

Subject: VI. Building Renewal Grant Requests

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

Gila Bend Unified (2 requests)

Globe Unified (2 requests)

St. David Unified (2 requests)

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

Gila Bend Unified has submitted a Building Renewal Grant request to repair water lines, roof and wall leaks in the music/library/art Building 1004 at Gila Bend Elementary School.

Gila Bend Unified, located 65 miles southwest of Phoenix, has two schools. Gila Bend Elementary School is comprised of nine buildings completed between 1958 and 1974, totaling 54,252 square feet. Building 1004 was built in 1974, totaling 16,851 square feet.

Staff visited the site and found the Trust had already dried out the building due to interior water line failure and roof/wall leaks. However, the Trust will not repair the interior damage until the appropriate leak repairs are made to the building.

The district was requested the services of an architect to investigate the building issues. The architect's fee for the initial investigation is \$2,380.

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 \$2,380 in Building Renewal Grant funding to provide investigative architectural services to repair the domestic water lines, roof and wall leaks in the music/library/art Building 1004 at Gila Bend Elementary School.

Background – Gila Bend Unified (Gila Bend HS – repair utilities to science laboratory)

Gila Bend Unified has submitted a Building Renewal Grant request for repairs to the water/gas/electrical serving the science tables in the computer/science Building 1001 at Gila Bend High School.

Gila Bend Unified, located 65 miles southwest of Phoenix, has two schools. Gila Bend High School is comprised of eight buildings completed between 1949 and 1968, totaling 38,518 square feet. Building 1001 was built in 1968, totaling 5,989 square feet.

Staff visited the site and found that the science laboratory tables were no longer usable as intended due to the applicable services to the tables were inoperable.

The district requested the services of an architect to assist in resolving utility service to the science table function. The architect's service fee for the initial investigation is \$2,150.

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 HS – repair utilities to science laboratory)

Staff recommends that Gila Bend Unified be awarded \$2,150 in Building Renewal Grant funding to provide architectural services to repair the water/gas/electrical service to the science laboratory tables in the computer/science Building 1001 at Gila Bend High School.

Background – Globe Unified (Globe HS – replace water cooled chiller system)

Globe Unified has submitted a Building Renewal Grant request to replace a defective 250-ton water cooled chiller unit, pumps and control system serving Globe High School.

Globe Unified, located 85 miles east of Phoenix, has four schools. Globe High School consists of 13 buildings completed between 1914 and 2005, totaling 1,145,141 square feet.

Staff visited the site and found the chiller has failed twice during the last year and needs to be replaced.

The district has requested the services of a mechanical/electrical engineer to assess the condition of the existing chiller system. The district received a proposal in the amount of \$5,000 for the assessment.

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 – Globe Unified (Globe HS – replace water cooled chiller unit)

Staff recommends that Globe Unified be awarded \$5,000 in Building Renewal Grant funding to provide mechanical/electrical engineering services to assess the existing chiller system at Globe High School.

Background – Globe Unified (Globe HS – replace variable frequency drive)

Globe Unified has also submitted a Building Renewal Grant request to replace the failing variable frequency drive (VFD) and building controls system on the multi-zone air handler at Globe High School.

Globe Unified, located 85 miles east of Phoenix, has four schools. Globe High School consists of 13 buildings completed between 1914 and 2005, totaling 1,145,141 square feet.

Staff visited the site and found the VFD to the multi-zone air handler failing.

The district requested the services of a mechanical/electrical engineer to assess the VFD and multi-zone air handling system. The district received a proposal in the amount of \$3,500.

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 – Globe Unified (Globe HS – replace variable frequency drive)

Staff recommends that Globe Unified be awarded \$3,500 in Building Renewal Grant funding for mechanical/electrical engineering to assess the VFD and multi-zone air handling system at Globe High School.

Background – St. David Unified (St. David ES – exterior reseal)

St. David Unified has submitted a Building Renewal Grant request to reseal/repaint the exterior of Buildings 1004 and 1007 at St. David Elementary School.

St. David Unified, located 55 miles southeast of Tucson, has two schools. St. David Elementary School is comprised of six buildings constructed between 1938 and 2004, totaling 32,072 square feet. Building 1004 was constructed in 2004, totaling 8,340 square feet and Building 1007 was constructed in 2004, totaling 1,800 square feet.

The existing finish has failed allowing moisture to penetrate into the interior of the buildings. The exterior of the buildings have been RILEM tested and have shown a failure to prevent moisture penetration.

The district has obtained a proposal for professional services in the amount of \$4,600 to complete the investigation and design of the re-seal.

Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – St. David Unified (St. David ES – exterior reseal)

Staff recommends that St. David Unified be awarded \$4,600 in Building Renewal Grant funding for the investigation and design of the reseal/repaint of the exterior walls of Buildings 1004 and 1007 at St. David Elementary School.

Background – St. David Unified (St. David HS – exterior reseal)

St. David Unified has also submitted a Building Renewal Grant request for reseal/repaint of the exterior walls of Buildings 1002, 1003, 1004, 1011, and 1013 at St. David High School.

St. David Unified, located 55 miles southeast of Tucson, has two schools. St. David High School is comprised of nine building constructed between 1936 and 2000, totaling 56,514 square feet. Buildings 1002 and 1003 were constructed in 1965, totaling 2,728 and 1,364 square feet respectively, Building 1004 was constructed in 1981, totaling 9,407 square feet,

Buildings 1011 and 1013 were constructed in 2000, totaling 17,144 square feet and 13,563 square feet respectively.

The existing finish has failed allowing moisture to penetrate into the interior of the buildings. The exterior of the buildings have been RILEM tested and have shown a failure to prevent moisture penetration.

The district has obtained a proposal for professional services in the amount of \$9,200 to complete the investigation and design of the re-seal.

Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – St. David Unified (St. David HS – exterior reseal)

Staff recommends that St. David Unified be awarded \$9,200 in Building Renewal Grant funding for the investigation and design of the reseal/repaint of the exterior walls of Buildings 1002, 1003, 1004, 1011, and 1013 at St. David High School.

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

1. Board approval of the staff recommendation that **Gila Bend Unified** be awarded \$2,380 in Building Renewal Grant funding to provide investigative architectural services to repair the domestic water lines, roof and wall leaks in the music/library/art Building 1004 at Gila Bend Elementary School.
2. Board approval of the staff recommendation that **Gila Bend Unified** be awarded \$2,150 in Building Renewal Grant funding to provide architectural services to repair the water/gas/electrical service to the science laboratory tables in the computer/science Building 1001 at Gila Bend High School.
3. Board approval of the staff recommendation that **Globe Unified** be awarded \$5,000 in Building Renewal Grant funding to provide mechanical/electrical engineering services to assess the existing chiller system at Globe High School.
4. Board approval of the staff recommendation that **Globe Unified** be awarded \$3,500 in Building Renewal Grant funding for mechanical/electrical engineering to assess the VFD and multi-zone air handling system at Globe High School.
5. Board approval of the staff recommendation that **St. David Unified** be awarded \$4,600 in Building Renewal Grant funding for the investigation and design of the reseal/repaint of the exterior walls of Buildings 1004 and 1007 at St. David Elementary School.
6. Board approval of the staff recommendation that **St. David Unified** be awarded \$9,200 in Building Renewal Grant funding for the investigation and design of the reseal/repaint of the exterior walls of Buildings 1002, 1003, 1004, 1011, and 1013 at St. David High School.

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

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ -
Contingency ①		\$ -
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ 2,380
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ 2,380
Total SFB Funded Project Cost:		\$ 2,380
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 2,380
Total Project Cost:		\$ 2,380

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 7/28/2014 9:29:44 AM

Application ID: 1386

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: Gila Bend Unified District
Superintendent: Lynnette Michalski
Contact Person: Anna-Marie Perry
Contact Phone Number: 928-683-2225 xt126
Contact Email: anna-mariep@gbusd.org
School Site: Gila Bend Elementary
Buildings: 1004 Building K

Application Title: Building K - plumbing, roofing, wall leaks

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.

1. Water seeping through block into classroom
2. Roofing and drain leaks
3. Underground copper water pipes are corroded. Classrooms have flooded, causing water damage.

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

Lynnette Michalski
Superintendent Printed Name

Lynnette Michalski
Superintendent Signature

Aug 20, 2014
Date

8/20/2014 9:03:29 AM

orcutt | winslow

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

August 20, 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 services to address the referenced applications (attached) which includes services as follows:

Meetings and site visit for investigation of field conditions, and production of follow up report with analysis and recommendations: \$1,000

Trip to Gila Bend USD for Rich Kurelowech, PE to provide investigation of existing conditions and follow up report with analysis and recommendations: \$1,380

Total: \$2,380

Sincerely,



Tim Scolaro

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

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost:		\$ -
Contingency ①		\$ -
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ 2,150
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ 2,150
Total SFB Funded Project Cost:		\$ 2,150
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 2,150
Total Project Cost:		\$ 2,150

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 7/28/2014 9:47:28 AM

Application ID: 1389

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: Gila Bend Unified District
Superintendent: Lynnette Michalski
Contact Person: Anna-Marie Perry
Contact Phone Number: 928-683-2225 xt126
Contact Email: anna-mariep@gbusd.org
School Site: Gila Bend High School
Buildings: 1001 Building A

Application Title: Building A Science Lab

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.

Science lab not functional gas, water, plumbing

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

Lynnette Michalski
Superintendent Printed Name

Lynnette Michalski
Superintendent Signature

7/29/14
Date

orcutt | winslow

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

August 20, 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 services to address the referenced application (attached) which includes services as follows:

Meetings and site visit for investigation of field conditions, and production of follow up report with analysis and recommendations: \$1,000

Trip to Gila Bend USD for Rich Kurelowech, PE to provide investigation of existing conditions and follow up report with analysis and recommendations: \$1,150

Total: \$2,150

Sincerely,



Tim Scolaro

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

District: **Globe Unified**
BRG Project Number: 040201004-9999-003BRG
Project Description: **Replace water cooled chiller system**
Consultant: **BESP (Sameer Pandey 602-377-2679)**
Contractor: **TBD**

Gila County

Board Approval: 9/3/2014

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

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: 8/13/2014 7:25:27 PM

Application ID: 1440

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: Globe Unified District
Superintendent: Jerry Jennex
Contact Person: Jennifer Kinnard
Contact Phone Number: 928-402-6030
Contact Email: Jennifer.Kinnard@globeschools.org
School Site: Globe High School
Buildings: 9999 School Wide

Application Title: Water Cooled Chiller Unit

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 Globe High School water cooled chiller has been in and out of service. GUSD has replaced three of the pumps, currently the chiller unit is sending out fault codes and unable to be reset.

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.

Due to our rural location it has been difficult to find vendors qualified to work on chiller systems. The system was installed around 1992.

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139

JERRY JENNEX
Superintendent Printed Name

Jerry Jennex
Superintendent Signature

8/14/2014
Date

8/13/2014 7:25:26 PM

1

Application ID: 1440

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

August 21, 2014

Lee Kinnard
Director of Facilities
Globe USD
501 E Ash St.
Globe, AZ 85501

RE: Diagnose Chiller, Pumps, VFDs and Control System at Globe High School

Dear Mr. Kinnard,

Per district's request, BESP visited Globe High School on August 18, 2014 to assess a chilled water plant and VFDs that support three air handler units (AHUs) serving the high school campus. On visual inspection, we noticed a number of issues with twenty years old chiller and pumps, including loading/unloading problems with the chiller, and the pumps with bearing & seals problems. One of the three pumps had a significant leak and flooded the chiller room. The district was advised to shut off the pump and use the back-up pump for the time being. The issues with VFDs synchronization with supply fan motor was also noted down.

Please find below our scope and fee to assess condition of chiller/pumps and VFDs synchronization at Globe High School.

Scope: Assess existing 250 Ton Screw chiller, chilled water & condenser water pumps and chiller control system and make recommendations for repair or replacement.

Fee: \$5,000 (NTE)

Scope: Diagnose VFDs and building control system in relation to synchronization with supply fan and make recommendations for repair or upgrade. As noted above, VFD's and Building Control System needs to be assessed to resolve VFDs synchronization issues.

Fee: \$3,500 (NTE)

Please let me if you have any questions or need clarifications.

Sincerely,

Sameer R Pandey PE (Mech), CEM, LEED
Building Energy Solutions Provider (BESP), LLC
602-377-2679 (cell)
sameerpandey@besp.us

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency

X Building Renewal Grant Fund

District: **Globe Unified**
BRG Project Number: 040201001-9999-004BRG
Project Description: **Replace variable frequency drive**
Consultant: **BESP (Sameer Pandey 602-377-2679)**
Contractor: **TBD**

Gila County

Board Approval: 9/3/2014

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

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date: 8/13/2014 7:28:10 PM

Application ID: 1441

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: Globe Unified District
Superintendent: Jerry Jennex
Contact Person: Jennifer Kinnard
Contact Phone Number: 928-402-6030
Contact Email: Jennifer.Kinnard@globeschools.org
School Site: Globe High School
Buildings: 9999 School Wide

Application Title: Variable Frequency Drive (VFD)

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 variable frequency drives to the multi zone air handler are failing.

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.

Due to our rural location it has been difficult to find vendors qualified to work on the VFD's. The system was installed around 1992.

Liaison: Breuer

gbreuer@azsfb.gov

602-542-6139

JERRY JENNEX
Superintendent Printed Name

Jerry Jennex
Superintendent Signature

8/14/2014
Date

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

August 21, 2014

Lee Kinnard
Director of Facilities
Globe USD
501 E Ash St.
Globe, AZ 85501

RE: Diagnose Chiller, Pumps, VFDs and Control System at Globe High School

Dear Mr. Kinnard,

Per district's request, BESP visited Globe High School on August 18, 2014 to assess a chilled water plant and VFDs that support three air handler units (AHUs) serving the high school campus. On visual inspection, we noticed a number of issues with twenty years old chiller and pumps, including loading/unloading problems with the chiller, and the pumps with bearing & seals problems. One of the three pumps had a significant leak and flooded the chiller room. The district was advised to shut off the pump and use the back-up pump for the time being. The issues with VFDs synchronization with supply fan motor was also noted down.

Please find below our scope and fee to assess condition of chiller/pumps and VFDs synchronization at Globe High School.

Scope: Assess existing 250 Ton Screw chiller, chilled water & condenser water pumps and chiller control system and make recommendations for repair or replacement.

Fee: \$5,000 (NTE)

Scope: Diagnose VFDs and building control system in relation to synchronization with supply fan and make recommendations for repair or upgrade. As noted above, VFD's and Building Control System needs to be assessed to resolve VFDs synchronization issues.

Fee: \$3,500 (NTE)

Please let me if you have any questions or need clarifications.

Sincerely,

Sameer R Pandey PE (Mech), CEM, LEED
Building Energy Solutions Provider (BESP), LLC
602-377-2679 (cell)
sameerpandey@besp.us

SCHOOL FACILITIES BOARD**BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
X Building Renewal Grant Fund

District: **St David Unified**
BRG Project Number: **020221101-9999-008BRG**
Project Description: **Exterior reseal**
Architect of Record: **Robert Polcar Architects, Inc. (480-675-9760)**
Contractor: **TBD**

Cochise County

Board Approval: 9/3/2014

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

① Contingency shall only be used with SFB staff approval.

Building Renewal Grant Application

Initial Submission Date:

Application ID: 1391

Resubmittal Date:

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

District Name: St David Unified District
Superintendent: Mark Goodman
Contact Person: Rocky Warner
Contact Phone Number: 520-720-8040
Contact Email: rwarner@stdavid.org
School Site: St David Elementary School
Buildings: 9999 School Wide

Application Title: Building Reseal

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.

All buildings on campus are in need of resealing. Performed a water test on the walls and all test have failed.

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? ?

Available Funding

Amount of Local funds planned for this project \$0.00

Please outline any associated insurance coverage.

No insurance covered on project.

Liaison: Demland

ddemland@azsfb.gov

602-542-6567


Superintendent Printed Name


Superintendent Signature


Date

July 31, 2014

To: Vicky Bradford
St. David Unified School District #21
St. David, Arizona

Re: Design and Construction Administration for Recoating Exterior Walls
St. David Elementary School

Vicky,

Thank you for giving us the opportunity to submit a proposal for design services for this project. Our understanding of the scope of work is as follows:

Scope of Project

- We understand that the exterior stucco walls and metal gutters are showing signs of aging. Paint is flaking off the gutters and stucco finishes, and surface cracks are evident in the stucco.
- Remedial action is required to avoid failure of the exterior water barrier.
- There are two buildings under consideration: C (Elem Classrooms) and D (Elem Classrooms).

Scope of Services

- Verify existing conditions as they pertain to the stucco wall finishes as well as the painted gutters and paint finishes.
- Report on the conditions and make a recommendation for corrective action. A cost estimate will be included for submission to the School Facilities Board for review, approval, and funding.
- Prepare plans and specifications as necessary for the recoating/painting work for the two buildings including an outline floor plan and basic exterior elevations for each building.
- Services include bidding and construction phase support. Assume 5 trips to the school including an initial inspection, pre-bid, pre-construction and progress construction meetings, and a final walk-through.

Fee

The fee for architectural services, as described above, including an on-site inspection would be \$4,600. The fee includes travel expenses.

Architect

Architect Inspection	\$200
Stucco consultant	\$150

As-built measurements	\$400
Specifications/Details	\$800
Plans and Elevations	\$1,200
Bidding Phase	\$400
Construction Admin	\$1,200
Travel	\$250
Total	\$4,600

Not included are: state, city or county permits if required, plan reviews and building permit fees if required, asbestos or mold testing, destructive testing.

Additional services such as extra on-site inspections, additional engineering beyond the scope, etc. if requested, would be \$75/hr. for an architect, \$110/hr. for electrical and mechanical engineer and \$125/hr. for civil and structural engineer. If required as part of the additional services mileage would be billed at the current state rate, printing and delivery billed at cost.

We are listed as a vendor in Procure AZ as well as 1GPA (#13-103). We are in compliance with all current State of Arizona insurance requirements.

Again, thanks for the opportunity; we look forward to working with you on this project.

Sincerely,



Bob Polcar, RA
Robert Polcar Architects, Inc.

.cc Dan Demland



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

District: **St David Unified**
BRG Project Number: **020221202-9999-009BRG**
Project Description: **Exterior reseal**
Architect of Record: **Robert Polcar Architects, Inc. (480-675-9760)**
Contractor: **TBD**

Cochise County

Board Approval: 9/3/2014

School Facilities Board Action Approved as recommended by Staff		Staff Rec. or Approved
Base Cost: (cost estimate provided by architect or contractor)		\$ -
Contingency ①		\$ -
Additional Cost:		
Architecture / Engineering (A&E) Fees		\$ 9,200
Survey & Required Reports, Printing, Permits, Advertising, Etc.		\$ -
Testing & Inspection		\$ -
Total Additional Cost:		\$ 9,200
Total SFB Funded Project Cost:		\$ 9,200
District or Local Funds:		\$ -
SFB Board Approved Amount:		\$ 9,200
Total Project Cost:		\$ 9,200

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: 6/2/2014 9:22:56 AM

Application ID: 1321

Resubmittal Date:

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

District Name: St David Unified District
Superintendent: Mark Goodman
Contact Person: Rocky Warner
Contact Phone Number: 520-720-8040
Contact Email: rwarner@stdavid.org
School Site: St David High School
Buildings: 9999 School Wide

Application Title: Building Reseal

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.

All Buildings on campus are in need of resealing. Performed a water test on the walls and all tests have failed.

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.

Resealing of building is not covered under the schools insurance policy.

Liaison: Demland

ddemland@azsfb.gov

602-542-6567


Superintendent Printed Name


Superintendent Signature

6-2-2014
Date

6/2/2014 9:22:55 AM

1

Application ID: 1321

July 31, 2014

To: Vicky Bradford
St. David Unified School District #21
St. David, Arizona

Re: Design and Construction Administration for Recoating Exterior Walls
High School

Vicky,

Thank you for giving us the opportunity to submit a proposal for design services for this project. Our understanding of the scope of work is as follows:

Scope of Project

- We understand that the exterior stucco walls and metal gutters are showing signs of aging. Paint is flaking off the gutters and stucco finishes, and surface cracks are evident in the stucco.
- Remedial action is required to avoid failure of the exterior water barrier.
- There are four buildings under consideration: A (library), E (HS/MS Classrooms), F (Cafeteria), and G (Gym).
- Areas of the perimeter roof flashing and gutters of Building E are failing and need attention, evidence are stains below the gutters.

Scope of Services

- Verify existing conditions as they pertain to the stucco wall finishes as well as the painted gutters, paint finishes, and roof edge at gym.
- Report on the conditions and make a recommendation for corrective action. A cost estimate will be included for submission to the School Facilities Board for review, approval, and funding.
- Prepare plans and specifications as necessary for the recoating/painting work for all four buildings including an outline floor plan and basic exterior elevations for each building.
- Services include bidding and construction phase support. Assume 5 trips to the school including an initial inspection, pre-bid, pre-construction and progress construction meetings, and a final walk-through.

Fee

The fee for architectural services, as described above, including an on-site inspection would be \$9,200. The fee includes travel expenses.

Architectural Inspection	\$400
Stucco consultant	\$300
As-built measurements	\$800
Specifications/Details	\$1,600
Plans and Elevations	\$2,400
Bidding Phase	\$,800
Construction Admin	\$2,400
Travel	\$500
Total	\$9,200

Not included are: state, city or county permits if required, plan reviews and building permit fees if required, asbestos or mold testing, destructive testing.

Additional services such as extra on-site inspections, additional engineering beyond the scope, etc. if requested, would be \$75/hr. for an architect, \$110/hr. for electrical and mechanical engineer and \$125/hr. for civil and structural engineer. If required as part of the additional services mileage would be billed at the current state rate, printing and delivery billed at cost.

We are listed as a vendor in Procure AZ as well as 1GPA (#13-103). We are in compliance with all current State of Arizona insurance requirements.

Again, thanks for the opportunity; we look forward to working with you on this project.

Sincerely,



Bob Polcar, RA
Robert Polcar Architects, Inc.

.cc Dan Demland



STATE OF ARIZONA
SCHOOL FACILITIES BOARD

Meeting Date: September 3, 2014

Agenda Item VI.i.

Subject: VI. Building Renewal Grant Requests

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

Nogales Unified

Background - Nogales Unified (Challenger ES – replace compressor)

Nogales Unified has submitted a Building Renewal Grant request for the replacement of a compressor in a 5-ton HVAC unit on Building 1001 at Challenger Elementary School.

The district initially submitted an incomplete grant application on 8/20/2014 at 2:04pm.

The SFB requested additional information on 8/20/2014 at 3:32pm, which the district then resubmitted on 8/21/2014 at 1:59pm.

The supplier submitted a quote to the district on 8/18/2014 at 12:01pm and the district purchased the unit on 8/20/2014, prior to any authorization of a Building Renewal Grant.

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 – Nogales Unified (Challenger ES – replace compressor)

Staff recommends that Nogales Unified's request for Building Renewal Grant funding to replace a compressor be denied. The district purchased the compressor prior to SFB authorization of Building Renewal Grant funding.

Building Renewal Grant Policy IX.E.

Districts expenditures for investigations or corrections completed prior to the application submittal, unless the SFB had pre-authorized the school district to proceed, are not eligible for reimbursement from the SFB.

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

Board approval of the staff recommendation that **Nogales Unified's** request for Building Renewal Grant funding to replace a compressor be **denied**. The district purchased the compressor prior to SFB authorization of Building Renewal Grant funding.

Attachments: Yes [X] No []

Building Renewal Grant Application

Initial Submission Date:

Application ID: 1483

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: Nogales Unified District
Superintendent: Steve Zimmerman
Contact Person: Ricardo De La Riva
Contact Phone Number: (520) 980-0401
Contact Email: bambi@nUSD.k12.az.us
School Site: Challenger Elementary School
Buildings: 1001 Multi-Purpose

Application Title: A/C COMPRESSOR 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.

Replace 5 Ton compressor for A/C Unit located at Challenger Elementary School, Band Room (MPR). Three quotes and purchase order attached.

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.

Project has no insurance or warranty claims to file.

Liaison: Cruse

pcruse@azsfb.gov

602-364-1193

Steve Zimmerman
Superintendent Printed Name
[Signature]
Superintendent Signature

8/21/14
Date

Purchase Order**NOGALES UNIFIED DIST. #1****No. 14150514**

310 W PLUM STREET

P.O. BOX 5000

NOGALES AZ 85628

Send 2 Copies of Invoices

P.O.# must be on all documents

Mail Invoices to above address

MSDS sheets must accompany all products

P.O. is void after 90 Days

P.O. Date: 08/20/2014

Questions ? Nidia Contreras, Procurement
Specialist (520) 397-7933

Ext:

Account: 0

P.O. Issued To :

Ship To:

JOHNSTONE SUPPLY
850 E 18TH ST
TUCSON AZ 85719WAREHOUSE
Attn: Ricardo De La Riva
610 W. WESTERN AVENUE
NOGALES AZ 85621
(520) 287-0800

Contact:

Location: SUPPORT SERVICES

Phone: (520) 624-0991

Fax: (520) 620-0041

Project: Undesignated

Req# 609

Reference: CHALLENGER: BAND RM

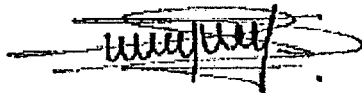
Date Required: 09/03/2014

Award Number:

Line	Qty	Unit	Part#	Description	Account Number	Unit Price	Extended	Tax	Freight
1	1	EA	875-010	A/C UNIT COMPRESSOR FOR CHALLENGER ES BAND ROOM.	610.100.2620.6731.501 Furniture and Equipment-Support Svcs	553.00	553.00	62.34	22.27
2	1	EA	810-126	FILTER DRYER. 163S DRYER.	001.100.2620.6610.501 Maintenance Supplies	22.50	22.50	2.54	0.91
3	1	EA	L45-038	CONTACTOR: C240A DP.	001.100.2620.6610.501 Maintenance Supplies	8.32	8.32	0.94	0.33
4	1	EA	G42-252	12252 55 MFD 440V	001.100.2620.6610.501 Maintenance Supplies	17.75	17.75	2.00	0.71
5	1	EA	B12-007	ACID-AWAY 4 OZ. 45004.	001.100.2620.6610.501 Maintenance Supplies	19.34	19.34	2.18	0.78

Registered Sex Offender Restriction. Pursuant to this order, the named vendor agrees by acceptance of this order that no employee of the vendor or a subcontractor of the vendor, who has been adjudicated to be a registered sex offender, will perform work on District premises or equipment at any time when District students are, or are reasonably expected to be, present. The vendor further agrees by acceptance of this order that a violation of this condition shall be considered a material breach and may result in a cancellation of the order at the District's discretion.

APPROVAL SIGNATURES:



Sub-Total: 620.91

Freight: 25.00

Tax: 70.00

Total Amount: 715.91

NOTES:COMPRESSOR FOR A/C UNIT LOCATED AT CHALLENGER ELEMENTARY SCHOOL, BAND ROOM.
QUOTE # 200448. WILL BE SUBMITTED TO SFB.

Buyer:

Adelmo Sandoval

Order Via:

Fax

ENTITY COPY

Wednesday, August 20, 2014

Page 1 of 1



850 E 18TH ST
TUCSON, AZ 85719
Phone: 520-624-0991
Fax: 520-620-0041
Web: www.johnstonesupply.com

PHOENIX
3451 N 35TH AVE
PHOENIX AZ 85017
602-269-9354

TUCSON
850 E 18TH ST
TUCSON AZ 85719
520-624-0991

AVONDALE
650 N. 99TH AVE STE #109
AVONDALE AZ 85323
623-925-9200

Branch Locations

MESA
250 S MULBERRY STE 112
MESA AZ 85202
480-962-7972

Phoenix
2215 W LONE CACTUS STE 1
Phoenix AZ 85027
623-516-4701

REQ #609

For All Account/Billing Inquiries Please Call 602-424-5005

SOLD TO:
NOGALES PUBLIC SCHOOLS
PO BOX 5000
NOGALES AZ 85628

SHIP TO:
NOGALES PUBLIC SCHOOL
610 W WESTERN AVE
NOGALES AZ 85621
520-397-7923
CUST FAX# 520-287-6618

Quote Date	Quote #
08/18/14	200448
Total Amount Due	PG#
645.91	1
Remit To: JOHNSTONE SUPPLY PO BOX 27490 PHOENIX AZ 85061	

12:01:13 18 Aug 2014

*** QUOTATION ***

Order Date	Customer Number	Customer P.O.	Sales Person
08/15/14	NOGALESSCHOOL		ALBERTO RO*JOSE PADIL
Order Number	Shipped VIA	Ordered By	TERMS
02-200448-	WILL CALL		NET 10TH FOLL PURCH

Item	Johnstone Product Number	Quantity			Item Description	Each Price	Unit Price	Amount
		ORD	SHIP	B/O				
1								
2	phone # 1-520-397-7589							
3	gherrera@nUSD.k12.az.us							
4								
5	B75-010	1		0	CRNQ-050E-PFV-970 COMP	1499.00	553.00	553.00T
6	B10-126	1		0	163S DRYER	65.00	22.50	22.50T
7	L45-038	1		0	C240A DP. Contactor	29.49	8.32	8.32T
8	G42-252	1		0	12252 55MFD 440V	22.02	17.75	17.75T
9	B12-007	1		0	45004 ACID-AWAY 4oz	44.99	19.34	19.34T
10	DO NOT USE W/ R-410A OR R-134A							

CERTIFICATION # #####

Tax Rate	Taxable Amt	Total Tax	Core Total	MISC Charges	Merchandise Total
%	\$	\$ 75	\$0.00		\$620.91
Tax Number		Units Shipped	Freight/Fuel Surcharge	MDSE DISCOUNT	TOTAL AMOUNT DUE
		0	25.00	\$0.00	\$645.91 715.91

This quote will be honored for 30 days from date shown above

Remit To:
JOHNSTONE SUPPLY
PO BOX 27490
PHOENIX AZ 85061

All returned merchandise must be accompanied by this invoice. No returns after 60 days. No returns accepted on electronic parts, used, or non-stock merchandise. All returned merchandise subject to a restocking charge. PAST DUE INVOICES MAY BE SUBJECT TO 1.5% LATE CHARGE

Challenger Band Room



REFRIGERATION SUPPLIES DISTRIBUTOR

RSD - Nogales

871-B W. Mariposa Road, Nogales, AZ 85621

(520) 287-7277 Fax (520) 287-2166

QUOTE

PAGE	1
ORDER NO	28051832-00
ORDER DATE	08/11/14
PO NUMBER	
INVOICE DATE	

CUST.#: 3580

BILL TO: NOGALES UNIF SCH VND#1942
310 W PLUM ST

NOGALES, AZ 85621

SHIP TO: NOGALES UNIF SCH VND#1942
310 W PLUM ST

NOGALES, AZ 85621

INSTRUCTIONS			
SHIP POINT	SHIP VIA	SHIPPED	TERMS
RSD - NOGALES	WILL CALL	08/11/14	NET 30

LINE NO.	PRODUCT AND DESCRIPTION	QUANTITY ORDERED	QUANTITY B.O.	QTY. SHIPPED	UNIT PRICE	AMOUNT (NET)	
1	COPE CRNQ-050E-PFV-970	1			678.68	678.68	T
	HERMETIC COMPRESSOR A/C R22 61K 45/130 MT R22 33K						
2	FLOW EK163S	1			21.63	21.63	T
	3/8 ODF 16 CU IN LIQUID LINE DRIER						
3	MARS 61755	1			17.52	17.52	T
	40A 2 POLE 24 VOLT CONTACTOR W/LUGS 45GG20AJL1						
3	LINES TOTAL	QTY SHIPPED TOTAL		3	SUBTOTAL	717.83	
					TAXES	61.74	
					INVOICE TOTAL	779.57	
					AMOUNT DUE	779.57	

FARNK

LAST PAGE



Quotation

GRAINGER Inc.
4465 E. Broadway Rd.
Phoenix, AZ 85040

Customer Information

NOGALES PUBLIC SCHOOLS
610 W WESTERN AVE
NOGALES AZ 85621-1846

Billing Information

NOGALES PUBLIC SCHOOLS
610 W WESTERN AVE
NOGALES AZ 85621-1846

Shipping Information

NOGALES PUBLIC SCHOOLS
610 W WESTERN AVE
NOGALES AZ 85621-1846

Information

Grainger Quote Number 2021844814
Validity Start Date 08/15/2014
Validity End Date 09/15/2014
Creation Date 08/15/2014
Grainger EIN Number 36-1150280
PO # QUOTE
PO Create Date
PO Release #
Customer Number 817405194
Department Number
Project/Job Number
Requisitioner Name
Attention
Caller GABRIEL HERRERA
Telephone Number 5202870922
Page 1 / 2

Freight Forwarder

We will deliver according to the following terms and conditions:

Incoterms® 2010: FOB ORIGIN
Freight Terms: Prepaid
Carrier:
Payment Terms: Net 30 days after Invoice date

Special Instructions: adsp011-005268

Item	Material	Description	Quantity	Unit	Price	Total In USD
PO-Line						
10	36L351	Compressor Contactor,24V Coil Mfg Brand Name: WHITE-RODGERS Manufacturer Part No: 49P11-843	1.00	EA	54.30	54.30
20	4MHZ2	A/C Compressor,60,000 BtuH,208/230V Mfg Brand Name: DANFOSS Manufacturer Part No: HRM060U1LP6	1.00	EA	735.66	735.66
30	6X583	Filter/Dryer,3/8 In Mfg Brand Name: PARKER	2.00	EA	24.92	49.84



Quotation

GRAINGER Inc.
4465 E. Broadway Rd.
Phoenix, AZ 85040

Information

Grainger Quote Number	2021844814
Creation Date	08/15/2014
Customer Number	817405194
Page	2 / 2

Item	Material	Description	Quantity	Unit	Price	Total In USD
PO-Line						

Manufacturer Part No: 083S

Sub Total	839.80
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Tax	69.71
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Total USD	\$ 909.51
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Please reference our Grainger Quote Number, your Grainger Customer Number, and method of payment when remitting payment.

These items are sold for domestic consumption in the United States. If exported, purchaser assumes full responsibility for compliance with US export controls.

This transaction is subject to W.W. Grainger, Inc. sales terms and conditions. For a copy, please visit the website at <http://www.grainger.com> or refer to the current catalog.

Thank you for the opportunity to provide this quotation. Please note that all the prices are based on products and quantities quoted. Any changes to the products and/or quantities may result in different pricing. The non-catalog freight policy applies unless freight amount is listed above. Please contact the Grainger office shown above if you have further questions or need to submit a new request.

Dean Gray

From: Pat Cruse
Sent: Wednesday, August 27, 2014 11:09 AM
To: Dean Gray
Subject: FW: Nogales Unified District - BRG Application ID: 1483

From: Fernando Parra [mailto:fparra@nUSD.k12.az.us]
Sent: Friday, August 22, 2014 5:04 PM
To: Pat Cruse
Cc: Steve Zimmerman
Subject: Re: Nogales Unified District - BRG Application ID: 1483

Pat,

We are not. I got your message. I understand the reason why this was not approved. I hope that your one and one communication with Bambi improves. I have once again communicated with Bambi as well. The SFB and you as the Liaison and the District are here in the best interest of our schools and students. It is about better and safer buildings for our school communities. It is also about doing things right for all entities involved.

We just did a Board presentation regarding our facilities and all the SFB Projects-Funding, including highlighting the additional savings to our District. We praised and thank the SFB for all the support and assistance with our buildings these past three years. Steve also thanked you publicly and personally during the Board meeting and highlighted how appreciative and fortunate that District is for the SFB.

We appreciate and thank you Pat,
Fernando

From: Pat Cruse
Sent: Friday, August 22, 2014 3:47 PM
To: Fernando Parra
Subject: Re: Nogales Unified District - BRG Application ID: 1483

If you and Steve are unhappy w me or sfb please call me

Thanks

Sent from my iPhone

On Aug 22, 2014, at 3:28 PM, "Fernando Parra" <fparra@nUSD.k12.az.us> wrote:

Thank you Pat.
Fernando

From: Pat Cruse
Sent: Friday, August 22, 2014 3:17 PM
To: Bambi De La Riva; Fernando Parra; Steve Zimmerman
Cc: Dean Gray
Subject: RE: Nogales Unified District - BRG Application ID: 1483

Hello Bambi:

You are more than welcome to attend as it is a public meeting. It is the first Wed of every month @ 10am. As I remember, all of the Nogales grant a/c requests have been processed except for this one and maybe a few others because they were either purchased prior to approval (because they were your first few) or were District function offices which are not academic.

I am sorry you believe it is red tape. You submitted a grant without any name plate information on the what you wanted grant funds for (see below), and you know before we can process the grant, your Supt. must sign the grant which is really not a show stopper on issues such as this. I have districts asking for compressors on a/c units that are 20 -40 years old. We will not fund those situations for new compressors but new units. So.....I am trying to find out what you're doing to best serve Nogales. In reality, you should be providing me all the history, but I am willing to assist the District on that level. This replacement requires doing the cost analysis on the unit, repair vs. replacement and provide all repair history and expenditures of that unit but I have been doing that for Nogales on a smaller scale based on age only.

The grant request was dated 8/20/2014 @ 2:03 pm. I responded back at 3:32 pm by email requesting manufacture, model and serial number and signed copy of the grant. You did not resubmit it till the following day 8/21 @ 1:59. Now I apologize as I would not have sent you through the obstacle course had I read the grant in full. I really should have denied it yesterday on 8/20 @3:32 pm. as I learned to day, you already purchased the parts without our authority. (See below) I have stated to you on multiple occasions that I am usually on the road visiting districts which this day I happened to be in the office. I have requested that you call me on my cell phone for matters such as this because of my travel. I did not receive a call either, so , I 'm really not sure how we I or the SFB could improve or escalate your grant without your FULL cooperation.

<image003.jpg>

The SFB is asking for very basic Information which is really not unreasonable and has been consistent with all other 8 A/C compressor requests (manufacture, model and serial numbers????) so that you can purchase that new component.

As per the Building Renewal Statute for funds, I should be asking for the preventive maintenance reports for this unit. Please refer to the statute, but I know and you know you have not been doing those functions either so why should I embarrass you and the District and deny all your requests on hvac grants until you have a sound preventive maintenance program. Please see the attached document which is a true preventive maintenance plan for a heat pump. On a smaller scale, you and I both know filters have not been changed on multiple units at multiple schools in over a year and you and I both have witnessed dirty coils due to the fact filters were not changed and/or not installed. I want to believe that function has improved. PLEASE NOTE: Filters and dirty coils are a primary cause for compressor failure, so please be careful how you tread down this road for Nogales.

Therefore, before you make poor statements regarding any denial of requests and/or cooperation of the SFB in behalf of Nogales, please refer back to the 9 prior projects that have been funded which were turned around in less 2-4 hours once you have provided all the basic information, and without asking for the preventive maintenance records that should have been provided. Again, please refer to the statute as it is called "Routine Maintenance".

Not sure how you view the SFB now that I have explained how I am trying to best serve you or how we can improve this process any further. None of the processes have changed in expectations in the last two years we have implemented this program. Not sure why you want to go down that dead end road to nowhere , but you need to know, I will help you as much as possible.

Thanks,

From: Bambi De La Riva [<mailto:rdelariva@nUSD.k12.az.us>]
Sent: Friday, August 22, 2014 12:58 PM
To: Pat Cruse; Fernando Parra; Steve Zimmerman
Subject: RE: Nogales Unified District - BRG Application ID: 1483

I will show up to your next board meeting and see why our request are not being approved, because I can't wait until all the red tape goes through and have the classroom without air.

Thanks,
Bambi

From: Pat Cruse [<mailto:pcruse@azsfb.gov>]
Sent: Friday, August 22, 2014 8:18 AM
To: Fernando Parra; Steve Zimmerman; Bambi De La Riva
Subject: FW: Nogales Unified District - BRG Application ID: 1483

I am in receipt of the grant you submitted yesterday for Challenger. I have no choice but to recommend "DENIAL" based on the date of the grant and the issuance of a purchase order dated 8/20. If I am mistaken, please advise.

Thanks,

From: FundingRequest@azsfb.gov [<mailto:FundingRequest@azsfb.gov>]
Sent: Thursday, August 21, 2014 1:59 PM
To: bambi@nUSD.k12.az.us
Cc: Pat Cruse
Subject: Nogales Unified District - BRG Application ID: 1483

Ricardo De La Riva,

This email serves as confirmation that your Building Renewal Grant Application has been **Resubmitted** to the School Facilities Board (SFB) for review.

You may access the application online at:

<http://www.azsfb.gov/sfb/sfbscr/sfbda/daDFRApplication.asp?dfrID=1483>

The attachment contains a printable PDF version of the application as of 8/21/2014 1:59:01 PM.

The next step in the application process is to continue communications with your Liaison to make sure all the appropriate documentation is provided to the SFB.

Thank You,

Pat Cruse

School Facilities Board

pcruse@azsfb.gov

602-364-1193