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 30th day of January, 2015.

February 4, 2015
10:00am MST
Arizona State Archives Building
1901 W. Madison St.
1st floor meeting room
Phoenix, Arizona 85009

By _____

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

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

AGENDA
SCHOOL FACILITIES BOARD
February 4, 2015
10:00AM

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

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

I. Call to Order

II. Roll Call

III. Consideration and possible vote to accept, reject or modify the Minutes of January 7, 2015

IV. Director's Report
   a. Paperless Board Packets
   b. Policy Review – III. SFB Capital Plans
   c. Legislative/Budget Update

V. New Construction Requests
   Consideration and possible vote to accept, reject or modify the FY 2015 Capital Plan New Construction Requests

- Agua Fria Union
- Casa Grande Elementary
- Chandler Unified
- Florence Unified
- Higley Unified
- Kirkland Elementary
- Liberty Elementary
- Litchfield Elementary
- Queen Creek Unified
- Sahuarita Unified

- Vail Unified

VI. Reduction of Square Footage Requests
Consideration and possible vote to accept, reject or modify Requests for Reduction of Square Footage

- Yuma Elementary

VII. Building Renewal Grant Requests

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

- Clarkdale-Jerome Elementary
- Safford Unified
- Valley Union

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

Supplemental Awards

- Ganado Unified (2 requests)
- Mobile Elementary
- Mohave Valley Elementary

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

Construction Awards

- Benson Unified
- Bullhead City Elementary (2 requests)
- Cave Creek Unified
- Colorado River Union
- Mayer Unified
- Saddle Mountain Unified (3 requests)
- Scottsdale Unified (2 requests)
- Tuba City Unified
- Willcox Unified

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

Design Awards

- Duncan Unified
- Mesa Unified
- Mohave Valley Elementary
- Scottsdale Unified

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

Design Awards

- Round Valley Unified

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

Denial

- Florence Unified
- Show Low Unified

VIII. Emergency Deficiencies Correction Requests

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

Construction Awards

- Bullhead City Elementary

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

Design Awards

- St Johns Unified

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

Denial

- Toltec Elementary

IX. Preventative Maintenance Inspection Reports

a. Consideration and possible vote to accept, reject or modify the Preventative Maintenance Inspection Reports

- Skull Valley Elementary

b. Consideration and possible vote to accept, reject or modify the random selection of districts for a Preventative Maintenance Inspection

- Deer Valley Unified

X. Future Agenda Items

XI. 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.

XII. Adjournment

UNOFFICIAL

SCHOOL FACILITIES BOARD
January 7, 2015
Phoenix, Arizona

The School Facilities Board held a Board Meeting at the Arizona State Archives Building in Phoenix, Arizona. The meeting began at approximately 10:06 A.M.

Members Present	Guests Present
Jennifer Stielow, Chair	Chris Tosh, APS
Tom Rushin, Vice-Chair	Dennis Edwards, CST
Dru Barisich	Craig Edwards, CST
Traci Sawyer-Sinkbeil	Nate Bowler, Buckeye ESD
Dr. Jeff Smith	Allison Suriano, FMG
Ward Simpson	Carlos Monreal, Scottsdale USD
Bryan Peltzer	Mark Rafferty, FMG
	Robert Jacobson, Laveen ESD
Members Absent	Terry Worcester, Scottsdale USD
Vern Crow	Roy Sucanick, Creighton ESD
Edward Boot	John Muir, Cave Creek USD
Stacey Morley (non-voting)	Fred Garnett, Yarnell ESD
	Staff Present
	Dean Gray, Executive Director
	Phil Williams, Deputy Director
	Kerry Campbell, Public Information Officer
	Amber Peterson, School Finance Specialist
	Debra Sterling, Attorney General's Office
	Dan Demland, School Facilities Liaison
	Yujun Mei, Demographer

I. Call to Order
Chairman Jennifer Stielow called the meeting to order at approximately 10:06 A.M.

II. Roll Call
There were six (6) voting Board Members present at the start of the meeting. Dr. Jeff Smith joined the meeting during agenda item IV.a.

III. Consideration and possible vote to accept, reject or modify the Minutes and Executive Session Minutes of December 10, 2014 and the Minutes of December 12, 2014
Traci Sawyer-Sinkbeil made a motion for Board approval of the Minutes and Executive Session Minutes of December 10, 2014 and the Minutes of December 12, 2014. Tom Rushin seconded. The motion passed with a voice vote of 6-0.

IV. New School Construction
a. Consideration and possible vote to accept, reject or modify the FY 2015 Capital Plan New Construction Requests
Amber Peterson provided a brief explanation of the staff recommendations as presented in the Board packet. The Board voted on the Union Elementary request separately.

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

1. **Avondale Elementary (K-8): Conceptually approve** 001N (K-8 for 850 students) to be approved in FY 22.

2. **Buckeye Elementary (K-8): Conceptually approve** 011N (K-8 for 800 students) to be approved in FY 21.

3. **Laveen Elementary (K-8): Conceptually approve** 009N (K-8 for 1,000 students) to be approved in FY 17. **Conceptually approve** 010N (K-8 for 1,000 students) to be approved in FY 20.

4. **Littleton Elementary (K-8): Conceptually approve** a K-8 school for 950 students to be approved in FY 22.

5. **Nadaburg Unified (9-12): Conceptually approve** 007N (geographic exception high school for 1,000 students) to be approved in FY 20.

6. **Riverside Elementary (K-8): Deny conceptual approval**.

7. This item was voted on separately.

Tom Rushin seconded. The motion passed with a voice vote of 6-0.

Dr. Jeff Smith joined the Board at this time.

Dru Barisich recused herself from the Board at this time.

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

Union Elementary (K-8): Conceptually approve 007N (K-8 for 800 students) to open in FY 20.

Tom Rushin seconded. The motion passed with a voice vote of 6-0.

Dru Barisich rejoined the Board at this time.

The Board amended the original motion to deny **Riverside Elementary**'s request and re-voted. Ward Simpson made the motion and Tom Rushin seconded. The motion passed with a voice vote of 7-0.

b. <u>Consideration and possible vote to accept, reject or modify New Construction Project Review</u>
Amber Peterson provided a brief explanation of the staff recommendation as presented in the Board packet.

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

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

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

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

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

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 $5,280,607. Staff continues working to close projects and make recognized savings and unspent monies available for new projects.

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

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

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

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

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

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

4. Board ratification that **Palo Verde Elementary** be awarded $8,758 in Building Renewal Grant funding to replace the two septic lift station pumps at Palo Verde Elementary School (project number 070449101-

9999-008BRG). This includes $500 in contingency that will only be used with SFB staff approval.

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

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

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

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

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

b. <u>Consideration and possible vote to accept, reject or modify Building Renewal Grant Requests (supplemental awards)</u>
Dean Gray provided a brief explanation of the requests as presented in the Board packet.

Fred Garnett, Superintendent of Yarnell Elementary, requested the Board's support for their Building Renewal Grant request.

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

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

2. Board approval of the staff recommendation that **Show Low Unified** be awarded an additional $249,947 in Building Renewal Grant funding to replace the fire alarm system at Nicklaus Homestead Elementary School (project number 090210120-9999-002BRG). This includes $1,200 for

permits and $22,000 in contingency that will only be used with SFB staff approval and brings the total project cost to $268,247.

3. Board approval of the staff recommendation that **Yarnell Elementary** be awarded an additional $97,820 in Building Renewal Grant funding for the engineering design, construction administration and construction costs for repairs to the domestic water pumps and alarm system at Yarnell Elementary School (project number 130352101-9999-001BRG). This includes $5,000 in contingency that will only be used with SFB staff approval and brings the total project cost to $105,320.

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

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

Dean Gray provided a brief explanation of the requests as presented in the Board packet. 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 **Bullhead City Elementary** be awarded $1,800 in Building Renewal Grant funding to repair the water softener serving the kitchen Building 1006 at Desert Valley Elementary School. This includes $380 in contingency that will only be used with SFB staff approval.\

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

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

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

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

6. Board approval of the staff recommendation that **Scottsdale Unified** be awarded $3,975 in Building Renewal Grant funding to replace the

domestic water line serving Building 1005 at Hohokam Elementary School. This includes $1,000 in contingency that will only be used with SFB staff approval.

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 (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 **Ash Creek Elementary** be awarded $40,590 in Building Renewal Grant funding for the assessment of the septic system at Ash Creek Elementary School.

2. Board approval of the staff recommendation that **Cave Creek Unified** be awarded $24,200 in Building Renewal Grant funding for the structural engineering and construction documents for the replacement of multiple roofs at Cactus Shadows High School.

3. Board approval of the staff recommendation that **Creighton Elementary** be awarded $3,905 in Building Renewal Grant funding for professional services to assess the current roofs at Creighton Elementary School.

4. Board approval of the staff recommendation that **Kirkland Elementary** be awarded $3,350 in Building Renew Grant funding for the engineering design fee for the MDF room in Building 1001 at Kirkland Elementary School.

5. Board approval of the staff recommendation that **Kirkland Elementary** be awarded $2,400 in Building Renewal Grant funding for the structural roof analysis of Building 1001 at Kirkland Elementary School.

6. Board approval of the staff recommendation that **Mesa Unified** be awarded $2,300 in Building Renewal Grant funding for design services for the replacement of the sewage ejector station at Red Mountain High School. The district will contribute $18,000 towards the cost of construction.

7. Board approval of the staff recommendation that **Scottsdale Unified** be awarded $8,115 in Building Renewal Grant funding for construction bid documents to replace the roofs on Buildings 1012 and 1021 at Tavan Elementary School.

8. Board approval of the staff recommendation that **Show Low Unified** be awarded $4,158 in Building Renewal Grant funding for design services and an asbestos survey for the roof repairs on Building 1001 at Show Low Junior High School.

9. Board approval of the staff recommendation that **Show Low Unified** be awarded $4,158 in Building Renewal Grant funding for design services and an asbestos survey for the roof replacement on Building 1004 at Linden Elementary School.

10. Board approval of the staff recommendation that **Tolleson Union** be awarded $2,950 in Building Renewal Grant funding for an engineering assessment and design for the repair of the sewer piping in Building 1004 at Tolleson Union High School. The district will contribute $5,000 to the cost of construction.

11. Board approval of the staff recommendation that **Tolleson Union** be awarded $2,950 in Building Renewal Grant funding for an engineering assessment, design and bid documents for the repair of the underground sewer piping in Building 1027 at Tolleson Union High School. The district will contribute $5,000 to the cost of construction.

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

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

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

Dean Gray provided a brief explanation of the requests as presented in the Board packet. The Board 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 **Dysart Unified**'s request for Building Renewal Grant funding to restore the roofs at Dysart Elementary School be **denied** because it appears the current roofs are still under warranty till May 2017.

2. Board approval of the staff recommendation that **Dysart Unified**'s request for Building Renewal Grant funding to restore the roofs at Mountain View Elementary School be **denied** because it appears the current roofs are still under warranty till 2017.

3. Board approval of the staff recommendation that **Dysart Unified**'s request for Building Renewal Grant funding to repair the roofs at Surprise Elementary School be **denied** because it appears the current roofs are still under warranty.

Jennifer Stielow seconded. The motion passed with a voice vote of 6-0.

Traci Sawyer-Sinkbeil rejoined the Board at this time.

VII. Future Agenda Items

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

VIII. Public Comment

Nate Bowler, Business Manager for Buckeye Elementary, expressed his concern for the growth the district is experiencing and the future need for one new school by 2018 and four new schools in the next ten years.

Dean Gray offered to provide an explanation of conceptual approvals at the next Board meeting.

IX. Adjournment

There being no further business, Jennifer Stielow adjourned the meeting at approximately 10:52 A.M.

Approved by the School Facilities Board on _____, 2015

_____
Chair

STATE OF ARIZONA
SCHOOL FACILITIES BOARD

Meeting Date: February 4, 2015 **Agenda Item IV.a.**

Subject: IV. Director's Report (action of the Board may be requested)
a. Paperless Board Packets

At the request of the Board, staff researched the cost of paperless Board Packets versus the cost of sending out the hard copies each month.

Attached is information on web-based services and the cost of hardware.

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

Attachments: Yes [X] No [ ]

Cost Analysis for Paper Board Packets
January 2015

Copier Paper		
Average # of pages in board packets/month	240	
Total # of printed board packets/month	19	
Total # of pages/month	4560	
Total # of reams/month (500 pgs/ream)	9.12	
Cost of paper/box (10 reams/box)		$28.78
Color Paper		
Total # of color reams/month (500 pgs/ream)	1	
Cost of color paper/ream		$9.47
Other Supplies		
Cost of indexing tabs/packet		$53.91
Cost of clips		$0.67
Cost of envelopes		$4.43
Shipping		
FedEx delivery charges/month		$84.92
		$182.18

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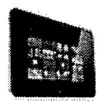

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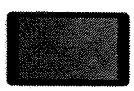	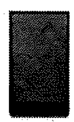	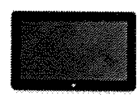	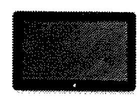
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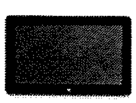	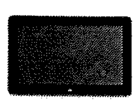	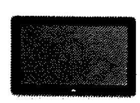	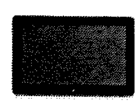
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Windows 8.1 Pro (32Bit) English French MUI Venue 11 Pro 5130, Atom Z3775, 64GB, 2GB, FHD	Windows 8.1 Pro (64Bit) English French MUI Venue11Pro (5130),X64,64GB,2GB,WiFi	MOD,ASSY,BASE,4G,X64,WIFI,5130	Windows 8.1 Pro (64Bit) English French MUI Venue 11 Pro 5130,X64,64G,2G,LTE
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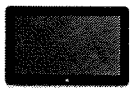
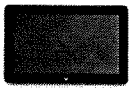
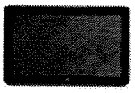
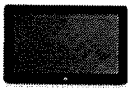
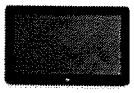
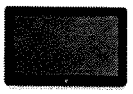
			
Price $743.12	Price $757.70	Price $801.42	Price $845.12
Intel® Core™ M-5Y10C processor Venue 11 Pro Windows 8.1 (64Bit) English/French 128GB[1] eMMC Solid State Storage	Intel® Atom™ processor Z3795 (2MB Cache, up to 2.4GHz Quad-Core) Tablet Venue 11 Pro 64-Bit Windows 8.1 Pro (64Bit) English French MUI MOD,ASSY,BASE,4G,X64,LTE,5130	Intel® Core™ M-5Y71 processor Venue 11 Pro Windows 8.1 (64Bit) English/French 128GB[1] eMMC Solid State Storage	Intel® Core™ i3 4020Y processor (3MB Cache, 1.5 GHz Dual -Core) Dell Venue™ 11 Pro (7130/7139) BTX Windows 8.1 Pro, 64-bit English/French 128GB[1] Mobility Solid State Drive
Choose	Choose	Choose	Choose
Customize	Customize	Customize	Customize
Compare Selected	Compare Selected	Compare Selected	Compare Selected
Dell Venue 11 Pro 7000 Series Tablet - Smart Selection, Great value & ready for shipping	**Dell Venue 11 Pro 7000 Series Tablet**	**Dell Venue 11 Pro 7000 Series Tablet**	**Dell Venue 11 Pro 7000 Series Tablet**
			
Price $854.86	Price $874.28	Price $874.28	Price $893.71
Intel® Core™ M-5Y71 vPro™ processor Venue 11 Pro Windows 8.1 Pro, 64-bit English/French 128GB[1] eMMC Solid State Storage	Intel® Core™ i5 4300Y processor (3MB Cache, 1.6 GHz Dual -Core) Dell Venue™ 11 Pro (7130/7139) BTX Windows 8.1 Pro, 64-bit English/French 128GB[1] Mobility Solid State Drive	Intel® Core™ i5 4300Y processor (3MB Cache, 1.6 GHz Dual -Core) Dell Venue™ 11 Pro (7130/7139) BTX Windows 8.1 Pro, 64-bit English/French 128GB[1] Mobility Solid State Drive	Intel® Core™ i5 4210Y processor (3MB Cache, 1.5 GHz Dual-Core) Dell Venue™ 11 Pro (7130/7139) BTX Windows 8.1 Pro, 64-bit English/French 128GB[1] Mobility Solid State Drive
Choose	Choose	Choose	Choose
Customize	Customize	Customize	Customize
Compare Selected	Compare Selected	Compare Selected	Compare Selected
Dell Venue 11 Pro 7000 Series Tablet - Smart Selection, Great value & ready for shipping	**Dell Venue 11 Pro 7000 Series Tablet (non-TAA)**	**Dell Venue 11 Pro 7000 Series Tablet**	**Dell Venue 11 Pro 7000 Series Tablet**
			
Price $922.86	Price $990.85	Price $1,136.56	Price $1,262.84
Intel® Core™ M-5Y71 vPro™ processor Venue 11 Pro	Intel® Core™ i5 4300Y processor (3MB Cache, 1.6 GHz Dual -Core)	Intel® Core™ i5 4300Y processor (3MB Cache, 1.6 GHz Dual -Core)	Intel® Core™ i5 4300Y processor (3MB Cache, 1.6 GHz Dual -Core)

Windows 8.1 Pro, 64-bit English/French 128GB[1] eMMC Solid State Storage	Dell Venue™ 11 Pro (7130/7139) BTX Windows 8.1 Pro (64Bit) English 128GB[1] Mobility Solid State Drive	Dell Venue™ 11 Pro (7130/7139) BTX Windows 8.1 Pro, 64-bit English/French 256GB Mobility Solid State Drive	Dell Venue™ 11 Pro (7130/7139) BTX Windows 8.1 Pro, 64-bit English/French 256GB Mobility Solid State Drive
Choose	Choose	Choose	Choose
Customize	Customize	Customize	Customize

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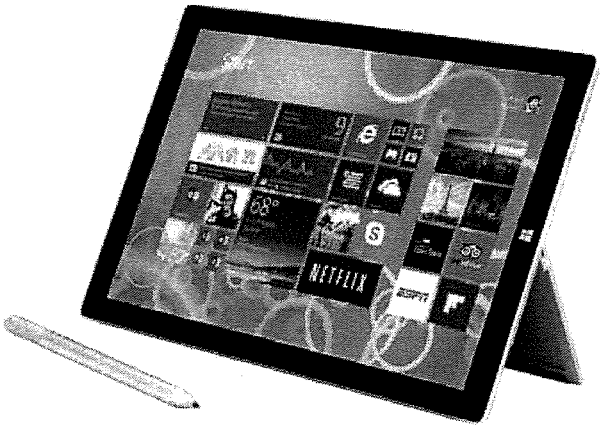
(http://www.microsoftstore.com/store/msusa/en_US/DisplayThreePgCheckoutShoppingCartPage)

Surface Pro 3 - 64GB / Intel i3



★★★★★ (762)

$799.00

Choose device: **64GB / Intel i3 - 1.5GHz**

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- 512GB / Intel i7 - 1.7GHz

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Software
Windows 8.1 Pro

Exterior
Casing: Magnesium • Color: Silver • Physical buttons: Volume, Power, Home

Dimensions
11.50 x 7.93 x 0.36 in (292.10 x 201.42 x 9.14 mm)

Weight
1.76 lbs (0.79 kg)

Hard drive size[2]
Solid state drive (SSD) options: 64GB, 128GB, 256GB, or 512GB

Memory
64GB or 128GB version with 4GB RAM
256GB or 512GB version with 8GB RAM

Display
Screen: 12" ClearType Full HD Display • Resolution: 2160 x 1440 • Aspect Ratio: 3:2 • Touch: Multitouch input

Processor
64GB/Intel i3 version:
4th generation Intel Core i3-4020Y 1.50 GHz with Intel HD Graphics 4200

128GB and 256GB/Intel i5 version:
4th generation Intel Core i5-4300U 1.90 GHz (with Turbo Boost Technology up to 2.9GHz) with Intel HD Graphics 4400

256GB and 512GB/Intel i7 version:
4th generation Intel Core i7-4650U 1.70 GHz (with Turbo Boost Technology up to 3.3 GHZ) with Intel HD Graphics 5000

TPM (Trusted Platform Module) chip for enterprise security

Wireless
802.11ac/802.11a/b/g/n

Bluetooth
Bluetooth 4.0 Low Energy technology

Battery Life
Up to 9 hours of web browsing[5]

Cameras and Video
5MP and 1080p HD front- and rear-facing cameras • Built-in front- and rear-facing microphones • Stereo speakers with Dolby Audio-enhanced sound

Audio
Stereo speakers with Dolby Audio-enhanced sound

Ports
Full-size USB 3.0 • microSD card reader • Headphone jack • Mini DisplayPort • Cover port • Charging port

Sensors
Ambient light sensor • Accelerometer • Gyroscope • Magnetometer

Warranty
1-year limited hardware warranty[6]

Surface Pen
Dimensions: 135mm (length), 9.5mm (diameter) • Weight: 20 grams

Pre-installed Apps
Flipboard • Skype Wi-Fi • Skype • OneNote MX • Solitaire • Mahjong • Sudoku/Microsoft Number Puzzle • Fresh Paint

In the box
Surface Pro 3 • Surface Pen • 36-watt power supply • Quick Start Guide • Safety and warranty documents

FAQ

Can Surface Pro 3 run the same programs that run on my laptop or desktop?

A: Yes, Surface Pro 3 is a full laptop replacement. It can run any program that runs on Windows, including Office, iTunes, and Photoshop.[1]

Can Surface Pro 3 connect to a larger monitor for business presentations?

A: Yes, you can connect to most monitors via the Surface Pro 3 mini DisplayPort and an optional AV adapter (http://www.microsoftstore.com/store/msusa/en_US/pdp/Surface-Mini-DisplayPort-HD-AV-Adapter/productID.291878400) or VGA adapter (http://www.microsoftstore.com/store/msusa/en_US/pdp/Surface-Mini-DisplayPort-to-VGA-Adapter/productID.291878500).

Which documents can I mark up with Surface Pen?

A: You can mark up any document in Word, Excel, and OneNote, and at any thickness you want. Office programs[1] appear with a "Pen" tab on the ribbon which gives you all the options you need. There are also many Pen apps to markup PDFs and other documents, such as Drawboard PDF.

Can I use the Surface Pro 3 for gaming?

A: Yes. Surface Pro 3 runs many of the most popular PC games, including League of Legends, Civilization V, and The Elder Scrolls Online. You can also connect an Xbox 360 wireless controller for Windows (http://www.microsoftstore.com/store/msusa/en_US/pdp/Xbox-360-Wireless-Controller-for-Windows-Black/productID.253707500) to your Surface and hook up to your big screen TV to play your favorite PC games.

How can I get help setting up or troubleshooting?

A: Download the Surface Pro 3 user guide (http://www.microsoft.com/surface/en-us/support/userguides?category=user-guides) and make sure you've installed the latest updates (http://www.microsoft.com/surface/en-us/support/performance-and-maintenance/install-software-updates-for-surface).

Ratings and reviews

Compare iPad models.

Need more details?
Jump to the full comparison chart ›

iPad Air

iPad Air puts all the computer you may ever need into a simple piece of glass. Both versions of iPad Air are incredibly capable, with desktop-class 64-bit architecture, gorgeous 9.7-inch Retina displays, and all-day battery life.[1] And the new iPad Air 2 takes those capabilities even further with Touch ID, the fast A8X chip, new cameras, and the versatile Apple SIM — in a design so thin and light you have to hold one to believe it.

iPad mini

Here's proof that good things really do come in small packages. No matter which iPad mini you choose, you'll be treated to a display that's sharp and vibrant, performance that's fast and powerful, and much more. And with hundreds of thousands of apps available, you can do more than you ever thought possible.

iPad Air 2 iPad Air iPad mini 3 iPad mini 2 iPad mini

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Capacity and Price[2]

Wi-Fi:	**Wi-Fi:**	**Wi-Fi:**	**Wi-Fi:**	**Wi-Fi:**
16GB **$499**	16GB **$399**	16GB **$399**	16GB **$299**	16GB **$249**
64GB **$599**	32GB **$449**	64GB **$499**	32GB **$349**	
128GB **$699**		128GB **$599**		
Wi-Fi + Cellular:	**Wi-Fi + Cellular:**	**Wi-Fi + Cellular:**	**Wi-Fi + Cellular:**	**Wi-Fi + Cellular:**
16GB **$629**	16GB **$529**	16GB **$529**	16GB **$429**	16GB **$379**
64GB **$729**	32GB **$579**	64GB **$629**	32GB **$479**	
128GB **$829**		128GB **$729**		

Display

Retina display	Retina display	Retina display	Retina display	—
9.7-inch (diagonal) LED-backlit Multi-Touch display with IPS technology	9.7-inch (diagonal) LED-backlit Multi-Touch display with IPS technology	7.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology	7.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology	7.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology
2048-by-1536 resolution at 264 pixels per inch (ppi)	2048-by-1536 resolution at 264 pixels per inch (ppi)	2048-by-1536 resolution at 326 pixels per inch (ppi)	2048-by-1536 resolution at 326 pixels per inch (ppi)	1024-by-768 resolution at 163 pixels per inch (ppi)
Fingerprint-resistant oleophobic coating	Fingerprint-resistant oleophobic coating	Fingerprint-resistant oleophobic coating	Fingerprint-resistant oleophobic coating	Fingerprint-resistant oleophobic coating
Fully laminated display	—	—	—	—
Antireflective coating	—	—	—	—

Dimensions[3]

Height: 9.4 inches (240 mm)	**Height:** 9.4 inches (240 mm)	**Height:** 7.87 inches (200 mm)	**Height:** 7.87 inches (200 mm)	**Height:** 7.87 inches (200 mm)
Width:	**Width:**	**Width:**	**Width:**	**Width:**

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6.6 inches (169.5 mm) **Depth:** 0.24 inch (6.1 mm)	6.6 inches (169.5 mm) **Depth:** 0.29 inch (7.5 mm)	5.3 inches (134.7 mm) **Depth:** 0.29 inch (7.5 mm)	5.3 inches (134.7 mm) **Depth:** 0.29 inch (7.5 mm)	5.3 inches (134.7 mm) **Depth:** 0.28 inch (7.2 mm)

Weight[3]

Wi-Fi: 0.96 pound (437 g) **Wi-Fi + Cellular:** 0.98 pound (444 g)	**Wi-Fi:** 1 pound (469 g) **Wi-Fi + Cellular:** 1.05 pounds (478 g)	**Wi-Fi:** 0.73 pound (331 g) **Wi-Fi + Cellular:** 0.75 pound (341 g)	**Wi-Fi:** 0.73 pound (331 g) **Wi-Fi + Cellular:** 0.75 pound (341 g)	**Wi-Fi:** 0.68 pound (308 g) **Wi-Fi + Cellular:** 0.69 pound (312 g)

Chip

A8X chip with 64-bit architecture and M8 motion coprocessor	A7 chip with 64-bit architecture and M7 motion coprocessor	A7 chip with 64-bit architecture and M7 motion coprocessor	A7 chip with 64-bit architecture and M7 motion coprocessor	A5 chip

Touch ID

Fingerprint identity sensor	—	Fingerprint identity sensor	—	—

Cameras

FaceTime HD camera: 1.2MP photos 720p HD video	**FaceTime HD camera:** 1.2MP photos 720p HD video	**FaceTime HD camera:** 1.2MP photos 720p HD video	**FaceTime HD camera:** 1.2MP photos 720p HD video	**FaceTime HD camera:** 1.2MP photos 720p HD video

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FaceTime video calling over Wi-Fi or cellular[4]	FaceTime video calling over Wi-Fi or cellular[4]	FaceTime video calling over Wi-Fi or cellular[4]	FaceTime video calling over Wi-Fi or cellular[4]	FaceTime video calling over Wi-Fi or cellular[4]
Face detection	Face detection	Face detection	Face detection	Face detection
Backside illumination	Backside illumination	Backside illumination	Backside illumination	Backside illumination
iSight camera:	**iSight camera:**	**iSight camera:**	**iSight camera:**	**iSight camera:**
8MP photos	5MP photos	5MP photos	5MP photos	5MP photos
Autofocus	Autofocus	Autofocus	Autofocus	Autofocus
Face detection	Face detection	Face detection	Face detection	Face detection
Backside illumination	Backside illumination	Backside illumination	Backside illumination	Backside illumination
Five-element lens	Five-element lens	Five-element lens	Five-element lens	Five-element lens
Hybrid IR filter	Hybrid IR filter	Hybrid IR filter	Hybrid IR filter	Hybrid IR filter
f/2.4 aperture	*f*/2.4 aperture	*f*/2.4 aperture	*f*/2.4 aperture	*f*/2.4 aperture
HDR photos	HDR photos	HDR photos	HDR photos	HDR photos
Panorama	Panorama	Panorama	Panorama	—
Burst mode	—	—	—	—

Video Recording (1080p HD)

Tap to focus while recording	Tap to focus while recording	Tap to focus while recording	Tap to focus while recording	Tap to focus while recording
Video stabilization	Video stabilization	Video stabilization	Video stabilization	Video stabilization
Face detection	Face detection	Face detection	Face detection	Face detection
Backside illumination	Backside illumination	Backside illumination	Backside illumination	Backside illumination
3x video zoom	3x video zoom	3x video zoom	3x video zoom	—
Time-lapse video	Time-lapse video	Time-lapse video	Time-lapse video	Time-lapse video
Slo-mo video	—	—	—	—

Carriers

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Cellular and Wireless

Wi-Fi:	**Wi-Fi:**	**Wi-Fi:**	**Wi-Fi:**	**Wi-Fi:**
Wi-Fi (802.11a/b/g/n/ac); dual channel (2.4GHz and 5GHz)	Wi-Fi (802.11a/b/g/n); dual channel (2.4GHz and 5GHz)	Wi-Fi (802.11a/b/g/n); dual channel (2.4GHz and 5GHz)	Wi-Fi (802.11a/b/g/n); dual channel (2.4GHz and 5GHz)	Wi-Fi (802.11a/b/g/n); dual channel (2.4GHz and 5GHz)
MIMO	MIMO	MIMO	MIMO	—
Bluetooth 4.0 technology	Bluetooth 4.0 technology	Bluetooth 4.0 technology	Bluetooth 4.0 technology	Bluetooth 4.0 technology
Wi-Fi + Cellular:	**Wi-Fi + Cellular:**	**Wi-Fi + Cellular:**	**Wi-Fi + Cellular:**	**Wi-Fi + Cellular (AT&T or T-Mobile):**
Wi-Fi (802.11a/b/g/n/ac); dual channel (2.4GHz and 5GHz)	Wi-Fi (802.11a/b/g/n); dual channel (2.4GHz and 5GHz)	Wi-Fi (802.11a/b/g/n); dual channel (2.4GHz and 5GHz)	Wi-Fi (802.11a/b/g/n); dual channel (2.4GHz and 5GHz)	Wi-Fi (802.11a/b/g/n); dual channel (2.4GHz and 5GHz)
MIMO	MIMO	MIMO	MIMO	Bluetooth 4.0 technology
Bluetooth 4.0 technology	Bluetooth 4.0 technology	Bluetooth 4.0 technology	Bluetooth 4.0 technology	GSM/EDGE
GSM/EDGE	GSM/EDGE	GSM/EDGE	GSM/EDGE	UMTS/HSPA/HSPA+/DC-HSDPA
CDMA EV-DO Rev. A and Rev. B	CDMA EV-DO Rev. A and Rev. B	CDMA EV-DO Rev. A and Rev. B	CDMA EV-DO Rev. A and Rev. B	LTE[5]
UMTS/HSPA/HSPA+/DC-HSDPA	UMTS/HSPA/HSPA+/DC-HSDPA	UMTS/HSPA/HSPA+/DC-HSDPA	UMTS/HSPA/HSPA+/DC-HSDPA	Data only[6]
LTE[5]	LTE[5]	LTE[5]	LTE[5]	**Wi-Fi + Cellular (Verizon or Sprint):**
Data only[6]	Data only[6]	Data only[6]	Data only[6]	Wi-Fi (802.11a/b/g/n); dual channel (2.4GHz and 5GHz)

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				Bluetooth 4.0 technology CDMA EV-DO Rev. A and Rev. B GSM/EDGE UMTS/HSPA/HSPA+/ DC-HSDPA LTE[5] Data only[6]

SIM Card

Nano-SIM	Nano-SIM	Nano-SIM	Nano-SIM	Nano-SIM

Connector

Lightning	Lightning	Lightning	Lightning	Lightning

Battery Life[1]

Up to 10 hours of surfing the web on Wi-Fi, watching video, or listening to music

Up to 9 hours of surfing the web using cellular data network

Charging via power adapter or USB to computer system

Sensors

Touch ID	—	Touch ID	—	—
Three-axis gyro	Three-axis gyro	Three-axis gyro	Three-axis gyro	Three-axis gyro
Accelerometer	Accelerometer	Accelerometer	Accelerometer	Accelerometer
Ambient light sensor	Ambient light sensor	Ambient light sensor	Ambient light sensor	Ambient light sensor
Barometer	—	—	—	—

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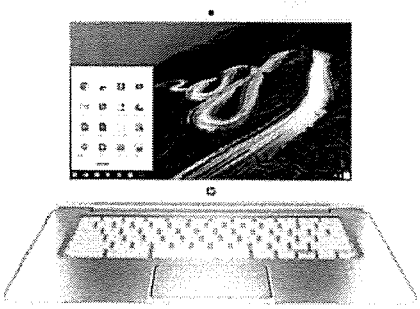
iPad Air 2	**iPad Air**	**iPad mini 3**	**iPad mini 2**	**iPad mini**
Tech Specs	**Tech Specs**	**Tech Specs**	**Tech Specs**	**Tech Specs**
View ›	View ›	View ›	View ›	View ›

1. Battery life varies by use and configuration; see www.apple.com/batteries for more information.
2. 1GB = 1 billion bytes; actual formatted capacity less. Cellular data plan is sold separately.
3. Size and weight vary by configuration and manufacturing process.
4. FaceTime calling requires a FaceTime-enabled device for the caller and recipient and a Wi-Fi connection. Availability over a cellular network depends on carrier policies; data charges may apply.
5. LTE is available in select markets and through select carriers. Speeds will vary based on site conditions. For details on LTE support, contact your carrier and see www.apple.com/ipad/LTE.
6. Cellular data plan is sold separately. The model you purchase is configured to work with a particular cellular network technology. Check with your carrier for compatibility and cellular data plan availability.

Chrome Laptops



Chromebook 14

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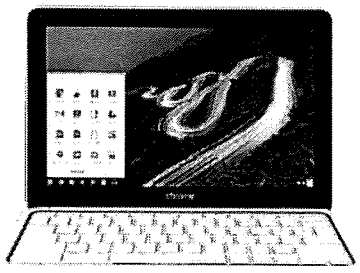

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In-home warranty is available only on select customizable HP desktop PCs. Need for in-home service is determined by HP support representative. Customer may be required to run system self-test programs or correct reported faults by following advice given over phone. On-site services provided only if issue can't be corrected remotely. Service not available holidays and weekends.

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HP 7 G2

2 Products (View all)

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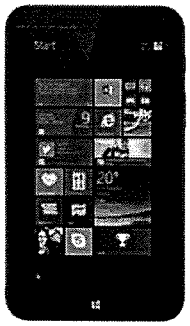

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Proposition 65
WARNING: This product contains a chemical known to the State of California to cause cancer. (California law requires this warning be provided to California customers)

Prices, specifications, availability and terms of offers may change without notice. Quantity limits may apply to orders, including orders for discounted and promotional items. Despite our best efforts, a small number of items may contain pricing, typography, or photography errors. Correct prices and promotions are validated at the time your order is placed. These terms apply only to products sold by the HP Home & Home Office Store; reseller offers may vary. Items sold by the HP Home & Home Office Store are not for immediate resale. Orders that do not comply with HP Home & Home Office Store terms, conditions, and limitations may be cancelled.

In-home warranty is available only on select customizable HP desktop PCs. Need for in-home service is determined by HP support representative. Customer may be required to run system self-test programs or correct reported faults by following advice given over phone. On-site services provided only if issue can't be corrected remotely. Service not available holidays and weekends.

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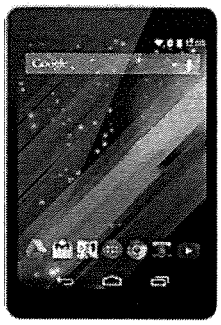
Authorized service providers
Training & certification
Product recycling

8 inch tablets



HP 8 G2 Tablet

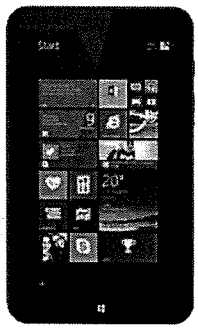
1 Product (View now)

Android operating system
Thinner, lighter and designed for the way you move, the next generation HP 8 was precisely...

It's got everything you want at a totally sweet price
25 GB BOX Cloud Storage

Starting at
$149.99

View Details



Stream 8

2 Products (View all)

Windows 8 operating system

Work from happy place #WFHP. Live life untethered on the cloud-connected...
8-inch HD display
Do more with Office 365 Personal

Starting at
$149.99

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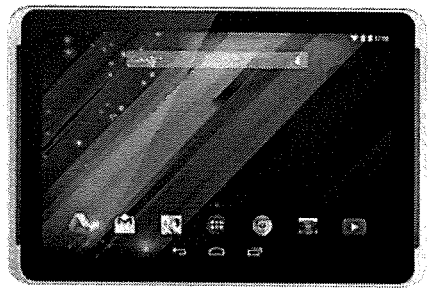
Developer community
Corporate blogs

HP Partners
Become a partner
Find a reseller
PartnerOne

Customer Support
Power cord replacement
Download drivers
Register your product
Authorized service providers
Training & certification
Product recycling

HP recommends Windows.

10 inch tablets



HP 10

2 Products (View all)

All winner A31s ARM Cortex™ A7 Quad Core Processor.
A 10-inch diagonal Full HD, display delivers a stunning picture from virtually any angle.

Run errands, travel and go about your day longer without having to worry about...
Everything you want. For less. Uncompromising performance in vivid HD.

Starting at
$249.99

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Kerry Campbell

From: noreply@salesforce.com on behalf of Bill Terry [bterry@boarddocs.com]
Sent: Tuesday, January 13, 2015 4:29 PM
To: Kerry Campbell
Subject: BoardDocs LT & BoardDocs Pro Information

Dear Kerry,

I'm sorry that I missed you by phone this afternoon. Thank you for requesting information on eGovernance solutions from BoardDocs®.

As the pioneer of eGovernance, BoardDocs has unparalleled experience helping organizations like Arizona School Facilities Board improve communications, reduce costs and ease the process of producing board meeting packets. Since our national launch of BoardDocs in 2002, over 1,000 organizations have selected our technology for eAgenda, ePolicy, MetaSearch, eGovernance document management and now, meeting video.

Because our staff members partner with each subscriber to ensure success, BoardDocs has been able to move organizations of all sizes to our state-of-the-art paperless solutions. We help with every aspect of the implementation through unsurpassed project management, user-friendly on-site training and 7 x 24, US-based, toll-free technical support for all users. BoardDocs has two eGovernance solutions based on your needs and budget, which are BoardDocs LT and BoardDocs Pro.

With respect to costs, **BoardDocs LT** has a one-time start-up fee of $1,000 that includes all expenses associated with on-site training. There is a $3,000 recurring annual cost for the system that is paid in advance of each service year. For more information about BoardDocs LT, please visit this link:

http://www.boarddocs.com/Home.nsf/%28WebContent%29/55FC6158940CA36B852570ED00769F76

With respect to costs, **BoardDocs Pro** also has a one-time start-up fee of $1,000 that includes all expenses associated with on-site training. There is a $12,000 recurring annual cost for the system that is paid in advance of each service year. For more information about BoardDocs Pro, please visit this link:

http://www.boarddocs.com/Home.nsf/%28WebContent%29/873FA28E2DB888BE852570EB001A3EE0

To arrange a Web demonstration of our services or with any additional questions you may have, please contact me at 404-865-1278 ex. 3529 or at bterry@boarddocs.com.

I look forward to hearing back from you.

Bill Terry
eGovernance Specialist
www.boarddocs.com

(800) 407-0141 x3529

BoardDocs LT & BoardDocs Pro

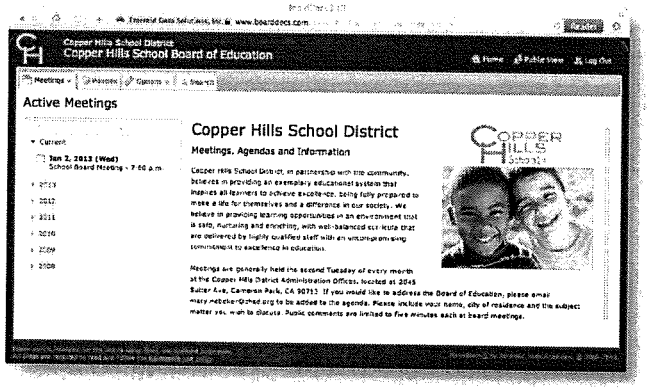
Two Solutions. No Excuses.

BoardDocs
Your Paperless Governance Solution

BoardDocs Saves Money, Time and Helps Your Board Operate More Effectively

BoardDocs LT

The ideal solution for many organizations who need a reliable agenda service with all of the power of BoardDocs Pro, without all of the features that larger organizations often require.

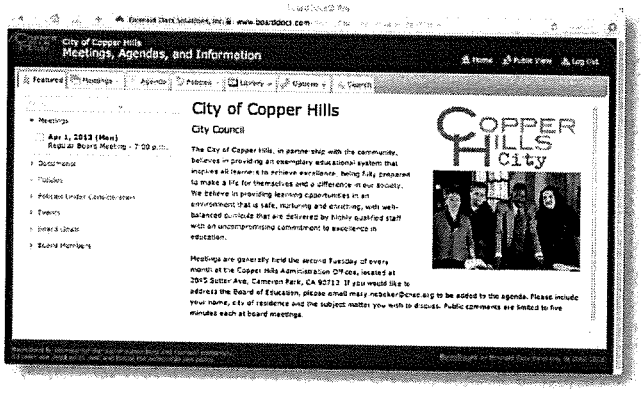


BoardDocs LT includes all of the following, and more:

- BoardDocs eAgenda Solution
- BoardDocs MetaSearch
- User-customizable, Cloud-based Publishing Interface
- Attach Virtually Any Type of Document to Agenda Items
- Audio and Video Playback Indexed by Specific Agenda Item
- Granular Ability to Withhold Sensitive Information from the Public
- Support for Web-based Policy Solutions
- 7 x 24, Secure, Power-redundant Hosting with Daily Backups
- Search Functionality for Consolidated Searches on Any Content
- Create and Save Draft Meetings
- Create and Publish Administrative-level Content
- Up to 10 Years of History with DVD Archiving beyond 10 Years
- User and Security Administration via People Manager
- XML Access to Public Data provides Dynamic Data for Existing Web sites
- Customized Printing of Agendas, Agenda Items and Meeting Packets
- Social Sharing via Twitter, Facebook and email
- On-site Training and 7 x 24, Toll-free, US-based Technical Support

BoardDocs Pro

BoardDocs Pro includes the most comprehensive suite of eGovernance tools available and will dramatically improve the way you manage packets, access information and conduct meetings.



BoardDocs Pro includes all LT features, in addition to:

- BoardDocs ePolicy Development and Publication Solution
- BoardDocs Library including Events, Strategic Goals and Customized Board Member Pages
- Integrated Board Goals Management and Tracking
- Separate, Customizable Packets for Board Members, the Administration and Public
- Private Document Annotations for Board Members
- Advanced Document Workflow with Support for Unlimited Number of Document Submitters
- Customizable Approval Process for Agenda Items
- Meeting Control Panel (MCP) to Display and Record all Board Actions During the Meeting
- Online or Manual Voting with Support for Virtually Any Type of Vote
- Automated Minutes Generation and Release
- Automated Public Score Board with Voting Results and Speaker Timer
- Customizable email Notifications
- "Follow Me" so Board Members Will Never Get Lost

New "Plus" functionality enables organizations with multiple public governing bodies to leverage BoardDocs to provide a separate, distinct and comprehensive suite of services to each group. For pricing and information about Plus, call us today!

Learn More! To see how BoardDocs can work for you, visit www.boarddocs.com or call (800) 407-0141.

What people are saying about BoardDocs®

"The ability to search agenda items and add attachments and supporting documentation on the fly, beats copying paper any day. Do your county a favor and get on board with BoardDocs."

Jerry W. Derr
Commission Assistant/Human Resource Director, Meade County, SD

"In the first year, our organization saved an estimated $25,000 in paper costs; the savings last year are believed to be more than $30,000!"

Sandra Smith
Clerk of the Board of Trustees, Sweetwater Union High School District, CA

"The software is very easy to use and makes board packet time so much easier and less stressful."

Christy Knapp
Senior Executive Assistant, Community Hospital, CO

"Boarddocs has completely changed the way we do business and has saved us thousands thus far!"

Teresa Johnson
Senior Office Administrator/Board Secretary, Mid-Continent Library, MO

"BoardDocs gives colleges and our own organization the chance to develop comprehensive agendas and meetings in an easy, transparent way. It's been a fantastic tool!"

Kimi de los Reyes
Director of District Services, Community College League of California

About BoardDocs

BoardDocs services are developed and marketed exclusively by Emerald Data Solutions™, Inc., the market leader and pioneer of eGovernance solutions. Serving more than 750 organizations nationwide, BoardDocs' paperless agenda services give governing bodies turn-key electronic solutions for processing virtually any type of governance document, including agenda items, supporting documents, policies, procedures and more. BoardDocs' services alleviate the enormous task of assembling, printing, distributing and revising board packets. BoardDocs' unique, state-of-the-art solutions also save money, reduce staff time, improve board effectiveness, increase transparency in governance and have a positive effect on the environment.

For more information or to arrange a demonstration, call (800) 407-0141 or visit us at www.boarddocs.com.

BoardDocs®
Your Paperless Governance Solution

This communication is printed on recycled paper, which contains post-consumer recycled material.

Save Money. Save Time. Make a Difference.

University Feedback

NovusAGENDA saves us about $4,000 each meeting in printing and distribution costs alone! I will never go back to paper.

Major Florida University

Agenda Software Cost for Meeting Management

Check out our Pilot Program

Low Cost, Great Software!

NovusAGENDA software cost includes an unlimited use license for as many users and meeting types as you need. All paperless meeting software costs are billed annually on one invoice for the year.

Meeting automation software costs are listed below. If your entity is not listed here please contact us for more information.

Municipal Government - Counties, Cities and Towns

Meeting automation software pricing for Municipal Government is based on population.

Organizations over 20,000 in population	$663/Month
Organizations under 20,000 in population	$413/Month

K-12 Education

Meeting automation software pricing for K-12 Education is based on number of Schools in the system.

Organizations 11 schools or over	$663/Month
Organizations 10 schools or under	$413/Month

Higher Education

Meeting automation software pricing for Higher Education is a flat rate for all organizations

All Higher Ed	$413/Month

Special Districts, Commissions, Agencies - all others

Meeting automation software pricing for other organizations is a flat rate for all organizations

All other organizations	$413/Month

How much do we spend today?

We often ask our potential clients if they know how much it costs today to manage their paper-based processes, and without exception the answer is "I have no idea." If you do not understand the costs of operating today, it will be hard to understand the value of changing to a new method. Our Cost Savings Analysis will give you a complete analysis of how much you will save.

See our Video that discusses cost savings for NovusAGENDA

What do I need to do?

Click on the link below and answer the simple questions, making sure to include your basic contact information. We will send you a Cost Savings Analysis tailored to your organization. The answers to our questions help us tailor the cost savings to your current process.

Armed with that information, you can quickly make an intelligent decision about whether or not NovusAGENDA will add value to your organization. This will take you less than 3 minutes to complete, and the result will be your ability to see the whole picture and decide if you need to spend more time finding automated solutions. It is that simple.

Meeting Management Solution

Novusolutions

10012 N. Dale Mabry Hwy
Suite 115
Tampa, FL 33618
Byron Gillin
bgillin@novusolutions.com
800-274-5624 Ext 703

Prepared For Arizona School Facilities Board

Date 1-14-15

EXECUTIVE SUMMARY

NovusAGENDA is a **proven** electronic solution designed to create, approve and track items for upcoming and past board meetings. Whether your organization is adding an agenda item, like the approval for a new employee benefit offering or the construction of a baseball field, NovusAGENDA will provide the controlled, well-organized systematic solution to truly make your organization paperless. With the NovusAGENDA foundation in place internally, your board members and public can now access the information they need on demand at any time from any device!

PROVEN SOLUTION

Proven Experience - NovusAGENDA has been serving hundreds of public sector clients for over 14 years with the same stable ownership. Our team can offer you great insight in rolling out meeting automation. Expertise is the key to success and no one has more experience than NovusAGENDA.

Proven Results - our free 90 day pilot program allows you to try NovusAGENDA before you buy it. Even though we are confident NovusAGENDA will meet your needs, isn't it nice to know we are happy to let your try it first, just to be sure?

Proven Technology - NovusAGENDA is built on Microsoft technology that is stable, reliable and widely used today by all sectors. Our platform remains 100% web based as it always has been. Our Cloud hosting rests on the Amazon Web Service backbone which is the most reliable platform available in the industry today.

Proven Features - NovusAGENDA has all the key functionality you need to automate your meeting process. We add features based on client feedback not based on whether it looks good on a slick marketing campaign. All the features in NovusAGENDA are proven to add value for our clients without adding unnecessary costs or complexity.

Proven Support - Our highly acclaimed support team is well trained and experienced in handling legislative management issues and to respond quickly and politely. You will never be looked down upon by some grumpy geek when you talk to our support team. They will listen and respond …period.

Proven Future – Technology changes quickly. Another great flexible feature is that any device is supported. As nice as the state of the art devices are such as the iPad, Galaxy Tab or Microsoft Surface there is no guarantee these devices will still be state of the art five years from now. Taking advantage of NovusAGENDA's browser-based, cloud-based platform will enable you to take advantage of the "latest and greatest" right now without risking obsolescence in a few short years.

NovusAGENDA is Proven.

Tools for the board member include:

- Logging in through a secure username and password on any device (i.e., iPads, PC, MAC etc)!
- Viewing agendas and all materials well before the meeting
- Viewing specific items along with support material including Closed Session items
- Making secure personal private comments on any item for their own purposes
- Researching past Agenda, Minutes and Personal Private Comments.
- Real time analytics on spending patterns and goal tracking
- Unique Dashboard designed to speed meeting preparation

NovusAGENDA has all the tools to automate the creation of your minutes, track and record voting, motions, and much more, such as video streaming indexed for you and your public. NovusAGENDA's unique reporting module empowers

your administrators with the data from your meetings to make data-driven decisions for the organization and track your progress along the way.

Novusolutions award winning staff brings over 15 years of experience working with hundreds of government NovusAGENDA clients across the country. Our support team will be an extension to your organization to offload all software management, training, and support, so you can focus on providing the public and board the transparency they demand. NovusAGENDA is the one comprehensive solution to make paperless meetings easy!

INSTALLATION

Our Cloud Computing partner is Amazon Cloud based Web Services, http://aws.amazon.com/. They offer world class cloud computing solutions with full 24 X 7 backup and reliable infrastructure designed for today's complex computing challenges.

Amazon Hosting
NovusAGENDA Application runs on EC2 servers.
http://aws.amazon.com/ec2/

Backups are run daily and stored on Amazon S3
http://aws.amazon.com/s3/

This option allows you to outsource the hosting of the software to Novusolutions. This is by far the most popular option in today's environment.

Self Hosting is available if needed. Contact us for more information.

DEPLOYMENT SERVICES

Standard services are required for deployment and included in the pricing and support.

Included Standard Deployment Services	
Configured Item Details	This screen is configured to add fields to our standard from required by your organization. This form is used to create items and can vary based on meeting type. YOU can have one item details page for planning and another for council meetings.
Configured Public Agendas	The public agenda is configured to mimic your current layouts. Agenda layout can vary based on meeting type.
Configured Minutes Page Set	The page set includes draft and final minutes layout. Minutes layout

	can vary based on meeting type.
Custom Workflows	Workflows can be pre-configured allowing users to simply submit items to named workflows which are then built for them automatically. Workflows can vary based on meeting type.
Solution Overview	This session is with key staff including Board Clerk, IT staff assigned to support the software and key Board Clerk staff. The session involves a complete system overview and workflow building session. This session is delivered prior to any other training so key staff are very familiar with the solution and the workflows are correct prior to staff training.
PDF converter	Attachments and agenda packets are converted to one single PDF file. PDF layout mimics the lay out of the minutes and agenda for that meeting type. We can also add page tamping to the PDF automatically.
Video Services	Do you already video record your meetings? If so, NovusAGENDA will offer you two meetings per month to be uploaded and streamed to the public off our servers at no additional cost. You take your existing video and simply upload it to our servers. Once it is converted, you can link clients to that video stream off your meeting. If you are looking for indexing or are starting from scratch and would like to record your meetings, please see our Video Service Considerations Section.

90 DAY PILOT PROGRAM

Novusolutions has agreed to offer you a 90 day pilot program of NovusAGENDA to confirm the cost and efficiency savings. Novusolutions is confident that NovusAGENDA will exceed expectations, eliminate paper, and improve the business process of agenda creation and meeting management. There will be no cost for the 90 day duration of this pilot.

Upon successful implementation of the pilot, you will then agree to continue using NovusAGENDA for the Pricing outlined below. However unlikely, if NovusAGENDA does not satisfy your needs, then no commitment is required and the service will be turned off.

The Approval Page of this document will need to be signed prior to beginning this agreement. This will allow Novusolutions to dedicate the resources to begin the project.

- You provide us copies of Agenda, minutes and departments with staff listings within 5 days of project start. In addition we can discuss your item review process as well in that first 5 days.
- We will fully deploy, train and test NovusAGENDA within 20 days of receiving your information.
- The Pilot will last a total of 90 days from project start to allow full testing of the software.
- Pilot program covers one meeting body but you can add others once you agree to move forward.

PRICING

All pricing includes an unlimited use license enabling support for as many meeting types as you need at no added license costs. There are no user licenses either. "Unlimited use" means unlimited use with NovusAGENDA.

NOVUSAGENDA SOFTWARE PRICING

Item	**Pricing (Annually)**
NovusAGENDA	$4,950
Minutes Module	Included
Board Portal	Included
Reporting	Included
Board and Committee management (Term Tracking)	Included
Video Integration	Included
Video Services	See Video Services Considerations
Total Annual Cost	**$4,950**
Option In Meeting Tools (Voting, etc.)	Additional $600 annually

NOVUSAGENDA TRAINING PRICING

Standard training services are required for deployment.

Standard Remote Training Services	**Description**
Administrator Training	This is remote training to train one or two system administrators on managing user rights in NovusAGENDA. This class is delivered remotely using web meeting technology managed by Novusolutions.
Board Clerk Training	Training including meeting management, agenda preparation, minutes and system oversight. Delivered remotely using web meeting.
User Training	Training includes creating items, copying old items to new meeting and item submission and approval process. Delivered remotely using web meeting.
Board Training	Training includes viewing agendas, minutes, and all documentation for upcoming meetings, making private notes, researching past meeting information and notes, and analyzing reports and meeting data. Voting can be added if the voting module is in place.
Web Based Training	Web-based training videos for all staff to view on demand via Internet. Videos include: • User training • Board Clerk Training • Board Training • Admin Training
Total One Time Cost	Waived for Pilot

OPTIONAL TRAINING SERVICES

Additional remote training – Included for new releases and refresher training. If retraining is needed due to turnover or other issues we also include a Web-Based Training Portal and regularly scheduled Client Webinars.

Optional Onsite training - $2,450 per day includes travel, 2-day minimum.

PRICING SUMMARY FOR NOVUSAGENDA

	One Time Fee	Annual Fee	*TOTAL*
NovusAGENDA	Waived for Pilot	$4,950	$4,950
Add On Options:			
In Meeting Tools (Electronic Voting, Request to Speak, In Meeting Public Display, Item highlight for board)		$600	
Laserfiche Integration maintenance.		$600	
Onsite Installation (Only needed if Active Directory Integration is required)	$3,450		
Onsite Training (Not required as unlimited remote training options included)	$2,450 per day including travel. 2 day Minimum.		
TOTAL INVESTMENT YEAR 1			$4,950
NovusAGENDA Including:			
• Remote Training			
TOTAL INVESTMENT YEAR 2			$4,950
NovusAGENDA			

TOTAL INVESTMENT YEAR 3	$4,950

NovusAGENDA

There are NO long term contracts to sign with NovusAGENDA.

Payment Terms – Payment is due at the end of the successful pilot term. You will be invoiced at the end of the 90 day successful pilot.

VIDEO STREAMING SERVICES CONSIDERATIONS

The pricing above includes the option for clients to upload the existing video of their meetings to our servers and create a link to those videos on their agendas and minutes in NovusAGENDA (limit of 2 meetings a month). However, many clients require additional video services. NovusAGENDA provides state of the art video streaming technology and services completely hands-free! Contact us for pricing on hardware and the video streaming services that best fit your needs. These video services can be added at any time!

PROPOSAL TERMS AND CONDITIONS

LIMITATION OF LIABILITY

IN NO EVENT SHALL EITHER PARTY BE LIABLE TO THE OTHER UNDER THIS LICENSE AGREEMENT FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT, PUNITIVE OR SPECIAL DAMAGES, LOSS OF DATA, LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION OR LOSS OF BUSINESS INFORMATION ARISING OUT OF THE USE OF OR INABILITY TO USE THE NOVUSAGENDA SOFTWARE, EVEN IF SUCH PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE MAXIMUM LIABILITY UNDER THIS AGREEMENT IS THE TOTAL VALUE OF THE ANNUAL CONTRACT.

OWNERSHIP OF DATA

The client owns all data stored in their NovusAGENDA data base from the instant you touch the keyboard. In the event the client terminates service or NovusAGENDA ceases business operations the data will be sent to your organization along with database schema to make the data accessible. All data is stored in an MSSQL database and also can be accessible on demand anytime by using the included NovusAGENDA Reporting Module.

PRICE TERMS

The pricing in this proposal is set for three years. Even though there is no contract or commitment to sign with NovusAGENDA, we want our clients to have budget security on this project. If a price increase is needed for any reason, the client will be notified more than a budget year in advance of the increase and would be no more than the CPI (Consumer Price Index) for the period.

Services are billed annually. All invoices are due within 30 days of issue date.

PAYMENT TERMS

NovusAGENDA is proud of our client retention rates. Therefore we do not require clients to sign long term contracts. All projects are billed annually to eliminate the high cost of invoicing, processing, and collections from both the vendor and the clients end every month. If the client cancels at any time, any unused funds would be returned. A 30 day notice is required.

If monthly billing is attractive to the client, there will be no charge if a credit or procurement card is used. Automatic electronic drafts or deposits are also fine. If traditional invoices and collections need to be instituted, a 5% fee will be added to cover this expense.

INSURANCE

Novusolutions carries full insurance and can offer certificate of insurance with your organization named on it at no cost. If your organization requires further insurance endorsements added costs may be charged to cover the cost of those documents because carriers charge added fees for those services.

The COI we provide will cover General, Automotive, Umbrella and Technology Errors & Omissions & Privacy Security Liability plus Workers Compensation coverage.

OTHER TERMS

NovusAGENDA is offered with a free pilot program so additional performance bonds or other such instruments are not needed to insure successful delivery. No payments are required until clients complete the pilot cycle.

NovusAGENDA carries commercial general liability insurance of $1,000,000 that should be more than enough to cover risk for this SaaS solution. The cost for any additional insurance or bonds required by a client will be passed onto the client.

In lieu of escrow accounts NovusAGENDA will agree to provide a full unlimited use licensed copy of the software to any client in the event NovusAGENDA ceases operations.

All data is backed up in our Amazon cloud daily and kept in redundant locations. If clients require copies of data backups these can be provided quarterly at an additional fee. Contact NovusAGENDA sales team for costs.

HOW DO I ORDER?

We require your signature on the approval page listed below. Once that has been signed and sent back to Novusolutions we will assign your project manager. If you choose to issue a purchase order you may attach it to these documents or send it in under separate cover.

You can email to sales@novusolutions.com or :

Mail to: Novusolutions, 10012 N Dale Mabry Hwy, Suite 115, Tampa, Florida 33618-4425

Fax to: 954-337-0761 Attn: Sales

APPROVAL PAGE

Arizona School Facilities Board hereby agrees to proceed with the project, initiating with the Pilot project described above and, following a successful Pilot cloud implementation, will move forward with NovusAGENDA. If the pilot is not successful, there is no cost or obligation.

In order to proceed with the Pilot implementation, this Authorization must be signed, which will initiate assignment of personnel to begin the Pilot project. After the successful pilot, please choose which option you will prefer to deploy (not binding as you can change your mind).

OPTIONAL COMPONENTS: Please check any options to be included.

- ☐ NovusAGENDA in Meeting Tools (Voting, request to speak, etc.)
- ☐ NovusAGENDA Video (Hardware may need to be purchased based on Package chosen)

The Pilot duration will be 90 days and will include the deployment, training, consultation and test meetings. At the end of 90 days you will be invoiced for the cost listed above and then decide if you want to proceed.

Signature Date

_____

Printed Signature

Purchase Order Number _____ (optional)

Invoice Address:_____

Accounts payable contact: _____

Phone _____

E-mail _____

STATE OF ARIZONA
SCHOOL FACILITIES BOARD

Meeting Date: February 4, 2015 **Agenda Item IV.b.**

Subject: IV. Director's Report (action of the Board may be requested)
b. Policy Review – III. SFB Capital Plans

The proposed changes below are due to legislative changes to statute and the requirement to review SFB policies every four years. They will be posted on the SFB website for public comment and will be brought back to the Board at the next regularly scheduled meeting.

Proposed changes

1. Removal of two and three year funding window language
2. Update various website/exhibit references and links
3. Removal of all references to specific school districts
4. Addition of statutory reference regarding Accommodation Districts (Section L)

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

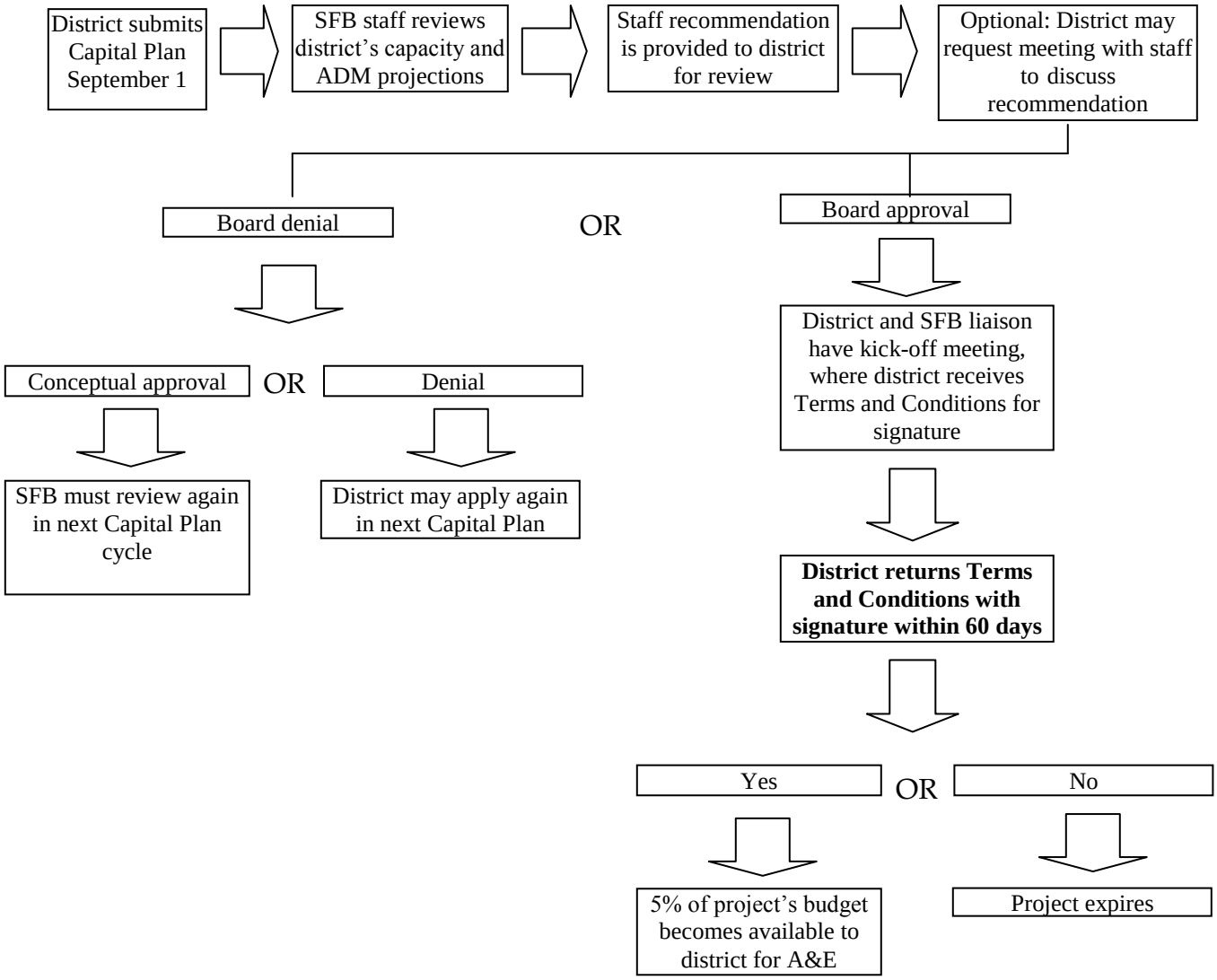
Attachments: Yes [X] No [ ]

III. SFB Capital Plans

Per A.R.S.§41-1091.B: This substantive policy statement is advisory only. A substantive policy statement does not include internal procedural documents that only affect the internal procedures of the agency and does not impose additional requirements or penalties on regulated parties or include confidential information or rules made in accordance with the Arizona Administrative Procedure Act. If you believe that this substantive policy statement does impose additional requirements or penalties on regulated parties, you may petition the agency under A.R.S.§41-1033 for a review of the statement.

Per A.R.S. §15-2041, a district is eligible for new construction if ADM projections indicate that the district will fall below minimum square footage guidelines ~~within two~~in the current year~~s for an elementary school, or three years for a middle or high school~~. The ~~SFB may~~ size of the award is based on the amount of square footage needed within one to five years for an elementary school, and within four to eight years for a middle or high school.

New Construction Process (Modified September 6, 2007 and August 14, 2008)



A. Process and Procedures for Reviewing New Construction Requests Received Through Capital Plans (Adopted February 2000, Modified August 14, 2008)

A.R.S. §15-2041 provides for district governing boards to develop and annually update a capital plan. If the capital plan indicates a need for a new school or an addition to an existing school within the next four years, the district is to submit the plan to the School Facilities Board (See *SFB website, ~~www.azsfb.gov~~https://sfb.az.gov, District ~~Information~~Access, Annual Reporting*).

- District Submittal: Districts submit Capital Plans on September 1 with ADM/enrollment information, a description of the projects requested, a description of projects planned with local funds, and information regarding parcels of land owned by the district. This packet is the basis for staff consideration and recommendations to the Board for new school and/or additional space funding ~~within the current funding window (two years for elementary schools and three years for middle or high schools)~~.

- Staff Review: Staff reviews ~~and verifies~~ the district's student population projections ~~or~~ and develops a separate set of ADM projections. Staff verifies residential development via ~~site visits, aerial photos, and/or~~ discussions with development specialists and analysis of demographic data~~.~~ to ~~Staff~~ prepare~~s~~ a New Construction Analysis for each district submitting a~~n~~ ~~application~~request.

- Board Approval: Staff recommendations are presented to the Board for ~~approval~~consideration. At the time the Board is making its decision, the New Construction Analysis is available to the Board members and the applicant district. The applicant district may address the Board.

- District Notification: Upon approval by the Board, staff notifies the applicant district of the action. A kick-off meeting is scheduled with the district's liaison at which the Terms and Conditions are provided to the district. The district has 60 days from the date of ~~notification~~ receipt to officially accept, in writing, funding for the square footage approved by the Board or the approval expires. Acceptance of the funding is signaled by agreement with the Terms and Conditions ~~(see *Exhibit IV. A*, for Terms and Conditions)~~.

B. Calculation of Student Capacity (Modified September 6, 2007, August 14, 2008, and November 4, 2009, November 2, 2011)

Abbreviations:
ADM = Average Daily Membership
SF = Square Footage
MAGSFPP = Minimum Adequacy Guidelines Square Footage per Pupil
DSFPP = Design Square Footage per Pupil
SFB = School Facilities Board

ADE = Arizona Department of Education

To calculate student capacity, the building's square footage is divided by the minimum square footage per pupil established in A.R.S. §15-2011, or the square footage divisor established in the Working Definition of Student Capacity (outlined in B.1. below, Pre-SFB schools). As the table below shows, these factors vary based on district size and configuration. The factor used to calculate capacity of a building remains unchanged into the future unless the building's use or configuration changes. Capacity of a building does not change based on changes in ADM.

Configuration	SF Divisor	MAGSFPP	DSFPP[a]
P-6	85	80	90
7-8 <= 800	100	84	100
7-8 > 800	100	80	100
9-12 <= 400	129.5	125	134
9-12 (401-1000)	127	120	134
9-12 (1001-1800)	123	112	134
9-12 > 1800	109.5	94	125
K-8 w/ 7-8<=800	88.5	80.9	92.4
K-8 w/ 7-8>800	88.5	80	92.4
6-8 w/ 7-8>800	95	80	96.67
6-8 w/ 7-8 <= 800	95	82.7	96.67

[a] For K-8 schools awarded in FY 2009, the DSFPP was 92.2 (the calculation treated a kindergarten student as one whole student for ADM purposes vs. one-half). In FY 2010, the law reverted the methodology back to recognizing kindergarten students as one-half, thereby changing the calculation again.

1. Pre-SFB schools

Capacity of a pre-SFB school is determined by dividing the square footage by the square footage divisor established in the SFB Working Definition of Student Capacity (outlined below). The district's FY 98 ADM as provided by ADE is used to determine which divisor is appropriate.

Working Definition of Student Capacity (Adopted February 1999)

Elementary Grades P-6
FORMULA: (TGSF - ES - .1ICB) / ((MAGSFPP + DSFPP) / 2)

Middle Grades 7-8
FORMULA: (TGSF - ES - .1ICB) / 100

High School Grades 9-12
FORMULA: (TGSF - ES - .1ICB) / ((MAGSFPP + DSFPP) / 2)

- TGSF - total gross square footage
- ES - excludable spaces
- ICB - interior corridor buildings
- MAGSFPP - minimum adequate gross square footage per pupil
- DSFPP - design square footage per pupil

Staff may prorate the mathematical formula to account for differing grade configurations. Districts have the option to reject the mathematical calculation and request to be placed on the agenda for consideration of student capacity based on atypical space adjustment or atypical school analysis. Generally, atypical spaces are unusual spaces for the size and type of school that have a permanent impact on the ability of the physical school to serve the mathematically derived student capacity. Examples of atypical spaces are excessive interior circulation or an elementary school gymnasium. If the school district rejects the mathematical calculation of student capacity, staff will work with the district to prepare a recommendation for the Board using the atypical space adjustment methodology or atypical school analysis. The Board may consider remodeling of these spaces. The Board may accept, reject, or modify the staff recommendation.

2. Square Footage Funded with Class B Bonds or Unrestricted Capital Outlay Funds
(Adopted October 1999. Modified February 3, 2000 by adding unrestricted capital outlay monies. Modified August 14, 2008)

a. When a district adds square footage with the use of Class B bonds or unrestricted capital outlay monies, the square footage is not included in the capacity calculation, **unless it exceeds 25% of the minimum square footage requirements per A.R.S. §15-2011.E.6.,** but the Board does consider additions to existing schools for purposes of determining adequacy of the functional components of the school as specified in the Minimum School Facility Guidelines. If total square footage added to a district with the use of Class B bonds or unrestricted capital outlay monies exceeds 25% of the minimum square footage requirements per A.R.S. §15-2011.E.6., the student capacity of the square footage is based on the statutorily prescribed minimum guidelines square footage per pupil.

b. Replacement square footage constructed with Class B bonds or unrestricted capital outlay monies is included in the capacity calculation. If Class B bonds or unrestricted capital outlay monies are used to replace part of an existing school, the student capacity of the facility is determined in the same manner as it would have been determined prior to the replacement. If Class B bonds or unrestricted capital outlay monies are used to construct a complete replacement school, the student capacity of the facility is based on the statutorily prescribed minimum guidelines square footage per pupil.

Staff note (3/17/00) regarding Unrestricted Capital Outlay: Unrestricted Capital Outlay became a part of the capital outlay section of a district's budget beginning with FY 2000. Therefore, square footage constructed with Unrestricted Capital Outlay will apply only to those projects begun on or after July 1, 1999.

3. Square Footage Funded with Class A Bonds (Adopted September 1999)
~~When a district replaces or adds s~~Square footage built using Class A bonds~~, the School Facilities Board does~~ is included in the new square footage in the capacity calculation for the district. Capacity of the square footage is calculated based on the SFB Working Definition of Student Capacity (outlined in B.1. above)

4. SFB-funded Replacement Schools:

SFB-funded replacement schools that were built under the Deficiency Corrections Program or the rush program are treated the same as pre-SFB schools. The square footage is divided by the appropriate square footage divisor.

5. SFB-funded Growth Schools:

Capacity of a SFB-funded growth school is determined by dividing the square footage by the MAGSFPP as prescribed in A.R.S. §15-2011. MAGSFPP is based on the capacity of the district at the time the school opens.

For example:

~~The~~ ~~Balsz~~ An Elementary District had four K-8 schools prior to Students FIRST, and received an SFB award for a core K-8 school in FY 02. At the time of the award, the district already had capacity for more than 800 7-8th graders (347,768 SF * 2 / 8.5 / 100 = 818). Even though the district's 7-8 population still had not crossed the 800-student threshold at the time the core school opened, the district had capacity for more than 800 7-8th graders. So the capacity of the core school is based on the MAGSFPP that applies to districts with more than 800 7-8th graders (80) versus that which is used for a district with less than 800 7-8th graders (80.9).

~~The Maricopa Unified District has been approved for a new high school to open in FY 09. When the school opens, the district will have a high school capacity in excess of 1,800. Therefore, the capacity of this school is based on the MAGSFPP that applies to districts with more than 1,800 students (94).~~

Schools that Span Multiple Grade Configurations

To determine capacity of a school that spans grade levels, an even distribution among grade levels is assumed (unless otherwise noted). Kindergarten counts as one-half.

For example~~:~~.

~~The Mesa Unified School District is generally configured K-6, 7-9, and 10-12. Some of their facilities span two or more of these grade levels. SHARP School serves grades K-12. This is a total of 12.5 grades.~~ Square footage of a K-12 facility in a district that is generally configured K-6, 7-8 and 9-12 is pro-rated as follows:

K-6 = 6.5/12.5
7-~~8~~9 = 2~~3~~/12.5
9~~10~~-12 = 4~~3~~/12.5

The resulting square footages are then divided by the appropriate divisors for the different grade levels.

C. Capacity of a Core Facility

Even though the district is funded to build 65% of the entire school, staff only uses 50% of the square footage against the district in the capacity analysis. Another way to explain this method is to multiply one-half of the number of students by the design square footage for that grade level.

Note: In August 2003, the board voted to discontinue approval of core schools.

D. Build-out of Core Schools (Adopted April 2003)

A district must be approved to build out a core school prior to the Board approval of a new school for the same grade configuration.

~~Note: In August 2003, the board voted to discontinue approval of core schools.~~

E. Excludable Spaces (Adopted December 1998, Modified August 14, 2008)

For purposes of determining student capacity, the square footage at a school site used solely for district administrative purposes may be excluded from the gross square footage.

F. Reduction of Square Footage (Adopted November 4, 2009, November 2, 2011)

Statute provides two ways to remove square footage from the database:

1. School Building that has outlived its useful life (A.R.S. §15-2041.G)

The district requests staff to review the space to see if it is no longer functional because it has outlived its useful life. If staff agrees with the district that the space is no longer functional, that recommendation will be presented to the Board for ~~approval~~consideration. If the Board approves the staff recommendation, the space is removed from the database. The district's capital plan is then analyzed without the removed space. Additional square footage is only approved if the district falls below minimum square footage guidelines within the current ~~funding window~~year. This is not considered replacement space.

If staff does not agree with the district that the space is no longer functional, staff shall inform the district of its determination. Staff shall inform the district that the final decision rests with the Board. Therefore, the district may request that staff present the district's request and its recommendation to deny such request to the Board for its decision.

2. District reduction of square footage (A.R.S. §15-341.G)

The statute requires the district governing board to obtain Board approval prior to taking any action that would reduce pupil square footage. A reduction of pupil square footage includes demolishing or selling a school building or school site, or changing a building's grade configuration. Pupil square footage is defined as space that generates student capacity for a district. Excluded space does not generate capacity, and therefore Board approval is not required for the reduction of excluded space.

To request a reduction of square footage, the district submits a letter to ~~its School Facilities Board Liaison. The letter must~~ the SFB identifying the building(s) using the four-digit building number(s) as assigned in the Districtwide Building ~~Preview~~ Report (Building Inventory), and explains why the district wishes to remove or reconfigure the space. This letter must be accompanied by a district governing board resolution requesting the change.

An analysis and recommendation will be presented to the Board. Some criteria that staff and the Board may consider when making its decision include:

- Long-term cost benefit to the State
- Shifting demographics within the district
- Age of the building(s)
- Effect of the reduction of square footage on the district's ability to meet the minimum guidelines within the analysis timeframe
- Any other circumstances specific to the district

Staff will notify the district of the Board's decision in writing.

G. Definition of Administrative Purposes (Adopted August 1999, Modified August 14, 2008)

This section applies to the publicity pamphlet for Class B Bond, Impact Aid Revenue Bond, and Capital Override elections. A.R.S. §15-481 and §15-491 require the publicity pamphlet to be mailed to each qualified elector in the district no later than thirty-five days before the election, and to contain:

- An executive summary of the district's most recent capital plan submitted to the School Facilities Board. ~~(See *Exhibit II. A.* for the Capital Plan Executive Summary format).~~
- A complete list of each proposed capital improvement that will be funded with the budget increase or bonds and a description of the proposed cost of each improvement, including a separate aggregation of capital improvements for administrative purposes as defined by the School Facilities Board.

For the purposes of A.R.S. §15-481.B.12.(b), §15-491.H.6.(b), and §15-491.I.4.(d) "administrative purposes" means solely district administrative purposes.

H. Districts included in Rural Area (Adopted March 1999, Modified August 14, 2008, November 2, 2011)

The Students FIRST legislation provides a square footage per pupil and a base cost per square foot for new construction. The base cost per square foot was originally established in A.R.S. §15-2041.D.3.c at the following levels:

Grade Level	Cost per Square Foot
Pre-school w/ disabilities; K-6	$90
7-8	$95
9-12	$110

These costs are to be adjusted for inflation by the JLBC at least once per year.

The statute then states, "The school facilities board shall multiply the cost per square foot by 1.05 for any school district located in a rural area. The school facilities board may only modify the base cost per square foot prescribed in this subdivision for particular schools based on geographic conditions or site conditions. For the purposes of this subdivision, "rural area" means an area outside a thirty-five mile radius of a boundary of a municipality with a population of more than fifty thousand persons." ~~according to the most recent United States decennial census."~~

Staff worked with the State Land Department to determine which districts would be categorized as rural. Based on the 2010 census (the most recent United States decennial census), sixteen Arizona cities had populations in excess of this threshold: Avondale, Buckeye, Chandler, Flagstaff, Gilbert, Glendale, Goodyear, Lake Havasu, Mesa, Peoria, Phoenix, Scottsdale, Surprise, Tempe, Tucson and Yuma. City boundaries were determined as of 2011 and radii were plotted from these boundaries. If a district's boundary was outside the radius, it was deemed to be located in a rural area. Districts near Arizona's borders may be affected by municipalities in bordering states. A table of Rural vs. Urban districts is provided ~~in *Exhibit II. B.*~~on the SFB website.

I. Geographic Exception (Adopted December 2000, Expanded January 2006)

In those public districts where students are transported one hour or more via the most reasonable and direct route or where students reside 45 miles or more from the closest school via the most reasonable and direct route, and where 100 or more students are affected by these conditions within the same region, the School Facilities Board will provide additional school space to the district to accommodate the educational needs of the affected students. However, the educational space provided may be modified as the Board sees fit in making a conscientious effort to meet the Minimum School Facility Guidelines without requiring extraordinary expenditures of public funds.

If an elementary district that is not in a high school district unifies after June 30, 2005, the resulting unified district may qualify for high school space under A.R.S. §15-2041, if it meets the following criteria:

- The elementary district unifies after June 30, 2005, and
- The resulting unified district is projected to have more than 350 resident high school students being served in districts other than the student's resident district within the three-years following the current fiscal year, and
- One of the following is true:

  At least 350 of the high school students would travel for at least 20 miles to the receiving school facility,

  Or

  The district that is expected to receive the majority of the projected resident high school students is projected to need additional high school space within seven years. For purposes of this analysis, the projected ADM of the receiving district should include the high school students of both the receiving and sending districts.

J. New Construction Award Cancellations (Adopted February 2005, Modified August 14, 2008, Modified March 7, 2012)

This policy allows districts the opportunity to cancel a project if a district becomes aware that an approved new construction project will not be constructed for some time. The recommended cancellation process is as follows:

- The district may request the cancellation of that project in their annual capital plan. Staff will review the request and make a recommendation to the Board.

- ~~The square footage associated with the project that the district is requesting to be cancelled will be included in the review of the capital plan that includes the cancellation request.~~

- If the cancellation of the project will leave the district below the minimum square footage guidelines ~~within the statutory 2- or 3-year window~~in the current year, the project will not be eligible for cancellation.

- The district can request the reestablishment of the project in any capital plan subsequent to the cancellation. Districts may not seek to cancel and reestablish the same project in the same capital plan.

- If the project is reestablished, it will be awarded at the current cost per square foot.

- ~~Any funds distributed for a project that is ultimately cancelled will be deducted from the award of the next project of the same configuration.~~

K. Conceptual Approval of New Construction Projects (Modified August 14, 2008)

Staff's new construction analysis covers an eight-year window. If the analysis indicates that the district will need additional square footage within the eight-year window, but beyond the current ~~funding window~~fiscal year, staff recommends conceptual approval for additional square footage. There is no commitment of funding for a conceptually approved project. Conceptual approval is simply an acknowledgement by the Board of anticipated new construction needs based on current assumptions regarding future enrollment in each district, and gives districts a basis for beginning the land acquisition process.

Each year the prior year's conceptual approvals become the basis for updating new construction requests from the district as part of the new capital plan cycle. The forms are made available to districts in late summer, with instructions to update new construction requests based on the latest enrollment information, and other pertinent data (See SFB website, ~~www.azsfb.gov~~https://sfb.az.gov, District ~~Information~~Access, Annual ~~Reports~~Reporting).

L. Accommodation Districts (Adopted November 9, 2005, Modified August 14, 2008)

~~In approving new construction projects for Accommodation Districts, the Board requires a detailed needs assessment based on available data prior to award.~~
Effective September 12, 2013 (2013 Ariz. Sess. Laws, 1st Spec. Sess., Ch. 3, § 42 (House Engrossed HB 2003), Accommodation Districts are not eligible for monies from the New School Facilities fund.

M. Dissolution or Consolidation of a District with a SFB Project (Adopted September 4, 2008)

If a district that either dissolves or consolidates with another district has a SFB project that has not started construction, that project terminates on the date of dissolution or consolidation. Staff will provide a report to the Board of any expenditures made on the project prior to termination. If the succeeding district that governs the geographical space previously governed by the dissolved or consolidated district is awarded a project of the same grade configuration within 24 months of project cancellation, any expenditures on the cancelled project ~~shall~~ may be deducted from the dollars awarded for the new project.

STATE OF ARIZONA
SCHOOL FACILITIES BOARD

Meeting Date: February 4, 2015 **Agenda Item IV.c.**

Subject: **IV. Director's Report (action of the Board may be requested)**
c. Legislative/Budget Update

The first regular session of the 52nd Legislature opened on January 12, 2015. Staff is tracking a number of bills and will provide information to the Board throughout the session.

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

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

School Facilities Board
2015 Arizona Legislative Regular Session

Bill Tracking List

This update / printing: 1/28/2015

1st TIER PRIORITIES 4 Bills

1065 School Facilities: Guidelines; Projects

Provisions:

The School Facilities Board is required to review and update the minimum school facility adequacy guidelines at least one every three years and must consider any recommendations submitted by a group of at least ten school districts that may be organized to advise the Board on these guidelines. Project submitted by school districts that do not meet the requirements of a primary building renewal project must be placed on a Board meeting agenda with a recommendation to deny the project and the reasons for the recommendation. The Board is required to include denial information in its annual report to the Governor and the Legislature and to post the information on its website.

Legislative Staff Fact Sheet Excerpt(s):

Purpose

Modifies the timeline and review of School Facilities Board (SFB) rules regarding minimum school facility adequacy guidelines. Establishes new requirements for prioritizing and denying Building Renewal Grant Fund (Fund) project requests....

There is no anticipated fiscal impact to the state General Fund associated with this legislation.

Provisions

1. *Requires the SFB to review and update minimum school facility adequacy guidelines at least once every three years.*
2. *Requires the SFB to consider any recommendations on minimum school facility adequacy guidelines that are submitted by a group of at least 10 school districts that may be organized to advise the SFB.*
3. *Eliminates the requirement that a school district provide matching funds in order for a building renewal grant project request to be prioritized.*
4. *Requires the SFB to place project requests submitted by school districts that do not meet the requirements of a primary building renewal grant on a meeting agenda with a recommendation to deny the project and reasons for the recommendation.*
5. *Requires the SFB to annually post, no later than October 15, a list of proposed project requests that were denied because the projects did not meet the requirements of a primary building renewal project.*
6. *Requires the SFB to include a summary of primary building renewal project request denials in its annual report.*
7. *Makes technical and conforming changes.*
8. *Becomes effective on the general effective date.*

Prepared by Senate Research / January 20, 2015 / MS/ls

Introducing Sponsor: Senator Dial

Staff Comments: See attachment A.) Briefing Paper on SB1065.

Progress:

1/15	assigned to Senate Education Committee
1/22	Senate Education Committee recommended Do Pass

Bill Tracking List

This update / printing: 1/28/2015

1074 Unused School Facilities: Sale: Lease

Provisions:
If a school district decides to sell or lease a vacant and unused building or portion of a building, the district cannot prohibit a charter school from negotiating to buy or lease the property in the same manner as other potential buyers or lessees. School districts are required to attempt to obtain the highest possible value under current market conditions for the sale or lease of the building or portion of the building.

Legislative Staff Fact Sheet Excerpt(s):
Purpose

Prohibits school districts from restricting a charter school from negotiating to buy or lease vacant and unused buildings or portions of buildings in the same manner as other potential buyers.

Provisions

1. Prohibits a school district, if that district decides to sell or lease a vacant and unused building or portion of a building, from restricting a charter school from negotiating to buy or lease the unused property in the same manner as other potential buyers or lessees.
2. Requires school districts to attempt to obtain the highest possible value under current market conditions for the sale or lease of the vacant and unused building or portion of a building.
3. Becomes effective on the general effective date.

Prepared by Senate Research / January 26, 2015 / MS/BP/ls

Introducing Sponsor: Senator Ward

Staff Comments: *SFB will be following the legislative progress of this Bill because it could have implications on a school district's ability to absorb projected student growth. SFB Staff is developing an analysis of the magnitude of the numbers of unused facilities and their geographic distribution.*

Progress: 1/20 assigned to Senate Education Committee

School Facilities Board
2015 Arizona Legislative Regular Session

Bill Tracking List

This update / printing: 1/28/2015

1077 Child Care Facilities: SFB Guidelines

Provisions:
Child care facilities that provide services utilizing the practice of a documented educational philosophy including least restrictive environment are no longer permitted to incorporate the minimum school facility adequacy guidelines when selecting a facility.

Legislative Staff Fact Sheet Excerpt(s):

Purpose

Removes language from statute added last year to *build a bridge* between two bills.

Provisions

1. Eliminates the ability of certain child care facilities to incorporate SFB guidelines when selecting facilities.
2. Makes technical and conforming changes.
3. Becomes effective on the general effective date.

Prepared by Senate Research / January 23, 2015 / AW/ls

Introducing Sponsor: Senator Yee

Staff Comments: *SFB approached Senator Yee to run this Bill, after discussing its need with former Senator John McComish, the sponsor of the McComish Amendment to Senator Yee's SB1102 during last year's Session. See the attached Background Paper for details, prepared in advance of the Senate Staff's Fact Sheet.*

Progress: 1/20 assigned to Senate Health & Human Services Committee
1/28 on Committee Hearing Agenda

2181 Schools: Omnibus Statutory Repeals

Provisions:
Repeals numerous statutes relating to schools, including repealing statutes requiring school district governing boards to adopt policies to promote parental involvement in schools, policies governing requirements for student participation in extracurricular activities, policies to provide notice to students and employees before pesticides are applied on school property, and to develop a vehicle fleet plan.

Legislative Staff Fact Sheet Excerpt (s):
Fact Sheet not yet published as of 1/28/2015

Introducing sponsor: Rep. Boyer

Staff Comments: *SFB primary concern is with provision to repeal §15-342.01 School Districts: roof inspection protocol. This provision was passed into Law in the aftermath of two catastrophic roof collapses at schools caused by over-loading by replacement air conditioning units that did not have clearance from a registered structural engineer that the additional loading could be supported by the existing roof structure. The school districts involved, and the State of Arizona, were lucky that these collapses did not occur while the spaces under those roofs were occupied by students and teachers.*

This is a grave safety issue. Repealing this provision does admittedly add some cost to the equipment replacement project, but it is money well spent, if it prevents future catastrophic structural collapse. Staff also is concerned with the potential health liability risk to the districts and the State of not providing existing notification of pesticide applications at or near schools. The existing Statutes affected are: §15-152. Pest management at schools; notice; §32-2307. Pesticide applications at schools and child care facilities; notifications; exemptions; and Environmental Protection Agency standards for health and safety related to pesticide applications.

Progress: 1/22 assigned to House Education

School Facilities Board
2015 Arizona Legislative Regular Session

Bill Tracking List

This update / printing: 1/28/2015

2nd TIER PRIORITIES 5 Bills

2077 Study Committee: School District Funding

Introducing sponsor: Rep. Petersen
The SFB will monitor the progress of this Bill for any indication that it might have implications for facility expansion and / or maintenance.
Progress: 1/21 HELD in House Education

2199 Schools; Class Size Reduction Grants

Introducing sponsor: Rep. Sherwood
The SFB will monitor the development of this Bill for any indication that additional classroom space might be required in some instances.
Progress: no action

2297 State Agency Rulemaking: Restrictions

Introducing sponsor: Rep. Farnsworth
On the SFB Watch List because of possible effect on our 5 Year Rule Review requirements
Progress: 1/27 assigned to Government & Higher Education | House 1st Read

2390 Schools: Expenses: Classroom Funding

Introducing sponsor: Rep. Lawrence
"Nonclassroom expenses" are not defined at the ARS citation quoted §41-1279.03. A clear definition is necessary in statute. If it is contained in the Rules, Policies, or Procedures promulgated by the Office of the Auditor General, the statutory definition ought to be in conformity and readily retrieved.

§41-1279.03. Powers and duties

A. The auditor general shall:

9. Beginning on July 1, 2001, establish a school-wide audit team in the office of the auditor general to conduct performance audits and monitor school districts to determine the percentage of **every dollar spent in the classroom** by a school district. The performance audits shall determine whether school districts that receive monies from the Arizona structured English immersion fund established by section 15-756.04 and the statewide compensatory instruction fund established by section 15-756.11 are in compliance with title 15, chapter 7, article 3.1. The auditor general shall determine, through random selection, the school districts to be audited each year, subject to review by the joint legislative audit committee. A school district that is subject to an audit pursuant to this paragraph shall notify the auditor general in writing as to whether the school district agrees or disagrees with the findings and recommendations of the audit and whether the school district will implement the findings and recommendations, implement modifications to the findings and recommendations or refuse to implement the findings and recommendations. The school district shall submit to the auditor general a written status report on the implementation of the audit findings and recommendations every six months for two years after an audit conducted pursuant to this paragraph. The auditor general shall review the school district's progress toward implementing the findings and recommendations of the audit every six months after receipt of the district's status report for two years. The auditor general may review a school district's progress beyond this two-year period for recommendations that have not yet been implemented by the school district. The auditor general shall provide a status report of these reviews to the joint legislative audit committee. The school district shall participate in any hearing

scheduled during this review period by the joint legislative audit committee or by any other legislative committee designated by the joint legislative audit committee.

Progress: no action

2483 School Tax Credit: Classroom Expenses

Introducing sponsor: Rep. Livingston
Same note as above

Progress: no action

3rd TIER PRIORITIES 2 Bills

2353 School Districts: Unification

Introducing sponsor: Rep. Lawrence
The SFB will monitor the progress of this Bill and analyze possible implications for facilities management

Progress: 1/26 assigned to Education
1/27 House 2nd Read

2424 Schools: Regional Service Centers

Introducing sponsor: Rep. Coleman
The SFB will monitor the progress of this Bill and analyze possible application for facilities management and maintenance benefits to smaller school districts, especially in rural counties.

Progress: no action

School Facilities Board
2015 Arizona Legislative Regular Session

Bill Tracking List

This update / printing: 1/28/2015

Watch List of Possible Strike Everything Vehicles — 12 Bills

1043 Tech Correction: State Lands
2017 Tech Correction: State Land
2018 Tech Correction: State Facilities
2055 Tech Correction: School Bonds
2191 Tech Correction: Private Schools
2192 Tech Correction: Student Status Guidelines
2193 Tech Correction: Common School Districts
2194 Tech Correction: School District Boards
2195 Tech Correction: County School Superintendent
2196 Tech Correction: Environmental Education
2226 Tech Correction: Budget Estimates
2447 Tech Correction: Bond Election

Digest of Bills on SFB Watch List

1st Tier Priorities	4 Bills
2nd Tier Priorities	5 Bills
3rd Tier Priorities	2 Bills
Possible Striker Vehicles	12 Bills
Other Bills relating to "schools"	26 Bills
TOTAL COUNT OF BILLS	49
Count of Bills Introduced as of Jan. 28, 2015	828

School Facilities Board
2015 Arizona Legislative Regular Session

Bill Tracking List

This update / printing: 1/28/2015

ATTACHMENTS

A.) Briefing Points -- SB1065 -- Introducing Sponsors: Senators Dial & Ward
B.) Background Paper -- SB1077 -- Introducing Sponsor: Senator Yee

ATTACHMENT A.)

Briefing Points -- SB1065 -- prime sponsors: Senators Dial & Ward
Reference Title: school facilities: guidelines : projects

Amending ARS §15-2011.I and ARS §15-2032. relating to The School Facilities Board

This Bill:

- makes minor technical corrections to conform to Legislative Council style;
  - *SFB has no objection to these technical corrections.*

- implies that the Minimum School Facilities Adequacy Guidelines could be subject to change as often as every three years;
  - *The SFB is currently required to file a 5 Year Rule Review with the Governor's Regulatory Review Council (GRRC) that includes specific requirements for posting of proposed rulemaking, including repeals, allowing for public comment and recommendations. This existing process does not preclude individual school districts, or any number of districts in collective league, to comment on existing SFB Statutes, Rule, Substantive Policy Statements, or procedures at any time.*

  - *Moreover, the SFB has always made itself available for direct one-on-one meetings with individual districts or groups of districts about concerns or suggestions. The SFB has always honored invitations to speak at gatherings of the various Arizona school district associations with formats allowing for questions and answers and substantive discussion.*

- does not appear to take Governor Ducey's Executive Order 2015-01 into account. It related to A Moratorium on Administrative Rulemaking by state agencies;

- does not appear to be aware of the provision in the Arizona Administrative Code at R7-6-285. Guideline Exception. ***{See following excerpt from AFB Rules.}*** ;

> **R7-6-285. Guidelines Exception**
> The Board may grant an exception from any of the guidelines requirements, upon agreement between the Board and the school district. The Board shall grant an exception if it determines that the intent of the guideline is capable of being met by the school district in an alternate manner. If the Board grants the exception, the school district shall be deemed to meet the guideline and is not eligible for state funding to meet the guideline.
>
> Historical Note
> New Section made by exempt rulemaking at 8 A.A.R. 287, effective June 7, 2001 (Supp. 01-4).

Page 2: **ATTACHMENT A.)**

- strikes language giving priority to building renewal grant fund awards "to school districts that can provide a match of monies provided by the fund.";
    - *SFB would support, this provision because this language presumed state support for facility preventative maintenance and capital replacement through the Building Renewal Formula Fund that was repealed by the Legislature in 2013 in Special Session.*

- sets out administrative requirements for documenting a.) recommendations for denial of requests for building renewal grant awards for primary projects and b.) reasons for the recommendation of denial;
    - *SFB currently reports these facts monthly in the Minutes of each Board Meeting and posts them to its website www.azsfb.gov .*

- requires the SFB to post on its website by September 15 of each year the list of proposed building renewal grant projects that were submitted during the prior fiscal year but denied;
    - *SFB does currently list all the Building Renewal Grant Applications awarded and those denied on its website www.azsfb.gov at the District Access tab. {????}*

- requires the SFB to include a summary of these denials in its Annual Report per ARS§15-2002.A.9.;
    - *SFB does currently provides a summary report on the Building Renewal Grants awarded each fiscal year in its Annual Report, which is posted on its website www.azsfb.gov {albeit by individual district}. The SFB could augment that summary with a complete list of the Building Renewal Grant Applications awarded and those denied in future Annual Reports, if the Board deems it appropriate.*

The Senate Staff Fact Sheet states:

"There is no anticipated fiscal impact to the state General Fund associated with this legislation."

- *The SFB takes exception with that analysis because, should any suggestion to increase the unit square footage allocations for the various grade levels set out in §15-2011.B. be adopted, the cost of the resulting increased floor area per pupil would most certainly have a fiscal impact on the budget for future projects.*

- *Moreover, the SFB is concerned that such a change to the guidelines might create a new minimum adequacy threshold that all existing school facilities would have to be brought up to those minimum guideline thresholds, compounding the potential fiscal impact of such changes.*

Background / History:
The SFB attempts to process web based Building Renewal Grant Applications received from school districts within the month before each School Facilities Board Meeting, as long as the application is administratively complete and within the statutory requirements for eligibility. The SFB staff makes every effort to work with the school district applicant to produce the necessary backup documentation to support the validity of the request with respect to these requirements.

Page 3: **ATTACHMENT A.)**

Occasionally a district is frustrated by these requirements and insists the application be placed on the Board's Agenda, in spite of the Staff's recommendation to correct any non-compliant or non-existent documentation. Other times, the SFB staff will recommend that the district voluntarily withdraw the application, and work with the SFB staff to bring the application into proper form and completeness, at which time the district can submit a new application.

If it is a matter of critical emergency, and if the project as described by the district meets the requirements of, and if there is sufficient balance in, the SFB Emergency Deficiencies Correction Fund, the SFB works with the applying district to change their application to one seeking Emergency Project Funding, which is from a different funding source than are Building Renewal Grants. The SFB responds immediately to any life/safety issue. Period.

ATTACHMENT B.)

Background Paper -- SB1077 -- prime sponsor: Senator Yee
Reference Title: child care facilities; SFB guidelines
Amending ARS §15-2011.I & ARS §36-883.05.G. relating to Child Care Facilities

This Bill repeals §15-2011. I. *{as published}* and §36-883.05.G. These sub-sections were passed as the McComish amendment to SB1102 during the 2014 Session.

Background/History: §15-2011 was used by Senator McComish as a legislative "bridge" to attach language in support of a Montessori School in his district that had been introduced by Senator Pancrazi in SB1321. However, that Bill was retained on the Committee Of the Whole Calendar and it moved no further during that Session.

These two sub-sections were necessary in order to achieve germane standing, relative to Senator Yee's SB1102 last year.

Statutes Affected: §15-2011. Minimum school facility adequacy requirements: definition
And §36-883.05. Child care facilities: infants: floor bedding: requirements: emergency evacuation: notice: definitions.

Fiscal Impact: There is no fiscal impact to the State by this repeal.

Policy Impact on Agencies: The School Facilities Board has requested this specific repeal.
The SFB has no statutory obligation to, or authority over, child care facilities. This reference in its statutes could be misconstrued to mean that it does.

The Department of Health Services, through its Legislative Liaison, Colby Bower (Colby.Bower@azdhs.gov), indicated that it has no objection to the repeal of sub-section §36-883.05.G. of its statute. These repeals do not adversely affect the balance of the language in §36-883.05.

Former Senator McComish was approached last fall about the proposed repeal of these specific sub-sections of his amendment. He informed Senator Yee and Senate Staff that he had no objection to these specific repeals.

STATE OF ARIZONA
SCHOOL FACILITIES BOARD

Meeting Date: February 4, 2015 **Agenda Item V.a.**

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

Agua Fria Union
Casa Grande Elementary
Chandler Unified
Florence Unified
Higley Unified
Kirkland Elementary
Liberty Elementary
Litchfield Elementary
Queen Creek Unified
Sahuarita Unified
Vail Unified

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

Board approval of staff recommendations as listed below.

1. **Agua Fria Union (9-12): Conceptually approve** 008N (9-12 for 1,600 students) to be approved in FY 16.

2. **Casa Grande Elementary (K-5): Conceptually approve** 007N (K-5 for 750 students) to be approved in FY 23.

3. **Chandler Unified (K-6): No conceptual approval.**

4. **Chandler Unified (K-12): Conceptually approve** a K-12 for 150 students to be approved in FY 16.

5. **Florence Unified (9-12): Conceptually approve** 017N (9-12 for 1,200 students) to be approved in FY 18.

6. **Higley Unified (K-8): No conceptual approval.**

7. **Kirkland Elementary (K-8): No conceptual approval.**

8. **Liberty Elementary (K-8): Conceptually approve** a K-8 for 800 students to be approved in FY 20.

9. **Litchfield Elementary (K-5): Conceptually approve** a K-5 for 956 students to be approved in FY 19.

10. **Queen Creek Unified (K-5): Conceptually approve** 005N (K-5 for 700 students) to be approved in FY 19.

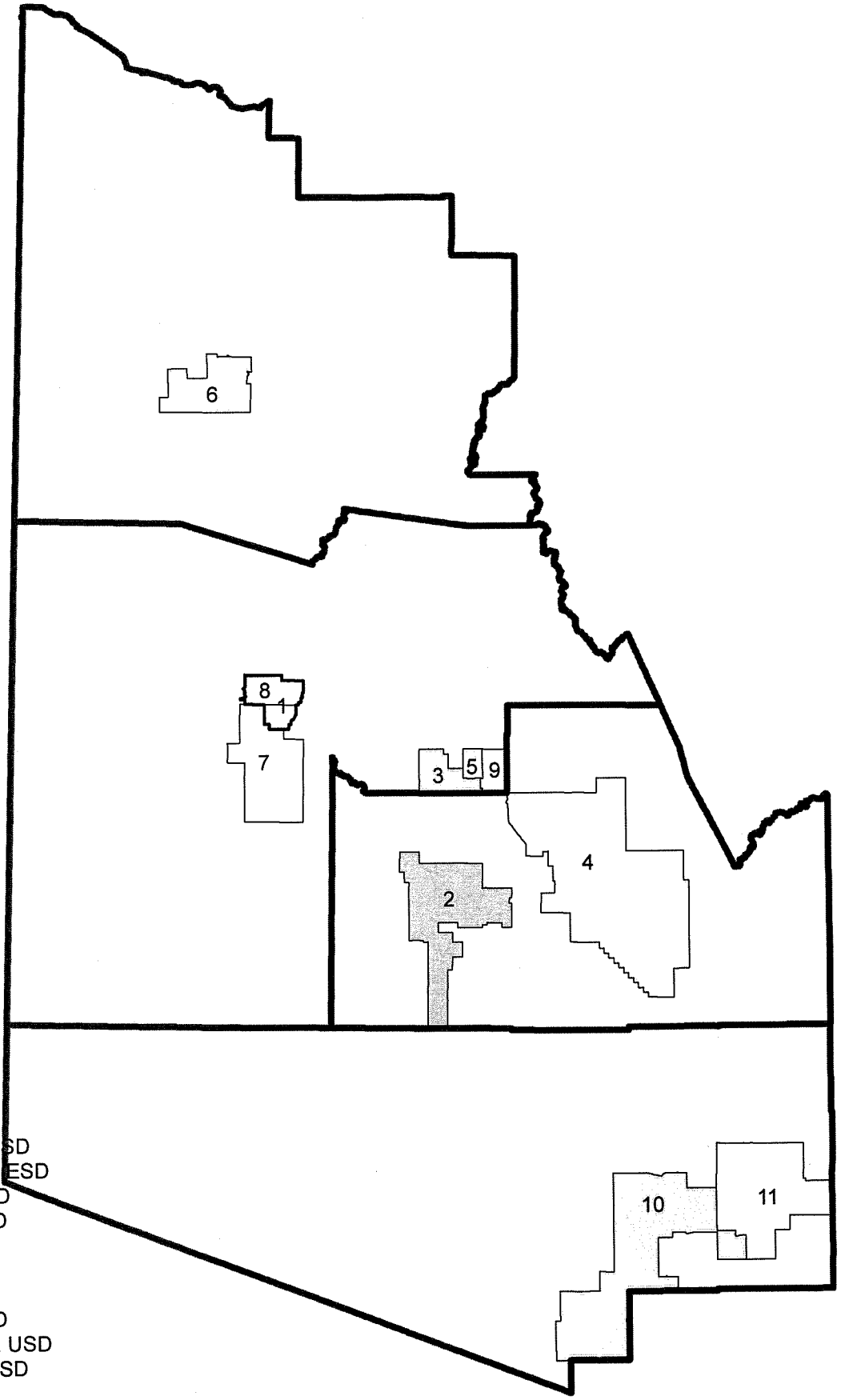
11. **Queen Creek Unified (9-12): Conceptually approve** 009N (9-12 for 867 students) to be approved in FY 17.

12. **Sahuarita Unified (K-8): Conceptually approve** 005N (K-8 school for 800 students) to be approved in FY 19 and 006N (K-8 school for 600 students) to be approved in FY 22.

13. **Vail Unified (9-12): Conceptually approve** a 9-12 for 1,000 students to be approved in FY 18.

Attachments: Yes [X] No [ ]

School Districts in Maricopa, Pima, Pinal and Yavapai Counties
February 4, 2015 Board Meeting



1. Agua Fria UHSD
2. Casa Grande ESD
3. Chandler USD
4. Florence USD
5. Higley USD
6. Kirkland ESD
7. Liberty ESD
8. Litchfield ESD
9. Queen Creek USD
10. Sahuarita USD
11. Vail USD

School Districts in Maricopa, Pima, Pinal and Yavapai Counties

Capital plans considered on this agenda are from eleven school districts in the central and eastern parts of Maricopa County, Pima County, Pinal County and Yavapai County, the four most populous counties in the state. The county and state population information is presented in Table 1.

Table 1: Population growth in Maricopa, Pima, Pinal and Yavapai Counties 2010-2014

County	Census 2010	July 1, 2010	July 1, 2011	July 1, 2012	July 1, 2013	July 1, 2014	Annualized Growth Rate*
Maricopa	3,817,117	3,824,058	3,843,370	3,884,705	3,944,859	4,008,651	**1.19%**
Pima	980,263	981,168	986,081	990,380	996,046	1,007,162	**.66%**
Pinal	375,770	376,369	384,231	389,192	393,813	396,237	**1.29%**
Yavapai	211,033	210,899	211,247	211,583	213,294	215,357	**.52%**
Arizona	6,392,017	6,401,569	6,438,178	6,498,569	6,581,054	6,667,241	**1.02%**

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

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

Between the two decennial censuses of 2000 and 2010, Maricopa County experienced considerable population growth at an annualized growth rate of 2.19% compared to 2.22% and 0.93% at the state and national levels, respectively (*U.S. Census Bureau*). From 2010 to 2014, the rate declined to 1.19% (*Arizona State Demographer's Office*) compared to 1.02% for the state (*Arizona State Demographer's Office*) and 0.76% for the nation (*U.S. Census Bureau: Population Estimates*) during the same period. Maricopa County accounts for 60% of the state's population. Currently, there are 16 unified school districts, 33 elementary school districts and six union high school districts in the county. Located in Central Maricopa County are some of the nation's fastest growing cities and towns during the 2000-2010 decade, including *Avondale, Buckeye and Goodyear*. Three school districts from this area are on the current agenda for new construction; they are Agua Fria Union, Liberty Elementary and Litchfield Elementary School Districts. The other three school districts on the agenda from Maricopa County are from the East Valley which has been one of the fastest growing areas in the county; they are Chandler Unified, Higley Unified and Queen Creek Unified School Districts.

Pima County, located in the south central region of the state, is the second most populous county in Arizona. During 2000-2010, Pima County experienced considerable population growth with an annualized growth rate of 1.51% (*U.S. Census Bureau 2000 and 2010*). From 2010 to 2014, the annual growth rate declined to 0.66% *(Arizona State Demographer's Office).* Currently, there are 11 unified school districts and three elementary school districts in the county. Of these, Sahuarita Unified and Vail Unified submitted capital plan requests this year.

Pinal County is located between Maricopa and Pima Counties along Interstate 10. It is designated by the U.S. Census Bureau as one part of the Phoenix Metropolitan Area. Between 2000 and 2010, Pinal was one of the two fastest growing counties in the nation with an annualized population growth rate of 7.65%, more than three times the rate at the state level. From 2010 to 2014, the growth rate declined to 1.29% (*Arizona State Demographer's Office*), yet still considerably higher than those of the state and the nation. It is the third most populous county in the state behind Maricopa and Pima Counties. Currently, there are eight unified schools districts, eight elementary school districts and two union high school districts in the county. Two school districts submitted capital plan requests this year, and they are Casa Grande Elementary and Florence Unified School Districts.

Yavapai County is located near the center of the state, between Maricopa and Coconino Counties. It was among the fastest growing counties in the state between the two decennial censuses with an annualized growth rate of 2.34% (*U.S. Census Bureau 2000 and 2010*). During the last four years from 2010 to 2014, the annual growth rate decreased to .52%, and the population currently continues to rank fourth in the state (*Arizona State Demographer's Office*). There are ten elementary school districts, one union high school district and nine unified school districts in the county. Kirkland Elementary is the only district from the county that is on the agenda for FY 15.

Table 2: ADM growth in six districts, Maricopa County and Arizona FY 2005-2015*

Fiscal Year	6-District* 100-day ADM	6-District* ADM Growth Rate	Maricopa 100-day ADM	Maricopa ADM Growth Rate	Arizona 100-day ADM	Arizona ADM Growth Rate
2005	50,045		544,043		869,738	
2006	55,487	10.9%	562,860	3.5%	896,174	3.0%
2007	60,411	8.9%	574,469	2.1%	916,418	2.3%
2008	65,698	8.8%	583,970	1.7%	927,847	1.2%
2009	68,568	4.4%	579,557	-0.8%	922,150	-0.6%
2010	69,785	1.8%	574,872	-0.8%	913,808	-0.9%
2011	71,200	2.0%	566,835	-1.4%	898,031	-1.7%
2012	71,886	1.0%	568,374	0.3%	892,268	-0.6%
2013	73,240	1.9%	568,146	0.0%	888,298	-0.4%
2014	68,517	-6.4%	548,567	-3.4%	856,732	-3.6%
Annualized Growth Rate 2005-2014		*3.6%*		*0.1%*		*-0.2%*
2015 Projection	70,511	3.0%				

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

* Six school districts: Agua Fria Union, Chandler Unified, Higley Unified, Liberty Elementary, Litchfield Elementary and Queen Creek Unified

Table 3: ADM growth in two districts, Pima County and Arizona FY 2005-2015*

Fiscal Year	2-District* 100-day ADM	2-District* ADM Growth Rate	Pima 100-day ADM	Pima ADM Growth Rate	Arizona 100-day ADM	Arizona ADM Growth Rate
2005	8,941		125,007		869,738	
2006	10,268	14.8%	126,657	1.3%	896,174	3.0%
2007	11,486	11.9%	127,783	0.9%	916,418	2.3%
2008	12,760	11.1%	127,207	-0.5%	927,847	1.2%
2009	13,621	6.8%	126,341	-0.7%	922,150	-0.6%
2010	14,214	4.3%	125,080	-1.0%	913,808	-0.9%
2011	14,625	2.9%	122,366	-2.2%	898,031	-1.7%
2012	13,737	-6.1%	119,646	-2.2%	892,268	-0.6%
2013	14,377	4.7%	119,499	-0.1%	888,298	-0.4%
2014	12,815	-10.9%	115,915	-3.0%	856,732	-3.6%
Annualized Growth Rate 2005-2014		*4.1%*		*-.8%*		*-0.2%*
2015 Projection	13,468	5.1%				

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

* Two school districts: Sahuarita Unified and Vail Unified.

Table 4: ADM growth in two districts, Pinal County and Arizona FY 2005-2015*

Fiscal Year	2-District* 100-day ADM	2-District* ADM Growth Rate	Pinal 100-day ADM	Pinal ADM Growth Rate	Arizona 100-day ADM	Arizona ADM Growth Rate
2005	8,980		29,866		869,738	
2006	10,733	19.5%	34,084	14.1%	896,174	3.0%
2007	12,543	16.9%	39,339	15.4%	916,418	2.3%
2008	13,707	9.3%	42,949	9.2%	927,847	1.2%
2009	14,414	5.2%	44,465	3.5%	922,150	-0.6%
2010	14,976	3.9%	44,938	1.1%	913,808	-0.9%
2011	14,971	0.0%	43,280	-3.7%	898,031	-1.7%
2012	15,030	0.4%	42,181	-2.5%	892,268	-0.6%
2013	14,808	-1.5%	41,888	-0.7%	888,298	-0.4%
2014	14,456	-2.4%	38,199	-8.8%	856,732	-3.6%
Annualized Growth Rate 2005-2014		*5.4%*		*2.8%*		*-0.2%*
2015 Projection	14,723	1.8%				

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

* Two school districts: Casa Grande Elementary and Florence Unified.

Table 5: ADM growth in Kirkland ESD, Yavapai County and Arizona FY 2005-2015

Fiscal Year	Kirkland ESD 100-day ADM	Kirkland ESD ADM Growth Rate	Yavapai 100-day ADM	Yavapai Growth Rate	Arizona 100-day ADM	Arizona ADM Growth Rate
2005	65		21,989		869,738	
2006	70	7.6%	22,828	3.8%	896,174	3.0%
2007	65	-7.4%	23,383	2.4%	916,418	2.3%
2008	64	-1.8%	23,378	0.0%	927,847	1.2%
2009	54	-14.9%	22,941	-1.9%	922,150	-0.6%
2010	59	8.5%	22,278	-2.9%	913,808	-0.9%
2011	57	-3.4%	21,565	-3.2%	898,031	-1.7%
2012	53	-6.5%	21,123	-2.0%	892,268	-0.6%
2013	59	10.6%	20,937	-0.9%	888,298	-0.4%
2014	64	8.3%	18,110	-13.5%	856,732	-3.6%
Annualized Growth Rate 2005-2014		*-.2%*		*-2.1%*		*-0.2%*
2015 Projection	72	13.1%				

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

The six districts from Maricopa County, two from Pima County and another two from Pinal County had annualized ADM growth rates of 3.6%, 4.1% and 5.4%, respectively during the past decade (Tables 2, 3 & 4). Most of the growth took place during 2006-2008 around the housing boom. The subsequent meltdowns of the real estate market and economic recession affected these districts to varying degrees. As a result, many of these school districts accumulated a large number of housing inventories, particularly in Liberty Elementary, Queen Creek Unified, Sahuarita Unified and the two districts in Pinal County. However, the housing market started recovering sooner and more quickly than expected. By late 2012, the vast majority of the excess housing inventories had been cleared out in Maricopa County. The eastern part of Maricopa County that includes Chandler Unified, Higley Unified and Queen Creek Unified has the best performing real estate market in the state. A few years ago even when the housing market in the state appeared bleak, Chandler Unified which covers the majority of the *City of Chandler* and the southern part of the *Town of Gilbert*, had a considerable amount of new housing units being constructed and sold every year due to its high-tech industry, high income and highly performing schools. Queen Creek Unified and Higley Unified, located east of Chandler Unified, each had more than 850 houses built during FY 14. In the *City of Goodyear* and *Litchfield Park* where Agua Fria Union, Liberty Elementary and Litchfield Elementary are located, the total sales as well as new housing sales lag behind those in the year prior. However, the number of investor flips has decreased.

In Pima and Pinal Counties, the housing market on a whole lagged behind that of Maricopa County in its pace of absorbing excess housing units and increasing new housing construction. However, areas adjacent to East Maricopa County, such as the northeast part of Florence Unified (San Tan Valley) are among the most active housing

markets in the state. Florence Unified had nearly 400 new homes built during FY 14, and the number of new housing permits issued in 2013 in Vail Unified was just shy of 300. Developers have begun to contact school districts in both counties regarding their development plans in the future.

Even though the housing market has given mixed signals during the past year and the charter sector continues to expand in Queen Creek Unified, Liberty Elementary and Casa Grande Elementary, all ten school districts on this agenda from Maricopa, Pima and Pinal Counties are expected to experience ADM growth this year. Liberty Elementary, Litchfield Elementary and Vail Unified converted a total of ten district schools to charter schools in FY 14, resulting in a significant decrease of district ADM in FY 14. However, these converted charters will convert back to district schools next year (FY 16) per Laws 2014, Second Regular Session, Ch. 16, § 22 (HB 2711). Therefore in FY 16, ADM for these ten schools will be counted again as district ADM.

Barring unforeseen conditions in the future, we expect most of the ten districts in the three counties will grow in the current projection cycle as the economy continues to improve and new housing construction increases.

Of the eleven school districts on the current agenda, Kirkland Elementary is the only one from outside the three most populous counties. Located in the central part of Yavapai County, it is small in student enrollment size and the population in the area has a much older median age than the state average. Currently there is no information to indicate that the district will likely experience a dramatic increase in ADM in the near future.

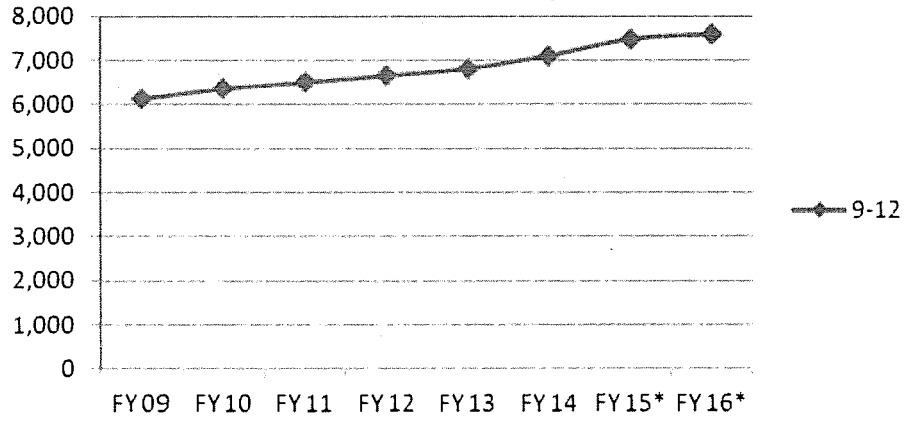
Agua Fria Union High School District

District Overview

Agua Fria Union High School District is located in the west valley of the Phoenix metro area, serving parts of the communities of Avondale, Buckeye, Goodyear and Litchfield Park. It is about 15 to 20 miles west of downtown Phoenix. Interstate 10 bisects the district. The District currently has four high schools, serving approximately 7,500 ADM.

District ADM History

For the past five years, the District's ADM grew in a moderate range of 2.2 - 4.2%. The annualized growth rate for the past five years was 2.9%.

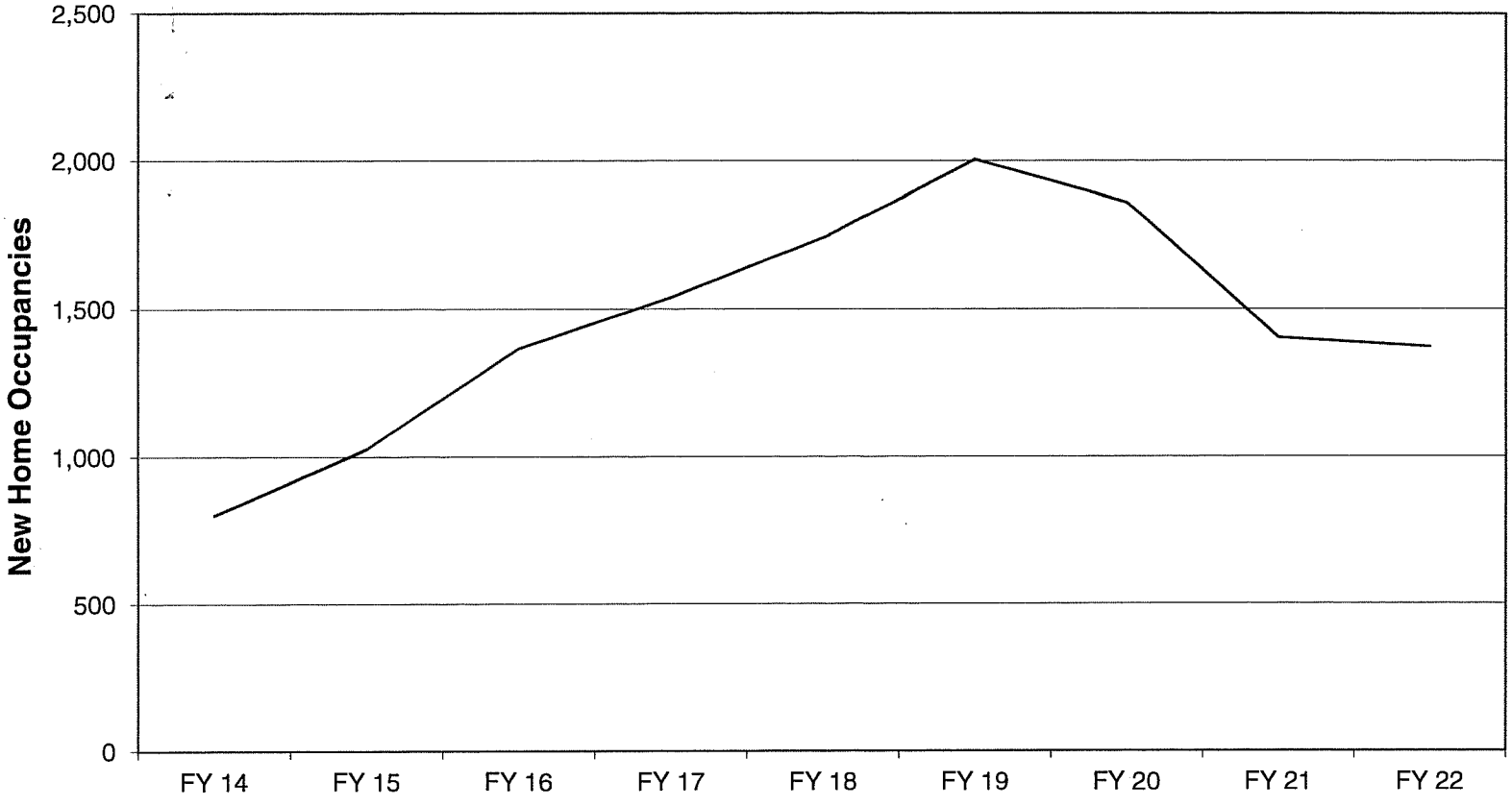


*FY 15 and FY 16: ADM projections

District Outlook

Between FY 03 and FY 07, an average of more than 3,200 new housing units were added to the District each year, fueling tremendous ADM growth during the period. While the housing market appears to have gone through a cycle of boom, bust and rebound, this district's ADM has never dropped during the past decade, an impressive feat rarely seen in other school districts. In FY 15, the District's ADM is forecasted to register another increase of 5.3%. As new housing construction is picking up in the area, SFB staff expects that the District's ADM will continue to grow in an approximate range of 1.5-5.0% per year during the projection cycle.

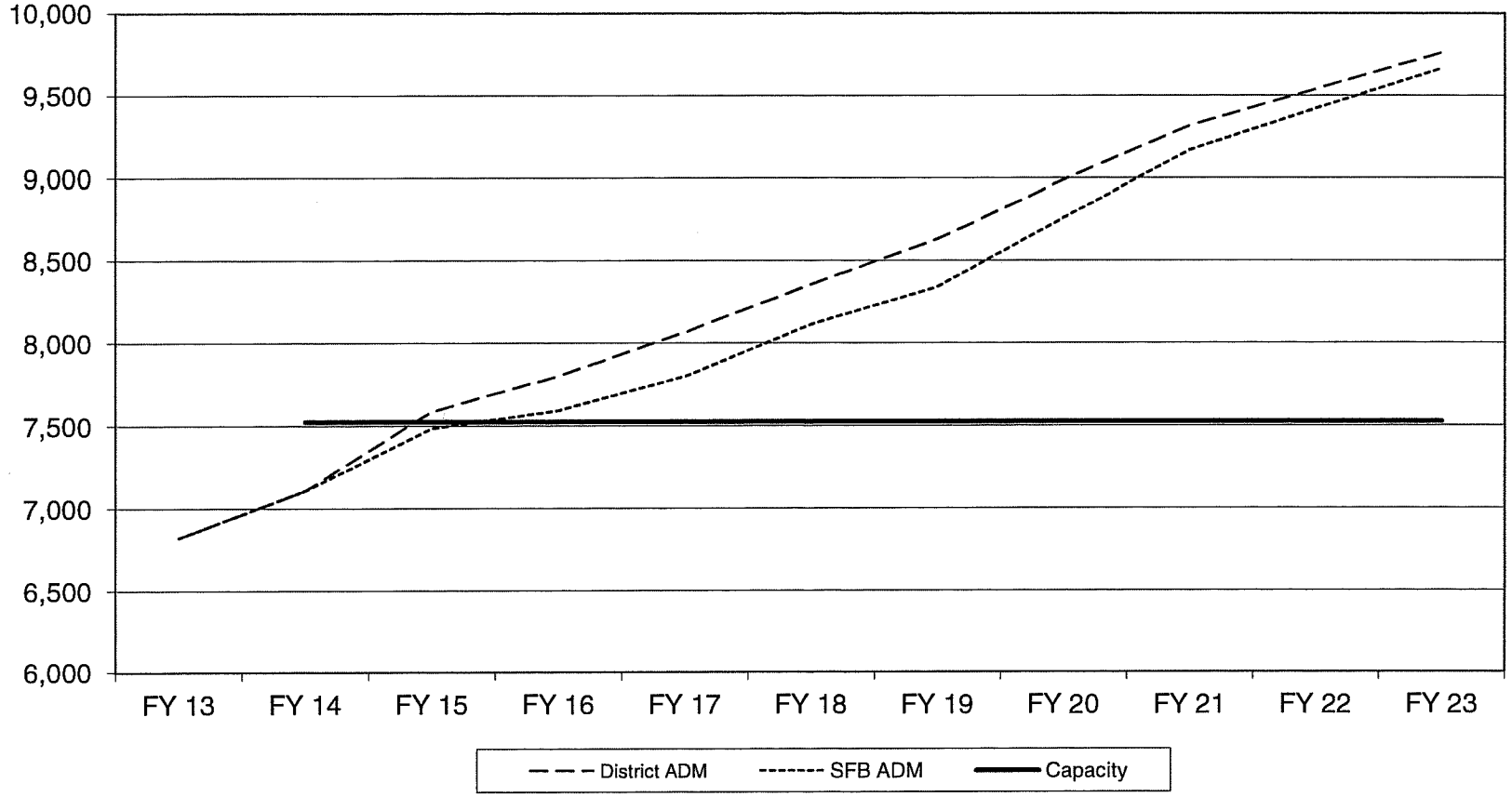
New Home Occupancies (1)
Agua Fria Union High School District



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

FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
800	1,026	1,366	1,539	1,740	2,004	1,861	1,402	1,371	13,110

9-12 Graph
Agua Fria Union High School District



9-12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	6,822	7,110	7,589	7,801	8,065	8,356	8,632	8,992	9,318	9,540	9,761
SFB ADM	6,822	7,110	7,485	7,595	7,797	8,112	8,340	8,763	9,169	9,422	9,664
Capacity		7,525	7,525	7,525	7,525	7,525	7,525	7,525	7,525	7,525	7,525

SCHOOL FACILITIES BOARD

2015 New Construction Analysis
Agua Fria Union High School District
CTD – 070516
(9-12)

District New Construction Request

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
			New school for 1,600 students (008N)				

Notes Regarding District's Request: Project 008N was conceptually-approved last year for 900 students to be approved in FY 20. The District currently has a site in inventory for a future school.

Staff Recommendation for February 4, 2015

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
	New school for 1,600 students (008N) (Conceptual)						

Note: The actual capacity of a 1,600-student school in this district would be 2,128 students.

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

New Construction Analysis
Agua Fria Union High School District
9-12

9-12	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	7,525	7,525	7,525	7,525	7,525	7,525	7,525	7,525	7,525	7,525
Total Student Capacity	**7,525**	**7,525**	**7,525**	**7,525**	**7,525**	**7,525**	**7,525**	**7,525**	**7,525**	**7,525**

District's ADM Projections	**7,110**	**7,589**	**7,801**	**8,065**	**8,356**	**8,632**	**8,992**	**9,318**	**9,540**	**9,761**
ADM Growth Rate	4.2%	6.7%	2.8%	3.4%	3.6%	3.3%	4.2%	3.6%	2.4%	2.3%
Number of Students for which new space is required (2)		64	276	540	831	1,107	1,467	1,793	2,015	2,236

SFB Recommended ADM Projections	**7,110**	**7,485**	**7,595**	**7,797**	**8,112**	**8,340**	**8,763**	**9,169**	**9,422**	**9,664**
ADM Growth Rate	4.2%	5.3%	1.5%	2.7%	4.0%	2.8%	5.1%	4.6%	2.8%	2.6%
Number of Students for which new space is required (2)		-	70	272	588	815	1,238	1,644	1,897	2,139

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

FEBRUARY 4, 2015 STAFF RECOMMENDATION

The staff recommendation is to conceptually approve:

Project Number / Description	Grade Config.	Design Capacity	SF per Student	Square Feet	Actual Capacity	Approval FY
New school - 008N	9-12	1,600	125	200,000	2,128	FY 16

ADM Projections
Agua Fria Union High School District

12/18/2014

District Provided ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
9 - 12	6,822	7,110	7,589	7,801	8,065	8,356	8,632	8,992	9,318	9,540	9,761
% change		4.2%	6.7%	2.8%	3.4%	3.6%	3.3%	4.2%	3.6%	2.4%	2.3%

SFB ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
9 - 12	6,822	7,110	7,485	7,595	7,797	8,112	8,340	8,763	9,169	9,422	9,664
% change		4.2%	5.3%	1.5%	2.7%	4.0%	2.8%	5.1%	4.6%	2.8%	2.6%

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

SFB ADM Forecast - Last Year	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
9 - 12	6,825	7,130	7,234	7,336	7,511	7,750	7,982	8,297	8,613	8,833	8,988
% change		4.5%	1.5%	1.4%	2.4%	3.2%	3.0%	3.9%	3.8%	2.6%	1.8%

ADM History
Agua Fria Union High School District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
9 - 12	6,151	6,373	6,510	6,664	6,822	7,110	
% change		3.6%	2.2%	2.4%	2.4%	4.2%	2.9%

Square Footage and Capacity by School
Agua Fria Union High School District

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
Agua Fria High School	267,092	46,071	221,021	12,316	208,705	Variable	1,751
Millennium High School	264,232	67,747	196,485	18,479	178,006	Variable	1,509
SFB-funded Desert Edge High School	216,599	16,596	200,003	NA	200,003	94	2,128
SFB-funded Verrado High School	220,292	19,441	200,851	NA	200,851	94	2,137
Total	**968,215**	**149,855**	**818,360**	**30,795**	**787,565**		**7,525**
(1) Based on either the SFB Working Definition of Student Capacity or A.R.S. 15-2011 depending on the type of square footage.							
Note: SFB-funded schools are not adjusted for interior corridors.							

Local Funds Report
Agua Fria Union High School District

12/18/2014

9-12 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
B bond SF at Agua Fria HS (net of replacement space)	3,211									
Building N at Agua Fria HS	2,263									
Millennium HS additions	12,347									
Desert Edge auditorium addition	11,596									
B bond addition at Verrado	16,824									
Millennium HS - Bldg S	8,897									
Millennium HS - Bldg T	1,939									
Millennium HS - Bldg U	429									
Agua Fria bldg. 1031 (FY 13)	8,000									
Millennium bldgs. 1024 & 1025 (FY 13)	44,135									
Agua Fria bldg. 1032 (FY 14)	5,500									
Desert Edge bldg. 1012 (FY 14)	5,000									
Desert Edge dance room			5,000							
Agua Fria field house			5,500							
Cumulative Total	120,141	120,141	130,641	130,641	130,641	130,641	130,641	130,641	130,641	130,641
ADM Projections	7,110	7,485	7,595	7,797	8,112	8,340	8,763	9,169	9,422	9,664
x Minimum adequacy factor	94	94	94	94	94	94	94	94	94	94
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	167,080	175,891	178,477	183,226	190,642	195,981	205,924	215,461	221,418	227,098
Square Footage to be built in excess of 25% threshold (1)	0	0	0	0	0	0	0	0	0	0
Capacity of excess square footage	0	0	0	0	0	0	0	0	0	0

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

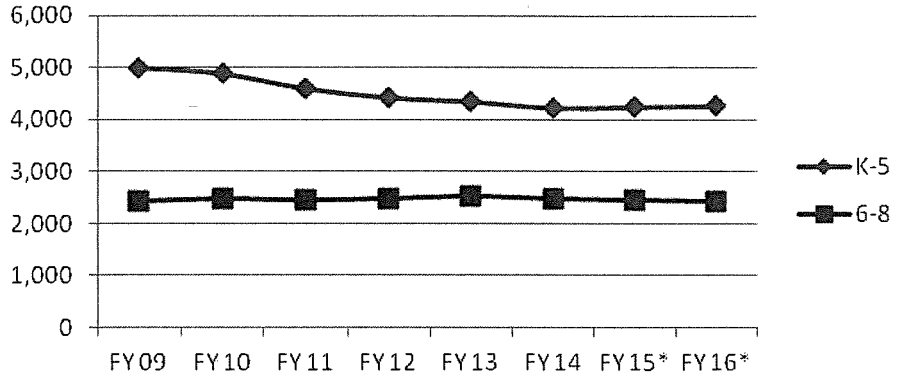
Casa Grande Elementary School District

District Overview

The District covers the town of Casa Grande and surrounding areas in Pinal County, midway between Phoenix and Tucson. It currently has nine elementary schools (K-5) and four middle schools (6-8), serving over 6,600 ADM.

District ADM History

Over the past five years, the District's K-8 ADM declined at an annualized rate of -2.0%. All five years experienced negative growth, ranging from -0.4% to -4.3%.

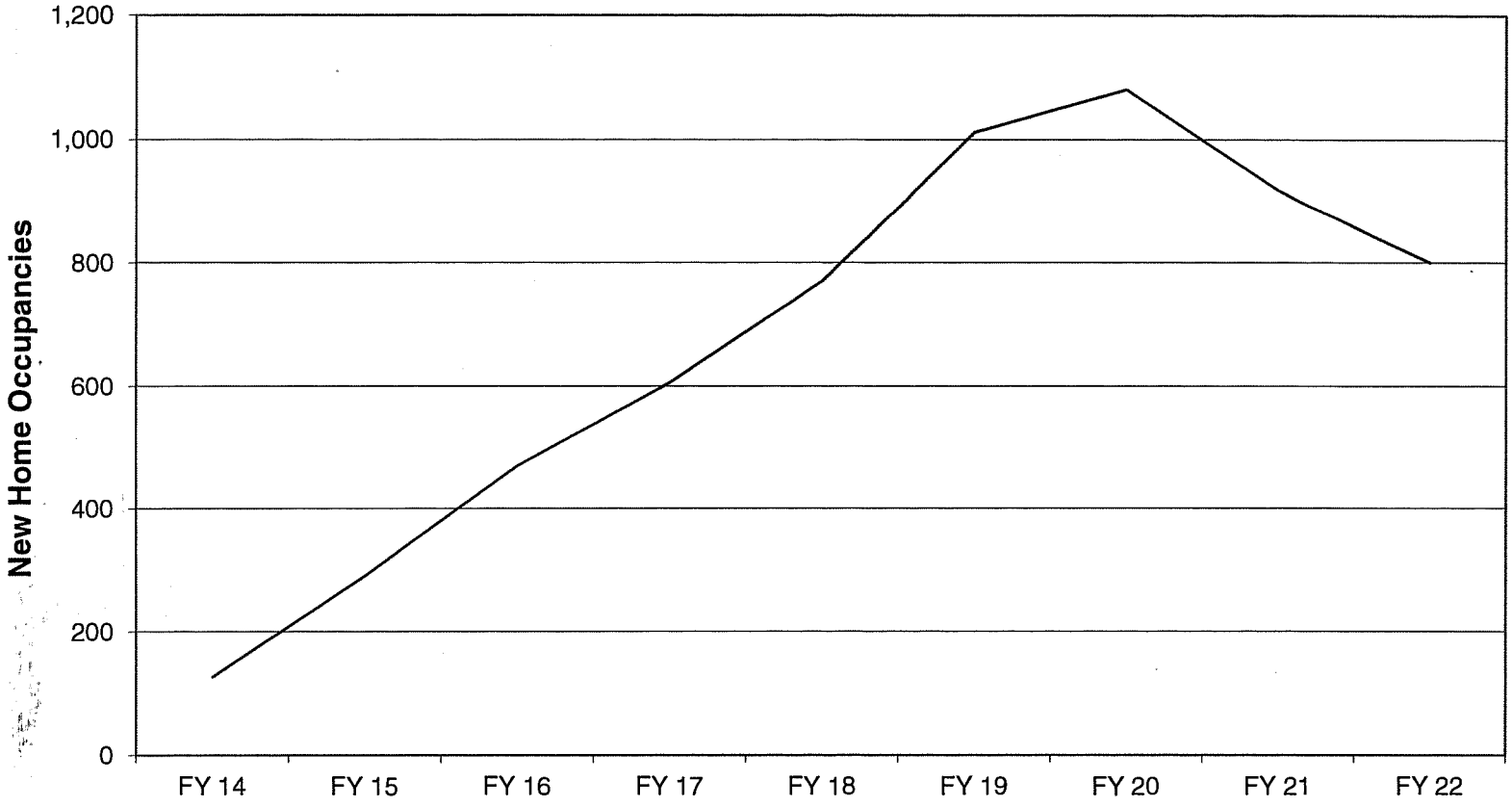


*FY 15 and FY 16: ADM projections

District Outlook

The District's ADM has continued to decline since FY 10 while charter schools in the area have continued to expand, which have a total enrollment of 1,146 in FY 15 according to a charter enrollment report from ADE. The District's ADM in FY 15 is expected to stay relatively level with last year. However, the significant loss of kindergarten students in FY 14 appears to be repeated this year, which will affect the District's long-term ADM growth. Phoenix Mart, a global trade center designed to connect thousands of North American manufacturers and distributers with domestic and global buyers is slated to open in early 2016. It is forecasted to create several thousand jobs upon its full operation. Barring unforeseen conditions, SFB staff projects that the District's ADM will stay flat next year followed by growth in the approximate range of 3.5-6.5% per year for the remainder of the projection cycle.

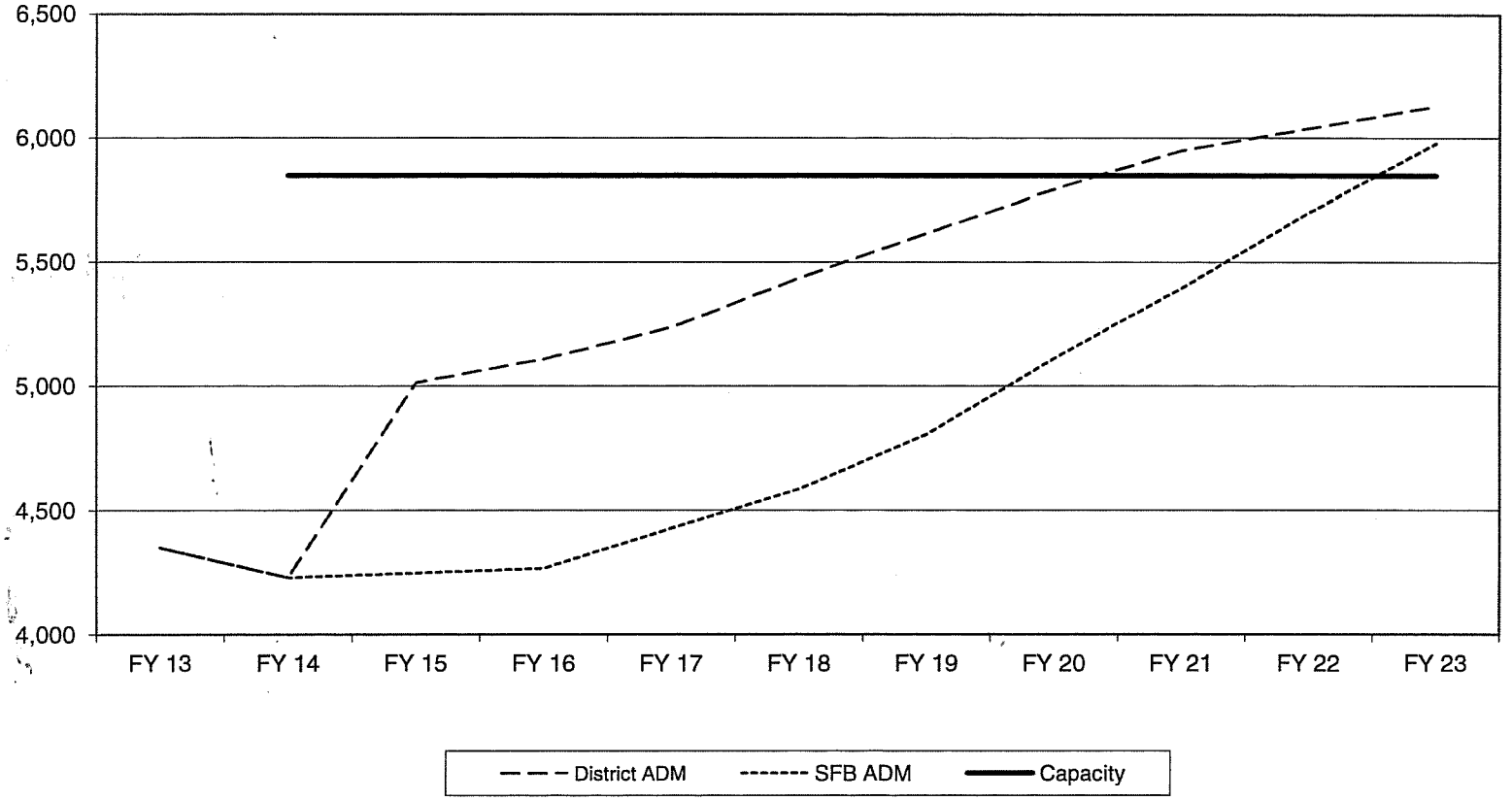
New Home Occupancies (1)
Casa Grande Elementary District



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

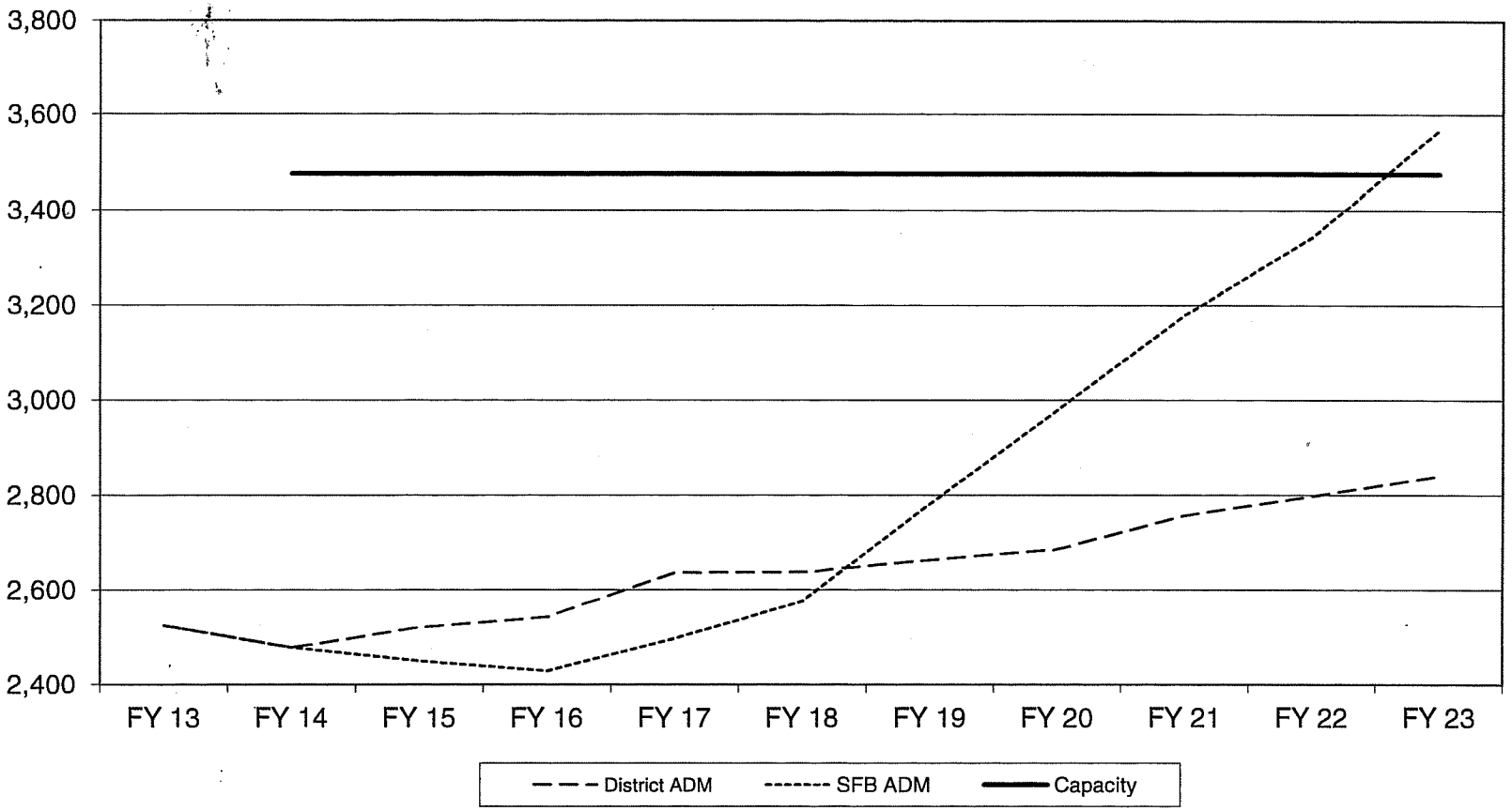
FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
127	290	470	605	771	1,012	1,080	918	800	6,073

K-5 Graph
Casa Grande Elementary District



K-5	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	4,350	4,231	5,013	5,108	5,236	5,437	5,618	5,795	5,950	6,039	6,130
SFB ADM	4,350	4,231	4,249	4,267	4,429	4,586	4,806	5,110	5,396	5,702	5,979
Capacity		5,848	5,848	5,848	5,848	5,848	5,848	5,848	5,848	5,848	5,848

6-8 Graph
Casa Grande Elementary District



6-8	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	2,525	2,478	2,521	2,543	2,636	2,637	2,663	2,686	2,757	2,798	2,840
SFB ADM	2,525	2,478	2,450	2,429	2,497	2,576	2,782	2,980	3,179	3,344	3,567
Capacity		3,475	3,475	3,475	3,475	3,475	3,475	3,475	3,475	3,475	3,475

SCHOOL FACILITIES BOARD

2015 New Construction Analysis
Casa Grande Elementary District
CTD – 110404
(K-5)

District New Construction Request

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23
						K-5 for 750 (007N)		

Staff Notes Regarding District's Request: This project was conceptually-approved last year to be approved in FY 21. The District owns one vacant K-5 site.

Staff Recommendation for February 4, 2015

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23
								K-5 for 750 (007N) (Conceptual)

Note: The actual capacity of a 750-student K-5 school would be 844 students.

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

K-5	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	5,848	5,848	5,848	5,848	5,848	5,848	5,848	5,848	5,848	5,848
Total Student Capacity	**5,848**	**5,848**	**5,848**	**5,848**	**5,848**	**5,848**	**5,848**	**5,848**	**5,848**	**5,848**
District's ADM Projections	**4,231**	**5,013**	**5,108**	**5,236**	**5,437**	**5,618**	**5,795**	**5,950**	**6,039**	**6,130**
ADM Growth Rate	-2.7%	18.5%	1.9%	2.5%	3.8%	3.3%	3.2%	2.7%	1.5%	1.5%
Number of Students for which new space is required (2)		-	-	-	-	-	-	102	191	282
SFB Recommended ADM Projections	**4,231**	**4,249**	**4,267**	**4,429**	**4,586**	**4,806**	**5,110**	**5,396**	**5,702**	**5,979**
ADM Growth Rate	-2.7%	0.4%	0.4%	3.8%	3.5%	4.8%	6.3%	5.6%	5.7%	4.9%
Number of Students for which new space is required (2)		-	-	-	-	-	-	-	-	131

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

FEBRUARY 4, 2015 STAFF RECOMMENDATION

The staff recommendation is to conceptually approve:

Project Number / Description	**Grade Config.**	**Design Capacity**	**SF per Student**	**Square Feet**	**Actual Capacity**	**Approval FY**
007N - New school	K-5	750	90	67,500	844	FY 23

ADM Projections
Casa Grande Elementary District

1/23/2015

District Provided ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 5	4,350	4,231	5,013	5,108	5,236	5,437	5,618	5,795	5,950	6,039	6,130
% change		-2.7%	18.5%	1.9%	2.5%	3.8%	3.3%	3.2%	2.7%	1.5%	1.5%
6 - 8	2,525	2,478	2,521	2,543	2,636	2,637	2,663	2,686	2,757	2,798	2,840
% change		-1.8%	1.7%	0.9%	3.7%	0.0%	1.0%	0.9%	2.6%	1.5%	1.5%
Total	6,875	6,709	7,534	7,651	7,872	8,074	8,281	8,481	8,707	8,837	8,970
% change		-2.4%	12.3%	1.6%	2.9%	2.6%	2.6%	2.4%	2.7%	1.5%	1.5%

SFB ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 5	4,350	4,231	4,249	4,267	4,429	4,586	4,806	5,110	5,396	5,702	5,979
% change		-2.7%	0.4%	0.4%	3.8%	3.5%	4.8%	6.3%	5.6%	5.7%	4.9%
6 - 8	2,525	2,478	2,450	2,429	2,497	2,576	2,782	2,980	3,179	3,344	3,567
% change		-1.8%	-1.1%	-0.8%	2.8%	3.2%	8.0%	7.1%	6.7%	5.2%	6.7%
Total	6,875	6,709	6,699	6,697	6,927	7,162	7,589	8,090	8,574	9,045	9,545
% change		-2.4%	-0.2%	0.0%	3.4%	3.4%	6.0%	6.6%	6.0%	5.5%	5.5%

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

SFB ADM Forecast - Last Year	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 5	4,350	4,160	4,079	4,188	4,422	4,813	5,157	5,546	5,865	6,125	6,336
% change		-4.4%	-2.0%	2.7%	5.6%	8.9%	7.1%	7.5%	5.7%	4.4%	3.4%
6 - 8	2,525	2,459	2,372	2,322	2,390	2,466	2,688	2,940	3,288	3,546	3,797
% change		-2.6%	-3.6%	-2.1%	3.0%	3.2%	9.0%	9.4%	11.9%	7.8%	7.1%
Total	6,875	6,619	6,450	6,509	6,812	7,279	7,845	8,486	9,153	9,671	10,133
% change		-3.7%	-2.6%	0.9%	4.7%	6.9%	7.8%	8.2%	7.9%	5.7%	4.8%

ADM History
Casa Grande Elementary District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
K - 5	5,005	4,894	4,604	4,427	4,350	4,231	
% change		-2.2%	-5.9%	-3.8%	-1.7%	-2.7%	-3.3%
6 - 8	2,424	2,474	2,448	2,478	2,525	2,478	
% change		2.1%	-1.1%	1.2%	1.9%	-1.8%	0.4%
Total	7,428	7,368	7,052	6,905	6,875	6,709	
% change		-0.8%	-4.3%	-2.1%	-0.4%	-2.4%	-2.0%

Square Footage and Capacity by School
Casa Grande Elementary District

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
Cholla Elementary School	49,018	5,438	43,580	4,182	39,398	85	464
Cottonwood Elementary School	47,208	3,653	43,555	4,356	39,199	85	461
Early Childhood Learning Center	8,968	8,968	0	NA	0	80	-
Evergreen Elementary School	49,421	827	48,594	2,896	45,698	85	538
Ironwood School	55,808	0	55,808	5,581	50,227	85	591
Mesquite Elementary School	75,888	0	75,888	7,589	68,299	85	804
Palo Verde School	71,197	0	71,197	7,121	64,076	85	754
Saguaro Elementary School	47,596	0	47,596	4,382	43,214	85	508
SFB-funded addition to Saguaro	3,294	0	3,294	NA	3,294	80	41
SFB-funded Desert Willow	67,510	10	67,500	NA	67,500	80	844
SFB-funded McCartney Ranch (2)	67,553	53	67,500	NA	67,500	80	844
Total K-5	**543,461**	**18,949**	**524,512**	**36,107**	**488,405**		**5,848**
Cactus Middle School	97,733	0	97,733	7,355	90,378	95	951
Casa Grande Middle School (formerly Junior High School)	132,818	0	132,818	7,897	124,921	95	1,315
Ocotillo Elementary School	26,073	26,073	0	0	0	95	-
SFB-funded Villago Middle School (3)	96,822	152	96,670	NA	96,670	80	1,208
Total 6-8	**353,446**	**26,225**	**327,221**	**15,252**	**311,969**		**3,475**

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

(2) Plans at the time this school was presented to SFB showed that the total SF would be 67,911, with 411 SF funded by the district. District-submitted FY 08 New Square Footage Report indicates that 68,875 SF were actually built. District was asked to review, and the conclusion was total 67,553 SF. SFB staff and District staff measured together at 67,568 SF, and agreed on 67,553 SF as final number.

(3) Plans at the time this school was presented to SFB showed that the total SF would be 96,847, with 177 SF funded by the district. District-submitted FY 08 New Square Footage Report indicates that a total of 96,822 SF were actually built.

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

Local Funds Report
Casa Grande Elementary District

1/23/2015

K-5 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Cholla - building 1003	1,785									
Evergreen - building 1009	827									
Desert Willow	10									
McCartney Ranch	53									
Cottonwood School Multipurpose Building	3,653									
Cholla School Multipurpose Building	3,653									
Early Childhood Center	8,968									
Cumulative Total	18,949	18,949	18,949	18,949	18,949	18,949	18,949	18,949	18,949	18,949
ADM Projections	4,231	4,249	4,267	4,429	4,586	4,806	5,110	5,396	5,702	5,979
x Minimum adequacy factor	80	80	80	80	80	80	80	80	80	80
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	84,617	84,972	85,349	88,583	91,715	96,128	102,200	107,914	114,030	119,574
Square Footage to be built in excess of 25% threshold (1)		0	0	0	0	0	0	0	0	0
Capacity of excess square footage		0	0	0	0	0	0	0	0	0

6-8 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Additional SF at Villago MS	152									
Cumulative Total	152	152	152	152	152	152	152	152	152	152
ADM Projections	2,478	2,450	2,429	2,497	2,576	2,782	2,980	3,179	3,344	3,567
x Minimum adequacy factor	80	80	80	80	80	80	80	80	80	80
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	49,565	49,001	48,585	49,948	51,529	55,643	59,599	63,574	66,874	71,335
Square Footage to be built in excess of 25% threshold (1)		0	0	0	0	0	0	0	0	0
Capacity of excess square footage		0	0	0	0	0	0	0	0	0

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

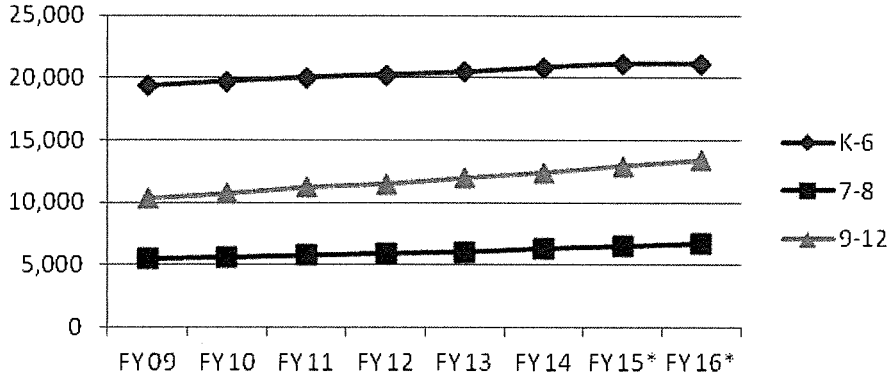
Chandler Unified School District

District Overview

Chandler Unified School District mostly covers the City of Chandler. Currently, the District has 28 elementary schools (K-6), six junior high schools (7-8), five high schools and two facilities that span multiple grade levels, with its ADM reaching over 40,500. A district-funded K-6 school and a 7-12 school are currently under construction and expected to open in FY 2016.

District ADM History

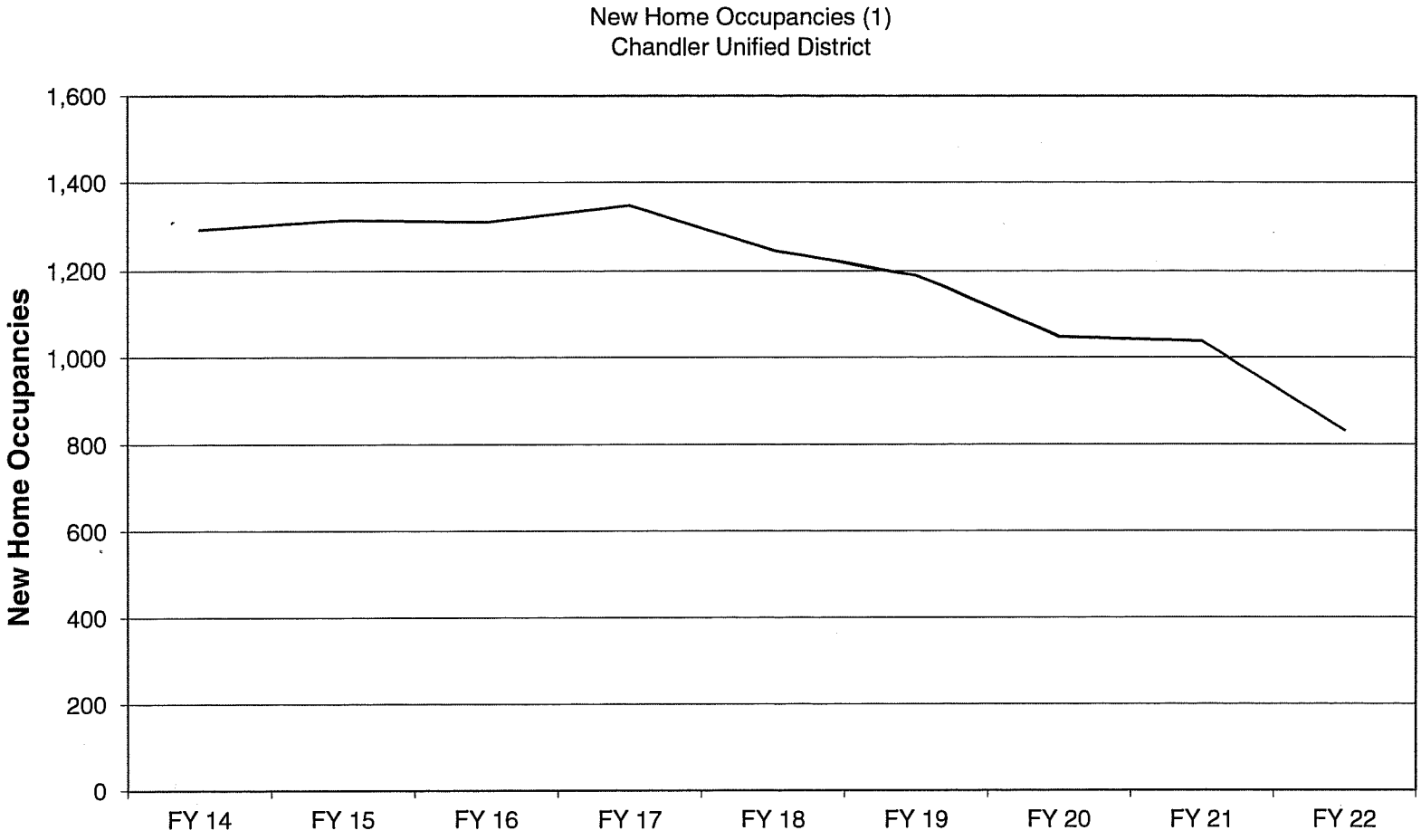
Over the past five years, the District's ADM grew at a moderate range of 1.5-3.0% per year. The five-year annualized growth rate was 2.4%.



*FY 15 and FY 16: ADM projections

District Outlook

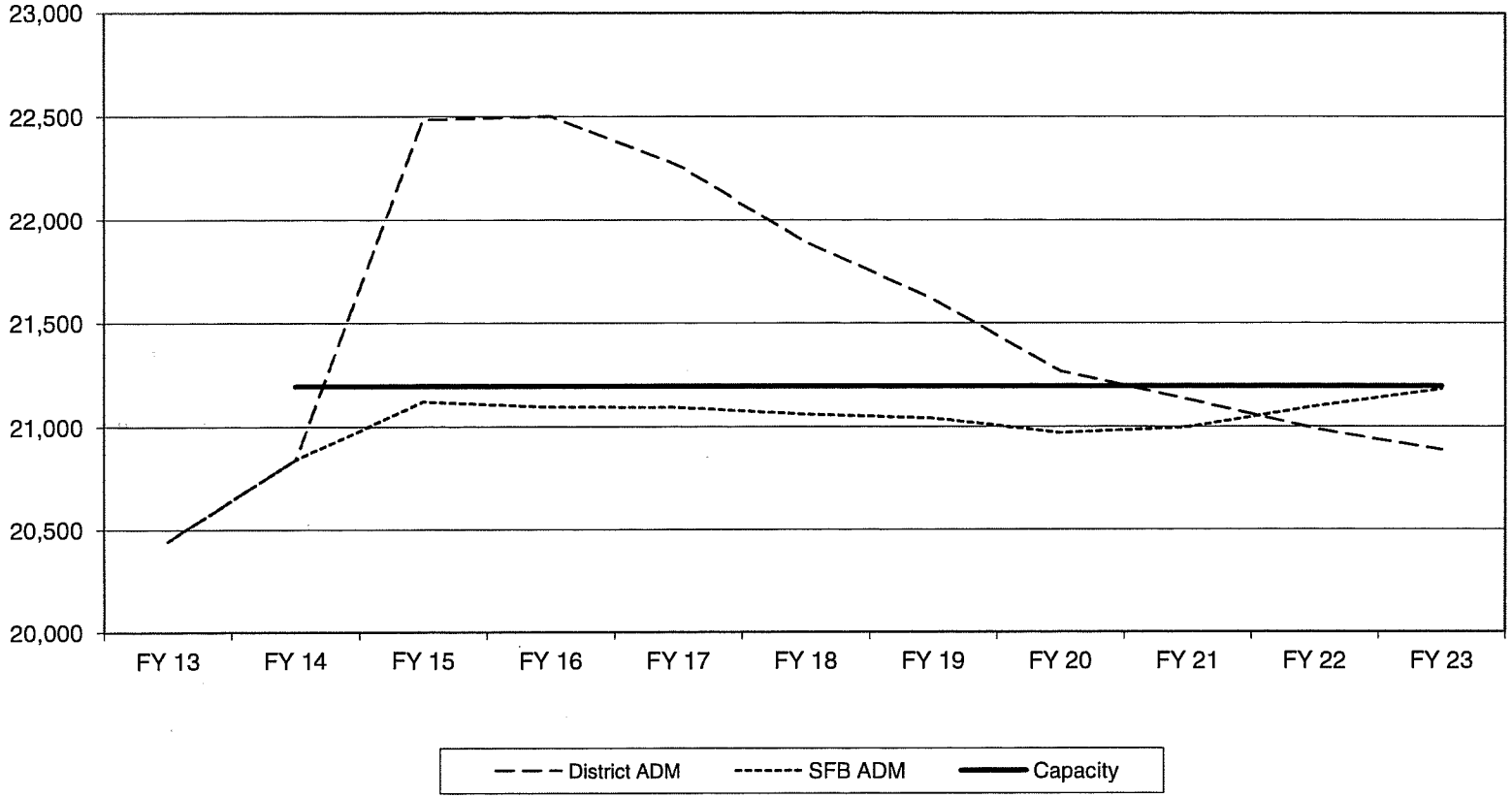
During FY 2001-2006, residential development took place with an average of more than 4,000 new homes built each year, adding more than 9,600 ADM to the district. The pace has since slowed down. During FY12-FY14, the total of new housing units was 4,607. This year's ADM is forecasted to increase an estimated 2.5%. According to the City of Chandler, the city is close to being built out with approximately 2,000 acres of vacant land left. The City plans to add more than 15,000 housing units, among which multi-family units will take up approximately 64% and single family units approximately 36% to make full use of the available space. The District also has a part located in the Santan Character Area of the Town of Gilbert where land is still available for new housing and growth has been taking place. The birth number in the district was on a declining curve from more than 3,500 in 2008 to below 3,000 in 2013 which impacts the growth outlook. The District is forecasted to continue to grow, but the rate will be below 1.5% for most years during the current projection cycle.



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

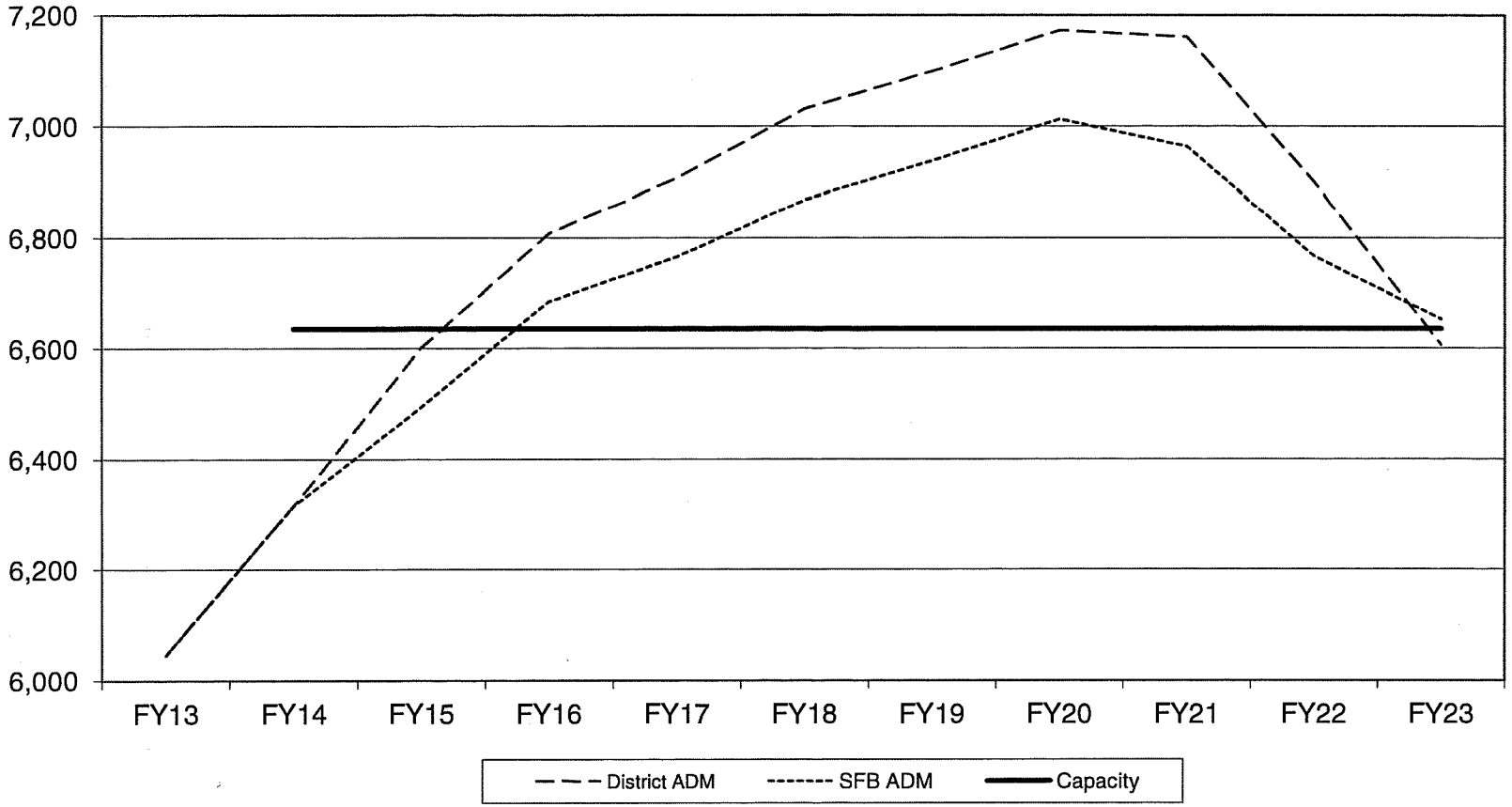
FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
1,291	1,314	1,309	1,347	1,244	1,190	1,047	1,038	832	10,612

K-6 Graph
Chandler Unified District



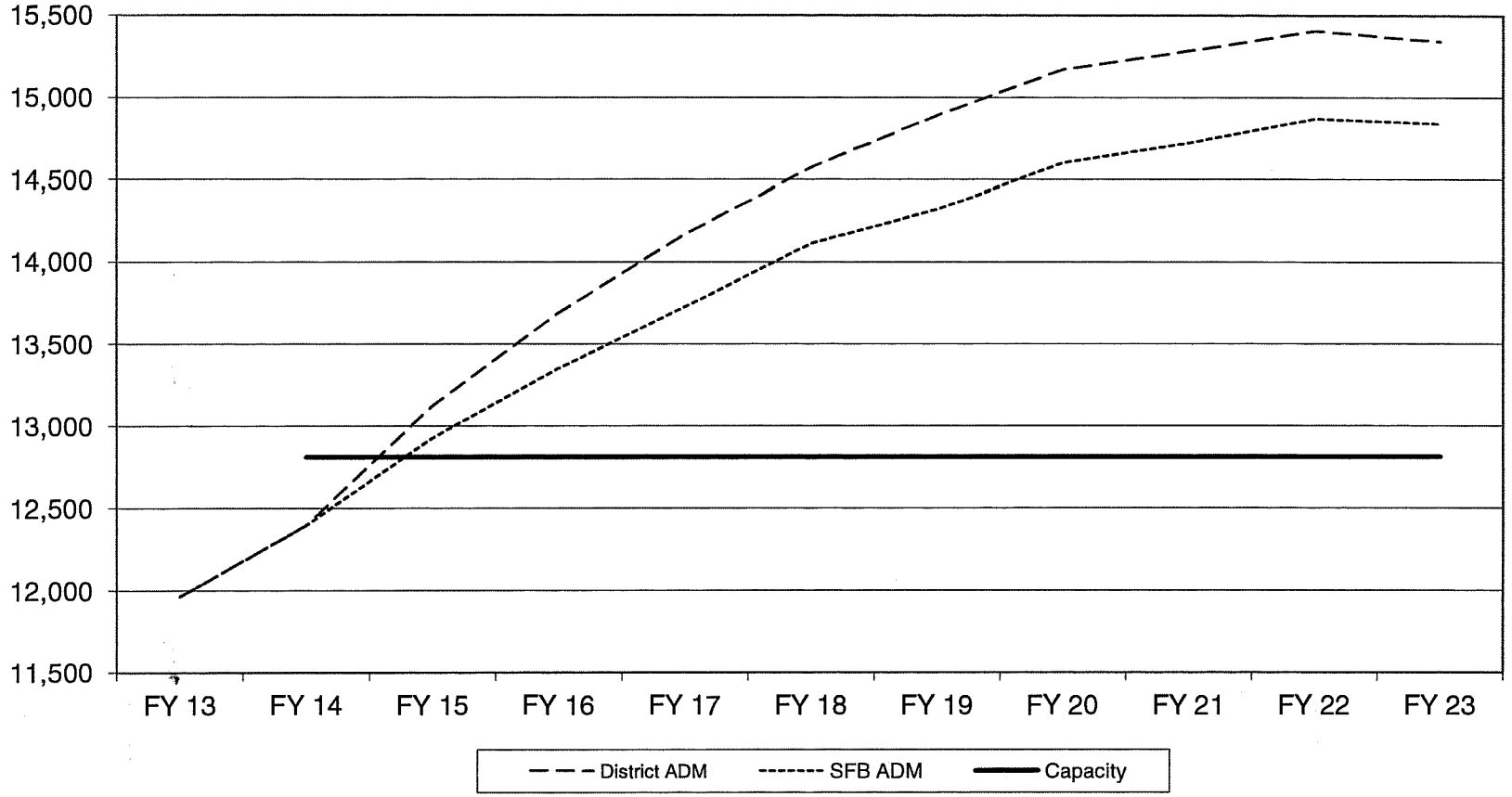
K-6	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	20,443	20,840	22,485	22,502	22,265	21,895	21,617	21,268	21,133	20,991	20,887
SFB ADM	20,443	20,840	21,120	21,095	21,094	21,061	21,041	20,972	20,997	21,099	21,182
Capacity		21,197	21,197	21,197	21,197	21,197	21,197	21,197	21,197	21,197	21,197

7-8 Graph
Chandler Unified District



7-8	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23
District ADM	6,045	6,315	6,601	6,808	6,907	7,031	7,098	7,173	7,161	6,900	6,606
SFB ADM	6,045	6,315	6,495	6,685	6,765	6,869	6,938	7,013	6,964	6,767	6,652
Capacity		6,635	6,635	6,635	6,635	6,635	6,635	6,635	6,635	6,635	6,635

9-12 Graph
Chandler Unified District



9-12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	11,964	12,397	13,123	13,692	14,170	14,574	14,891	15,171	15,283	15,406	15,342
SFB ADM	11,964	12,397	12,927	13,351	13,728	14,114	14,322	14,602	14,722	14,870	14,840
Capacity		12,811	12,811	12,811	12,811	12,811	12,811	12,811	12,811	12,811	12,811

SCHOOL FACILITIES BOARD

2015 New Construction Analysis
Chandler Unified District
CTD – 070280
(K-6)

District New Construction Request

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
			K-6 for 950 students				

Staff Notes Regarding District's Request: This project has not yet been conceptually approved. The district owns a site for this project.

Staff Recommendation for February 4, 2015

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

K-6	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	21,197	21,197	21,197	21,197	21,197	21,197	21,197	21,197	21,197	21,197
Total Student Capacity	**21,197**	**21,197**	**21,197**	**21,197**	**21,197**	**21,197**	**21,197**	**21,197**	**21,197**	**21,197**

District's ADM Projections	**20,840**	**22,485**	**22,502**	**22,265**	**21,895**	**21,617**	**21,268**	**21,133**	**20,991**	**20,887**
ADM Growth Rate	1.9%	7.9%	0.1%	-1.1%	-1.7%	-1.3%	-1.6%	-0.6%	-0.7%	-0.5%
Number of Students for which new space is required (2)		1,288	1,305	1,068	698	420	71	-	-	-

SFB Recommended ADM Projections	**20,840**	**21,120**	**21,095**	**21,094**	**21,061**	**21,041**	**20,972**	**20,997**	**21,099**	**21,182**
ADM Growth Rate	1.9%	1.3%	-0.1%	0.0%	-0.2%	-0.1%	-0.3%	0.1%	0.5%	0.4%
Number of Students for which new space is required (2)		-	-	-	-	-	-	-	-	-

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

FEBRUARY 4, 2015 STAFF RECOMMENDATION

No conceptual approval.

SCHOOL FACILITIES BOARD

2015 New Construction Analysis
Chandler Unified District
CTD – 070280
(K-12)

District New Construction Request

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
		K-12 for 150 students					

Staff Notes Regarding District's Request: Last year, the District was conceptually-approved for a 7-8 for 41 students (026N) to be approved in FY 17, and a 9-12 for 1,006 students (025N) to be approved in FY 16. The district subsequently began construction on a 7-12 facility with local funds so that the space would be available when the students arrive. That facility is expected to open in FY 2017. Therefore, the District has withdrawn requests for 7-8 and 9-12 square footage. The current request is for a K-12 facility for 150 students. The district owns a site for this project.

Staff Recommendation for February 4, 2015

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
	K-12 for 150 students (Conceptual)						

Note: The actual capacity of a 150-student K-12 school in this district would be 182 students.

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

K-12	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	40,719	40,719	40,719	40,719	40,719	40,719	40,719	40,719	40,719	40,719
Total Student Capacity	**40,719**	**40,719**	**40,719**	**40,719**	**40,719**	**40,719**	**40,719**	**40,719**	**40,719**	**40,719**

District's ADM Projections	**39,552**	**42,209**	**43,002**	**43,342**	**43,500**	**43,606**	**43,612**	**43,577**	**43,297**	**42,835**
ADM Growth Rate	3.6%	6.7%	1.9%	0.8%	0.4%	0.2%	0.0%	-0.1%	-0.6%	-1.1%
Number of Students for which new space is required (2)		1,490	2,283	2,623	2,781	2,887	2,893	2,858	2,578	2,116

SFB Recommended ADM Projections	**39,552**	**40,542**	**41,131**	**41,587**	**42,043**	**42,302**	**42,587**	**42,683**	**42,735**	**42,674**
ADM Growth Rate	3.6%	2.5%	1.5%	1.1%	1.1%	0.6%	0.7%	0.2%	0.1%	-0.1%
Number of Students for which new space is required (2)		-	411	867	1,324	1,582	1,867	1,963	2,016	1,955

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

FEBRUARY 4, 2015 STAFF RECOMMENDATION

The staff recommendation is to conceptually approve:

Project Number / Description	Grade Config.	Design Capacity	SF per Student	Square Feet	Actual Capacity	Approval FY
New school	K-12	150	102.8	15,420	182	FY 16

ADM Projections
Chandler Unified District

1/27/2015

District Provided ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 6	20,443	20,840	22,485	22,502	22,265	21,895	21,617	21,268	21,133	20,991	20,887
% change		1.9%	7.9%	0.1%	-1.1%	-1.7%	-1.3%	-1.6%	-0.6%	-0.7%	-0.5%
7 - 8	6,045	6,315	6,601	6,808	6,907	7,031	7,098	7,173	7,161	6,900	6,606
% change		4.5%	4.5%	3.1%	1.5%	1.8%	1.0%	1.1%	-0.2%	-3.6%	-4.3%
9 - 12	11,964	12,397	13,123	13,692	14,170	14,574	14,891	15,171	15,283	15,406	15,342
% change		3.6%	5.9%	4.3%	3.5%	2.9%	2.2%	1.9%	0.7%	0.8%	-0.4%
Total	38,453	39,552	42,209	43,002	43,342	43,500	43,606	43,612	43,577	43,297	42,835
% change		2.9%	6.7%	1.9%	0.8%	0.4%	0.2%	0.0%	-0.1%	-0.6%	-1.1%

SFB ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 6	20,443	20,840	21,120	21,095	21,094	21,061	21,041	20,972	20,997	21,099	21,182
% change		1.9%	1.3%	-0.1%	0.0%	-0.2%	-0.1%	-0.3%	0.1%	0.5%	0.4%
7 - 8	6,045	6,315	6,495	6,685	6,765	6,869	6,938	7,013	6,964	6,767	6,652
% change		4.5%	2.8%	2.9%	1.2%	1.5%	1.0%	1.1%	-0.7%	-2.8%	-1.7%
9 - 12	11,964	12,397	12,927	13,351	13,728	14,114	14,322	14,602	14,722	14,870	14,840
% change		3.6%	4.3%	3.3%	2.8%	2.8%	1.5%	1.9%	0.8%	1.0%	-0.2%
Total	38,453	39,552	40,542	41,131	41,587	42,043	42,302	42,587	42,683	42,735	42,674
% change		2.9%	2.5%	1.5%	1.1%	1.1%	0.6%	0.7%	0.2%	0.1%	-0.1%

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

SFB ADM Forecast - Last Year	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 6	20,423	20,932	21,039	21,077	21,070	21,002	20,974	20,876	20,883	20,946	21,039
% change		2.5%	0.5%	0.2%	0.0%	-0.3%	-0.1%	-0.5%	0.0%	0.3%	0.4%
7 - 8	6,045	6,308	6,457	6,594	6,642	6,676	6,645	6,639	6,594	6,458	6,379
% change		4.4%	2.4%	2.1%	0.7%	0.5%	-0.5%	-0.1%	-0.7%	-2.1%	-1.2%
9 - 12	11,966	12,496	12,794	13,119	13,381	13,591	13,719	13,817	13,769	13,764	13,646
% change		4.4%	2.4%	2.5%	2.0%	1.6%	0.9%	0.7%	-0.3%	0.0%	-0.9%
Total	38,434	39,736	40,290	40,791	41,092	41,270	41,338	41,333	41,247	41,168	41,064
% change		3.4%	1.4%	1.2%	0.7%	0.4%	0.2%	0.0%	-0.2%	-0.2%	-0.3%

ADM History
Chandler Unified District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
K - 6	19,322	19,710	20,019	20,228	20,443	20,840	
% change		2.0%	1.6%	1.0%	1.1%	1.9%	1.5%
7 - 8	5,517	5,631	5,778	5,946	6,045	6,315	
% change		2.1%	2.6%	2.9%	1.7%	4.5%	2.7%
9 - 12	10,322	10,724	11,218	11,485	11,964	12,397	
% change		3.9%	4.6%	2.4%	4.2%	3.6%	3.7%
Total	35,161	36,065	37,014	37,658	38,453	39,552	
% change		2.6%	2.6%	1.7%	2.1%	2.9%	2.4%

Square Footage and Capacity by School
Chandler Unified District
K-6, 7-8, 9-12

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
San Marcos (Denver) Elementary School	52,271	0	52,271	912	51,359	85	604
Galveston Elementary School	64,090	4,245	59,845	1,309	58,536	85	689
Hartford Elementary School	49,379	0	49,379	269	49,110	85	578
District-funded addition to Hartford (FY 08)	8,012	8,012	0	NA	0	80	0
Knox Elementary School	54,764	0	54,764	413	54,351	85	639
Frye Elementary School	70,094	446	69,648	6,419	63,229	85	744
Anna Marie Jacobson Elementary School	65,056	0	65,056	488	64,568	85	760
Sanborn Elementary School	61,457	0	61,457	464	60,993	85	718
Clifford J Goodman Elementary School	57,109	0	57,109	367	56,742	85	668
Weinberg Elementary School	52,634	0	52,634	1,961	50,673	85	596
John M Andersen Elementary School	54,619	0	54,619	2,084	52,535	85	618
Marshall Humphrey II Elementary School	52,827	0	52,827	2,084	50,743	85	597
Shumway Elementary School	54,844	0	54,844	1,019	53,825	85	633
Dr Howard K Conley Elementary School	68,198	0	68,198	1,332	66,866	85	787
Rudy G Bologna Elementary School	68,198	0	68,198	1,332	66,866	85	787
Robert & J Danell Tarwater Elementary School	68,198	0	68,198	1,332	66,866	85	787
Liberty Campus (2)	42,822	40,946	1,876	0	1,876	85	22
Freedom Campus (formerly Chandler Traditional Academy)	60,052	58,148	1,904	NA	1,904	85	22
SFB-funded Addition to Weinberg (213N)	9,540	0	9,540	NA	9,540	80	119
SFB-funded Basha Elementary	85,711	0	85,711	NA	85,711	80	1,071
SFB-funded Jane D. Hull Elementary	92,794	7,973	84,821	NA	84,821	80	1,060
SFB-funded Santan K-6	85,500	0	85,500	NA	85,500	80	1,069
SFB-funded T. Dale Hancock (4)	63,024	0	63,024	NA	63,024	80	788
SFB-funded Navarrete Elementary (4)	73,954	10,930	63,024	NA	63,024	80	788
SFB-funded Ryan Elementary (5)	76,500	0	76,500	NA	76,500	80	956
SFB-funded Independence Campus (6)	63,011	0	63,011	NA	63,011	80	788
SFB-funded Fulton	86,227	1,447	84,780	NA	84,780	80	1,060
SFB-funded Riggs	90,643	1,723	88,920	NA	88,920	80	1,112
SFB-funded Charlotte Patterson (opened FY 09)	84,900	0	84,900	NA	84,900	80	1,061
SFB-funded Haley (opened FY 09)	86,258	38	86,220	NA	86,220	80	1,078
Chandler CARE Center (3)	4,608	4,608	0	NA	0	80	0
John and Carol Carlson Elementary	80,178	80,178	0	NA	0	80	0
Total K-6	**1,987,472**	**218,694**	**1,768,778**	**21,785**	**1,746,993**		**21,197**

Square Footage and Capacity by School
Chandler Unified District
K-6, 7-8, 9-12

Bogle Junior High School	131,951	0	131,951	5,204	126,747	100	1,267
John M Andersen Jr High School	122,640	0	122,640	4,863	117,777	100	1,178
Willis Junior High School	120,058	18,199	101,859	1,701	100,158	100	1,002
Arizona College Prep - Oakland Campus (formerly Chandler Traditional JH)	62,615	0	62,615	0	62,615	100	626
SFB-funded Santan Junior High	98,463	13,463	85,000	NA	85,000	80	1,063
SFB-funded Willie and Coy Payne	120,082	82	120,000	NA	120,000	80	1,500
Chandler CARE Center (3)	1,418	1,418	0	NA	0	80	0
Ken Chief Hill Learning Academy (7-8 portion only) (7)	8,511	8,511	0	NA	0	80	0
Total 7-8	**665,738**	**41,673**	**624,065**	**11,768**	**612,297**		**6,635**
Chandler High School	431,208	60,689	370,519	31,019	339,500	109.5	3,100
Hamilton High School	390,127	24,993	365,134	36,265	328,869	109.5	3,003
Arizona College Prep - Erie Campus (reconfigured from K-6 to 9-12 4/6/11)	52,466	0	52,466	2,405	50,061	109.5	457
Additional space built at Erie Campus FY12	19,234	19,234	0	NA	0	94	0
SFB-funded Basha High School	316,215	41,215	275,000	NA	275,000	94	2,926
SFB-funded Perry High	354,489	41,989	312,500	NA	312,500	94	3,324
Chandler CARE Center (3)	2,836	2,836	0	NA	0	94	0
Ken Chief Hill Learning Academy (9-12 portion only) (7)	17,023	17,023	0	NA	0	94	0
Total 9-12	**1,583,598**	**207,979**	**1,375,619**	**69,689**	**1,305,930**		**12,811**

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

(2) The majority of this school is excludable because it was built with unrestricted capital outlay funds prior to June 30, 2002.

(3) Pro-rated to elementary, middle, and high school square footage assuming equal distributions among grade levels assuming Kindergarten grade level counts as one-half.

(4) Approved for 63,016 SF, but actual square footage built was 63,024 SF. The district did not add any square footage with local funds. Therefore, the entire square footage amount was funded by SFB.

(5) Although district reported 76,497 square feet actually built, the entire SFB-funded amount (76,500 SF) counts against district's capacity.

(6) Approved for 63,000 SF, but actual square footage built was 63,011 SF. The district did not add any square footage with local funds. Therefore, the entire square footage amount was funded by SFB.

(7) Pro-rated to middle and high school square footage assuming equal distributions among grade levels.

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

Square Footage and Capacity by School
Chandler Unified District
K-12

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
San Marcos (Denver) Elementary School	52,271	0	52,271	912	51,359	95.2	539
Galveston Elementary School	64,090	4,245	59,845	1,309	58,536	95.2	615
Hartford Elementary School	49,379	0	49,379	269	49,110	95.2	516
District-funded addition to Hartford (FY 08)	8,012	8,012	0	NA	0	84.5	0
Knox Elementary School	54,764	0	54,764	413	54,351	95.2	571
Frye Elementary School	70,094	446	69,648	6,419	63,229	95.2	664
Anna Marie Jacobson Elementary School	65,056	0	65,056	488	64,568	95.2	678
Sanborn Elementary School	61,457	0	61,457	464	60,993	95.2	641
Clifford J Goodman Elementary School	57,109	0	57,109	367	56,742	95.2	596
Weinberg Elementary School	52,634	0	52,634	1,961	50,673	95.2	532
John M Andersen Elementary School	54,619	0	54,619	2,084	52,535	95.2	552
Marshall Humphrey II Elementary School	52,827	0	52,827	2,084	50,743	95.2	533
Shumway Elementary School	54,844	0	54,844	1,019	53,825	95.2	565
Dr Howard K Conley Elementary School	68,198	0	68,198	1,332	66,866	95.2	702
Rudy G Bologna Elementary School	68,198	0	68,198	1,332	66,866	95.2	702
Robert & J Danell Tarwater Elementary School	68,198	0	68,198	1,332	66,866	95.2	702
Liberty Campus (2)	42,822	40,946	1,876	0	1,876	95.2	20
Freedom Campus (formerly Chandler Traditional Academy)	60,052	58,148	1,904	NA	1,904	95.2	20
SFB-funded Addition to Weinberg (213N)	9,540	0	9,540	NA	9,540	84.5	113
SFB-funded Basha Elementary	85,711	0	85,711	NA	85,711	84.5	1,014
SFB-funded Jane D. Hull Elementary	92,794	7,973	84,821	NA	84,821	84.5	1,004
SFB-funded Santan K-6	85,500	0	85,500	NA	85,500	84.5	1,012
SFB-funded T. Dale Hancock (4)	63,024	0	63,024	NA	63,024	84.5	746
SFB-funded Navarrete Elementary (4)	73,954	10,930	63,024	NA	63,024	84.5	746
SFB-funded Ryan Elementary (5)	76,500	0	76,500	NA	76,500	84.5	905
SFB-funded Independence Campus (6)	63,011	0	63,011	NA	63,011	84.5	746
SFB-funded Fulton	86,227	1,447	84,780	NA	84,780	84.5	1,003
SFB-funded Riggs	90,643	1,723	88,920	NA	88,920	84.5	1,052
SFB-funded Charlotte Patterson (opened FY 09)	84,900	0	84,900	NA	84,900	84.5	1,005
SFB-funded Haley (opened FY 09)	86,258	38	86,220	NA	86,220	84.5	1,020
Chandler CARE Center (3)	4,608	4,608	0	NA	0	84.5	0
John and Carol Carlson Elementary	80,178	80,178	0	NA	0	84.5	0
Total K-6	**1,987,472**	**218,694**	**1,768,778**	**21,785**	**1,746,993**		**19,516**

Square Footage and Capacity by School
Chandler Unified District
K-12

Bogle Junior High School	131,951	0	131,951	5,204	126,747	95.2	1,331
John M Andersen Jr High School	122,640	0	122,640	4,863	117,777	95.2	1,237
Willis Junior High School	120,058	18,199	101,859	1,701	100,158	95.2	1,052
Arizona College Prep - Oakland Campus (formerly Chandler Traditional JH)	62,615	0	62,615	0	62,615	95.2	658
SFB-funded Santan Junior High	98,463	13,463	85,000	NA	85,000	84.5	1,006
SFB-funded Willie and Coy Payne	120,082	82	120,000	NA	120,000	84.5	1,420
Chandler CARE Center (3)	1,418	1,418	0	NA	0	84.5	0
Ken Chief Hill Learning Academy (7-8 portion only) (7)	8,511	8,511	0	NA	0	84.5	0
Total 7-8	**665,738**	**41,673**	**624,065**	**11,768**	**612,297**		**6,704**
Chandler High School	431,208	60,689	370,519	31,019	339,500	95.2	3,566
Hamilton High School	390,127	24,993	365,134	36,265	328,869	95.2	3,455
Arizona College Prep - Erie Campus (reconfigured from K-6 to 9-12 4/6/11)	52,466	0	52,466	2,405	50,061	95.2	526
Additional space built at Erie Campus FY12	19,234	19,234	0	NA	0	84.5	0
SFB-funded Basha High School	316,215	41,215	275,000	NA	275,000	84.5	3,254
SFB-funded Perry High	354,489	41,989	312,500	NA	312,500	84.5	3,698
Chandler CARE Center (3)	2,836	2,836	0	NA	0	84.5	0
Ken Chief Hill Learning Academy (9-12 portion only) (7)	17,023	17,023	0	NA	0	84.5	0
Total 9-12	**1,583,598**	**207,979**	**1,375,619**	**69,689**	**1,305,930**		**14,499**

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

(2) The majority of this school is excludable because it was built with unrestricted capital outlay funds prior to June 30, 2002.

(3) Pro-rated to elementary, middle, and high school square footage assuming equal distributions among grade levels assuming Kindergarten grade level counts as one-half.

(4) Approved for 63,016 SF, but actual square footage built was 63,024 SF. The district did not add any square footage with local funds. Therefore, the entire square footage amount was funded by SFB.

(5) Although district reported 76,497 square feet actually built, the entire SFB-funded amount (76,500 SF) counts against district's capacity.

(6) Approved for 63,000 SF, but actual square footage built was 63,011 SF. The district did not add any square footage with local funds. Therefore, the entire square footage amount was funded by SFB.

(7) Pro-rated to middle and high school square footage assuming equal distributions among grade levels.

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

Local Funds Report
Chandler Unified District

1/27/2015

K-6 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Various projects	86,497								
Fulton addition	1,447								
Riggs addition	1,723								
Hartford bldgs 1010 and 1011 (FY 08)	8,012								
Haley addition (FY 08)	38								
Glaveston addition (FY 09)	4,245								
C.A.R.E. Center at Galveston (FY 10)	4,608								
John and Carol Carlson Elementary (FY 12)	80,178								
Frye entry / Office renovation (FY 13)	446								
New district-funded K-6			90,845						
Cumulative Total	187,194	187,194	278,039	278,039	278,039	278,039	278,039	278,039	278,039
ADM Projections	20,840	21,120	21,095	21,094	21,061	21,041	20,972	20,997	21,099
x Minimum adequacy factor	80	80	80	80	80	80	80	80	80
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	416,793	422,408	421,900	421,872	421,213	420,814	419,446	419,935	421,978
Square Footage to be built in excess of 25% threshold (1)	0	0	0	0	0	0	0	0	0
Capacity of excess square footage	0	0	0	0	0	0	0	0	0

Local Funds Report
Chandler Unified District

1/27/2015

7-8 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Various projects	787								
Santan Jr. High Addition FY 07	12,758								
Willis Jr. High Addition FY 07	18,199								
Ken "Chief" Hill (FY 10)	8,511								
C.A.R.E. Center at Galveston (FY 10)	1,418								
New district-funded 7-12 (pro-rated)			80,501						
Cumulative Total	41,673	41,673	122,174	122,174	122,174	122,174	122,174	122,174	122,174
ADM Projections	6,315	6,495	6,685	6,765	6,869	6,938	7,013	6,964	6,767
x Minimum adequacy factor	80	80	80	80	80	80	80	80	80
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	126,303	129,896	133,699	135,303	137,381	138,768	140,257	139,281	135,333
Square Footage to be built in excess of 25% threshold (1)	0	0	0	0	0	0	0	0	0
Capacity of excess square footage	0	0	0	0	0	0	0	0	0

Local Funds Report
Chandler Unified District

1/27/2015

9-12 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Various projects	62,493								
Perry High FY 07	19,368								
Perry High FY 09	6,519								
Ken "Chief" Hill (FY 10)	17,023								
C.A.R.E. Center at Galveston (FY 10)	2,836								
Erie bldg. 1011 (FY 12)	19,234								
New district-funded 7-12 (pro-rated)			161,001						
Cumulative Total	127,473	127,473	288,474	288,474	288,474	288,474	288,474	288,474	288,474
ADM Projections	12,397	12,927	13,351	13,728	14,114	14,322	14,602	14,722	14,870
x Minimum adequacy factor	94	94	94	94	94	94	94	94	94
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	291,323	303,784	313,746	322,610	331,672	336,577	343,137	345,961	349,443
Square Footage to be built in excess of 25% threshold (1)	0	0	0	0	0	0	0	0	0
Capacity of excess square footage	0	0	0	0	0	0	0	0	0

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

Local Funds Report (K-12)
Chandler Unified District

1/27/2015

K-12 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Various projects	86,497								
Fulton addition	1,447								
Riggs addition	1,723								
Hartford bldgs 1010 and 1011 (FY 08)	8,012								
Haley addition (FY 08)	38								
Glaveston addition (FY 09)	4,245								
C.A.R.E. Center at Galveston (FY 10)	4,608								
John and Carol Carlson Elementary (FY 12)	80,178								
Frye entry / Office renovation (FY 13)	446								
New district-funded K-6			90,845						
Various projects	787								
Santan Jr. High Addition FY 07	12,758								
Willis Jr. High Addition FY 07	18,199								
Ken "Chief" Hill (FY 10)	8,511								
C.A.R.E. Center at Galveston (FY 10)	1,418								
New district-funded 7-12 (pro-rated)			80,501						
Various projects	62,493								
Perry High FY 07	19,368								
Perry High FY 09	6,519								
Ken "Chief" Hill (FY 10)	17,023								
C.A.R.E. Center at Galveston (FY 10)	2,836								
Erie bldg. 1011 (FY 12)	19,234								
New district-funded 7-12 (pro-rated)			161,001						
Cumulative Total	356,340	356,340	688,687	688,687	688,687	688,687	688,687	688,687	688,687
ADM Projections	39,552	40,542	41,131	41,587	42,043	42,302	42,587	42,683	42,735
x Minimum adequacy factor	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	835,526	856,454	868,889	878,522	888,167	893,619	899,643	901,669	902,786
Square Footage to be built in excess of 25% threshold (1)	0	0	0	0	0	0	0	0	0
Capacity of excess square footage	0	0	0	0	0	0	0	0	0

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

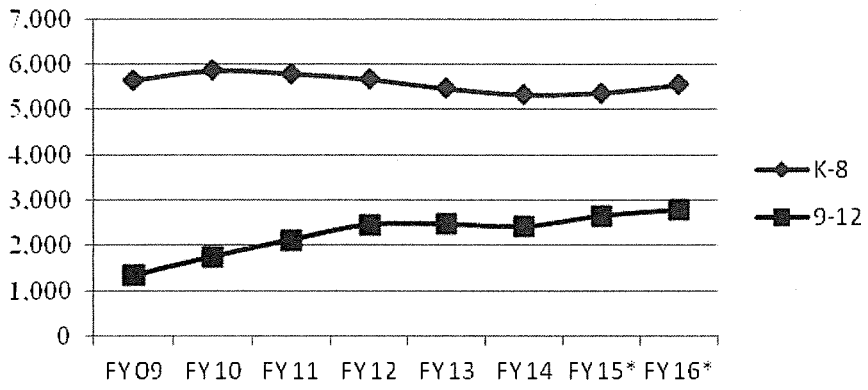
Florence Unified School District

District Overview

Florence Unified School District is located in the center of Pinal County along State Highway 79. It is situated between the Phoenix and Tucson metro areas. The District currently has seven K-8 elementary schools (Johnson Ranch Elementary and Walker Butte Elementary have been combined and are counted as one school) and two high schools serving approximately 8,000 ADM.

District ADM History

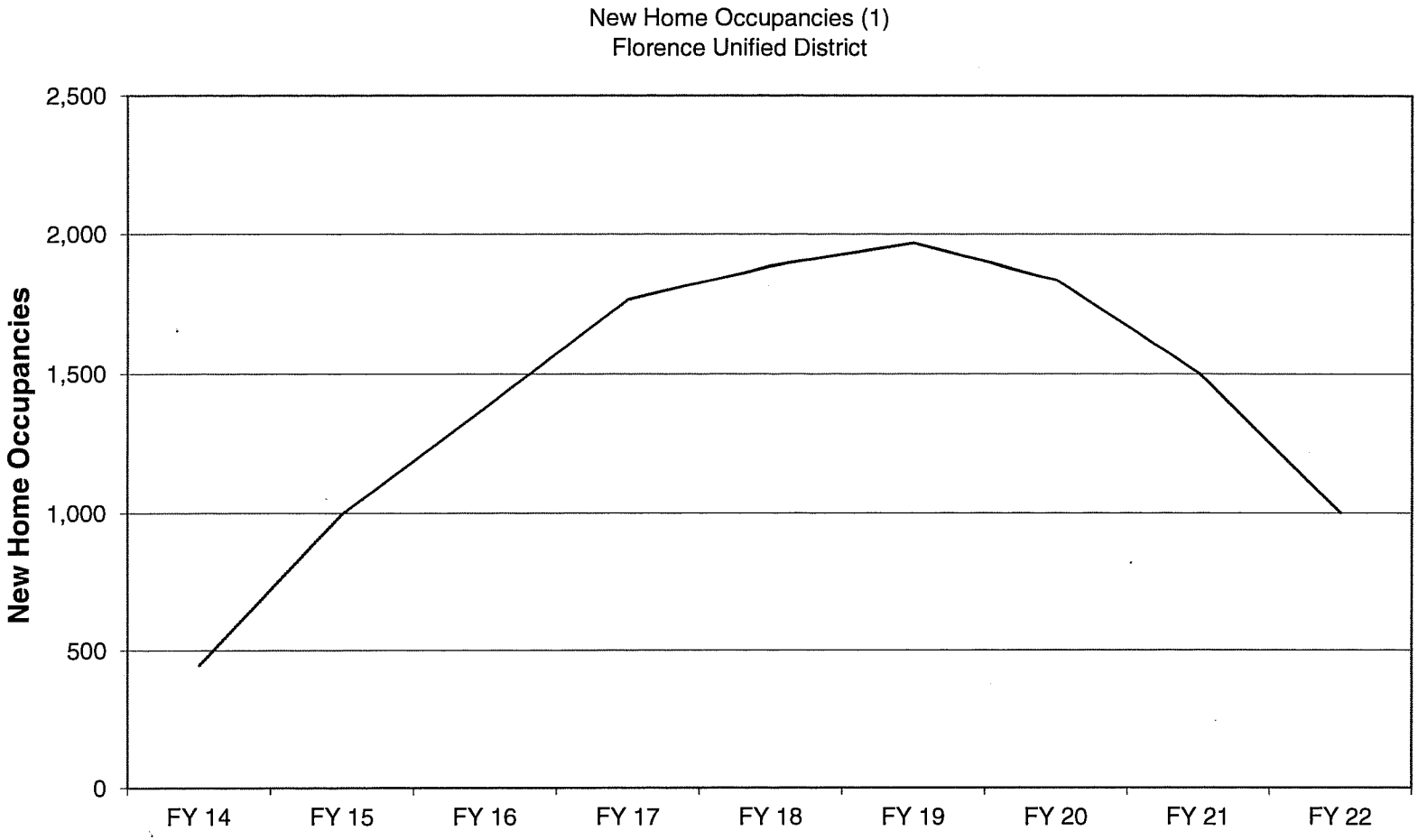
Over the past five years, the District's ADM growth rate dropped from 8.9% in FY 10 to -2.4% in FY 13 and FY 14. The annualized growth rate for the five-year period was 2.1%.



*FY 15 and FY 16: ADM projections

District Outlook

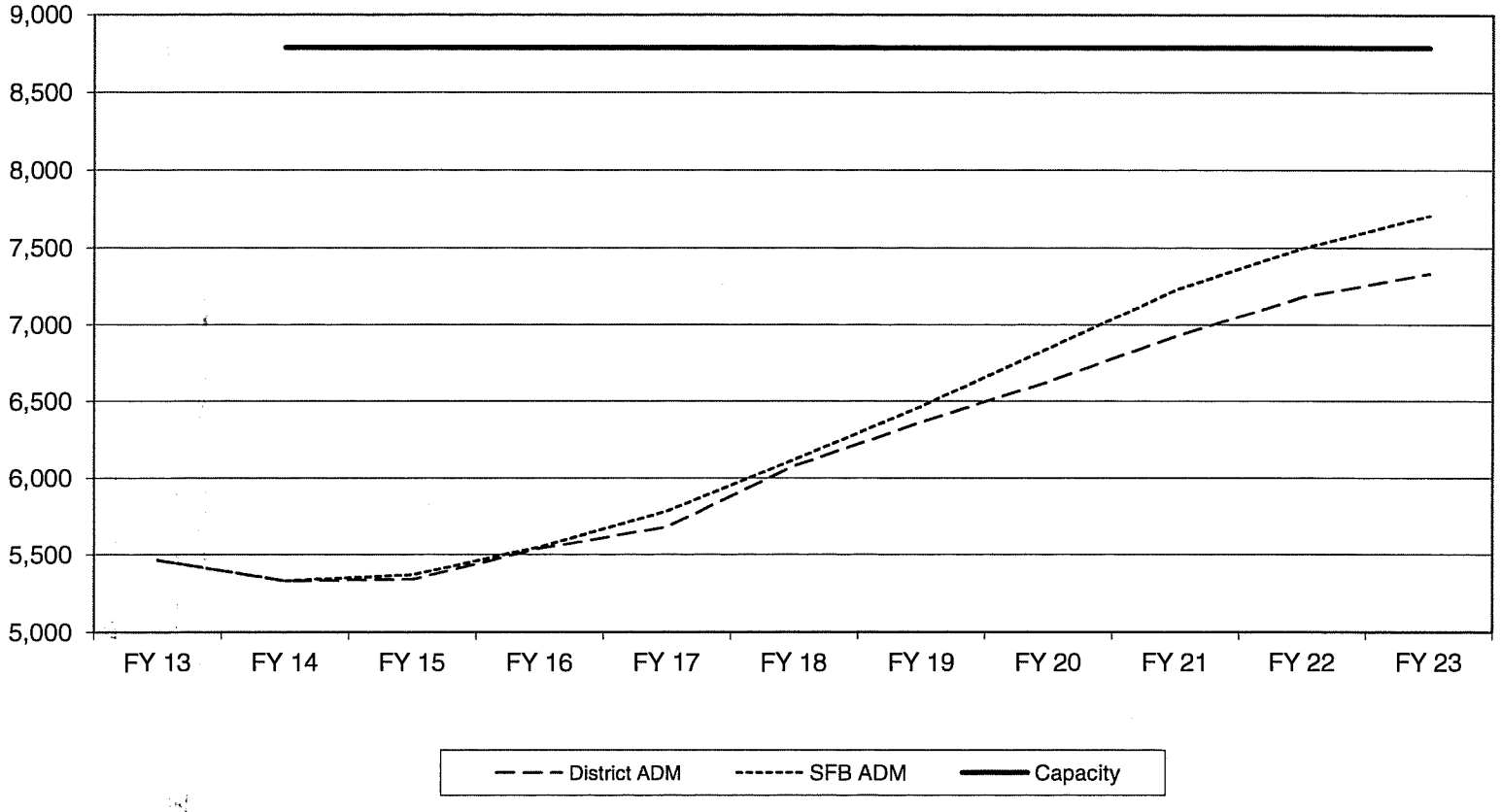
During the decade 2001-2010, more than 15,000 new housing units were added to the District, fueling ADM growth from 1,408 in FY 01 to 7,608 in FY 10. Between FY 11 and FY 14, the total new housing units numbered approximately 1,100. The first charter school (K-6) located inside the district boundary opened in FY 15 with an enrollment of more than 230 students. However, nearby charter schools in neighboring Queen Creek and Coolidge Unified Districts have experienced an overall decline in enrollment. With the housing market continuing to improve in the area, the District's ADM is expected to slightly increase by 0.8% at the K-8 level, and to increase by 9.8% at the 9-12 level this year. The District has a promising outlook in long-term new construction growth. SFB staff projects that the District will experience continuous ADM growth in the approximate range of 4.0-6.5% for most years in the analysis timeframe, barring unforeseen conditions.



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

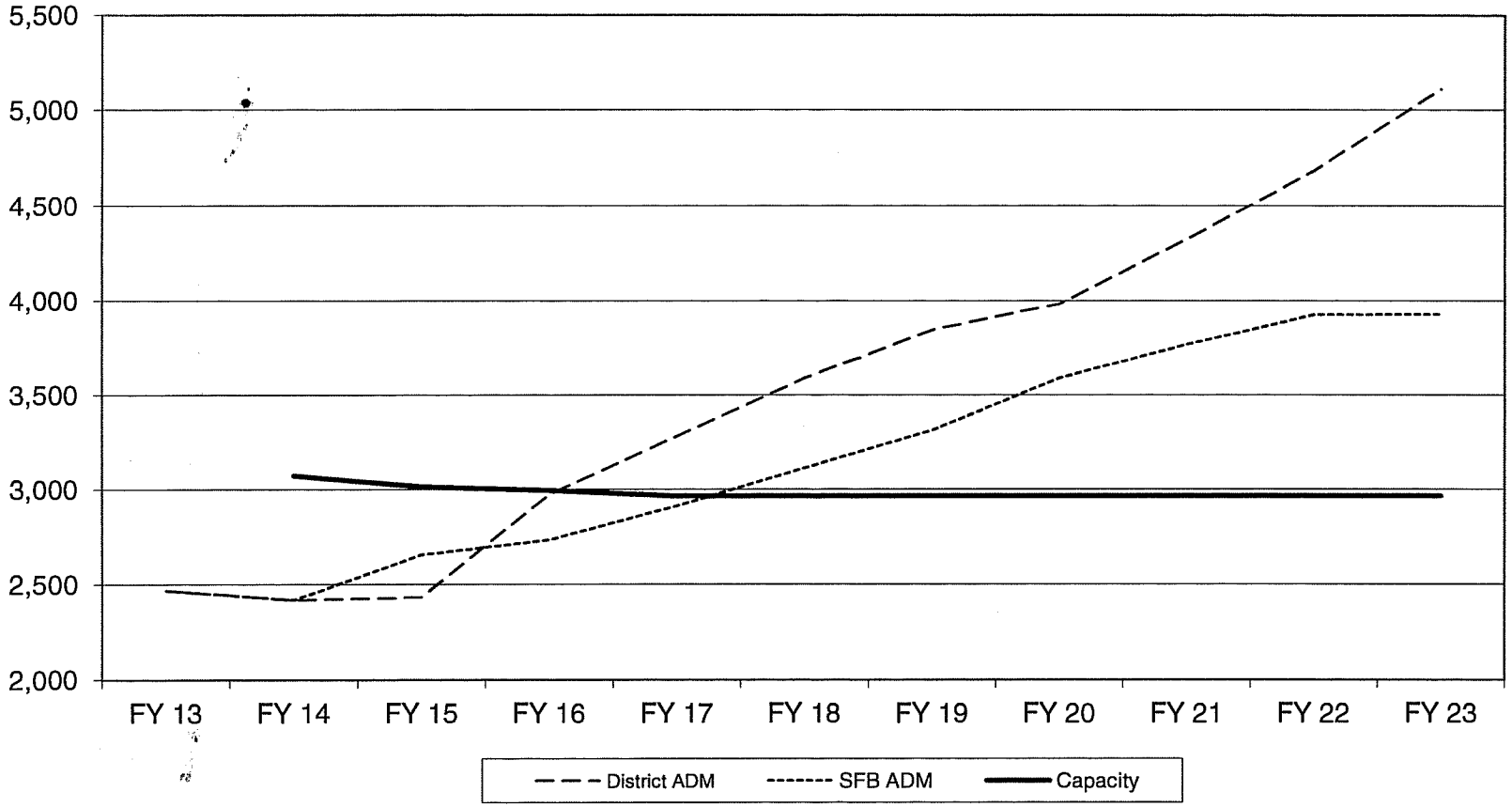
FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
446	997	1,379	1,768	1,888	1,968	1,839	1,504	1,000	12,790

K-8 Graph
Florence Unified District



K-8	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	5,465	5,330	5,341	5,541	5,679	6,080	6,364	6,630	6,927	7,184	7,332
SFB ADM	5,465	5,330	5,370	5,552	5,784	6,121	6,468	6,847	7,227	7,498	7,708
Capacity		8,786	8,786	8,786	8,786	8,786	8,786	8,786	8,786	8,786	8,786

9-12 Graph
Florence Unified District



9-12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	2,468	2,417	2,433	2,973	3,280	3,590	3,845	3,983	4,325	4,680	5,110
SFB ADM	2,468	2,417	2,655	2,732	2,912	3,113	3,313	3,590	3,768	3,923	3,926
Capacity		3,073	3,014	2,995	2,965	2,965	2,965	2,965	2,965	2,965	2,965

SCHOOL FACILITIES BOARD

2015 New Construction Analysis
Florence Unified District
CTD – 110201
(9-12)

District New Construction Request

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
			9-12 for 1,200 (017N)				

Staff Notes Regarding District's Request: Project 017N was conceptually-approved last year to be approved in FY 19. The District does not have any land in inventory for future schools.

Staff Recommendation for February 4, 2015

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
			9-12 for 1,200 (017N) (Conceptual)				

Note: The actual capacity of a 1,200-student 9-12 school in this district would be 1,596 students.

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

9-12	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	2,965	2,965	2,965	2,965	2,965	2,965	2,965	2,965	2,965	2,965
District-funded Capacity (2)	108	49	30	-	-	-	-	-	-	-
Total Student Capacity	**3,073**	**3,014**	**2,995**	**2,965**	**2,965**	**2,965**	**2,965**	**2,965**	**2,965**	**2,965**
District's ADM Projections	**2,417**	**2,433**	**2,973**	**3,280**	**3,590**	**3,845**	**3,983**	**4,325**	**4,680**	**5,110**
ADM Growth Rate	-2.1%	0.7%	22.2%	10.3%	9.5%	7.1%	3.6%	8.6%	8.2%	9.2%
Number of Students for which new space is required (3)		-	-	315	625	880	1,018	1,360	1,715	2,145
SFB Recommended ADM Projections	**2,417**	**2,655**	**2,732**	**2,912**	**3,113**	**3,313**	**3,590**	**3,768**	**3,923**	**3,926**
ADM Growth Rate	-2.1%	9.8%	2.9%	6.6%	6.9%	6.4%	8.4%	5.0%	4.1%	0.1%
Number of Students for which new space is required (3)		-	-	-	148	348	625	803	958	961

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

FEBRUARY 4, 2015 STAFF RECOMMENDATION

The staff recommendation is to conceptually approve:

Project Number / Description	Grade Config.	Design Capacity	SF per Student	Square Feet	Actual Capacity	Approval FY
017N - New school	9-12	1,200	125	150,000	1,596	FY 18

ADM Projections
Florence Unified District

1/23/2015

District Provided ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	5,465	5,330	5,341	5,541	5,679	6,080	6,364	6,630	6,927	7,184	7,332
% change		-2.5%	0.2%	3.7%	2.5%	7.1%	4.7%	4.2%	4.5%	3.7%	2.1%
9 - 12	2,468	2,417	2,433	2,973	3,280	3,590	3,845	3,983	4,325	4,680	5,110
% change		-2.1%	0.7%	22.2%	10.3%	9.5%	7.1%	3.6%	8.6%	8.2%	9.2%
Total	7,933	7,746	7,774	8,514	8,959	9,670	10,209	10,613	11,252	11,864	12,442
% change		-2.4%	0.4%	9.5%	5.2%	7.9%	5.6%	4.0%	6.0%	5.4%	4.9%

SFB ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	5,465	5,330	5,370	5,552	5,784	6,121	6,468	6,847	7,227	7,498	7,708
% change		-2.5%	0.8%	3.4%	4.2%	5.8%	5.7%	5.9%	5.5%	3.7%	2.8%
9 - 12	2,468	2,417	2,655	2,732	2,912	3,113	3,313	3,590	3,768	3,923	3,926
% change		-2.1%	9.8%	2.9%	6.6%	6.9%	6.4%	8.4%	5.0%	4.1%	0.1%
Total	7,933	7,746	8,024	8,284	8,695	9,234	9,781	10,437	10,995	11,420	11,633
% change		-2.4%	3.6%	3.2%	5.0%	6.2%	5.9%	6.7%	5.3%	3.9%	1.9%

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

SFB ADM Forecast - Last Year	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	5,465	5,383	5,350	5,480	5,626	5,892	6,202	6,577	7,009	7,401	7,880
% change		-1.5%	-0.6%	2.4%	2.7%	4.7%	5.3%	6.1%	6.6%	5.6%	6.5%
9 - 12	2,468	2,404	2,478	2,546	2,732	2,881	3,065	3,283	3,402	3,604	3,682
% change		-2.6%	3.1%	2.7%	7.3%	5.5%	6.4%	7.1%	3.6%	5.9%	2.2%
Total	7,933	7,787	7,828	8,026	8,358	8,773	9,267	9,860	10,411	11,005	11,562
% change		-1.8%	0.5%	2.5%	4.1%	5.0%	5.6%	6.4%	5.6%	5.7%	5.1%

ADM History
Florence Unified District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
K - 8	5,651	5,860	5,796	5,665	5,465	5,330	
% change		3.7%	-1.1%	-2.3%	-3.5%	-2.5%	-1.2%
9 - 12	1,335	1,748	2,123	2,460	2,468	2,417	
% change		30.9%	21.5%	15.9%	0.3%	-2.1%	12.6%
Total	6,986	7,608	7,919	8,125	7,933	7,746	
% change		8.9%	4.1%	2.6%	-2.4%	-2.4%	2.1%

Square Footage and Capacity by School
Florence Unified District

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
Florence Elementary (operates with Florence Middle as Florence K-8)	51,120	10,500	40,620	2,213	38,407	88.5	434
Florence K-8 addition (2)	61,260	45,774	15,486	1,549	13,937	88.5	157
Florence Middle (operates with Florence Elementary as Florence K-8)	27,277	0	27,277	0	27,277	88.5	308
SFB-funded library space at Florence M.S. added through Deficiency Corrections	1,542	NA	1,542	NA	1,542	80.9	19
SFB-funded Walker Butte	101,141	0	101,141	NA	101,141	80.9	1,250
Johnson Ranch (donated school which operates as one school with Walker Butte)	29,397	9,000	20,397	0	20,397	88.5	230
SFB-funded additional space at Johnson Ranch	3,913	0	3,913	NA	3,913	80.9	48
SFB-funded Copper Basin	101,640	0	101,640	NA	101,640	80.9	1,256
SFB-funded Skyline Ranch	101,640	0	101,640	NA	101,640	80	1,271
SFB-funded Anthem	101,640	0	101,640	NA	101,640	80	1,271
SFB-funded Circle Cross Ranch	101,640	0	101,640	NA	101,640	80	1,271
SFB-funded Magma Ranch	101,675	35	101,640	NA	101,640	80	1,271
Total K-8	**783,885**	**65,309**	**718,576**	**3,762**	**714,814**		**8,786**
Florence High School	71,280	1,195	70,085	1,587	68,498	129.5	529
SFB-funded additional space at existing high school	72,520	NA	72,520	NA	72,520	120	604
SFB-funded cafeteria space provided through Deficiency Corrections	3,000	NA	3,000	NA	3,000	120	25
District-funded addition at Florence HS (FY 02 and 03)	1,552	0	1,552	29	1,523	127	12
District-funded addition at Florence HS (3)	18,000	15,105	2,895	NA	2,895	94	31
SFB-funded Poston Butte (005N) (opened FY 10)	205,010	4,010	201,000	NA	201,000	112	1,795
District-funded addition at Poston Butte (3)	45,367	38,070	7,297	NA	7,297	94	78
Total 9-12	**416,729**	**58,380**	**358,349**	**1,616**	**356,733**		**3,073**

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

(2) Built with B bonds. 4,986 SF is replacement space for Building 1007 at Florence Middle School. 10,500 SF is replacement space for Building 1001 at Florence Elementary School.

(3) Square footage of this district-funded facility exceeds excluded space threshold. See Local Funds page for excludable area which varies each year based on

Note: Space funded by the SFB or B bonds is not adjusted for interior corridors.

Local Funds Report
Florence Unified District

1/23/2015

K-8 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Johnson Ranch bldgs. 1015-1019 (FY 04)	9,000									
Florence K-8 addition (net of replacement space) (FY 07)	45,774									
Magma Ranch addition (FY 09)	35									
Cumulative Total	54,809	54,809	54,809	54,809	54,809	54,809	54,809	54,809	54,809	54,809
ADM Projections	5,330	5,370	5,552	5,784	6,121	6,468	6,847	7,227	7,498	7,708
x Minimum adequacy factor	80	80	80	80	80	80	80	80	80	80
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	106,591	107,392	111,033	115,671	122,423	129,364	136,949	144,548	149,953	154,153
Square Footage to be built in excess of 25% threshold (1)	0	0	0	0	0	0	0	0	0	0
Capacity of excess square footage	0	0	0	0	0	0	0	0	0	0

9-12 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Poston Butte district-funded central plant (FY09)	3,624									
FHS Practice Gym (FY10)	18,000									
Poston Butte practice gym (FY10)	45,367									
Cumulative Total	66,991	66,991	66,991	66,991	66,991	66,991	66,991	66,991	66,991	66,991
ADM Projections	2,417	2,655	2,732	2,912	3,113	3,313	3,590	3,768	3,923	3,926
x Minimum adequacy factor	94	94	94	94	94	94	94	94	94	94
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	56,799	62,386	64,205	68,424	73,152	77,849	84,357	88,543	92,186	92,250
Square Footage to be built in excess of 25% threshold (1)	10,192	4,605	2,786	0	0	0	0	0	0	0
Capacity of excess square footage	108	49	30	0	0	0	0	0	0	0

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

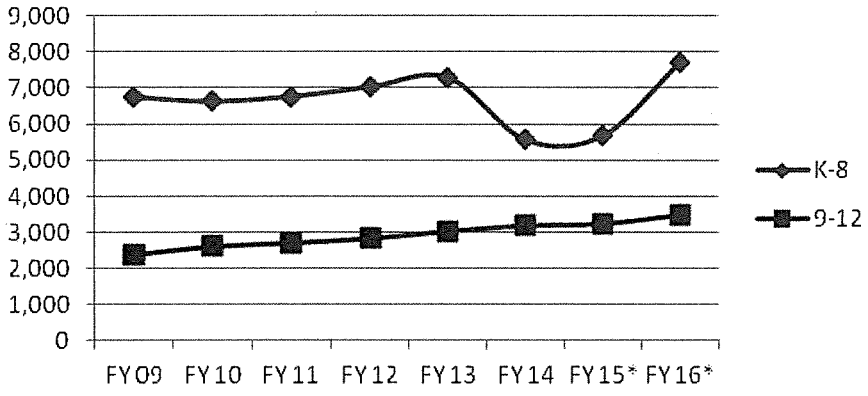
Higley Unified School District

District Overview

Higley Unified School District is located about 35 miles southeast of downtown Phoenix. The District is surrounded by the Chandler, Gilbert and Queen Creek School Districts. In FY 14, the District leased and chartered the newly built Sossaman Middle School and Cooley Middle School. The District currently has eight K-8 schools (which currently only serve grades K through 6 as the District has moved all 7th and 8th graders to the leased charter schools) and two high schools serving nearly 9,000 ADM.

District ADM History

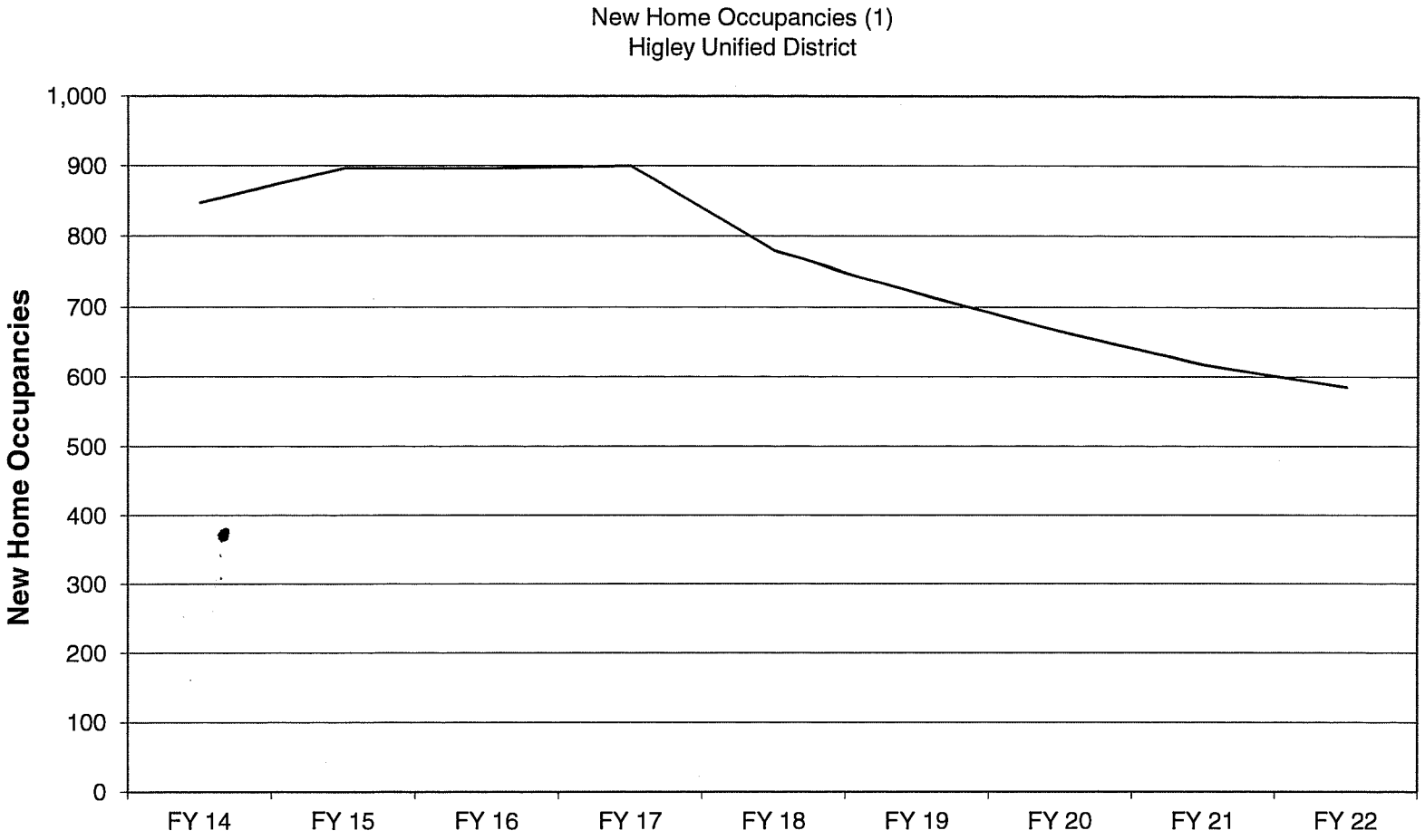
The District's ADM went through a hyper growth mode during the first half of the decade from 2000 to 2010, reaching 6,693 in FY 06 from 675 in FY 01. Growth rates stayed below 5.0% from FY 10 to FY 13 and turned negative to -15.1% in FY 14 due to the conversion of 7th and 8th graders to charter students. The annualized growth rate for the past five years was -0.8%.



*FY 15 and FY 16: ADM projections

District Outlook

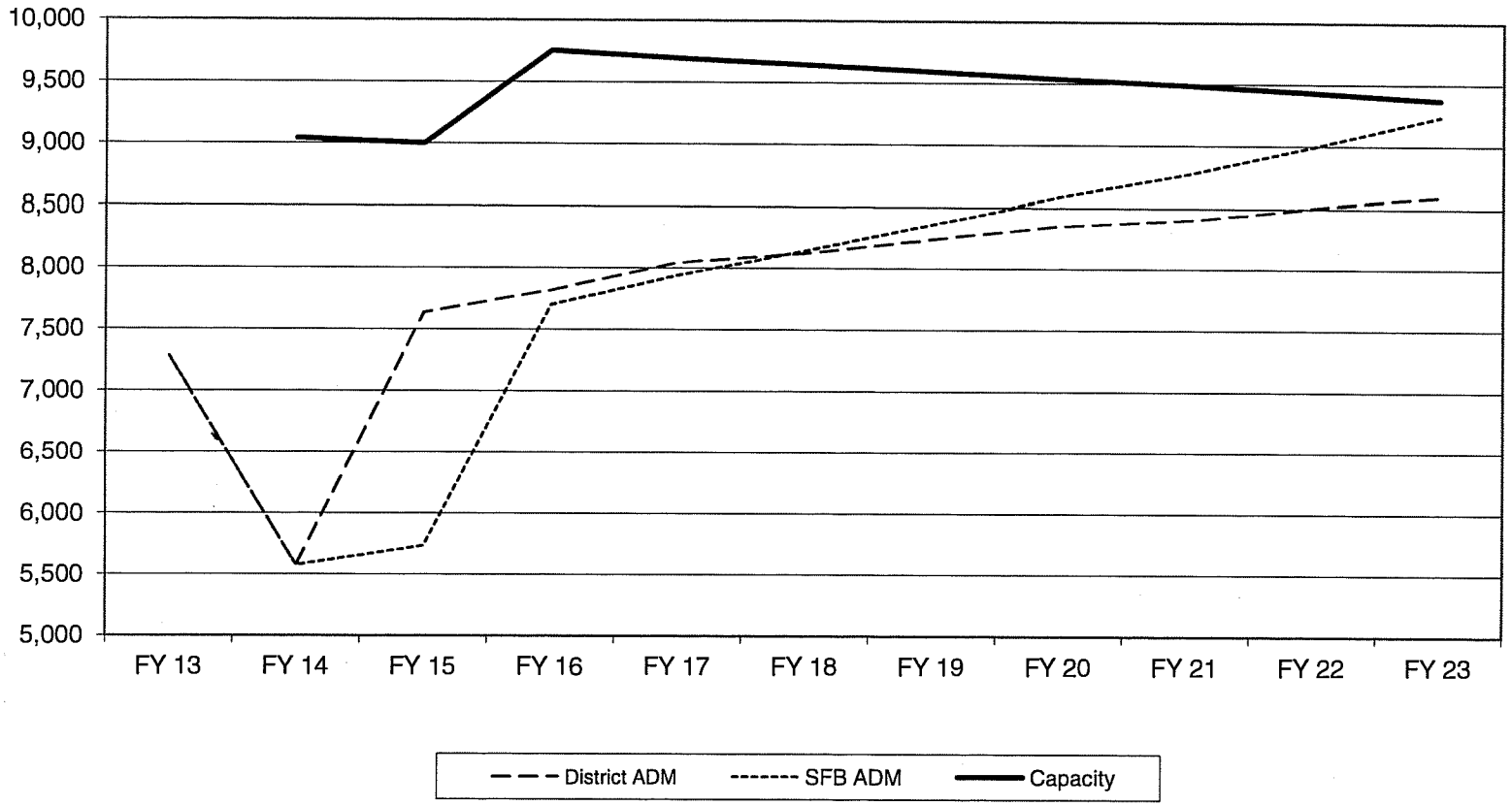
During the past decade, unlike many other school districts that experienced dramatic growth and declines during the housing boom and bust years, this district's ADM never declined until the District chartered two newly built middle schools for 7th and 8th graders in FY 14. This year, the overall ADM is forecasted to grow 2.4%. The non-district sponsored charter schools inside the district boundary expanded in FY 15 with a total of 253 students added at the K-8 level and 361 at the 9-12 level according to a charter enrollment report by ADE. As the two district sponsored charter schools convert to district schools next year (FY 16), these schools' ADM will be counted as district ADM. Barring unforeseen charter expansion, the District's ADM is projected to undergo consistent growth with rates ranging between 1.5-3.5% per year during the projection cycle thanks to its location in the Southeast Valley and higher birth numbers during the last few years.



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

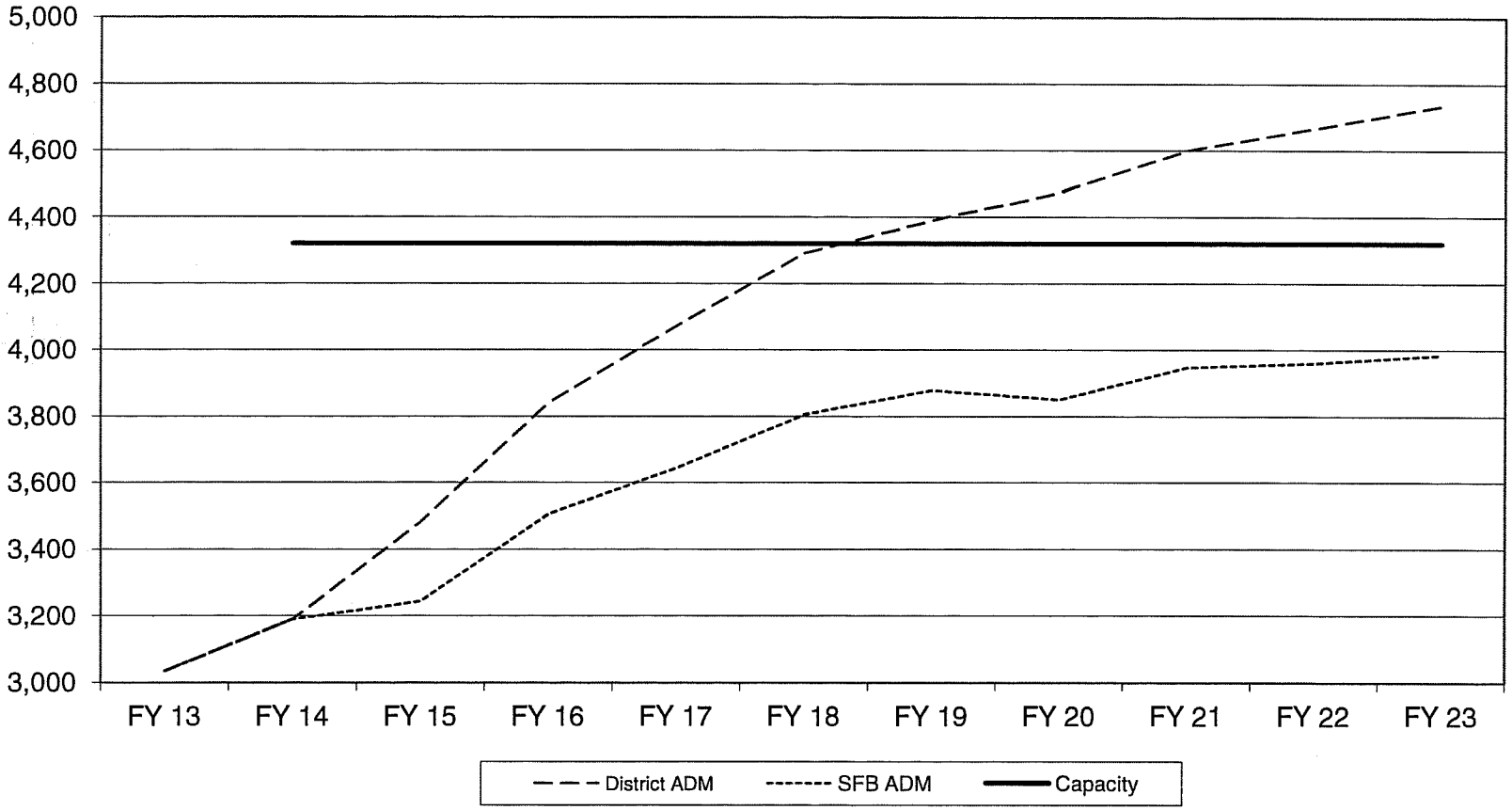
FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
847	896	896	900	780	720	665	618	585	6,908

K-8 Graph
Higley Unified District



K-8	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	7,283	5,574	7,639	7,820	8,044	8,122	8,240	8,348	8,401	8,507	8,590
SFB ADM	7,283	5,574	5,733	7,700	7,940	8,143	8,358	8,583	8,768	8,993	9,238
Capacity		9,039	8,999	9,757	9,697	9,646	9,593	9,536	9,490	9,434	9,373

9-12 Graph
Higley Unified District



9-12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	3,034	3,189	3,481	3,841	4,072	4,292	4,390	4,477	4,600	4,667	4,735
SFB ADM	3,034	3,189	3,244	3,505	3,644	3,805	3,879	3,851	3,947	3,960	3,985
Capacity		4,322	4,322	4,322	4,322	4,322	4,322	4,322	4,322	4,322	4,322

SCHOOL FACILITIES BOARD

2015 New Construction Analysis
Higley Unified District
CTD – 070260
(K-8)

District New Construction Request

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
	K-6 for 1,000 students						

Staff Notes Regarding District's Request: This project was not conceptually approved last year. The District has three K-8 sites in inventory for future schools.

Staff Recommendation for February 4, 2015

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

K-8	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	8,660	8,660	8,660	8,660	8,660	8,660	8,660	8,660	8,660	8,660
District-funded Capacity (2)	379	339	1,097	1,037	987	933	877	830	774	713
Total Student Capacity	**9,039**	**8,999**	**9,757**	**9,697**	**9,646**	**9,593**	**9,536**	**9,490**	**9,434**	**9,373**
District's ADM Projections	**5,574**	**7,639**	**7,820**	**8,044**	**8,122**	**8,240**	**8,348**	**8,401**	**8,507**	**8,590**
ADM Growth Rate	-23.5%	37.1%	2.4%	2.9%	1.0%	1.5%	1.3%	0.6%	1.3%	1.0%
Number of Students for which new space is required (3)		-	-	-	-	-	-	-	-	-
SFB Recommended ADM Projections	**5,574**	**5,733**	**7,700**	**7,940**	**8,143**	**8,358**	**8,583**	**8,768**	**8,993**	**9,238**
ADM Growth Rate	-23.5%	2.9%	34.3%	3.1%	2.6%	2.6%	2.7%	2.2%	2.6%	2.7%
Number of Students for which new space is required (3)		-	-	-	-	-	-	-	-	-

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

FEBRUARY 4, 2015 STAFF RECOMMENDATION

No conceptual approval.

ADM Projections
Higley Unified District

1/23/2015

District Provided ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	7,283	5,574	7,639	7,820	8,044	8,122	8,240	8,348	8,401	8,507	8,590
% change		-23.5%	37.1%	2.4%	2.9%	1.0%	1.5%	1.3%	0.6%	1.3%	1.0%
9 - 12	3,034	3,189	3,481	3,841	4,072	4,292	4,390	4,477	4,600	4,667	4,735
% change		5.1%	9.2%	10.3%	6.0%	5.4%	2.3%	2.0%	2.7%	1.5%	1.5%
Total	10,316	8,762	11,120	11,661	12,116	12,414	12,630	12,825	13,001	13,174	13,325
% change		-15.1%	26.9%	4.9%	3.9%	2.5%	1.7%	1.5%	1.4%	1.3%	1.1%

SFB ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	7,283	5,574	5,733	7,700	7,940	8,143	8,358	8,583	8,768	8,993	9,238
% change		-23.5%	2.9%	34.3%	3.1%	2.6%	2.6%	2.7%	2.2%	2.6%	2.7%
9 - 12	3,034	3,189	3,244	3,505	3,644	3,805	3,879	3,851	3,947	3,960	3,985
% change		5.1%	1.7%	8.1%	4.0%	4.4%	1.9%	-0.7%	2.5%	0.3%	0.6%
Total	10,316	8,762	8,976	11,205	11,583	11,948	12,237	12,434	12,715	12,953	13,223
% change		-15.1%	2.4%	24.8%	3.4%	3.1%	2.4%	1.6%	2.3%	1.9%	2.1%

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

SFB ADM Forecast - Last Year	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	7,283	5,616	5,702	5,780	5,922	6,048	6,175	6,340	6,523	6,703	6,865
% change		-22.9%	1.5%	1.4%	2.5%	2.1%	2.1%	2.7%	2.9%	2.8%	2.4%
9 - 12	3,034	3,181	3,350	3,611	3,790	3,989	4,029	4,039	4,070	4,036	4,034
% change		4.8%	5.3%	7.8%	5.0%	5.2%	1.0%	0.3%	0.8%	-0.8%	0.0%
Total	10,316	8,797	9,052	9,391	9,712	10,038	10,204	10,380	10,592	10,740	10,899
% change		-14.7%	2.9%	3.7%	3.4%	3.4%	1.7%	1.7%	2.0%	1.4%	1.5%

ADM History
Higley Unified District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
K - 8	6,745	6,628	6,760	7,027	7,283	5,574	
% change		-1.7%	2.0%	4.0%	3.6%	-23.5%	-3.7%
9 - 12	2,395	2,613	2,712	2,837	3,034	3,189	
% change		9.1%	3.8%	4.6%	6.9%	5.1%	5.9%
Total	9,141	9,241	9,472	9,864	10,316	8,762	
% change		1.1%	2.5%	4.1%	4.6%	-15.1%	-0.8%

Square Footage and Capacity by School
Higley Unified District

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
Higley Elementary (1)	38,148	6,677	31,471	1,606	29,865	88.5	337
SFB-funded additional space at Higley Elementary (2)	53,130	0	53,130	NA	53,130	80.9	657
SFB-funded Coronado (3)	98,408	3,654	94,754	NA	94,754	80.9	1,171
SFB-funded San Tan (4)	114,534	3,654	110,880	NA	110,880	80.9	1,371
SFB-funded Power Ranch (5)	110,880	0	110,880	NA	110,880	80.9	1,371
SFB-funded Gateway Pointe (6)	94,710	51	94,659	NA	94,659	80.0	1,183
SFB-funded Cortina	110,880	0	110,880	NA	110,880	80.0	1,386
SFB-funded Chaparral (7)	94,710	0	94,710	NA	94,710	80.0	1,184
District-funded addition to Chaparral	16,169	16,169	0	NA	0	80.0	0
Centennial Elementary (8)	112,957	82,641	30,316	NA	30,316	80.0	379
Total K-8 Square Footage	**844,526**	**112,846**	**731,680**	**1,606**	**730,074**		**9,039**
SFB-funded school (Higley High)	265,318	37,518	227,800	NA	227,800	120	1,898
District-funded addition to Higley High	11,700	11,700	0	NA	0	94	0
SFB-funded Williamsfield HS	227,800	0	227,800	NA	227,800	94	2,423
Total 9-12 Square Footage	**504,818**	**49,218**	**455,600**	**0**	**455,600**		**4,322**

(1) Includes 11,100 of replacement square footage provided through Deficiency Corrections.

(2) District reported only 53,084 actually built, but the entire SFB-funded amount (53,130 SF) is included in capacity analysis.

(3) SFB originally approved 94,710 SF, but district reported 94,754 SF actually built (additional square footage came in under budget, and therefore was funded by SFB also).

(4) District reported only 110,878 actually built, but the entire SFB-funded amount (110,880 SF) is included in capacity analysis.

(5) SFB originally approved 110,871 SF, but district reported 110,880 SF actually built (additional square footage came in under budget, and therefore was funded by SFB also).

(6) District reported 94,710 SF actually built. SFB funded 94,659. Difference of 51 SF funded by district with B bonds.

(7) Originally approved for 94,710 SF. Designed for 94,750 SF. District reported 94,710 SF actually built.

(8) Square footage of this district-funded facility exceeds excluded space threshold. See Local Funds page for excludable area which varies each year based on ADM.

Note: Schools funded by the SFB or with B bonds are not adjusted for interior corridors.

Local Funds Report
Higley Unified District

1/23/2015

K-8 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
B bond addition to Coronado (FY 05)	3,654									
B bond addition to San Tan (FY 05)	3,654									
B bond addition to Gateway Pointe (FY 06)	51									
B bond addition to Higley Elementary (FY 06)	5,301									
New Centennial Elementary School (FY 10)	112,957									
B bond addition to Chaparral (400 B building) (FY 10)	16,169									
New school in "The Bridges"			100,000							
Cumulative Total	141,786	141,786	241,786	241,786	241,786	241,786	241,786	241,786	241,786	241,786
ADM Projections	5,574	5,733	7,700	7,940	8,143	8,358	8,583	8,768	8,993	9,238
x Minimum adequacy factor	80	80	80	80	80	80	80	80	80	80
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	111,470	114,653	153,998	158,796	162,852	167,156	171,662	175,356	179,858	184,759
Square Footage to be built in excess of 25% threshold (1)	30,316	27,133	87,788	82,990	78,934	74,630	70,124	66,430	61,928	57,027
Capacity of excess square footage	379	339	1,097	1,037	987	933	877	830	774	713

9-12 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Higley Center for Performing Arts	37,518									
Higley High Building 900	10,643									
Cumulative Total	48,161	48,161	48,161	48,161	48,161	48,161	48,161	48,161	48,161	48,161
ADM Projections	3,189	3,244	3,505	3,644	3,805	3,879	3,851	3,947	3,960	3,985
x Minimum adequacy factor	94	94	94	94	94	94	94	94	94	94
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	74,939	76,225	82,370	85,627	89,422	91,155	90,497	92,762	93,065	93,640
Square Footage to be built in excess of 25% threshold (1)	0	0	0	0	0	0	0	0	0	0
Capacity of excess square footage	0	0	0	0	0	0	0	0	0	0

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

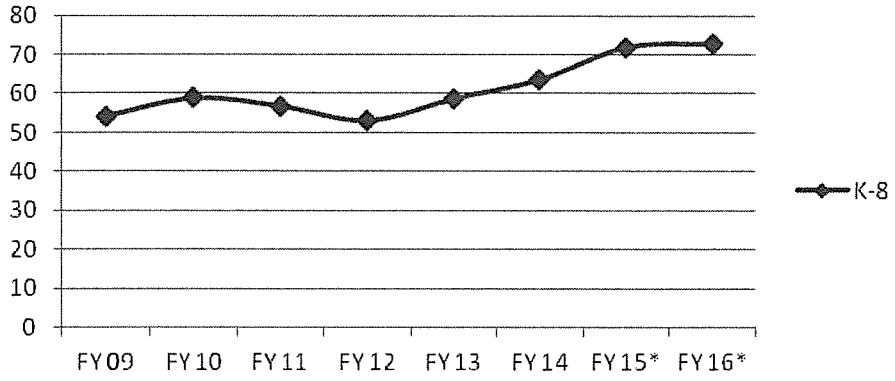
Kirkland Elementary School District

District Overview

Kirkland Elementary School District is located in central Yavapai County, serving the community of Wilhoit and surrounding areas. The District currently has one elementary school serving approximately 70 ADM.

District ADM History

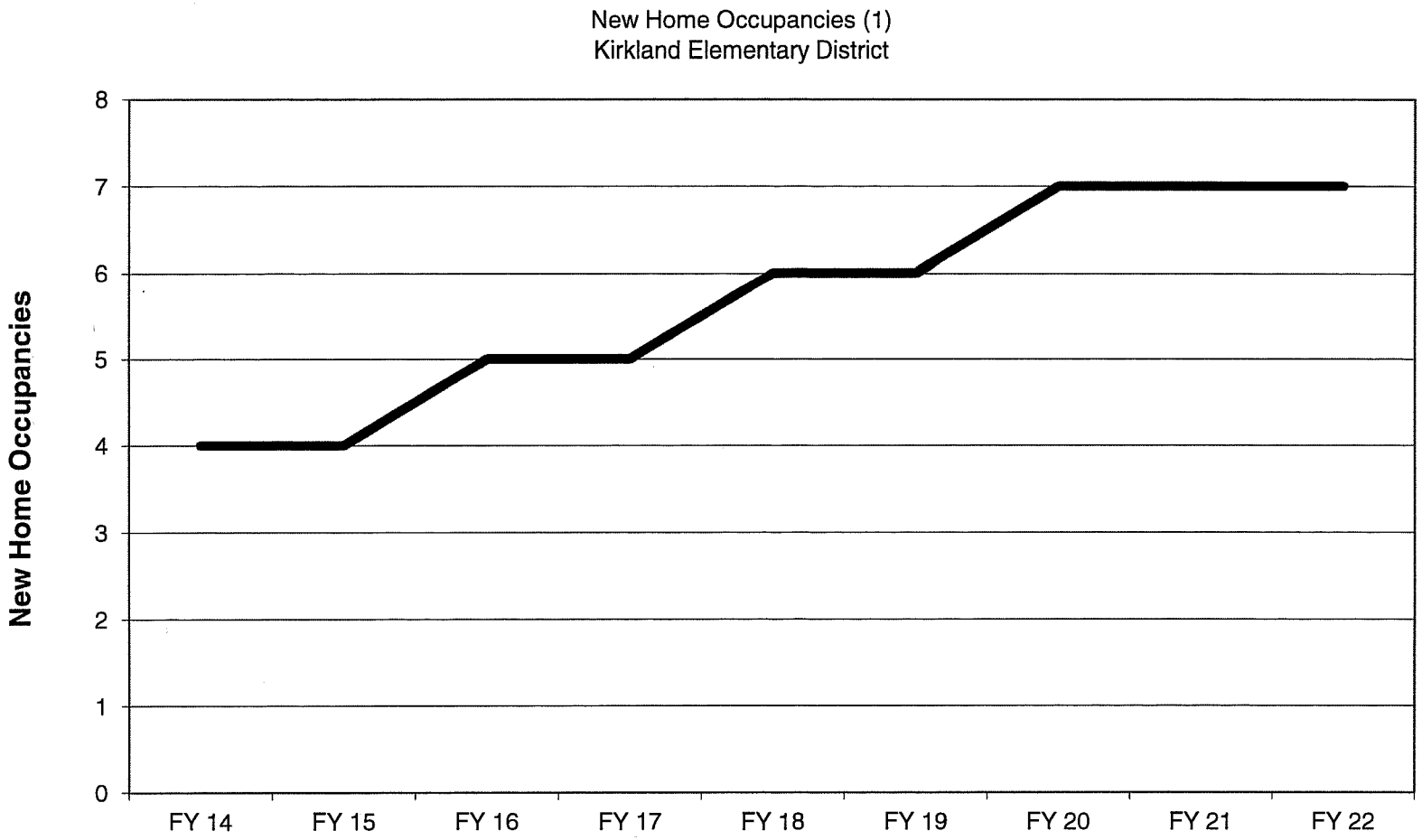
Over the past five years, the District's ADM fluctuated between declining 6.5% and growing 10.8%, resulting in an annualized growth rate of 3.2%.



*FY 15 and FY 16: ADM projections

District Outlook

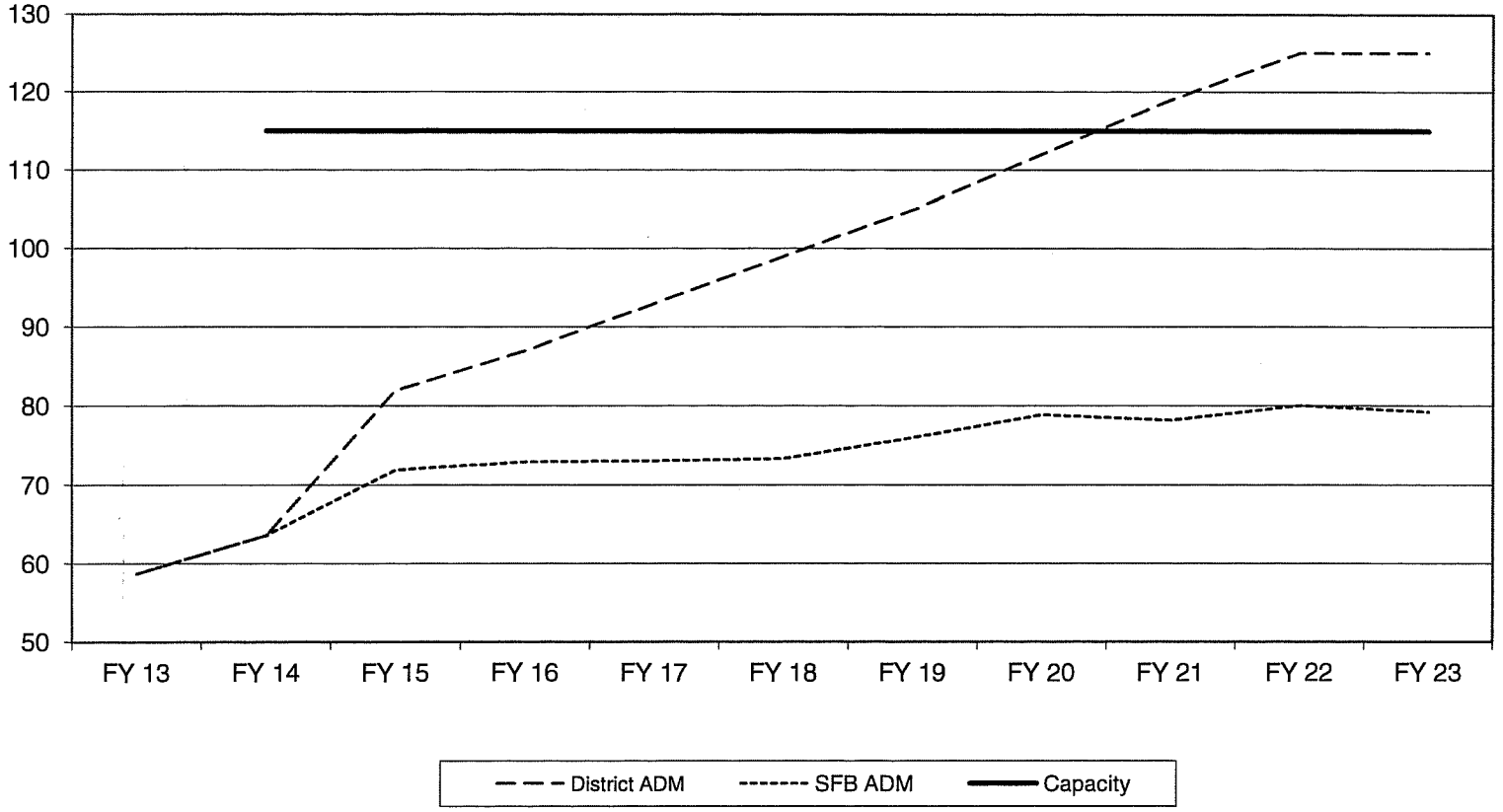
Over the past decade, the District's ADM fluctuated widely between declining as much as 14.9% and growing as much as 10.8%, mostly due to its small size. The District added the 7th grade in FY 13 and 8th grade in FY14, which accounted for the growth during the last two years. For the current year, ADM is expected to increase by 13.8%. However, the number of births since 2008 has decreased significantly, and the District has a much higher median age (53.2) than the state average (35.9). The District did not provide any information about projected residential development. At this point, there is no information that suggests there will be a significant shift in future enrollment. Staff projects that the ADM will continue to fluctuate with growth and declines.



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

FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
4	4	5	5	6	6	7	7	7	51

K-8 Graph
Kirkland Elementary District



K-8	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	59	64	82	87	93	99	105	112	119	125	125
SFB ADM	59	64	72	73	73	73	76	79	78	80	79
Capacity		115	115	115	115	115	115	115	115	115	115

SCHOOL FACILITIES BOARD

2015 New Construction Analysis
Kirkland Elementary District
CTD – 130323
(K-8)

District New Construction Request

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
	Additional K-8 space at existing school for 82 students						

Staff Notes Regarding District's Request: The District owns land for this project.

Staff Recommendation for February 4, 2015

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

K-8	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	115	115	115	115	115	115	115	115	115	115
Total Student Capacity	**115**	**115**	**115**	**115**	**115**	**115**	**115**	**115**	**115**	**115**
District's ADM Projections	**64**	**82**	**87**	**93**	**99**	**105**	**112**	**119**	**125**	**125**
ADM Growth Rate	8.3%	28.9%	6.1%	6.9%	6.5%	6.1%	6.7%	6.3%	5.0%	0.0%
Number of Students for which new space is required (2)		-	-	-	-	-	-	4	10	10
SFB Recommended ADM Projections	**64**	**72**	**73**	**73**	**73**	**76**	**79**	**78**	**80**	**79**
ADM Growth Rate	8.3%	13.1%	1.4%	0.2%	0.4%	3.7%	3.8%	-0.9%	2.4%	-1.0%
Number of Students for which new space is required (2)		-	-	-	-	-	-	-	-	-

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

FEBRUARY 4, 2015 STAFF RECOMMENDATION

No conceptual approval.

ADM Projections
Kirkland Elementary District

1/23/2015

District Provided ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	59	64	82	87	93	99	105	112	119	125	125
% change		8.3%	28.9%	6.1%	6.9%	6.5%	6.1%	6.7%	6.3%	5.0%	0.0%

SFB ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	59	64	72	73	73	73	76	79	78	80	79
% change		8.3%	13.1%	1.4%	0.2%	0.4%	3.7%	3.8%	-0.9%	2.4%	-1.0%

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

ADM History
Kirkland Elementary District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
K - 8	54	59	57	53	59	64	
% change		8.5%	-3.4%	-6.5%	10.6%	8.3%	3.2%

Square Footage and Capacity by School
Kirkland Elementary District

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
Kirkland Elementary School	10,452	0	10,452	280	10,172	88.5	115
Total K-6 Square Footage	**10,452**	**0**	**10,452**	**280**	**10,172**		**115**

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

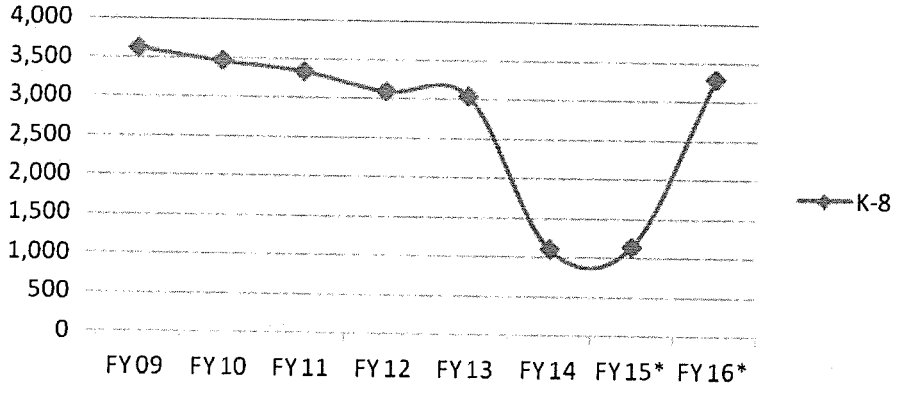
Liberty Elementary School District

District Overview

Liberty Elementary District is located approximately 25 miles west-southwest of downtown Phoenix. Interstate 10 passes through the north end of the District, which primarily serves the Town of Goodyear, the southern part of Avondale and some unincorporated areas. The residential development boom in the west valley during the last decade brought fast growth to the District. In FY 14, the District converted three schools into district-owned charter schools, which will return to be district schools in FY 16. The District has two other K-8 schools, serving approximately 1,150 ADM.

District ADM History

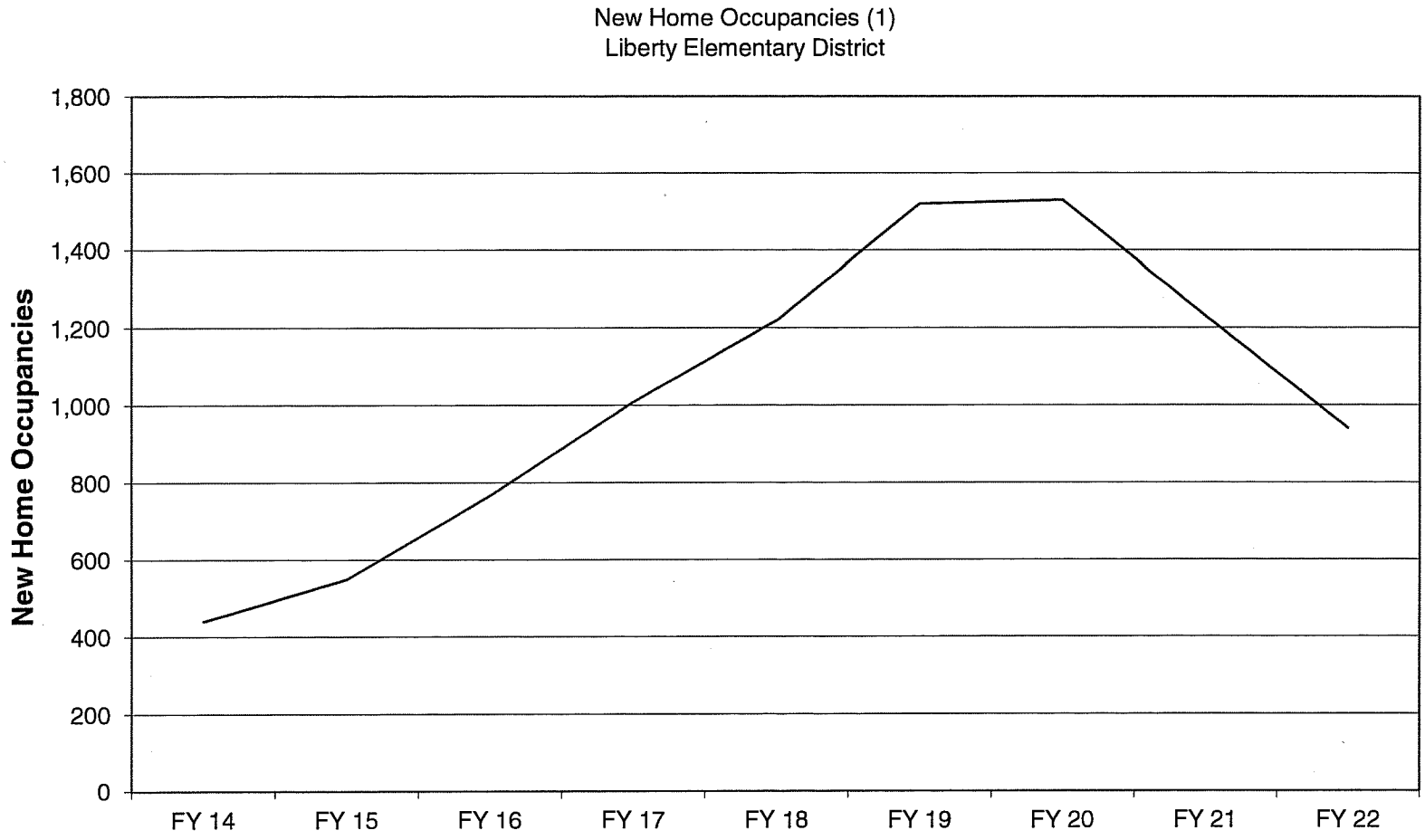
Over the past five years, the District's ADM declined at an annualized rate of -21.1%. Growth rates were all in the negative territory during FY 10 – FY 13, before decreasing further by 63.7% in FY 14 when the District converted three schools to charter schools.



*FY 15 and FY 16: ADM projections

District Outlook

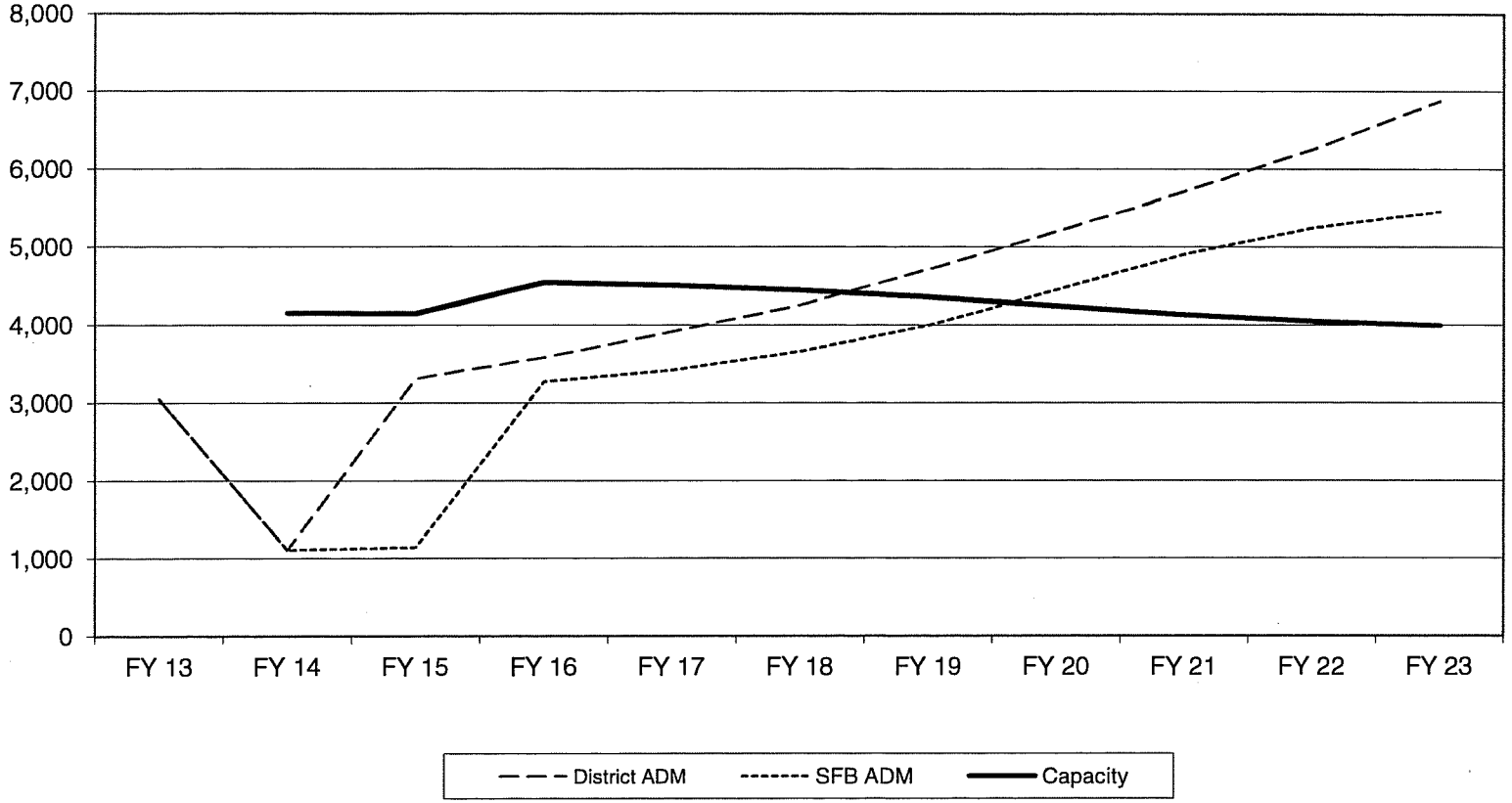
The District experienced declines in ADM between FY 10 and FY 13 when a charter school opened and went through a significant expansion in the area. In FY 14, with the conversion of three district schools to charter schools, the District lost nearly two-thirds of its ADM. However, the District is forecasted to register an increase of 3.2% in its ADM this year, and ADM for the three converted charter schools will be counted as district ADM again starting in FY 16 as these schools convert back to district schools next year. As new housing construction is gradually increasing, SFB staff projects that the ADM growth rate will likely reach low double-digit levels in the second half of the projection cycle, barring unforeseen expansion of charter schools in or near the area.



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

FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
440	549	767	1,009	1,220	1,520	1,530	1,232	940	9,206

K-8 Graph
Liberty Elementary District



K-8	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	3,048	1,108	3,312	3,584	3,912	4,261	4,711	5,199	5,714	6,250	6,877
SFB ADM	3,048	1,108	1,143	3,270	3,418	3,659	3,996	4,451	4,906	5,248	5,465
Capacity		4,160	4,152	4,544	4,507	4,446	4,362	4,248	4,135	4,049	3,995

SCHOOL FACILITIES BOARD

2015 New Construction Analysis
Liberty Elementary District
CTD – 070425
(K-8)

District New Construction Request

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

Staff Notes Regarding District's Request: The District currently has vacant land for a future school.

Staff Recommendation for February 4, 2015

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

Note: The actual capacity of an 800-student school in this district would be 924 students.

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

School Facilities Board

New Construction Analysis
Liberty Elementary District
K - 8

1/27/2015

K-8	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	3,851	3,851	3,851	3,851	3,851	3,851	3,851	3,851	3,851	3,851
District-funded Capacity (2)	309	300	693	656	595	511	397	284	198	144
Total Student Capacity	**4,160**	**4,152**	**4,544**	**4,507**	**4,446**	**4,362**	**4,248**	**4,135**	**4,049**	**3,995**
District's ADM Projections	**1,108**	**3,312**	**3,584**	**3,912**	**4,261**	**4,711**	**5,199**	**5,714**	**6,250**	**6,877**
ADM Growth Rate	-63.7%	199.0%	8.2%	9.2%	8.9%	10.6%	10.4%	9.9%	9.4%	10.0%
Number of Students for which new space is required (3)		-	-	-	-	349	951	1,579	2,201	2,882
SFB Recommended ADM Projections	**1,108**	**1,143**	**3,270**	**3,418**	**3,659**	**3,996**	**4,451**	**4,906**	**5,248**	**5,465**
ADM Growth Rate	-63.7%	3.2%	186.1%	4.5%	7.1%	9.2%	11.4%	10.2%	7.0%	4.2%
Number of Students for which new space is required (3)		-	-	-	-	-	203	771	1,198	1,471

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

FEBRUARY 4, 2015 STAFF RECOMMENDATION

The staff recommendation is to conceptually approve:

Project Number / Description	Grade Config.	Design Capacity	SF per Student	Square Feet	Actual Capacity	Approval FY
New school	K-8	800	92.4	73,920	924	FY 20

ADM Projections
Liberty Elementary District

12/18/2014

District Provided ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	3,048	1,108	3,312	3,584	3,912	4,261	4,711	5,199	5,714	6,250	6,877
% change		-63.7%	199.0%	8.2%	9.2%	8.9%	10.6%	10.4%	9.9%	9.4%	10.0%

SFB ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	3,048	1,108	1,143	3,270	3,418	3,659	3,996	4,451	4,906	5,248	5,465
% change		-63.7%	3.2%	186.1%	4.5%	7.1%	9.2%	11.4%	10.2%	7.0%	4.2%

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

SFB ADM Forecast - Last Year*	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	3,048	1,091	1,165	1,314	1,490	1,685	1,890	2,083	2,264	2,445	2,592
% change		-64.2%	6.8%	12.7%	13.4%	13.1%	12.1%	10.2%	8.7%	8.0%	6.0%

*The ADM Projection conducted last year was based on the assumption that the district schools converted to charter schools in FY 14 would remain charter schools throughout the projection cycle.

ADM History
Liberty Elementary District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14*	5-Year Average
K - 8	3,630	3,472	3,349	3,100	3,048	1,108	
% change		-4.4%	-3.5%	-7.4%	-1.7%	-63.7%	-21.1%

Square Footage and Capacity by School
Liberty Elementary District

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
Liberty Elementary School	74,896	12,107	62,789	150	62,639	88.5	708
District-funded addition to Liberty (2)	15,583	11,255	4,328	NA	4,328	80.0	54
Estrella Mountain Elementary School	59,146	3,489	55,657	0	55,657	88.5	629
SFB-funded Rainbow Valley School	64,860	0	64,860	NA	64,860	80.9	802
SFB-funded Westar Elementary (3)	64,640	0	64,640	NA	64,640	80.9	799
District-funded addition to Westar	20,409	0	20,409	NA	20,409	80.9	252
SFB-funded Freedom Elementary School	73,920	0	73,920	NA	73,920	80.9	914
District-funded addition to Freedom	7,408	7,408	0	NA	0	80.0	0
	380,862	**34,259**	**346,603**	**150**	**346,453**		**4,158**

(1) Based on either the SFB Working Definition of Student Capacity or A.R.S. 15-2011 depending on the type of square footage.
(2) Includes Building 1008 which was built in 1978, but excluded because it was the Superintendent's office. District renovated the building into classroom space in FY 08 with local funds, so the excluded space threshold now applies to this building.
(3) Square footage amount represents amount funded by the SFB; district reported 64,146 SF actually built.

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

Local Funds Report
Liberty Elementary District

12/18/2014

K-8 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Estrella Mountain Fine Arts addition	3,489								
Portable classrooms at Freedom (FY 08)	7,408								
Liberty School - Bldg J renovated into classroom space (FY 08)	1,008								
Liberty School - Warehouse (FY 08)	2,420								
Liberty School - Bldg N (FY 10)	12,155								
Westar School - Bldg ?? (FY 13)	9,750								
Westar School - Bldg ?? (FY 14)	10,659								
New school with B bond funds			73,920						
Cumulative Total	46,889	46,889	120,809	120,809	120,809	120,809	120,809	120,809	120,809
ADM Projections	1,108	1,143	3,270	3,418	3,659	3,996	4,451	4,906	5,248
x Minimum adequacy factor	80	80	80	80	80	80	80	80	80
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	22,152	22,859	65,391	68,354	73,188	79,916	89,024	98,113	104,952
Square Footage to be built in excess of 25% threshold (1)	24,737	24,030	55,418	52,455	47,621	40,893	31,785	22,696	15,857
Capacity of excess square footage	309	300	693	656	595	511	397	284	198

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

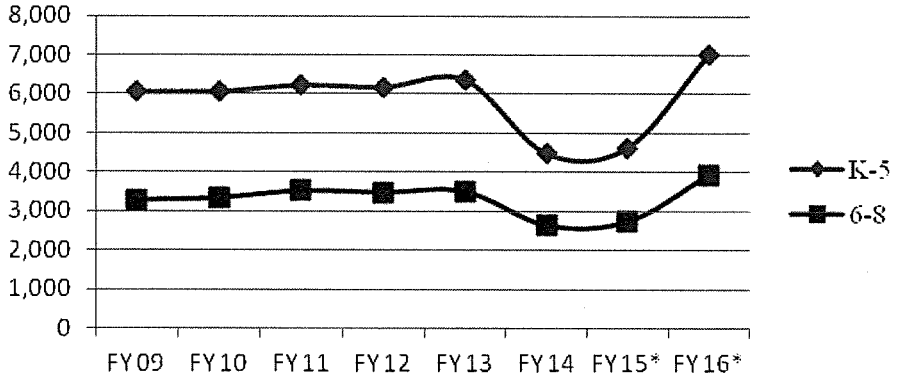
Litchfield Elementary School District

District Overview

Litchfield Elementary School District is located about 15 miles west of central Phoenix, north of I-10. The District serves the City of Litchfield Park as well as parts of Glendale, Avondale, Buckeye, Goodyear and some unincorporated areas. In FY 14, the District converted four schools into district-owned charter schools. These schools will convert back to district schools in FY 16. The District has six other elementary schools (K-5) and three other middle schools (6-8) which serve approximately 7,350 ADM. A district-funded K-8 school is currently under construction and expected to open in August 2015.

District ADM History

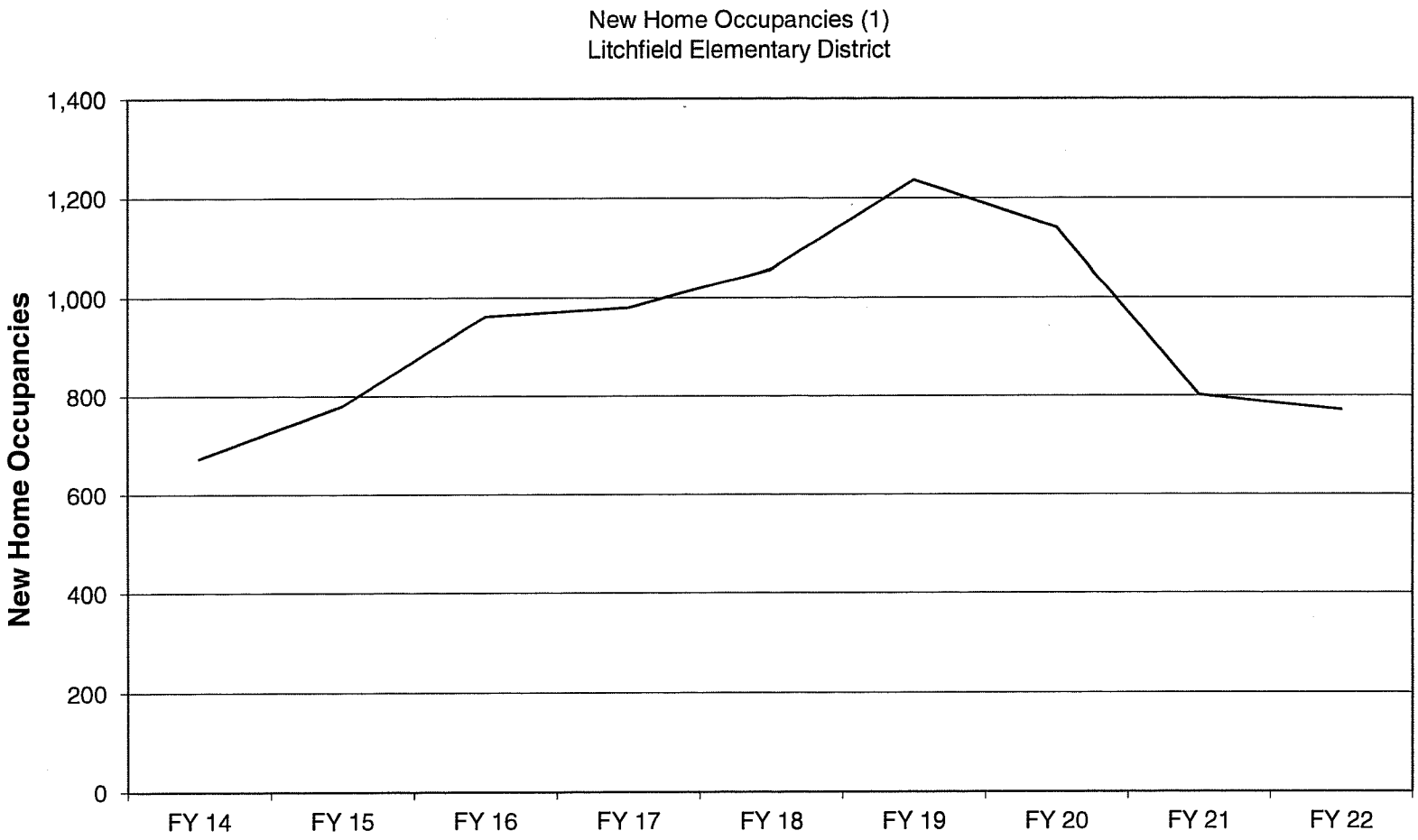
After significant growth between FY 03 and FY 08 with an annualized rate of 12.6%, the ADM growth slowed down and turned negative to -1.0% in FY 12. Due to the conversion of four district schools to charter schools in FY 14, ADM decreased by 27.9%, resulting in a negative annualized growth rate of -5.3% over a five-year period.



*FY 15 and FY 16: ADM projections

District Outlook

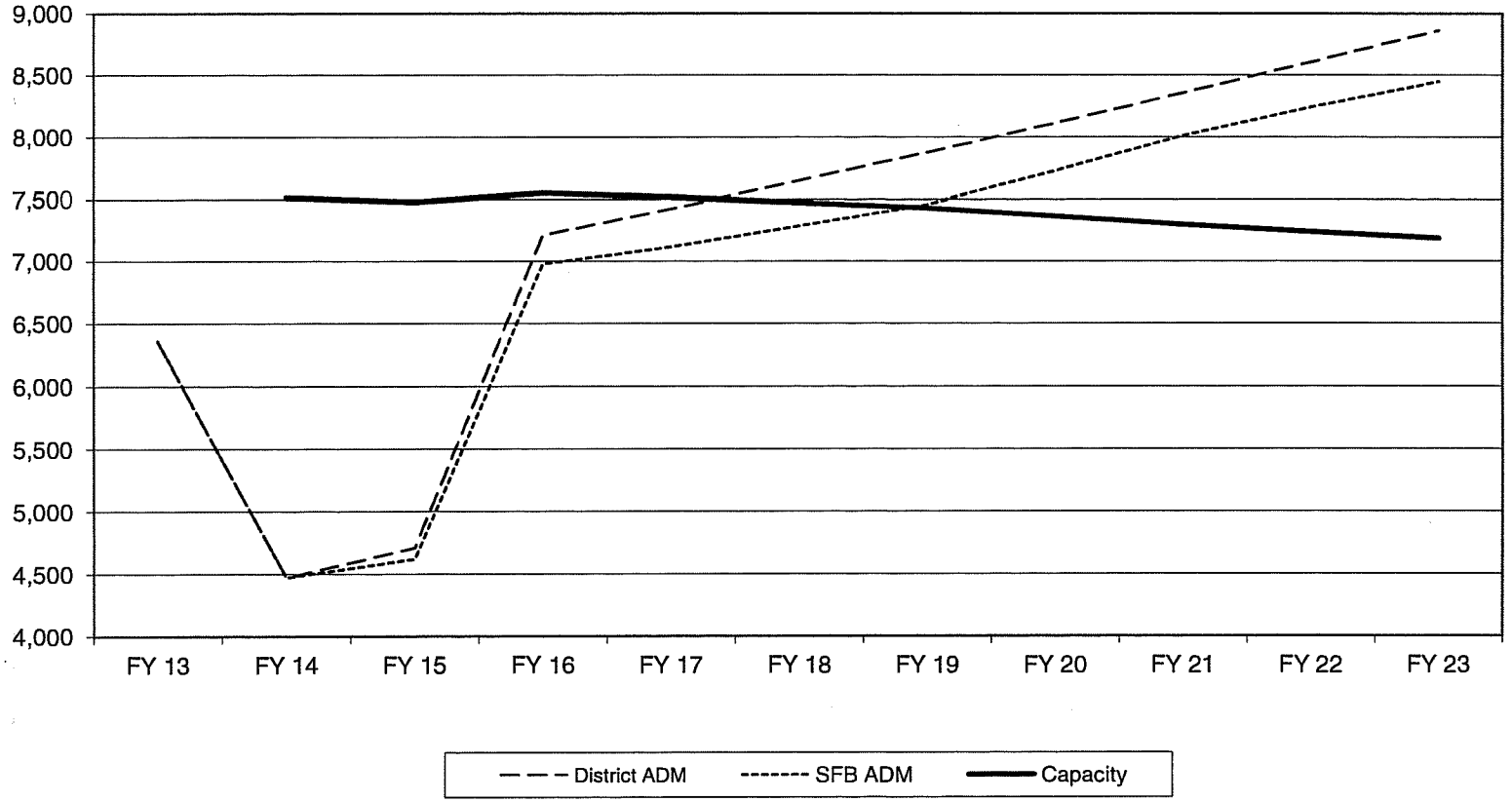
Unlike many other school districts that experienced dramatic growth and declines during the housing boom and bust years, this district's ADM growth was only negative once at -1.0% in FY 12. In FY 14, the District converted four district schools to charter schools, causing ADM to decrease by nearly 28%. This year, the ADM is forecasted to increase 3.5%. As the four charter schools convert back to district schools next year (FY 16), these schools' ADM will be counted again as district ADM. SFB staff projects that annual ADM growth rates in the range of 2.0 – 3.5% will be the norm for most years in the projection cycle as the housing market improves.



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

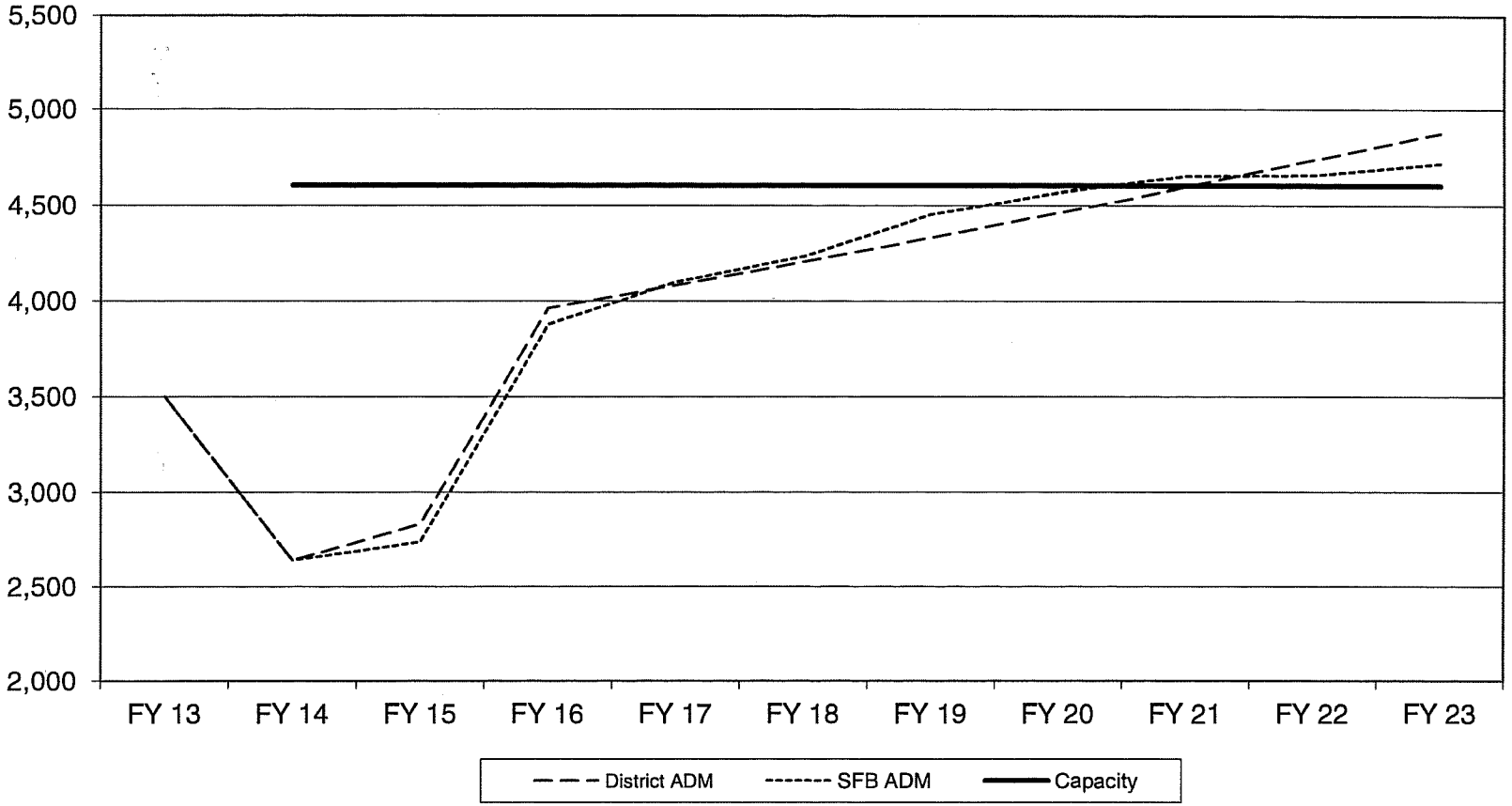
FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
673	780	962	981	1,059	1,236	1,141	802	771	8,406

K-5 Graph
Litchfield Elementary District



K-5	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	6,360	4,474	4,713	7,208	7,424	7,647	7,876	8,113	8,356	8,607	8,865
SFB ADM	6,360	4,474	4,622	6,977	7,114	7,280	7,458	7,728	8,011	8,241	8,447
Capacity		7,515	7,478	7,551	7,516	7,475	7,430	7,363	7,292	7,235	7,183

6-8 Graph
Litchfield Elementary District



6-8	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	3,501	2,641	2,831	3,963	4,082	4,205	4,331	4,461	4,595	4,733	4,875
SFB ADM	3,501	2,641	2,738	3,878	4,100	4,232	4,452	4,569	4,649	4,655	4,715
Capacity		4,599	4,599	4,599	4,599	4,599	4,599	4,599	4,599	4,599	4,599

SCHOOL FACILITIES BOARD

2015 New Construction Analysis
Litchfield Elementary District
CTD – 070479
(K-5)

District New Construction Request

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
	K-5 for 956 students						

Staff Notes Regarding District's Request: The District indicated a site would be donated for this school.

Staff Recommendation for February 4, 2015

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
				K-5 for 956 students (Conceptual)			

Note: The actual capacity of a 956-student school in this district would be 1,076 students.

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

K-5	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	6,251	6,251	6,251	6,251	6,251	6,251	6,251	6,251	6,251	6,251
District-funded Capacity (2)	1,264	1,227	1,299	1,265	1,224	1,179	1,112	1,041	983	932
Total Student Capacity	**7,515**	**7,478**	**7,551**	**7,516**	**7,475**	**7,430**	**7,363**	**7,292**	**7,235**	**7,183**
District's ADM Projections	**4,474**	**4,713**	**7,208**	**7,424**	**7,647**	**7,876**	**8,113**	**8,356**	**8,607**	**8,865**
ADM Growth Rate	-29.7%	5.4%	52.9%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Number of Students for which new space is required (3)		-	-	-	172	446	750	1,064	1,372	1,682
SFB Recommended ADM Projections	**4,474**	**4,622**	**6,977**	**7,114**	**7,280**	**7,458**	**7,728**	**8,011**	**8,241**	**8,447**
ADM Growth Rate	-29.7%	3.3%	51.0%	2.0%	2.3%	2.5%	3.6%	3.7%	2.9%	2.5%
Number of Students for which new space is required (3)		-	-	-	-	28	365	719	1,007	1,264

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

FEBRUARY 4, 2015 STAFF RECOMMENDATION

The staff recommendation is to conceptually approve:

Project Number / Description	Grade Config.	Design Capacity	SF per Student	Square Feet	Actual Capacity	Approval FY
New school	K-5	956	90	86,040	1,076	FY 19

ADM Projections
Litchfield Elementary District

1/27/2015

District Provided ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 5	6,360	4,474	4,713	7,208	7,424	7,647	7,876	8,113	8,356	8,607	8,865
% change		-29.7%	5.4%	52.9%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
6 - 8	3,501	2,641	2,831	3,963	4,082	4,205	4,331	4,461	4,595	4,733	4,875
% change		-24.6%	7.2%	40.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Total	9,861	7,114	7,544	11,171	11,506	11,852	12,207	12,574	12,951	13,340	13,740
% change		-27.9%	6.0%	48.1%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%

SFB ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 5	6,360	4,474	4,622	6,977	7,114	7,280	7,458	7,728	8,011	8,241	8,447
% change		-29.7%	3.3%	51.0%	2.0%	2.3%	2.5%	3.6%	3.7%	2.9%	2.5%
6 - 8	3,501	2,641	2,738	3,878	4,100	4,232	4,452	4,569	4,649	4,655	4,715
% change		-24.6%	3.7%	41.6%	5.7%	3.2%	5.2%	2.6%	1.7%	0.1%	1.3%
Total	9,861	7,114	7,360	10,855	11,215	11,512	11,910	12,297	12,660	12,896	13,162
% change		-27.9%	3.5%	47.5%	3.3%	2.6%	3.5%	3.2%	3.0%	1.9%	2.1%

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

SFB ADM Forecast - Last Year*	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 5	6,360	4,459	4,553	4,648	4,721	4,791	4,878	4,991	5,099	5,220	5,322
% change		-29.9%	2.1%	2.1%	1.6%	1.5%	1.8%	2.3%	2.1%	2.4%	2.0%
6 - 8	3,501	2,652	2,672	2,728	2,840	2,959	3,021	3,028	3,005	3,000	3,041
% change		-24.3%	0.8%	2.1%	4.1%	4.2%	2.1%	0.2%	-0.8%	-0.2%	1.4%
Total	9,861	7,110	7,225	7,376	7,561	7,750	7,899	8,020	8,103	8,219	8,363
% change		-27.9%	1.6%	2.1%	2.5%	2.5%	1.9%	1.5%	1.0%	1.4%	1.7%

*The ADM Projection conducted last year was based on the assumption that the district schools converted to charter schools in FY 14 would remain charter schools throughout the projection cycle.

ADM History
Litchfield Elementary District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
K - 5	6,062	6,062	6,225	6,174	6,360	4,474	
% change		0.0%	2.7%	-0.8%	3.0%	-29.7%	-5.9%
6 - 8	3,281	3,339	3,520	3,476	3,501	2,641	
% change		1.8%	5.4%	-1.2%	0.7%	-24.6%	-4.2%
Total	9,343	9,401	9,745	9,650	9,861	7,114	
% change		0.6%	3.7%	-1.0%	2.2%	-27.9%	-5.3%

Square Footage and Capacity by School
Litchfield Elementary District

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
Litchfield Elementary School	57,306	22,547	34,759	0	34,759	85	409
Litchfield Elementary School bldgs. 1017-1019 (Replacement space)	32,181	0	32,181	3,218	28,963	85	341
Litchfield Elementary School bldgs. 1017-1019 (Additional space)	11,130	0	11,130	NA	11,130	80	139
Scott L Libby Elementary School	71,801	4,640	67,161	1,240	65,921	85	776
Palm Valley Elementary	87,115	2,100	85,015	6,489	78,526	85	924
Rancho Santa Fe Elementary	75,162	0	75,162	7,516	67,646	85	796
SFB-funded Corte Sierra Elementary	72,000	0	72,000	NA	72,000	80	900
District-funded addition to Corte Sierra	8,456	0	8,456	846	7,610	85	90
SFB-funded Dreaming Summit Elementary	85,242	13,242	72,000	NA	72,000	80	900
SFB-funded Barbara Robey Elementary	72,000	0	72,000	NA	72,000	80	900
District-funded addition to Barbara Robey	7,198	0	7,198	601	6,598	85	78
Verrado Elementary	84,571	74,970	9,601	NA	9,601	80	120
Mabel Padgett Elementary School	80,405	0	80,405	NA	80,405	80	1,005
Total K-5 Square Footage	**744,567**	**117,499**	**627,068**	**19,909**	**607,159**		**7,376**
Western Sky Middle School	108,302	0	108,302	6,269	102,033	95	1,074
SFB-funded Wigwam Creek Middle School	108,000	0	108,000	NA	108,000	80	1,350
SFB-funded Verrado Middle School	93,058	6,055	87,003	NA	87,003	80	1,088
SFB-funded Thomas Heck Middle School	87,003	0	87,003	NA	87,003	80	1,088
District-funded addition to Thomas Heck	5,525	5,525	0	NA	0	80	-
Total 6-8 Square Footage	**401,888**	**11,580**	**390,308**	**6,269**	**384,039**		**4,599**
(1) Based on either the SFB Working Definition of Student Capacity or A.R.S. 15-2011 depending on the type of square footage.							
Note: SFB-funded schools are not adjusted for interior corridors.							

Local Funds Report
Litchfield Elementary District

K-5 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Dreaming Summit	13,242									
Scott L. Libby (K-5 portion)	1,268									
Verrado Elementary School (Phase I) (FY 08)	50,483									
Verrado Elementary School (Phase II) (FY 09)	25,923									
Verrado Elementary School (Phase II) (FY 10)	8,165									
Mabel Padgett (FY 11)	80,405									
Litchfield Elementary bldg. 1017 (FY12)	7,118									
Litchfield Elementary bldgs. 1018-1019 (FY13)	4,012									
New K-8 funded by District			52,880							
Cumulative Total	190,616	190,616	243,496	243,496	243,496	243,496	243,496	243,496	243,496	243,496
ADM Projections	4,474	4,622	6,977	7,114	7,280	7,458	7,728	8,011	8,241	8,447
x Minimum adequacy factor	80	80	80	80	80	80	80	80	80	80
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	89,480	92,436	139,537	142,289	145,595	149,164	154,557	160,221	164,825	168,937
Square Footage to be built in excess of 25% threshold (1)	101,136	98,180	103,959	101,207	97,901	94,332	88,940	83,275	78,671	74,559
Capacity of excess square footage	1,264	1,227	1,299	1,265	1,224	1,179	1,112	1,041	983	932

6-8 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Verrado Middle School	6,055									
Scott L. Libby (6-8 portion)	692									
L. Thomas Heck additional SF	5,525									
New K-8 funded by District			28,843							
Cumulative Total	12,272	12,272	41,115	41,115	41,115	41,115	41,115	41,115	41,115	41,115
ADM Projections	2,641	2,738	3,878	4,100	4,232	4,452	4,569	4,649	4,655	4,715
x Minimum adequacy factor	80	80	80	80	80	80	80	80	80	80
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	52,820	54,761	77,555	82,008	84,636	89,035	91,374	92,973	93,091	94,297
Square Footage to be built in excess of 25% threshold (1)	0	0	0	0	0	0	0	0	0	0
Capacity of excess square footage	0	0	0	0	0	0	0	0	0	0

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

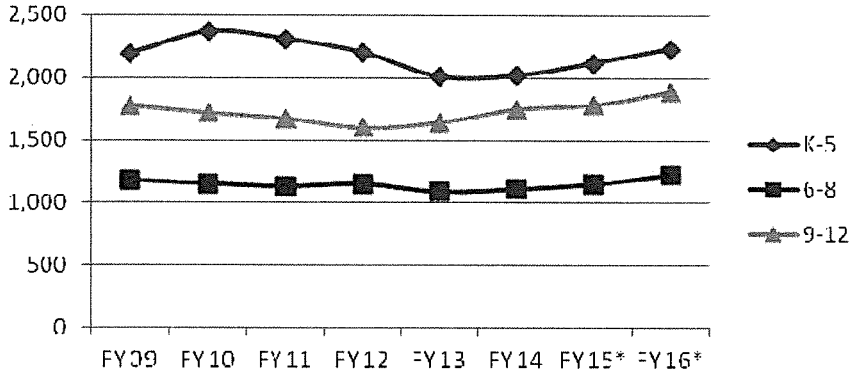
Queen Creek Unified School District

District Overview

Queen Creek Unified School District is located at the southeast corner of Maricopa County, covering most of the Town of Queen Creek, the southeast corner of Mesa, and some unincorporated areas. Currently, the District has four elementary schools (K-5), two middle schools (6-8) and one high school, serving approximately 5,050 ADM.

District ADM History

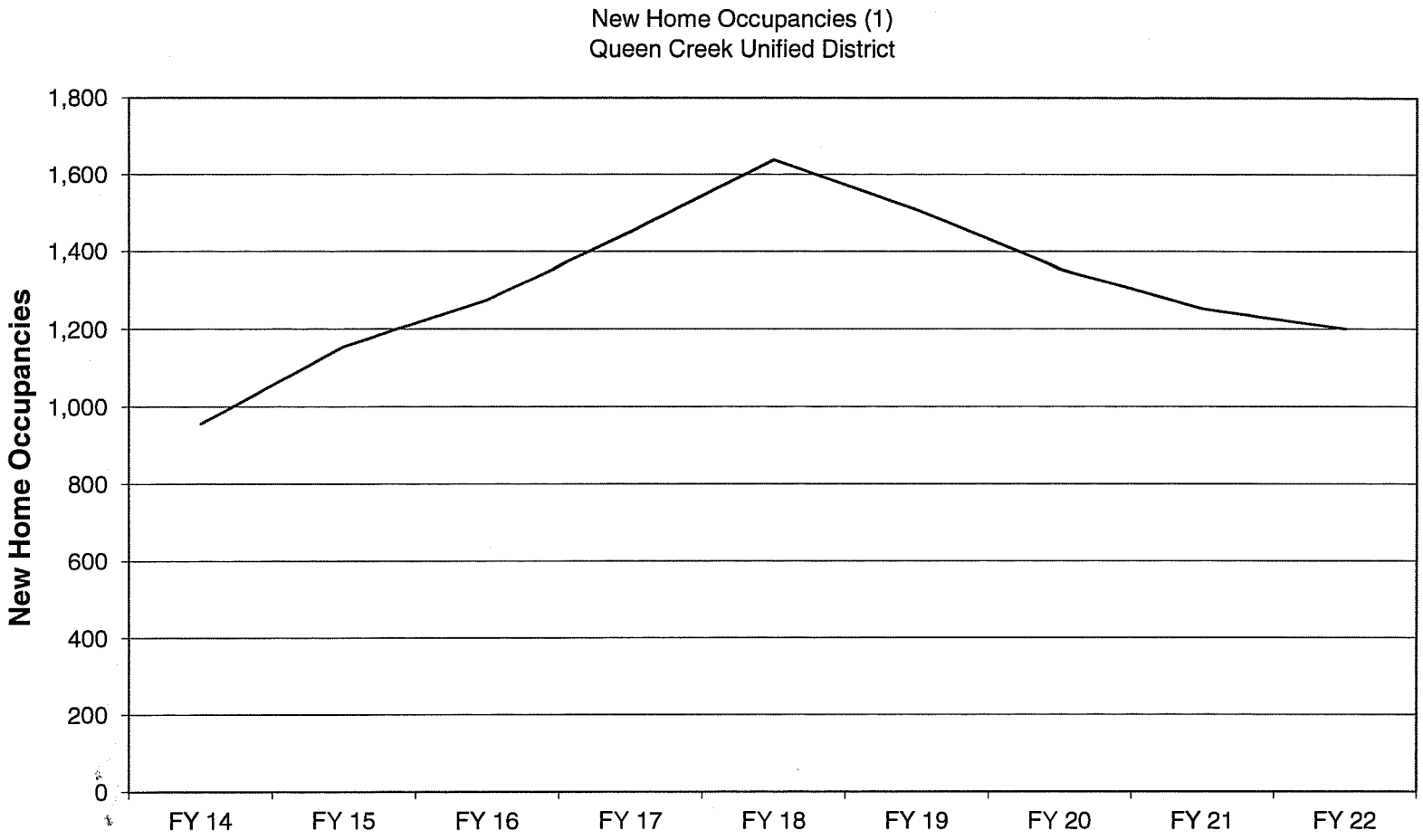
Over the past five years, the District's ADM declined at an annualized rate of -1.1%. The growth was on a decelerating path during FY10 - FY13 dropping from 1.8% to -4.2%. It came back to the positive territory at 2.8% in FY14.



*FY 15 and FY 16: ADM projections

District Outlook

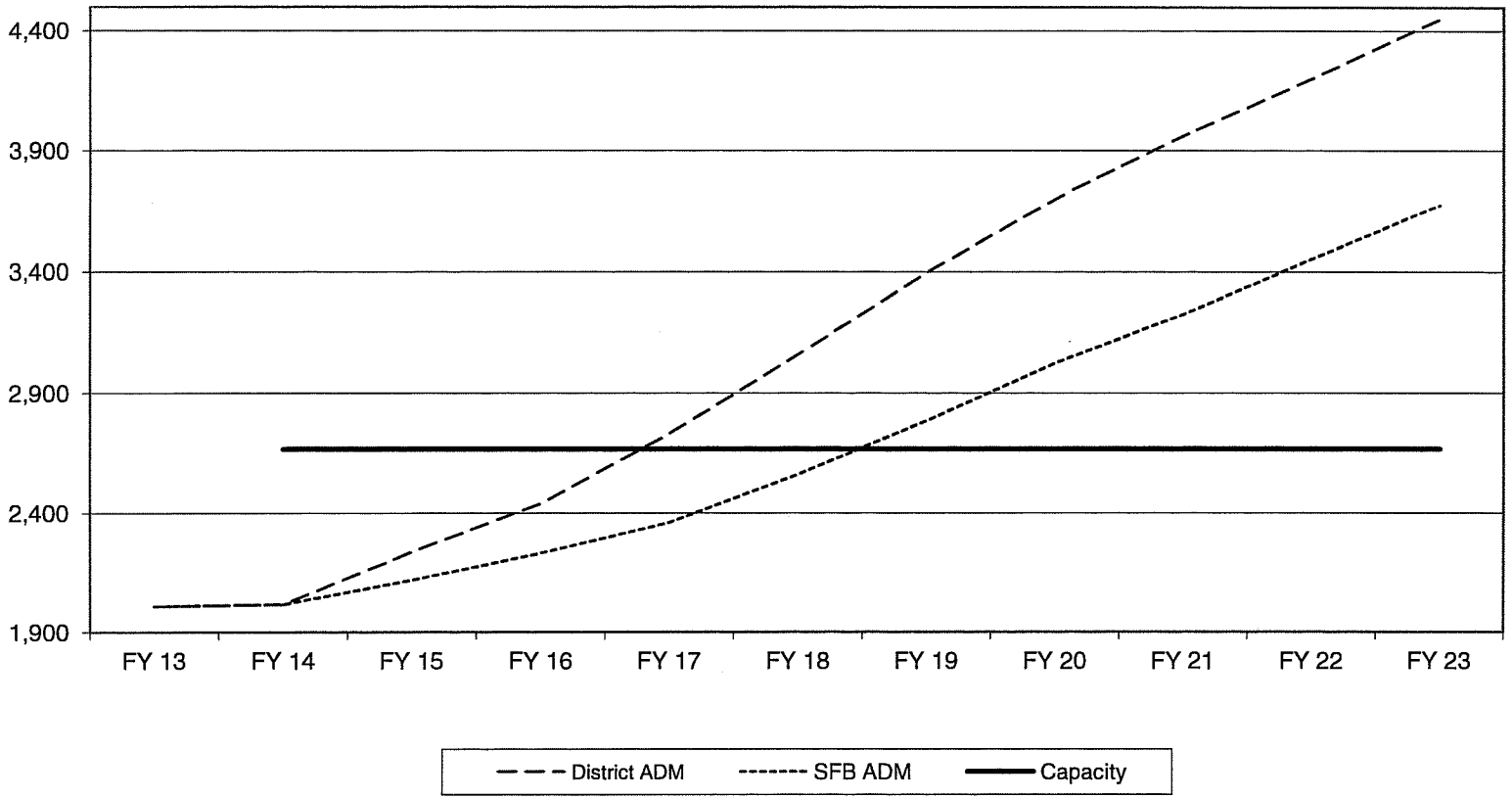
The Town of Queen Creek was traditionally an agricultural community. Between the two decennial censuses, its population more than sextupled from 4,316 at Census 2000 to 26,361 at Census 2010. Although the town leaders and residents expressed the desire to preserve some of their equestrian quality of life and to require new developments to be low-density, developments of higher density have been granted approval. During FY 13 and FY 14, nearly 1,650 new houses were added to the area. However, it has only brought an increase of approximately 305 ADM to the District. For the current year, ADM is expected to increase 3.6%. There is a large presence of the charter sector both inside and around the school district. In FY 15, the total enrollment of the charter schools inside the district boundary reached nearly 4,500, an increase of more than 1,100 over last year, according to a charter school enrollment report by ADE. Noticeably, at the 9-12 level, the charter sector has added more than 400 students. Due to its proximity to the *City of Chandler* and *Town of Gilbert*, the District's new housing construction is expected to continue its growth pattern. Barring unforeseen expansion of charter schools or large scale out-migration, SFB staff projects that the District's total ADM will experience significant growth for most years in the current projection timeframe with rates in the approximate range of 5 - 8%.



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

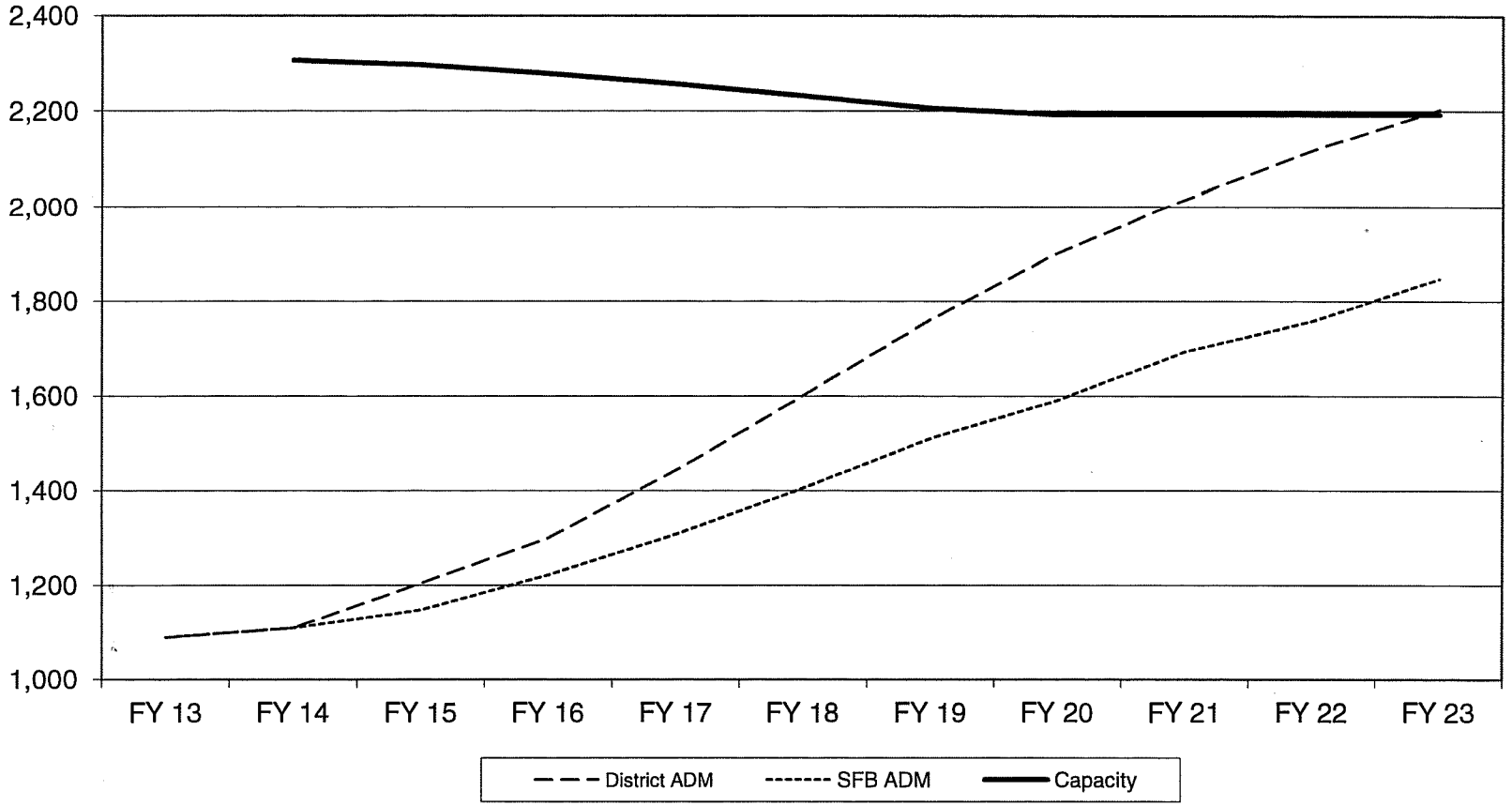
FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
955	1,156	1,277	1,451	1,638	1,507	1,357	1,254	1,200	11,795

K-5 Graph
Queen Creek Unified District



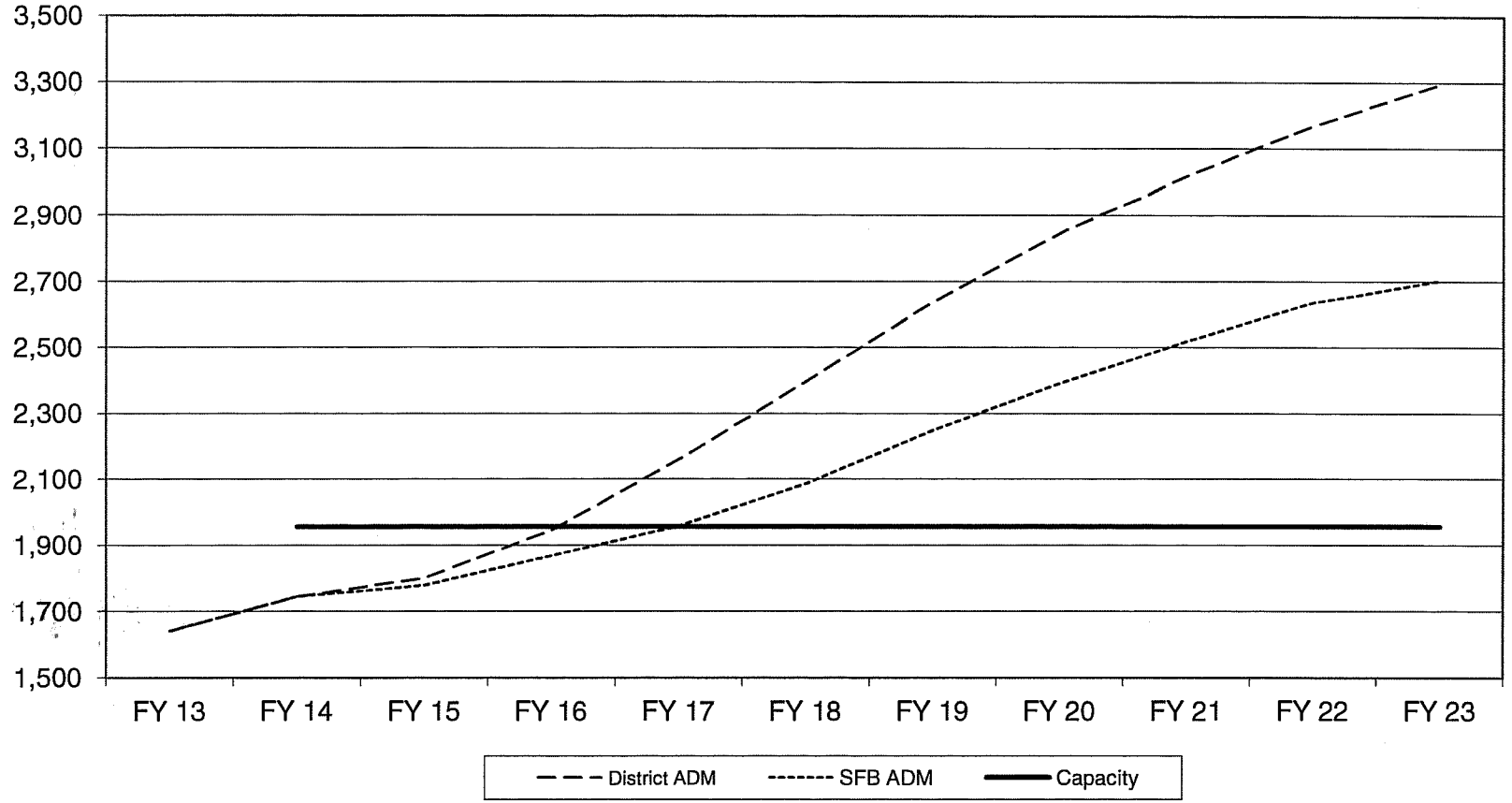
K-5	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	2,009	2,017	2,238	2,440	2,732	3,060	3,397	3,703	3,962	4,200	4,452
SFB ADM	2,009	2,017	2,118	2,231	2,361	2,561	2,785	3,024	3,226	3,452	3,678
Capacity		2,667	2,667	2,667	2,667	2,667	2,667	2,667	2,667	2,667	2,667

6-8 Graph
Queen Creek Unified District



6-8	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	1,090	1,109	1,204	1,300	1,443	1,602	1,762	1,903	2,017	2,118	2,203
SFB ADM	1,090	1,109	1,148	1,222	1,308	1,406	1,511	1,592	1,694	1,758	1,848
Capacity		2,306	2,296	2,278	2,256	2,232	2,205	2,193	2,193	2,193	2,193

9-12 Graph
Queen Creek Unified District



9-12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	1,641	1,745	1,801	1,945	2,159	2,397	2,637	2,848	3,018	3,169	3,296
SFB ADM	1,641	1,745	1,779	1,868	1,958	2,086	2,249	2,391	2,518	2,637	2,703
Capacity		1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956

SCHOOL FACILITIES BOARD

2015 New Construction Analysis
Queen Creek Unified District
CTD – 070295
(K-5)

District New Construction Request

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
				K-5 for 700 (005N)			

Staff Notes Regarding District's Request: The District did not submit its FY 15 Capital Plan, but Project 005N was conceptually approved last year to open in FY 19. Conceptual projects must be reviewed each year. The District currently has one K-5 school site in inventory.

Staff Recommendation for February 4, 2015

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
				K-5 for 700 (005N) (Conceptual)			

Note: The actual capacity of a 700-student K-5 school would be 788 students.

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

K-5	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	2,667	2,667	2,667	2,667	2,667	2,667	2,667	2,667	2,667	2,667
Total Student Capacity	**2,667**	**2,667**	**2,667**	**2,667**	**2,667**	**2,667**	**2,667**	**2,667**	**2,667**	**2,667**
District's ADM Projections	**2,017**	**2,238**	**2,440**	**2,732**	**3,060**	**3,397**	**3,703**	**3,962**	**4,200**	**4,452**
ADM Growth Rate	0.4%	11.0%	9.0%	12.0%	12.0%	11.0%	9.0%	7.0%	6.0%	6.0%
Number of Students for which new space is required (2)		-	-	65	393	730	1,036	1,295	1,533	1,785
SFB Recommended ADM Projections	**2,017**	**2,118**	**2,231**	**2,361**	**2,561**	**2,785**	**3,024**	**3,226**	**3,452**	**3,678**
ADM Growth Rate	0.4%	5.0%	5.3%	5.8%	8.5%	8.7%	8.6%	6.7%	7.0%	6.6%
Number of Students for which new space is required (2)		-	-	-	-	118	357	559	785	1,011

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

FEBRUARY 4, 2015 STAFF RECOMMENDATION

The staff recommendation is to conceptually approve:

Project Number / Description	Grade Config.	Design Capacity	SF per Student	Square Feet	Actual Capacity	Approval FY
005N - New school	K-5	700	90	63,000	788	FY 19

SCHOOL FACILITIES BOARD

2015 New Construction Analysis
Queen Creek Unified District
CTD – 070295
(9-12)

District New Construction Request

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
		9-12 for 867 students (009N)					

Staff Notes Regarding District's Request: The District did not submit its FY 15 Capital Plan, but Project 009N was conceptually-approved last year to open in FY 17. Conceptual projects must be reviewed each year. The District does not have any land in inventory for future high school sites.

Staff Recommendation for February 4, 2015

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
		9-12 for 867 students (009N) (Conceptual)					

Note: The actual capacity of a 867-student 9-12 school in this district would be 1,153 students.

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

9-12	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956
Total Student Capacity	**1,956**	**1,956**	**1,956**	**1,956**	**1,956**	**1,956**	**1,956**	**1,956**	**1,956**	**1,956**
District's ADM Projections	**1,745**	**1,801**	**1,945**	**2,159**	**2,397**	**2,637**	**2,848**	**3,018**	**3,169**	**3,296**
ADM Growth Rate	6.3%	3.2%	8.0%	11.0%	11.0%	10.0%	8.0%	6.0%	5.0%	4.0%
Number of Students for which new space is required (2)		-	-	203	441	681	892	1,062	1,213	1,340
SFB Recommended ADM Projections	**1,745**	**1,779**	**1,868**	**1,958**	**2,086**	**2,249**	**2,391**	**2,518**	**2,637**	**2,703**
ADM Growth Rate	6.3%	2.0%	5.0%	4.8%	6.6%	7.8%	6.3%	5.3%	4.7%	2.5%
Number of Students for which new space is required (2)		-	-	1	130	293	435	562	680	746

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

FEBRUARY 4, 2015 STAFF RECOMMENDATION

The staff recommendation is to conceptually approve:

Project Number / Description	Grade Config.	Design Capacity	SF per Student	Square Feet	Actual Capacity	Approval FY
009N - New school	9-12	867	125	108,375	1,153	FY 17

ADM Projections
Queen Creek Unified District

1/23/2015

District Provided ADM Forecast		FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
From last year	K - 5	2,009	2,017	2,238	2,440	2,732	3,060	3,397	3,703	3,962	4,200	4,452
	% change		0.4%	11.0%	9.0%	12.0%	12.0%	11.0%	9.0%	7.0%	6.0%	6.0%
From last year	'6 - 8	1,090	1,109	1,204	1,300	1,443	1,602	1,762	1,903	2,017	2,118	2,203
	% change		1.8%	8.5%	8.0%	11.0%	11.0%	10.0%	8.0%	6.0%	5.0%	4.0%
From last year	'9 - 12	1,641	1,745	1,801	1,945	2,159	2,397	2,637	2,848	3,018	3,169	3,296
	% change		6.3%	3.2%	8.0%	11.0%	11.0%	10.0%	8.0%	6.0%	5.0%	4.0%
	Total	4,740	4,871	5,243	5,685	6,334	7,059	7,796	8,454	8,997	9,487	9,951
	% change		2.8%	7.6%	8.4%	11.4%	11.4%	10.4%	8.4%	6.4%	5.4%	4.9%

SFB ADM Forecast		FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
	K - 5	2,009	2,017	2,118	2,231	2,361	2,561	2,785	3,024	3,226	3,452	3,678
	% change		0.4%	5.0%	5.3%	5.8%	8.5%	8.7%	8.6%	6.7%	7.0%	6.6%
	6 - 8	1,090	1,109	1,148	1,222	1,308	1,406	1,511	1,592	1,694	1,758	1,848
	% change		1.8%	3.4%	6.5%	7.0%	7.5%	7.5%	5.4%	6.4%	3.8%	5.1%
	9 - 12	1,641	1,745	1,779	1,868	1,958	2,086	2,249	2,391	2,518	2,637	2,703
	% change		6.3%	2.0%	5.0%	4.8%	6.6%	7.8%	6.3%	5.3%	4.7%	2.5%
	Total	4,740	4,871	5,045	5,321	5,626	6,053	6,545	7,007	7,438	7,847	8,229
	% change		2.8%	3.6%	5.5%	5.7%	7.6%	8.1%	7.1%	6.2%	5.5%	4.9%

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

SFB ADM Forecast - Last Year		FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
	K - 5	2,009	2,009	2,013	2,083	2,233	2,435	2,705	2,973	3,198	3,422	3,656
	% change		0.0%	0.2%	3.5%	7.2%	9.0%	11.1%	9.9%	7.6%	7.0%	6.8%
	6 - 8	1,090	1,112	1,120	1,172	1,240	1,302	1,357	1,404	1,446	1,492	1,554
	% change		2.0%	0.7%	4.6%	5.8%	5.0%	4.2%	3.5%	3.0%	3.2%	4.1%
	9 - 12	1,641	1,745	1,840	1,955	2,127	2,320	2,500	2,612	2,705	2,737	2,745
	% change		6.4%	5.4%	6.3%	8.8%	9.0%	7.8%	4.5%	3.6%	1.2%	0.3%
	Total	4,740	4,866	4,972	5,210	5,600	6,057	6,561	6,990	7,350	7,651	7,955
	% change		2.7%	2.2%	4.8%	7.5%	8.1%	8.3%	6.5%	5.2%	4.1%	4.0%

ADM History
Queen Creek Unified District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
K - 5	2,192	2,364	2,307	2,199	2,009	2,017	
% change		7.9%	-2.4%	-4.7%	-8.6%	0.4%	-1.7%
6 - 8	1,178	1,152	1,131	1,150	1,090	1,109	
% change		-2.2%	-1.8%	1.6%	-5.2%	1.8%	-1.2%
9 - 12	1,772	1,717	1,672	1,600	1,641	1,745	
% change		-3.1%	-2.6%	-4.3%	2.5%	6.3%	-0.3%
Total	5,142	5,233	5,110	4,948	4,740	4,871	
% change		1.8%	-2.4%	-3.2%	-4.2%	2.8%	-1.1%

Square Footage and Capacity by School
Queen Creek Unified District

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
Queen Creek Elementary School	46,474	0	46,474	4,647	41,827	85	492
District-funded addition to Queen Creek Elementary	25,070	25,070	0	NA	0	80	-
Desert Mountain Elementary	56,670	0	56,670	5,667	51,003	85	600
SFB-funded Jack Barnes Elementary	63,000	0	63,000	NA	63,000	80	788
SFB-funded Frances Brandon-Pickett	63,000	0	63,000	NA	63,000	80	788
Total K-5	**254,214**	**25,070**	**229,144**	**10,314**	**218,830**		**2,667**
Queen Creek Middle School	112,318	5,885	106,433	9,148	97,285	95	1,024
District-funded addition added in FY 05	19,128	19,128	0	0	0	82.7	0
SFB-funded Newell Barney	96,670	0	96,670	NA	96,670	82.7	1,169
District-funded addition to Newell Barney (2)	13,144	3,811	9,333	NA	9,333	82.7	113
Total 6-8	**241,260**	**28,824**	**212,436**	**9,148**	**203,288**		**2,306**
SFB-funded Queen Creek High School	172,972	0	172,972	NA	172,972	120	1,441
District-funded addition to Queen Creek High	23,566	2,370	21,196	2,120	19,076	127	150
SFB-funded addition to Queen Creek High (3)	40,842	0	40,842	NA	40,842	112	365
Total 9-12	**237,380**	**2,370**	**235,010**	**2,120**	**232,890**		**1,956**

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

(2) District-funded portion exceeds excluded space threshold, which varies each year based on ADM. See Local Funds page for amount of square footage projected to be excluded each year.

(3) Originally approved for 40,200 SF. Designed for 40,842 SF within SFB budget.

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

Local Funds Report
Queen Creek Unified District

1/23/2015

K-5 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Queen Creek Elementary School bldg 1002	10,500									
Queen Creek Elementary bldg 1003	14,570									
Cumulative Total	25,070	25,070	25,070	25,070	25,070	25,070	25,070	25,070	25,070	25,070
ADM Projections	2,017	2,118	2,231	2,361	2,561	2,785	3,024	3,226	3,452	3,678
x Minimum adequacy factor	80	80	80	80	80	80	80	80	80	80
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	40,338	42,363	44,627	47,211	51,223	55,703	60,482	64,520	69,041	73,567
Square Footage to be built in excess of 25% threshold (1)	0	0	0	0	0	0	0	0	0	0
Capacity of excess square footage	0	0	0	0	0	0	0	0	0	0

6-8 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
B bond-funded Multipurpose room	19,128									
District-funded addition to Newell Barney	13,144									
Cumulative Total	32,272	32,272	32,272	32,272	32,272	32,272	32,272	32,272	32,272	32,272
ADM Projections	1,109	1,148	1,222	1,308	1,406	1,511	1,592	1,694	1,758	1,848
x Minimum adequacy factor	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	22,939	23,726	25,261	27,037	29,059	31,237	32,908	35,019	36,344	38,202
Square Footage to be built in excess of 25% threshold (1)	9,333	8,546	7,011	5,235	3,213	1,035	0	0	0	0
Capacity of excess square footage	113	103	85	63	39	13	0	0	0	0

Local Funds Report
Queen Creek Unified District

1/23/2015

9-12 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
South Fieldhouse at High School (FY 13)	2,370									
Cumulative Total	2,370	2,370	2,370	2,370	2,370	2,370	2,370	2,370	2,370	2,370
ADM Projections	1,745	1,779	1,868	1,958	2,086	2,249	2,391	2,518	2,637	2,703
x Minimum adequacy factor	94	94	94	94	94	94	94	94	94	94
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	40,997	41,814	43,889	46,005	49,022	52,861	56,191	59,177	61,962	63,514
Square Footage to be built in excess of 25% threshold (1)	0	0	0	0	0	0	0	0	0	0
Capacity of excess square footage	0	0	0	0	0	0	0	0	0	0

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

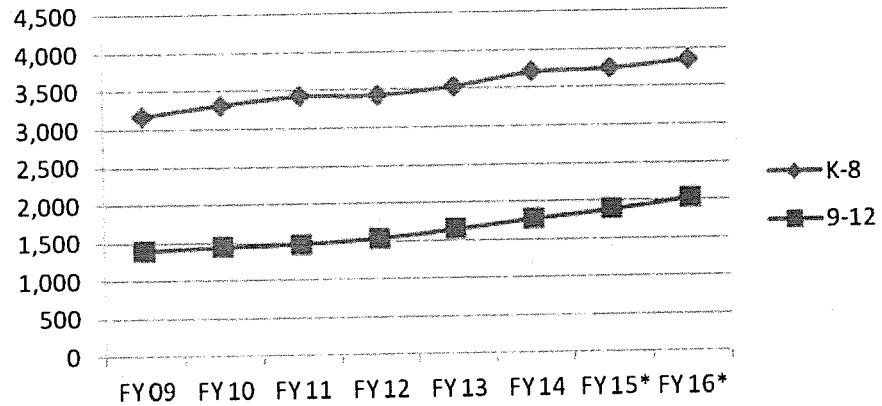
Sahuarita Unified School District

District Overview

Sahuarita Unified School District is located about 20 miles south of Tucson, along Interstate 19. The District serves the City of Sahuarita and the surrounding unincorporated areas. It currently has six elementary schools (K-8) and two high schools, serving over 5,600 ADM.

District ADM

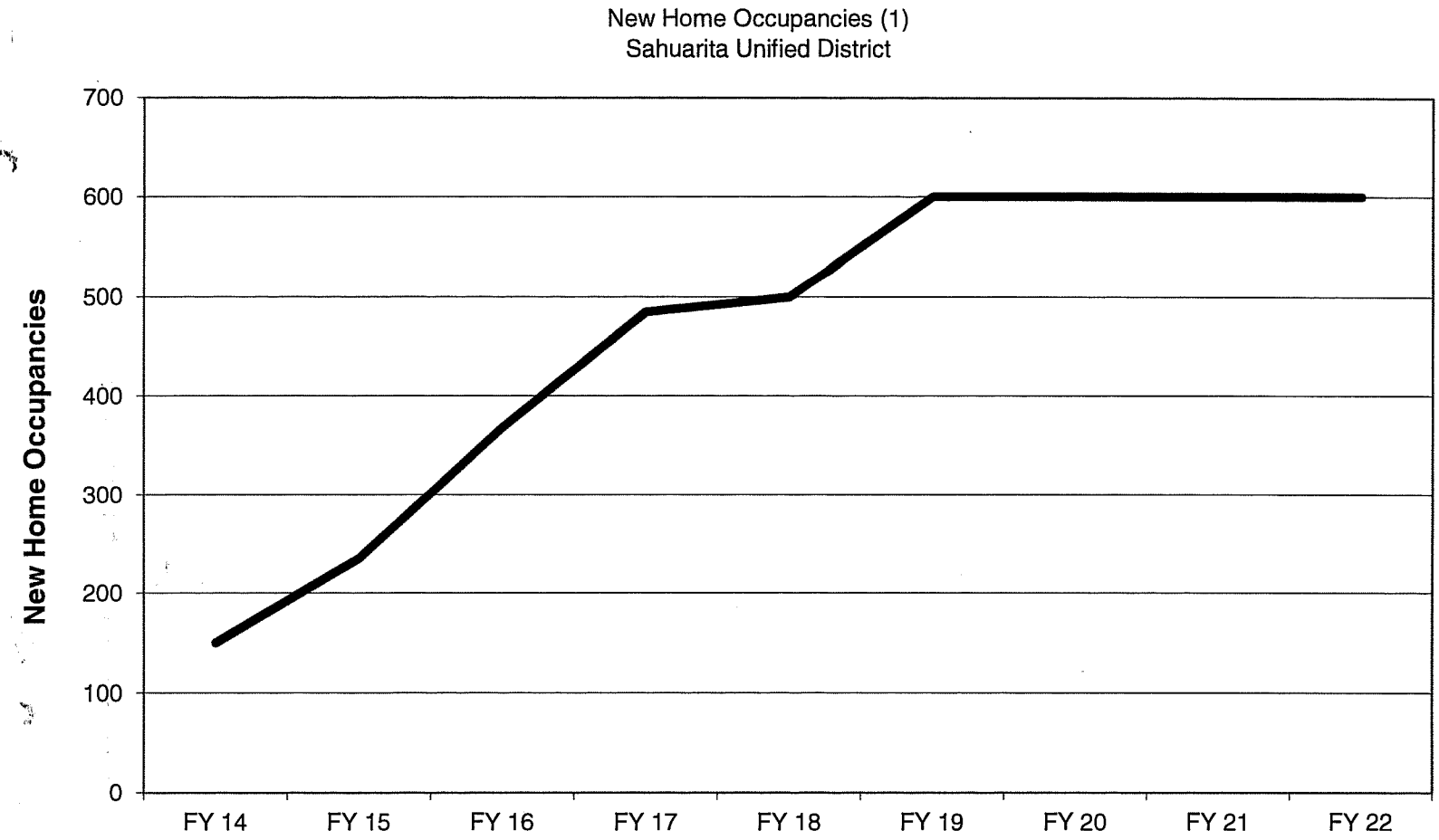
The ADM growth rate during the past five years takes a "V" shape, steadily declining from 4.4% in FY 10 to 1.4% in FY 12, and rebounding to 4.4% in FY 13 and 5.8% in FY 14. The annualized five-year growth rate was 3.7%.



*FY 15 and FY 16: ADM projections

District Outlook

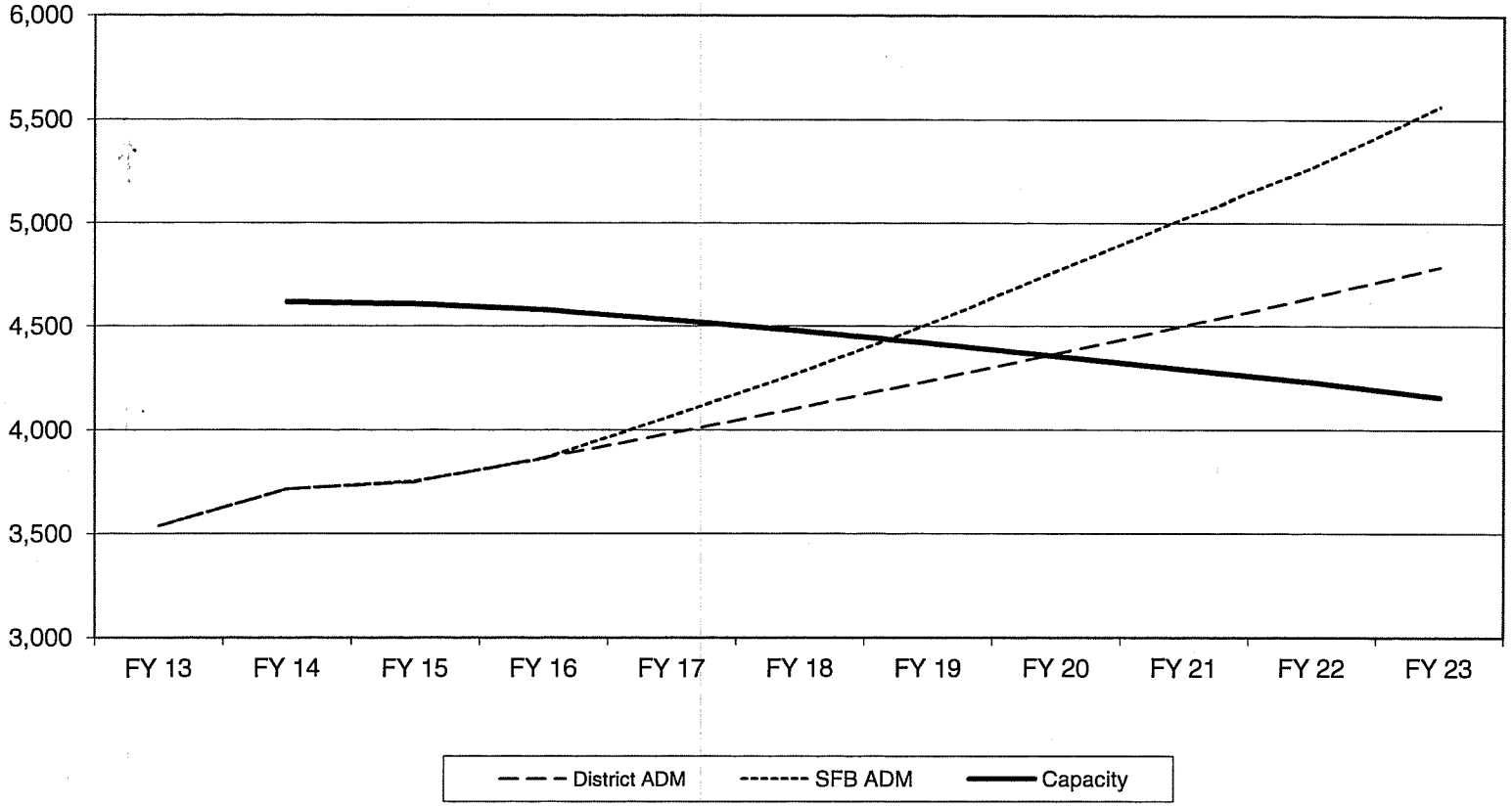
Nearly 7,000 new residential housing permits were issued during 2001-2010, fueling the District's ADM growth from 1,939 in FY 01 to 4,760 in FY 10. With military, federal agencies and defense companies offering relatively stable employment, the unemployment rate in the area has been lower than the state and county averages. The District has not experienced an ADM decline in the past decade, an impressive feat rarely seen in other school districts. This year, the ADM is forecasted to grow by 2.7%. With a significant increase in the number of births in the last few years and resumed construction of new housing units, SFB staff projects that ADM growth rates between 4.5-6.5% will be the norm for most years in the projection cycle.



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

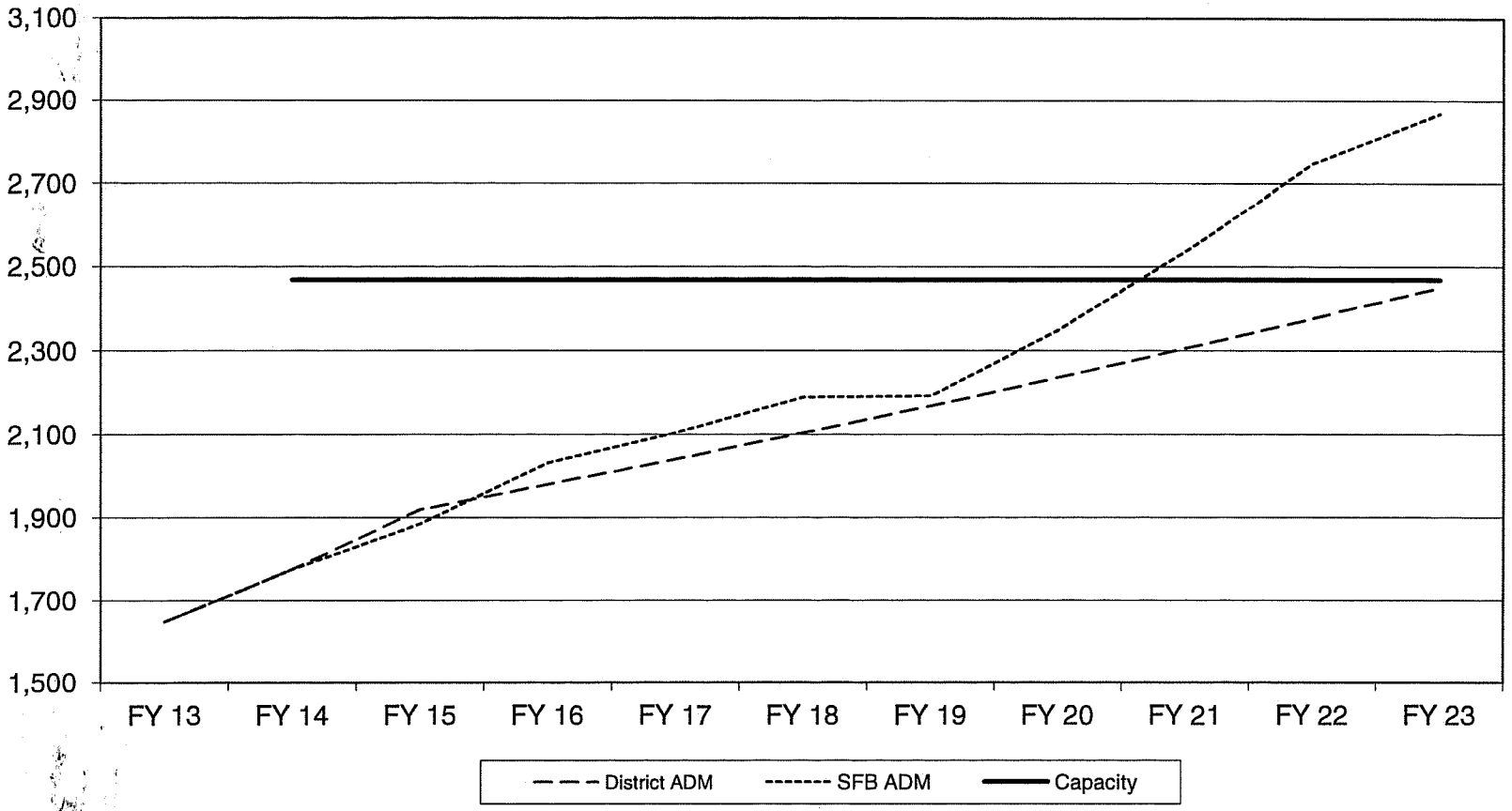
FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
150	235	368	485	500	600	600	600	600	4,138

K-8 Graph
Sahuarita Unified District



K-8	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	3,537	3,714	3,748	3,864	3,984	4,107	4,235	4,366	4,501	4,641	4,785
SFB ADM	3,537	3,714	3,753	3,861	4,067	4,277	4,508	4,766	5,026	5,269	5,565
Capacity		4,618	4,608	4,581	4,529	4,477	4,419	4,355	4,290	4,229	4,155

9-12 Graph
Sahuarita Unified District



9-12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	1,649	1,775	1,920	1,980	2,041	2,104	2,169	2,237	2,306	2,377	2,451
SFB ADM	1,649	1,775	1,885	2,032	2,104	2,190	2,193	2,349	2,537	2,748	2,869
Capacity		2,469	2,469	2,469	2,469	2,469	2,469	2,469	2,469	2,469	2,469

SCHOOL FACILITIES BOARD

2015 New Construction Analysis
Sahuarita Unified District
CTD – 100230
(K-8)

District New Construction Request

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23
					K-8 for 800 (005N)			K-8 for 600 (006N)

Staff Notes Regarding District's Request: Project 005N was conceptually approved last year for 600 students to open in FY 18. Project 006N was conceptually approved last year to open in FY 22. The district does not have any land in inventory for future school sites.

Staff Recommendation for February 4, 2015

FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23
				K-8 for 800 (005N) (Conceptual)			K-8 for 600 (006N) (Conceptual)	

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

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

K-8	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	4,139	4,139	4,139	4,139	4,139	4,139	4,139	4,139	4,139	4,139
District-funded Capacity (2)	479	469	442	390	338	280	216	151	90	16
Total Student Capacity	**4,618**	**4,608**	**4,581**	**4,529**	**4,477**	**4,419**	**4,355**	**4,290**	**4,229**	**4,155**
District's ADM Projections	**3,714**	**3,748**	**3,864**	**3,984**	**4,107**	**4,235**	**4,366**	**4,501**	**4,641**	**4,785**
ADM Growth Rate	5.0%	0.9%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%
Number of Students for which new space is required (3)		-	-	-	-	-	11	211	412	630
SFB Recommended ADM Projections	**3,714**	**3,753**	**3,861**	**4,067**	**4,277**	**4,508**	**4,766**	**5,026**	**5,269**	**5,565**
ADM Growth Rate	5.0%	1.0%	2.9%	5.3%	5.1%	5.4%	5.7%	5.5%	4.8%	5.6%
Number of Students for which new space is required (3)		-	-	-	-	89	411	736	1,040	1,410

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

FEBRUARY 4, 2015 STAFF RECOMMENDATION

The staff recommendation is to conceptually approve:

Project Number / Description	Grade Config.	Design Capacity	SF per Student	Square Feet	Actual Capacity	Approval FY
005N - New school	K-8	800	92.4	73,920	924	FY 19
006N - New school	K-8	800	92.4	73,920	924	FY 22

ADM Projections
Sahuarita Unified District

1/27/2015

District Provided ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	3,537	3,714	3,748	3,864	3,984	4,107	4,235	4,366	4,501	4,641	4,785
% change		5.0%	0.9%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%
9 - 12	1,649	1,775	1,920	1,980	2,041	2,104	2,169	2,237	2,306	2,377	2,451
% change		7.7%	8.2%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%
Total	5,186	5,489	5,668	5,844	6,025	6,211	6,404	6,603	6,807	7,018	7,236
% change		5.8%	3.3%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%

SFB ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	3,537	3,714	3,753	3,861	4,067	4,277	4,508	4,766	5,026	5,269	5,565
% change		5.0%	1.0%	2.9%	5.3%	5.1%	5.4%	5.7%	5.5%	4.8%	5.6%
9 - 12	1,649	1,775	1,885	2,032	2,104	2,190	2,193	2,349	2,537	2,748	2,869
% change		7.7%	6.2%	7.8%	3.5%	4.1%	0.2%	7.1%	8.0%	8.3%	4.4%
Total	5,186	5,489	5,638	5,893	6,172	6,466	6,701	7,115	7,563	8,016	8,433
% change		5.8%	2.7%	4.5%	4.7%	4.8%	3.6%	6.2%	6.3%	6.0%	5.2%

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

SFB ADM Forecast - Last Year	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 8	3,537	3,697	3,827	4,027	4,275	4,508	4,715	4,938	5,142	5,304	5,515
% change		4.5%	3.5%	5.2%	6.2%	5.5%	4.6%	4.7%	4.1%	3.2%	4.0%
9 - 12	1,649	1,767	1,838	1,915	1,935	2,044	2,133	2,247	2,406	2,584	2,681
% change		7.2%	4.0%	4.2%	1.1%	5.6%	4.4%	5.3%	7.1%	7.4%	3.7%
Total	5,186	5,464	5,664	5,941	6,210	6,552	6,849	7,185	7,548	7,888	8,196
% change		5.4%	3.7%	4.9%	4.5%	5.5%	4.5%	4.9%	5.1%	4.5%	3.9%

ADM History
Sahuarita Unified District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
K - 8	3,172	3,316	3,423	3,431	3,537	3,714	
% change		4.5%	3.2%	0.2%	3.1%	5.0%	3.2%
9 - 12	1,402	1,444	1,477	1,538	1,649	1,775	
% change		3.0%	2.3%	4.2%	7.2%	7.7%	4.8%
Total	4,574	4,760	4,900	4,969	5,186	5,489	
% change		4.1%	2.9%	1.4%	4.4%	5.8%	3.7%

Square Footage and Capacity by School
Sahuarita Unified District

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
Sahuarita Primary School	63,967	8,007	55,960	3,090	52,870	88.5	597
Sopori Elementary School	45,486	11,632	33,854	0	33,854	88.5	383
Sahuarita Intermediate School	108,730	34,934	73,796	3,388	70,408	88.5	796
Sahuarita Middle School	114,806	20,669	94,137	6,283	87,854	88.5	993
SFB-funded Anza	115,393	4,513	110,880	NA	110,880	80.9	1,371
Copper View (4)	55,450	17,144	38,306	NA	38,306	80	479
Total K-8 Square Footage	**503,832**	**96,899**	**406,933**	**12,761**	**394,172**		**4,618**
Sahuarita High School	151,282	5,017	146,265	10,645	135,621	127	1,068
SFB-funded additional space project completed in FY 06 (2)	23,063	0	23,063	NA	23,063	112	206
SFB-funded Walden Grove (3)	127,864	0	127,864	NA	127,864	Variable	1,195
District-funded addition to Walden Grove	3,201	3,201	0	NA	0	94	0
Total 9-12 Square Footage	**305,410**	**8,218**	**297,192**	**10,645**	**286,548**		**2,469**

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

(2) This project was originally approved for 23,048 SF, but district reported 23,063 actually built within SFB budget. Entire SFB-funded amount gets included in capacity analysis.

(3) Originally approved 1/5/06 to open FY 09, but delayed due to moratorium. Funded by Series 2010 QSCB. Additional square footage approved 11/4/09. School opened in Fall 2011 with freshmen and sophomores only.

(4) Square footage of this district-funded facility exceeds excluded space threshold. See Local Funds page for excludable area which varies each year based on ADM.

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

Local Funds Report
Sahuarita Unified District

1/27/2015

K-8 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Anza Trail - Bldgs 1005, 1006, and part of 1004	3,607									
Sahuarita Primary - Bldg 1011	8,007									
Sahuarita Intermediate - Bldg 1010	3,720									
Sopori - Bldgs 1009, 1010, 1011	11,632									
Early Childhood Center (FY 12)	9,500									
Middle School Gym (FY 12)	20,669									
Copper View (FY 13)	55,450									
Cumulative Total	112,585	112,585	112,585	112,585	112,585	112,585	112,585	112,585	112,585	112,585
ADM Projections	3,714	3,753	3,861	4,067	4,277	4,508	4,766	5,026	5,269	5,565
x Minimum adequacy factor	80	80	80	80	80	80	80	80	80	80
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	74,279	75,055	77,222	81,349	85,536	90,158	95,314	100,515	105,372	111,294
Square Footage to be built in excess of 25% threshold (1)	38,306	37,530	35,363	31,236	27,049	22,427	17,271	12,070	7,213	1,291
Capacity of excess square footage	479	469	442	390	338	280	216	151	90	16

9-12 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22
Sahuarita High School - Bldgs 1009 and 1010	5,017									
Addition to Walden Grove	3,201									
Cumulative Total	8,218	8,218	8,218	8,218	8,218	8,218	8,218	8,218	8,218	8,218
ADM Projections	1,775	1,885	2,032	2,104	2,190	2,193	2,349	2,537	2,748	2,869
x Minimum adequacy factor	94	94	94	94	94	94	94	94	94	94
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	41,716	44,298	47,756	49,446	51,456	51,535	55,208	59,615	64,570	67,411
Square Footage to be built in excess of 25% threshold (1)	0	0	0	0	0	0	0	0	0	0
Capacity of excess square footage	0	0	0	0	0	0	0	0	0	0

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

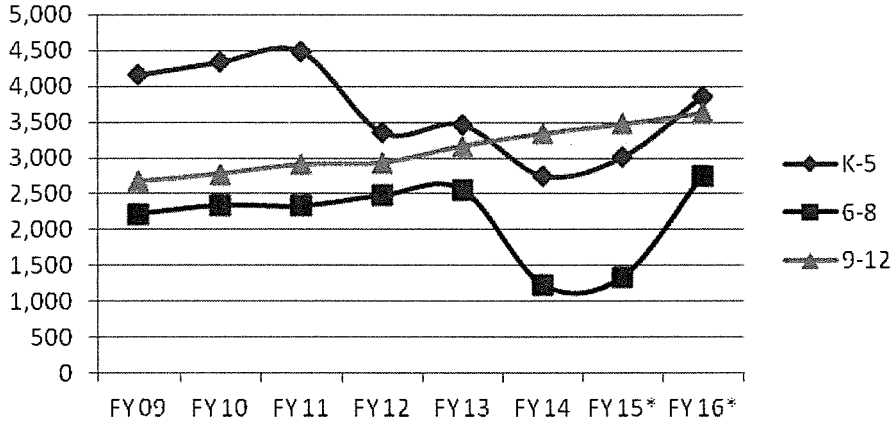
Vail Unified School District

District Overview

Vail Unified School District is located a short distance southeast of Tucson in Pima County. The District covers approximately 425 square miles, bisected by Interstate 10. In FY 12, the District converted Acacia and Mesquite Elementary Schools (K-5) to charter schools. In FY14, the District also converted Desert Willow Elementary, Old Vail Middle and Rincon Vista Middle Schools to charter schools. The District currently serves approximately 7,800 ADM in its seven elementary schools (K-5), five middle schools (6-8) and four high schools.

District ADM

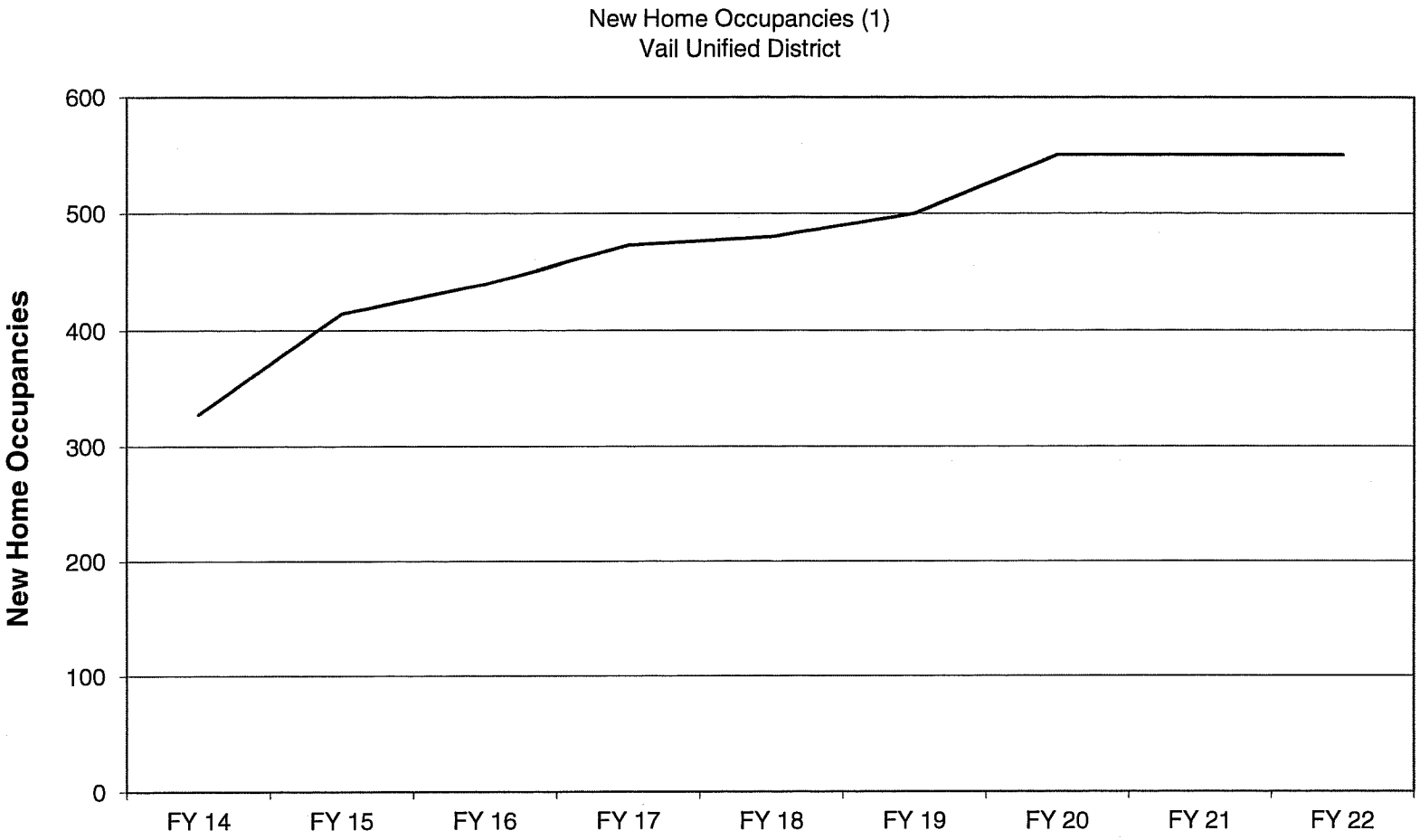
Over the past five years, the annualized growth rate of the District's ADM was -4.1%. The negative growth was due to two significant ADM declines in FY 12 and FY 14 after the District converted some of its district schools to charter schools.



*FY 15 and FY 16: ADM projections

District Outlook

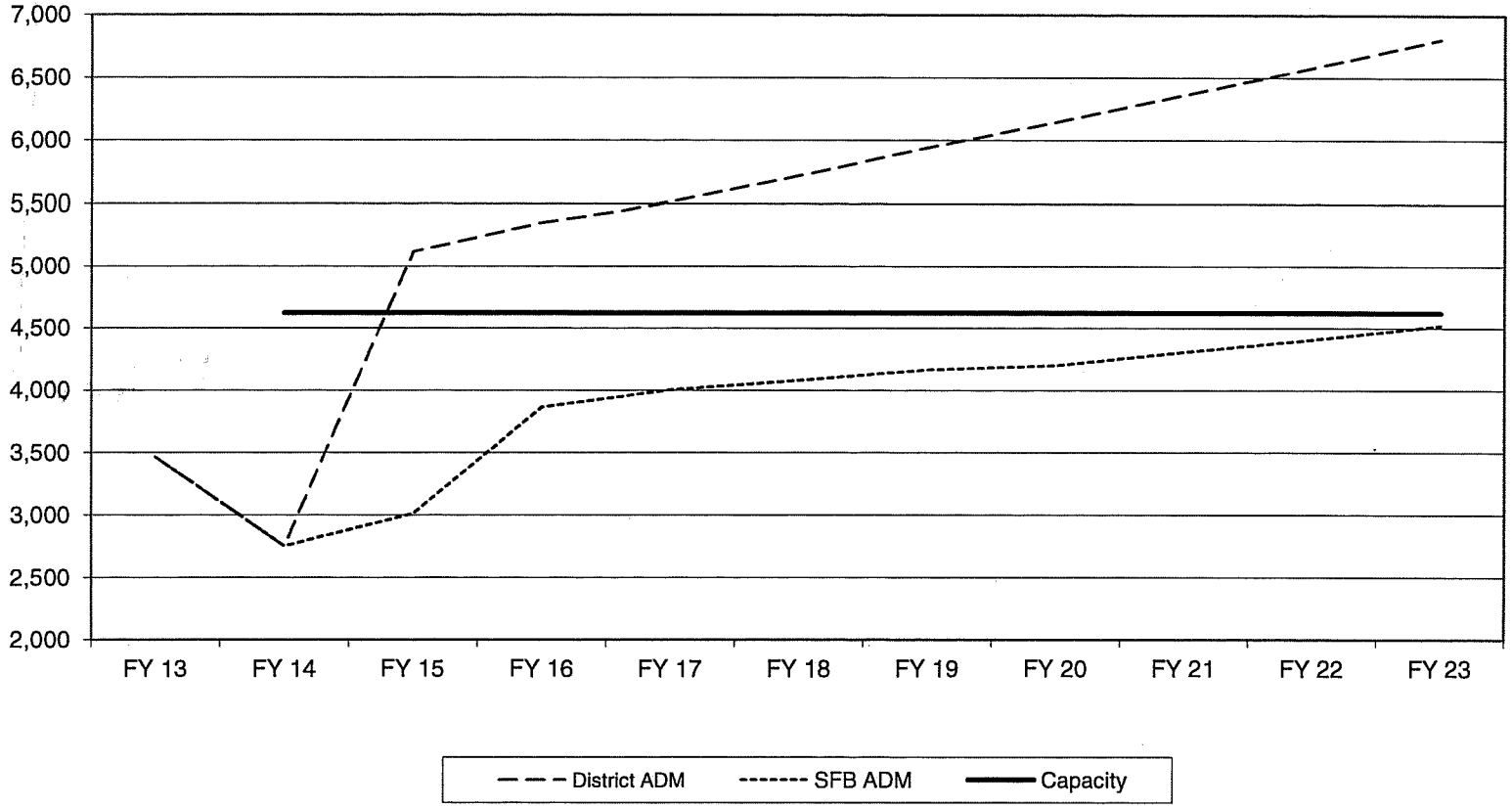
At the peak of the housing market in 2005 and 2006, about 2,000 permits were issued in the district each year and ADM was growing at an annualized rate of 12.3% between FY 05 and FY 08. The growth has since slowed down and declined by 9.8% in FY 12 after the District converted two K-5 schools to charter schools. In FY 14, the District converted three more schools to charter schools, causing ADM to decrease by 20.3%. However, these three schools will convert back to district schools next year (FY 16) and their ADM will be counted again as district ADM. This year, the District's ADM is forecasted to increase 6.9%. SFB staff projects that annual ADM growth rates in the range of 2.0 – 3.5% will be the norm for most years in the projection cycle.



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

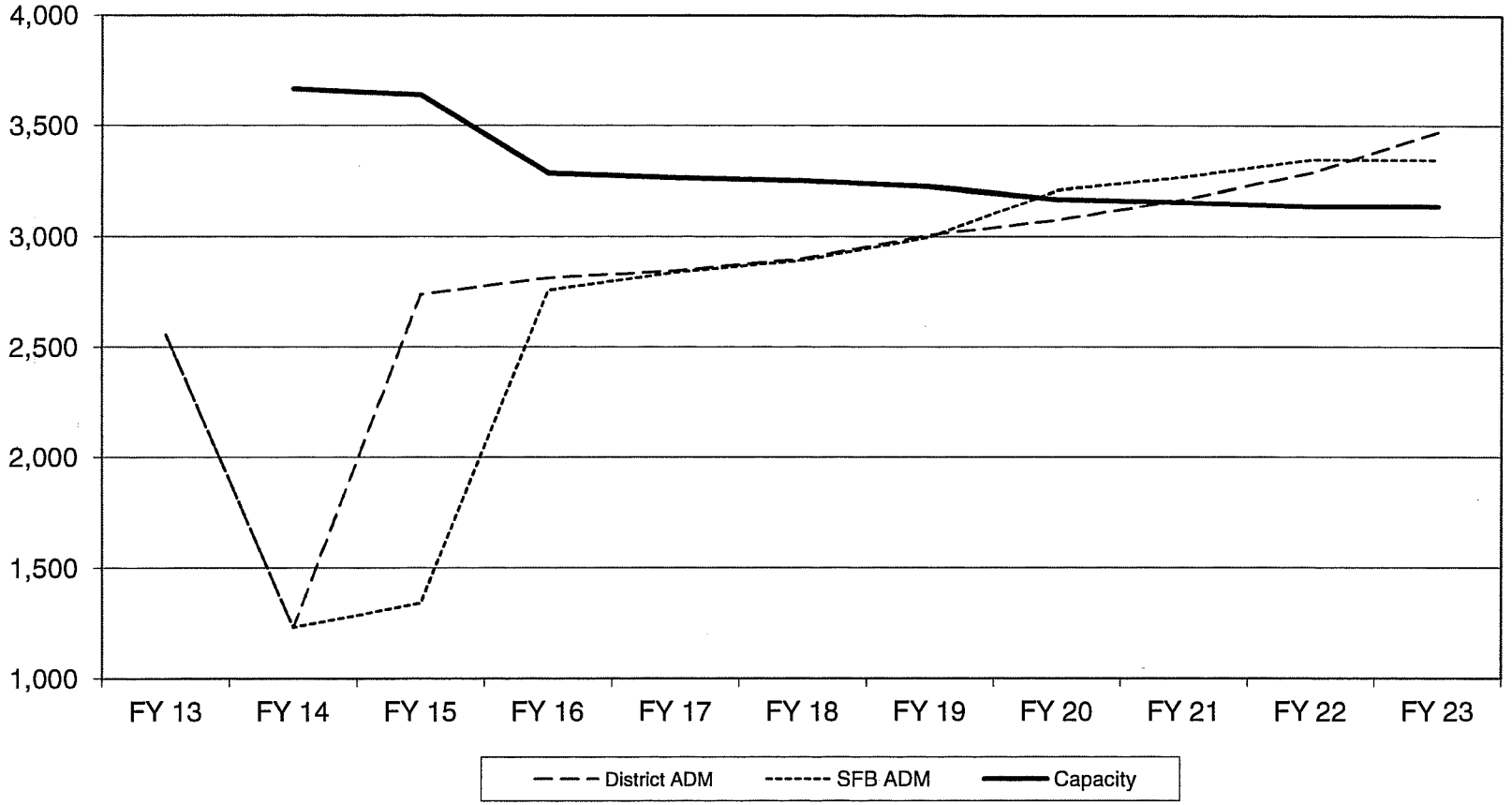
FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Total
328	415	440	473	480	500	550	550	550	4,286

K-5 Graph
Vail Unified District



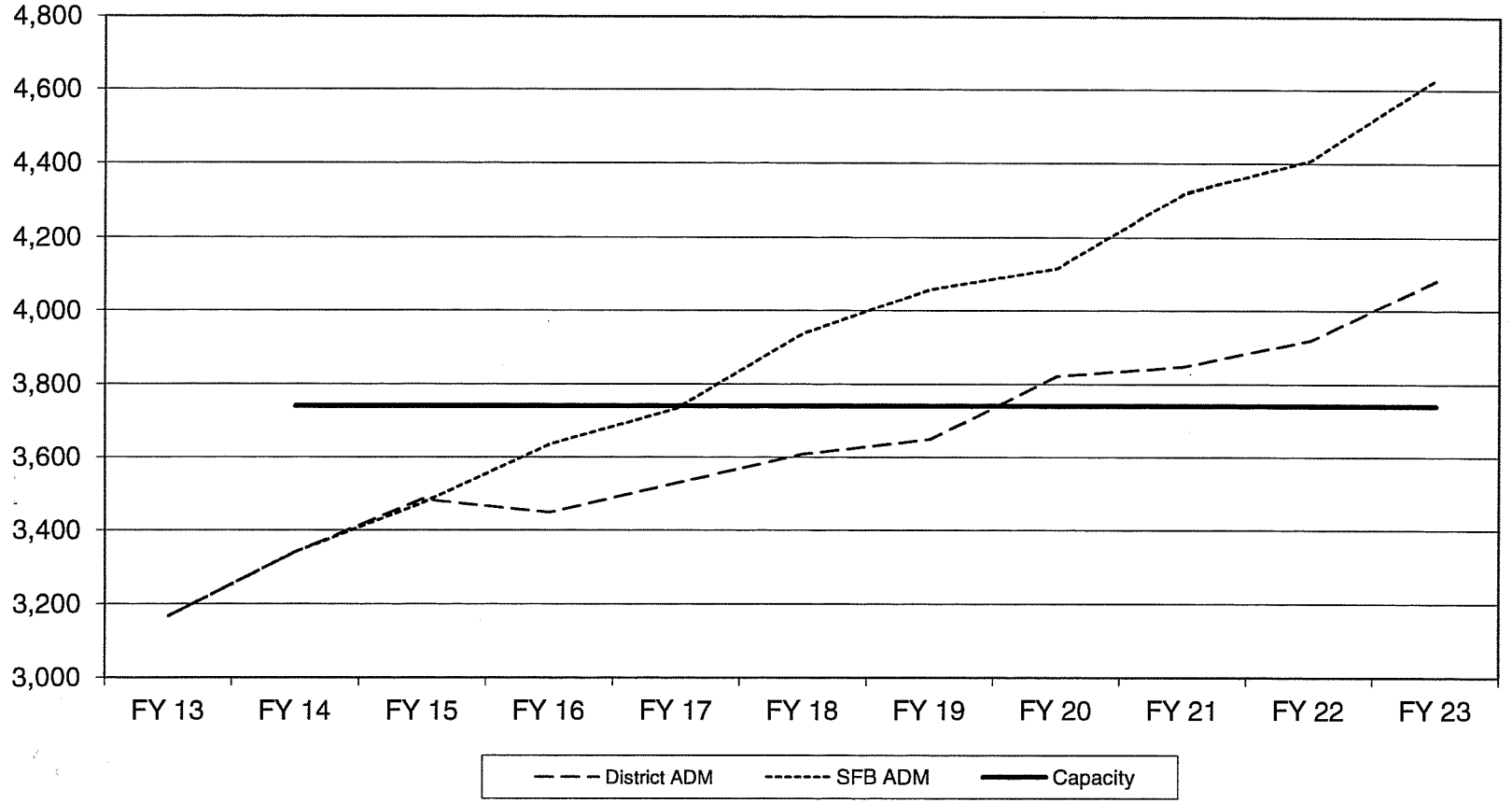
K-5	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	3,465	2,755	5,118	5,348	5,515	5,719	5,942	6,148	6,364	6,580	6,807
SFB ADM	3,465	2,755	3,014	3,863	4,004	4,080	4,164	4,200	4,309	4,410	4,518
Capacity		4,624	4,624	4,624	4,624	4,624	4,624	4,624	4,624	4,624	4,624

6-8 Graph
Vail Unified District



6-8	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	2,558	1,230	2,738	2,814	2,845	2,899	3,008	3,075	3,171	3,288	3,472
SFB ADM	2,558	1,230	1,342	2,758	2,838	2,890	2,998	3,211	3,269	3,346	3,346
Capacity		3,667	3,639	3,285	3,265	3,252	3,225	3,172	3,157	3,138	3,138

9-12 Graph
Vail Unified District



9-12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
District ADM	3,167	3,341	3,485	3,449	3,529	3,609	3,649	3,822	3,848	3,919	4,082
SFB ADM	3,167	3,341	3,474	3,635	3,734	3,939	4,058	4,116	4,321	4,408	4,629
Capacity		3,741	3,741	3,741	3,741	3,741	3,741	3,741	3,741	3,741	3,741

SCHOOL FACILITIES BOARD

2015 New Construction Analysis
Vail Unified District
CTD – 100220
(9-12)

District New Construction Request

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

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

Staff Recommendation for February 4, 2015

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

Note: The actual capacity of a 1,000-student 9-12 school in this district would be 1,330 students.

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

9-12	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Existing Capacity (1)	3,741	3,741	3,741	3,741	3,741	3,741	3,741	3,741	3,741	3,741
Total Student Capacity	**3,741**	**3,741**	**3,741**	**3,741**	**3,741**	**3,741**	**3,741**	**3,741**	**3,741**	**3,741**
District's ADM Projections	**3,341**	**3,485**	**3,449**	**3,529**	**3,609**	**3,649**	**3,822**	**3,848**	**3,919**	**4,082**
ADM Growth Rate	5.5%	4.3%	-1.0%	2.3%	2.3%	1.1%	4.7%	0.7%	1.8%	4.2%
Number of Students for which new space is required (2)		-	-	-	-	-	81	107	178	341
SFB Recommended ADM Projections	**3,341**	**3,474**	**3,635**	**3,734**	**3,939**	**4,058**	**4,116**	**4,321**	**4,408**	**4,629**
ADM Growth Rate	5.5%	4.0%	4.6%	2.7%	5.5%	3.0%	1.4%	5.0%	2.0%	5.0%
Number of Students for which new space is required (2)		-	-	-	198	317	374	580	666	888

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

FEBRUARY 4, 2015 STAFF RECOMMENDATION

The staff recommendation is to conceptually approve:

Project Number / Description	Grade Config.	Design Capacity	SF per Student	Square Feet	Actual Capacity	Approval FY
New school	9-12	1,000	125	125,000	1,330	FY 18

ADM Projections
Vail Unified District

1/23/2015

District Provided ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 5	3,465	2,755	5,118	5,348	5,515	5,719	5,942	6,148	6,364	6,580	6,807
% change		-20.5%	85.8%	4.5%	3.1%	3.7%	3.9%	3.5%	3.5%	3.4%	3.4%
6 - 8	2,558	1,230	2,738	2,814	2,845	2,899	3,008	3,075	3,171	3,288	3,472
% change		-51.9%	122.5%	2.8%	1.1%	1.9%	3.8%	2.2%	3.1%	3.7%	5.6%
9 - 12	3,167	3,341	3,485	3,449	3,529	3,609	3,649	3,822	3,848	3,919	4,082
% change		5.5%	4.3%	-1.0%	2.3%	2.3%	1.1%	4.7%	0.7%	1.8%	4.2%
Total	9,191	7,326	11,341	11,611	11,889	12,227	12,599	13,045	13,383	13,787	14,361
% change		-20.3%	54.8%	2.4%	2.4%	2.8%	3.0%	3.5%	2.6%	3.0%	4.2%

SFB ADM Forecast	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
K - 5	3,465	2,755	3,014	3,863	4,004	4,080	4,164	4,200	4,309	4,410	4,518
% change		-20.5%	9.4%	28.2%	3.6%	1.9%	2.0%	0.9%	2.6%	2.3%	2.5%
6 - 8	2,558	1,230	1,342	2,758	2,838	2,890	2,998	3,211	3,269	3,346	3,346
% change		-51.9%	9.1%	105.5%	2.9%	1.9%	3.7%	7.1%	1.8%	2.4%	0.0%
9 - 12	3,167	3,341	3,474	3,635	3,734	3,939	4,058	4,116	4,321	4,408	4,629
% change		5.5%	4.0%	4.6%	2.7%	5.5%	3.0%	1.4%	5.0%	2.0%	5.0%
Total	9,191	7,326	7,830	10,256	10,575	10,910	11,219	11,526	11,898	12,164	12,494
% change		-20.3%	6.9%	31.0%	3.1%	3.2%	2.8%	2.7%	3.2%	2.2%	2.7%

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

ADM History
Vail Unified District

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	5-Year Average
K - 5	4,156	4,336	4,485	3,357	3,465	2,755	
% change		4.4%	3.4%	-25.1%	3.2%	-20.5%	-7.9%
6 - 8	2,220	2,341	2,332	2,478	2,558	1,230	
% change		5.4%	-0.4%	6.3%	3.2%	-51.9%	-11.1%
9 - 12	2,671	2,776	2,909	2,933	3,167	3,341	
% change		3.9%	4.8%	0.8%	8.0%	5.5%	4.6%
Total	9,047	9,453	9,725	8,768	9,191	7,326	
% change		4.5%	2.9%	-9.8%	4.8%	-20.3%	-4.1%

Square Footage and Capacity by School
Vail Unified District

School	Gross Area	Excluded Area	Net Area	IC Deduct	Net of IC	Divisor (1)	Capacity
VSD Community Services	12,434	12,434	0	0	0	85	0
Acacia Elementary School	55,719	1,800	53,919	4,071	49,848	85	586
Desert Willow Elementary School	66,873	0	66,873	4,983	61,890	85	728
Mesquite Elementary (2)	55,265	0	55,265	3,455	51,810	85	610
Vail Inclusive Preschool (formerly Pantano Alternative School)	4,950	4,950	0	0	0	94	0
SFB-funded Cottonwood Elementary	63,999	9,999	54,000	NA	54,000	80	675
SFB-funded Sycamore Elementary (excluding bldg 1008) (3)	67,705	13,705	54,000	NA	54,000	80	675
SFB-funded Sycamore Elementary (bldg 1008) (4)	7,428	7,428	0	NA	0	80	0
SFB-funded Ocotillo Ridge	57,067	3,067	54,000	NA	54,000	80	675
SFB-funded Senita Valley (excluding bldgs 1003 and 1004)	35,225	3,532	31,693	NA	31,693	80	396
SFB-funded Senita Valley bldgs 1003 and 1004 (K-5 portion) (5)	22,307	0	22,307	NA	22,307	80	279
Total K-5	**448,972**	**56,915**	**392,057**	**12,509**	**379,548**		**4,624**
Old Vail Middle School (6)	77,634	0	77,634	5,621	72,013	95	758
Buildings 1015 and 1016 at Old Vail Middle School (7)	10,390	0	10,390	NA	10,390	82.7	126
Building 1012 at Mesquite Elementary	2,128	0	2,128	0	2,128	95	22
SFB-funded Desert Sky Middle School (8)	76,981	22,416	54,565	NA	54,565	82.7	660
SFB-funded Corona Foothills (9)	65,258	0	65,258	NA	65,258	80	816
District-funded addition to Corona Foothills	29	0	29	NA	29	80	0
SFB-funded Sycamore Elementary (bldg 1008) (4)	4,051	4,051	0	NA	0	80	0
SFB-funded Senita Valley bldgs 1003 and 1004 (6-8 portion) (5)	14,705	14,705	0	NA	0	80	0
Rincon Vista Middle School (11)	57,248	5,844	51,404	NA	51,404	80	643
SFB-funded Esmond Station (10)	51,168	0	51,168	NA	51,168	80	640
District-funded addition to Esmond Station	237	0	237	NA	237	80	3
Total 6-8	**359,829**	**47,016**	**312,813**	**5,621**	**307,192**		**3,667**

Square Footage and Capacity by School
Vail Unified District

SFB-funded Cienega High School (8)	238,515	17,415	221,100	NA	221,100	120	1,843
SFB-funded Empire High (12)	102,608	0	102,608	NA	102,608	94	1,092
District-funded addition to Empire (Auditorium)	13,000	13,000	0	NA	0	94	0
SFB-funded Andrada Polytehnic High School	65,549	0	65,549	NA	65,549	94	697
District-funded addition to Andrada	13,392	13,392	0	NA	0	94	0
SFB-funded Pantano High School	10,326	0	10,326	NA	10,326	94	110
District-funded addition to Pantano	2,110	2,110	0	NA	0	94	0
Total 9-12	**445,500**	**45,917**	**399,583**	**0**	**399,583**		**3,741**
(1) Based on either the SFB Working Definition of Student Capacity or A.R.S. 15-2011 depending on the type of square footage.							
(2) Does not include building 1012 which serves grades 6-8.							
(3) The district added square footage to this school with local funds, but it is excludable (see Local Funds page).							
(4) This building is located on Sycamore Elementary's campus and is shared with Corona Foothills Middle School. It serves grades K-8. Square footage is prorated assuming an equal distribution among grade levels. The district funded this building with local funds, and it is entirely excludable (see Local Funds page).							
(5) The district added 6-8 square footage to this elementary school with local funds. It is entirely excluded (see Local Funds page.)							
(6) Does not include 10,390 SF funded with Deficiency Corrections (bldgs 1015 and 1016).							
(7) This additional square footage was approved at the same time as Desert Sky Middle School, but was added to Old Vail Middle School instead of Desert Sky. Funded with Deficiency Corrections.							
(8) The district added square footage to this school with Class B Bonds which were approved by voters prior to June 30, 2002. Therefore, the additional square footage is excludable and 25% threshold calculation is not applicable.							
(9) This school was originally approved for 62,786 SF.Actual measurements taken by SFB staff in December 2007 indicate that 63,155 SF were actually built (includes 6-8 portion of building 1008 at Sycamore Elementary) within SFB budget. This entire amount counts against the district's capacity.							
(10) Project was downsized 4/1/09. Funded by QSCB issue.							
(11) Square footage of this district-funded facility exceeds excluded space threshold. See Local Funds page for excludable area which varies each year based on ADM.							
(12) This school was originally approved for 100,500 SF. Actual measurements taken by SFB staff in December 2007 indicate that 102,608 SF were actually built within SFB budget. This entire amount counts against the district's capacity.							
Note: SFB-funded schools are not adjusted for interior corridors.							

Local Funds Report
Vail Unified District

1/23/2015

K-5 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Sycamore bldg 1003 (FY 03) (added with UCO)	11,665									
Sycamore bldg 1008 (FY 03) (added with UCO) (K-5 portion only)	7,428									
Cottonwood bldg 1007 (FY 05)	2,100									
Cottonwood bldg 1008 (FY 07)	2,100									
Ocotillo Ridge bldg 1003 (FY 07)	3,067									
Sycamore bldg 1009 (FY 07)	2,040									
Senita Valley portion of bldg 1001 (FY 08)	3,532									
Cottonwood bldg 1006 (FY 08)	2,500									
VSD Community Services (FY 11)	3,752									
Cumulative Total	38,184	38,184	38,184	38,184	38,184	38,184	38,184	38,184	38,184	38,184
ADM Projections	2,755	3,014	3,863	4,004	4,080	4,164	4,200	4,309	4,410	4,518
x Minimum adequacy factor	80	80	80	80	80	80	80	80	80	80
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	55,093	60,273	77,256	80,075	81,609	83,270	83,995	86,171	88,195	90,367
Square Footage to be built in excess of 25% threshold (1)	0	0	0	0	0	0	0	0	0	0
Capacity of excess square footage	0	0	0	0	0	0	0	0	0	0

6-8 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Sycamore bldg 1008 (FY 03) (added with UCO) (6-8 portion only)	4,051									
Senita Valley portion of bldgs 1003 and 1004 (FY 08)	14,705									
Rincon Vista (FY 10)	57,248									
Esmond Station (FY 13)	237									
Corona Foothills bldg. 1010 (FY 13)	29									
Cumulative Total	76,270	76,270	76,270	76,270	76,270	76,270	76,270	76,270	76,270	76,270
ADM Projections	1,230	1,342	2,758	2,838	2,890	2,998	3,211	3,269	3,346	3,346
x Minimum adequacy factor	80	80	80	80	80	80	80	80	80	80
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	24,606	26,847	55,164	56,754	57,806	59,958	64,221	65,372	66,928	66,917
Square Footage to be built in excess of 25% threshold (1)	51,664	49,423	21,106	19,516	18,465	16,313	12,050	10,898	9,343	9,353
Capacity of excess square footage	646	618	264	244	231	204	151	136	117	117

9-12 Square Footage	Prior Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23
Pantano Alternative HS	4,950									
District Auditorium at Empire High School (FY 09)	13,000									
Andrada Polytechnic High School (FY 13)	13,392									
Pantano High School (FY 13)	2,110									
Cumulative Total	33,452	33,452	33,452	33,452	33,452	33,452	33,452	33,452	33,452	33,452
ADM Projections	3,341	3,474	3,635	3,734	3,939	4,058	4,116	4,321	4,408	4,629
x Minimum adequacy factor	94	94	94	94	94	94	94	94	94	94
x 25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%
25% Threshold	78,507	81,637	85,412	87,748	92,565	95,359	96,717	101,545	103,579	108,791
Square Footage to be built in excess of 25% threshold (1)	0	0	0	0	0	0	0	0	0	0
Capacity of excess square footage	0	0	0	0	0	0	0	0	0	0

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

STATE OF ARIZONA
SCHOOL FACILITIES BOARD

Meeting Date: February 4, 2015 **Agenda Item VI.**

Subject: **VI. Reduction of Square Footage Requests**
Consideration and possible vote to accept, reject or modify Requests for Reduction of Square Footage

Yuma Elementary

Per A.R.S. §15-341, subsection G, school districts are required to obtain SFB permission prior to taking any action that would reduce pupil square footage.

Background – Yuma Elementary (K-5)
The district has requested the removal of the following buildings from the district's inventory:

K-5 School	Building No.	Square Footage Change	Student Capacity Change
Roosevelt School	1004	(1,120)	(13)
Roosevelt School	1005	(1,440)	(17)
Total K-5		**(2,560)**	**(30)**

A reduction of 30 seats would yield a new K-5 capacity of 6,456 students. Based on the ADM projections presented at the December 10, 2014 Board meeting, the district's K-5 ADM will not reach 6,456 within the analysis timeframe (FY 23).

Staff Recommendation (K-5)
Staff recommends the Board approve Yuma Elementary's request to remove Buildings 1004 and 1005 at Roosevelt School from the inventory.

Background – Yuma Elementary (6-8)
The district has requested the removal of the following building from the district's inventory:

6-8 School	Building No.	Square Footage Change	Student Capacity Change
Woodard Jr. High School	1010	(840)	(9)

A reduction of 9 seats would yield a new 6-8 capacity of 3,595 students. Based on the ADM projections presented at the December 10, 2014 Board meeting, the district's 6-8 ADM will not reach 3,595 within the analysis timeframe (FY 23).

Staff Recommendation (6-8)
Staff recommends the Board approve Yuma Elementary's request to remove Building 1010 at Woodard Jr. High School from the inventory.

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

1. Board approval of the staff recommendation to approve **Yuma Elementary**'s request to remove Buildings 1004 and 1005 at Roosevelt School from the inventory.

2. Board approval of the staff recommendation to approve **Yuma Elementary**'s request to remove Building 1010 at Woodard Jr. High School from the inventory.

Attachments: Yes [ ] No [X]

Building Renewal Grants
January 30, 2015

FY 2009 Appropriation	$20,000,000
FY 2009 Sweep	($13,000,000)
FY 2010 Appropriation	$3,000,000
FY 2010 Sweep	($332,100)
FY 2011 Appropriation	$2,667,900
FY 2012 Appropriation	$2,667,900
FY 2012 Supplemental Appropriation	$11,500,000
FY 2013 Appropriation	$2,667,900
FY 2014 Appropriation	$16,667,900
FY 2015 Appropriation	$16,667,900
Total Available	$62,507,400
Project Awards to Date *	($56,633,743)
Balance **	$5,873,657
February 4, 2015 Awards	($3,769,506)
Balance **	$2,104,151

The Board has awarded 685 projects.

55 projects are in design
219 projects are in construction
411 projects are complete

* Includes projects authorized by Executive Director and presented to Board for ratification 2/4/15.
** Includes savings from projects closed out since last Board meeting (listed below).

District	Project No.	Scope	Award	Amount Expended	Remaining Balance
Ajo USD	001	Special Systems	$5,800	$4,809	$991
Apache Junction USD	001	Surfaces	$33,600	$29,174	$4,426
Bonita ESD	004	General Renovation	$15,500	$12,486	$3,014
Bullhead City ESD	003	HVAC	$464,848	$430,451	$34,397
Bullhead City ESD	007	Special Systems	$7,737	$6,421	$1,316
Bullhead City ESD	008	Special Systems	$7,673	$3,399	$4,274
Bullhead City ESD	010	Plumbing	$5,000	$378	$4,622
Bullhead City ESD	011	HVAC	$7,125	$7,020	$105
Casa Grande ESD	001	HVAC	$147,869	$137,524	$10,345
Casa Grande ESD	013	HVAC	$175,501	$123,921	$51,580
Casa Grande ESD	017	Special Equipment	$20,000	$16,071	$3,929
Casa Grande UHSD	009	HVAC	$28,753	$28,753	$0
Chandler USD	001	Roof	$314,200	$155,170	$159,030
Colorado River UHSD	016	Plumbing	$10,194	$9,694	$500
Cottonwood-Oak Creek ESD	003	HVAC	$4,716	$4,200	$516
Flagstaff USD	001	HVAC	$298,750	$288,421	$10,329
Flagstaff USD	004	HVAC	$64,480	$59,692	$4,788
Gila Bend USD	002	HVAC	$2,500	$2,163	$337
Gila Bend USD	003	HVAC	$2,800	$2,373	$427
Gila Bend USD	004	HVAC	$2,500	$2,174	$326
Gila Bend USD	005	HVAC	$2,500	$2,063	$437
Gila Bend USD	007	Special Equipment	$23,000	$21,675	$1,325
Gila Bend USD	009	HVAC	$2,500	$2,019	$481

Kingman USD	006	HVAC	$10,000	$5,317	$4,683
Kirkland ESD	005	Plumbing	$3,600	$2,963	$637
Lake Havasu USD	008	Special Systems	$4,000	$3,000	$1,000
Lake Havasu USD	009	HVAC	$6,885	$5,635	$1,250
Lake Havasu USD	010	HVAC	$9,000	$5,503	$3,497
Mayer USD	005	Special Systems	$2,613	$1,759	$854
Mayer USD	006	Special Systems	$500	$342	$158
Miami USD	002	Special Systems	$8,500	$8,208	$292
Miami USD	003	HVAC	$14,016	$11,327	$2,689
Mohave Valley ESD	016	HVAC	$14,500	$12,083	$2,417
Mohave Valley ESD	017	HVAC	$34,000	$32,146	$1,854
Paloma ESD	008	Plumbing	$4,274	$3,765	$509
Payson USD	003	Surfaces	$429,800	$191,818	$237,982
Saddle Mountain USD	004	HVAC	$13,590	$12,903	$687
Saddle Mountain USD	005	HVAC	$6,500	$5,499	$1,001
Scottsdale USD	023	HVAC	$6,200	$5,859	$341
Scottsdale USD	026	HVAC	$6,498	$5,598	$900
Skull Valley ESD	003	Plumbing	$12,000	$8,521	$3,479
Tolleson ESD	010	Special Systems	$5,401	$4,900	$501
Wickenburg USD	001	Surfaces	$165,000	$127,449	$37,551
Wickenburg USD	002	HVAC	$8,000	$6,444	$1,556
Wickenburg USD	003	HVAC	$2,942	$375	$2,567
					$603,900

STATE OF ARIZONA
SCHOOL FACILITIES BOARD

Meeting date: February 4, 2015 **Agenda Item VII.a.**

Subject: **VII. Building Renewal Grant Requests**

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

Clarkdale-Jerome Elementary
Safford Unified
Valley Union

Background – Clarkdale-Jerome Elementary (Clarkdale-Jerome ES – repair grease trap)
Clarkdale-Jerome Elementary has submitted a Building Renewal Grant request to repair the grease trap in the cafeteria Building 1004 at Clarkdale-Jerome Elementary School (project number 130403101-1004-005BRG).

Clarkdale-Jerome Elementary, located 106 miles north of Phoenix in the Verde River Valley, has one school. Clarkdale-Jerome Elementary School is comprised of eleven buildings constructed between 1984 and 2002, totaling 48,288 square feet. Building 1004 was built in 1984, totaling 11,657 square feet.

The district received a proposal for the repairs in the amount of $ 3,750.

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 – Clarkdale-Jerome Elementary (Clarkdale Jerome ES - repair grease trap)
Staff recommends that Clarkdale-Jerome Elementary be awarded $4,750 in Building Renewal Grant funding for the repair of the grease trap in the cafeteria Building 1004 at Clarkdale-Jerome Elementary School (project number 130403101-1004-005BRG). This includes $1,000 in contingency that will only be used with SFB staff approval.

Background – Safford Unified (Safford MS – replace 10-ton HVAC unit)
Safford Unified has submitted a Building Renewal Grant request to replace a 10-ton gas package unit because of a cracked heat exchanger in the school office Building 1003 at Safford Middle School (project number 050201102-1003-004BRG).

Safford Unified, located 165 miles southeast of Phoenix, has six schools. Safford Middle School is comprised of fifteen buildings constructed between 1930 to 2000, totaling 97,597 square feet. Building 1003 was built in 1961, totaling 12,749 square feet.

The district received a proposal to replace the unit in the amount of $9,290.

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 – Safford Unified (Safford MS – replace 10-ton HVAC unit)
Staff recommends that Safford Unified be awarded $10,000 in Building Renewal Grant funding for the replacement of 10-ton gas package unit on Building 1003 at Safford Middle School (project number 050201102-1003-004BRG). This includes $710 in contingency that will only be used with SFB staff approval.

Background – Valley Union (Valley Union HS – repair well pump)
Valley Union has submitted a Building Renewal Grant request for the repair of the well pump at Valley Union High School (project number 020522201-9999-004BRG).

Valley Union, located 117 miles southeast of Tucson, has one school. Valley Union High School is comprised of eleven buildings constructed between 1950 and 2007, totaling 59,812 square feet.

The district requested proposals; the lowest was $5,223.

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Valley Union (Valley Union HS – repair well pump)
Staff recommends that Valley Union be awarded $6,100 in Building Renewal Grant funding to repair the well pump at Valley Union High School (project number 020522201-9999-004BRG). This includes $877 in contingency that will only be used with SFB staff approval.

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

1. Board ratification that **Clarkdale-Jerome Elementary** be awarded $4,750 in Building Renewal Grant funding for the repair of the grease trap in the cafeteria Building 1004 at Clarkdale-Jerome Elementary School (project number 130403101-1004-005BRG). This includes $1,000 in contingency that will only be used with SFB staff approval.

2. Board ratification that **Safford Unified** be awarded $10,000 in Building Renewal Grant funding for the replacement of 10-ton gas package unit on Building 1003 at Safford Middle School (project number 050201102-1003-004BRG). This includes $710 in contingency that will only be used with SFB staff approval.

3. Board ratification that **Valley Union** be awarded $6,100 in Building Renewal Grant funding to repair the well pump at Valley Union High School (project number 020522201-9999-004BRG). This includes $877 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: **Clarkdale-Jerome Elementary**
BRG Project Number: **130403101-1004-005BRG** Yavapai County
Project Description: **Repair grease trap**
Architect of Record: n/a
Contractor: T.L. Plumbing, Inc. (928-282-9398)

Executive Authority: 1/14/2015
Board Ratification: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost		**$ 3,750**
Contingency ①		**$ 1,000**
Architecture / Engineering (A&E)		$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		**$ -**
Total SFB Funded Project Cost:		**$ 4,750**
District Share (Local Funds):		$ -
SFB Board Approved Amount:		**$ 4,750**
Total Project Cost:		**$ 4,750**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: 1/9/2015 11:15:01 AM **Application ID:** 1749
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: Clarkdale-Jerome Elementary District

Superintendent: Kathleen Fleenor

Contact Person: Kristy Aston

Contact Phone Number: 928-634-5035

Contact Email: kristy.aston@cjsd.k12.az.us

School Site: Clarkdale-Jerome Elementary School

Buildings: 1004 Building D

Application Title: Grease Trap Repair

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.

Grease trap is backed up and not draining. Baffles on both sides need to be replaced and cleanout installed.

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.

District does not have any money in the building renewal fund.

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

Superintendent Printed Name

Superintendent Signature Date

T. L. Plumbing, INC.

Licensed & Bonded

Res/Com #136746

2155 Shelby Drive Suite E

Sedona, AZ 86336

Phone (928) 282-9398 Fax (928) 282-6521

Proposal for Clarkdale Jerome School Grease Trap Repair

The inlet and outlet of the grease trap need to be replaced this includes: saw cutting and jack hammering the concrete, removal of concrete, digging up old lines, installing new baffles on both the inlet and outlet sides of the grease trap inside of tank. Then install two way cleanouts on both the inlet and outlet side of tank then back fill and pour new concrete. The total for this work as described above with tax included is $3,750.00, then there may be other issues going on with the outlet line to the sewer and may need to video camera the line, this additional expense will be $150.00 plus whatever work may be discovered.

Larry Nevitt

(928)300-5389

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Safford Unified**
Project Number: **050201102-1003-004BRG** Graham County
Project Description: **Replace 10-ton HVAC unit**
Architect of Record: n/a
Contractor: Jon's Heating and Cooling (928-428-0753)

Executive Authority: 12/31/2014
Board ratification: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost		**$ 9,290**
Contingency ①		**$ 710**
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 Share (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
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: 12/30/2014 2:40:23 PM **Application ID:** 1747

Resubmittal Date:

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

District Name: Safford Unified District

Superintendent: Mark Tregaskes

Contact Person: Tim McHugh

Contact Phone Number: 928-348-6985

Contact Email: tmchugh@saffordusd.com

School Site: Safford Middle School

Buildings: 1003 Building A

Application Title: HVAC replacement for office.

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 unit over school office no longer safe to operate. Due to age and wear, heat exchanger has cracked and carbon monoxide gas is leaking into the facility.

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.

Not covered by District insurance. The District has fully expended its building renewal funds and does not have excess capital funds available for this critical project.

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

Superintendent Printed Name

Superintendent Signature Date

Jon's Heating and Cooling

Jon's Heating and Cooling LLC
dba Jon's Heating & Cooling
P.O. Box 939
Thatcher, AZ 85552

E-mail: jonshc@yahoo.com
Telephone (928) 428-0753
Fax (928) 478-8606
Contractors License No. ROC263129 K-39

Safford Schools
RE: 10-ton unit on Middle School

Price to furnish and install one 10-ton RHEEM/RUUD 13 SEER system:

11.2 EER 1-stage	$6200
	$334.60 tax
	$6534.60 total
13 EER 2-stage	$8800
	$489.10 tax
	$9289.10 tax

Thank you for giving us the opportunity to quote on this job. To accept terms of this quote, sign and return one copy to Jon's Heating and Cooling, PO Box 939, Thatcher, AZ 85552.

Payment Policy: Payment due upon completion.

Vernon Batty or Authorized Employee Date

(Owner or Authorized Signature) Date 12/1/14

(Above quote is good for 60 Days. Total Payment due upon complete installation. We take VISA, Mastercard & Discover)

Bowman
CONSULTING

December 18, 2014

Tim McHugh
Safford Unified School District
734 11th Street
Safford, AZ 85546

Re: Safford Middle School Office HVAC Unit Replacement Evaluation

Mr. McHugh:

We are pleased to submit this Proposal to provide Engineering services to the Safford Unified School District. Upon verbal or written direction to proceed with the services, this Proposal will constitute a binding agreement (the "Agreement") between Bowman Consulting Group, Ltd. ("BCG") and Safford Unified School District (the "Client").

PROJECT UNDERSTANDING

It is BCG's understanding that the Safford Unified School District would like to replace the HVAC unit located over the storage room directly to the south of the Middle School Office. As required by law in order to replace this unit an analysis of the existing structure needs to be completed in order to determine if the structure is capable of supporting the proposed HVAC unit.

SCOPE OF SERVICES

Since there are no existing design plans for this building BCG will make appropriate assumptions based on visual inspection and industry practices. BCG will perform calculations in order to determine if the existing roof structure is capable of supporting the new HVAC unit based on Level 1 – Alterations from Chapter 6 Section 606 of the International Existing Building Code (IEBC). BCG will submit our findings in letter report format to the Client.

Level 1 – Alterations from Chapter 6 Section 606 of the IEBC allows for the load on the structure to be increased by up to 5%. In the event the replacement of the HVAC unit increases the load by greater than 5% BCG will evaluate the load based on Chapter 7 Section 707 of the IEBC. Chapter 7 of Section 707 of the IEBC allows for the stress of the structure to be increased by up to 5%. BCG will submit our findings in letter report format to the Client.

BCG will provide a Level 1 evaluation based on the IEBC for a lump sum fee of **$620.**

In the event the load is greater than a Level 1 evaluation will allow, BCG will perform a Level 2 evaluation based on the IEBC for an additional lump sum fee of **$1,085.**

305 E. 4th Street, Safford, Arizona 85546
p: 928.428.3898 | f: 928.428.7395
www.bowmanconsulting.com

We look forward to the opportunity to work with you on this project. Please indicate your acceptance of this proposal by sending us one copy of this proposal with the appropriate authorizing signature in the space below.

If you have any questions, please do not hesitate to contact us at 928-428-3898.

Respectfully submitted,
Bowman Consulting Group

Chad M. Crockett, PE
Branch Manager

Accepted this _____ day of _____, 2014.

By: _____

Title: _____
As Authorized Agent

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Valley Union**
BRG Project Number: **020522201-9999-004BRG** Cochise County
Project Description: **Repair well pump**
Consultant: n/a
Contractor: Well Service

Board approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost:		**$ 5,223**
Contingency ①		**$ 877**
Additional Cost:		.
Architecture / Engineering (A&E) Fees		$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		**$ -**
Total SFB Funded Project Cost:		**$ 6,100**
District or Local Funds:		$ -
SFB Board Approved Amount:		**$ 6,100**
Total Project Cost:		**$ 6,100**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 230
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: 1/23/2015 1:34:45 PM **Application ID:** 1777
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: Valley Union High School District
Superintendent: Ron Aguallo
Contact Person: Ron Aguallo
Contact Phone Number: 520-642-3492
Contact Email: ron.aguallo@vuhs.net
School Site: Valley Union High School
Buildings: 9999 School Wide

Application Title: Well repair

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.

Water well that supplies 1/2 the campus with potable water broke. The impellers on the bottom of the pump were damaged no longer able to pump water to the surface, also the pipe casings had a severe holes in them which also did not allow the water to reach the pressure tanks. These two issues caused the pump motor to overwork and ultimately give out. Recommended solutions is to replace impellers, casing, and pump motor. An estimate for these items is around $5,000.00

Project Category: Plumbing

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

Available Funding

Amount of Local funds planned for this project	$0.00

Please outline any associated insurance coverage.

District insurance does not cover damaged items that are due to wear and tear.

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

Ron Aguallo
Superintendent Printed Name

R Smith 1-23-15

Superintendent Signature | Date

ALL[illegible] WELL SERVICE

[illegible] W. [illegible] Rd., Elfrida, Arizona 85610

(5[illegible]0) 642-[illegible]775

Customer's Order No.	Phone No.	Date

Sold to Valley Union H. S.

Address North well

City

Sold By	Cash	C.O.D.	Charge	On Acct.	Mdse. Retd.	Paid Out	

Qty.	Description	Price	Amount
147'	2" galv. drop pipe		1085 00
	5 hp 50 gpm stainless pump		3438 00
	pull & install		500 00
			5023 00

All claims and returned goods MUST be accompanied by this bill.	Tax	199 16
Rec'd. By	Total	5222 16

Item# G3R

4324

Thank You!

STATE OF ARIZONA
SCHOOL FACILITIES BOARD

Meeting Date: February 4, 2015 **Agenda Item VII.b.**

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

Blue Ridge Unified
Ganado Unified (2 requests)
Mobile Elementary
Mohave Valley Elementary

Background – Blue Ridge Unified (Blue Ridge HS – partial roof replacement)
On May 7, 2014, the Board awarded Blue Ridge Unified $12,894 for the design and asbestos survey to develop construction documents on Buildings 1001 and 1005 at Blue Ridge High School (project number 090232102-9999-004BRG).

The roof surfaces and substrates are restorable and the district will receive an additional 20 year warranty on the existing roofs after the restoration. During construction only portions of the roof will be removed and the rest of the roof will be restored.

Initial Award 5/7/2014	
Design	$9,124
Asbestos Survey	$3,770
	$12,894
Supplemental funding requested:	
Construction Administration	$10,059
Estimated Construction Cost	$181,179
Abatement Oversight Cost	$4,938
Abatement (Not To Exceed)	$37,121
Contingency	$20,000
Total	$253,297
Total project cost:	$266,191

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation– Blue Ridge Unified (Blue Ridge HS – partial roof replacement)
Staff recommends that Blue Ridge Unified be awarded an additional $253,297 in Building Renewal Grant funding for the restoration of the roofs on Buildings 1001 and 1005 at Blue Ridge High School (project number 090232102-9999-004BRG). This includes $20,000 in

contingency that will only be used with SFB staff approval and brings the total project cost to $266,191.

Background – Ganado Unified (Ganado HS – roof replacement) Request 1 of 2
On February 6, 2013 the Board awarded Ganado Unified $2,920 for evaluation into the roof failure at Ganado High School. On May 5, 2014, the Board awarded an additional $59,401 for professional services (includes $5,000 contingency) to provide construction bid documents to replace/restore the roofing on Buildings 1001, 1002, 1003, 1004 and 1005 at Ganado High School (project number 010220204-9999-005BRG).

The Trust paid the district $196,293 for hail damage to single ply roofing that has exceeded its life (1987). The high school consists of 243,957 square feet; however, only a total of 80,000 square feet will be replaced with this project. Asbestos surveys and structural analysis have been completed.

The construction was estimated at $1,835,106 due to the significant roof damage/age that has allowed moisture into the insulation board which will required complete removal down to the structure deck. In addition, the remote location of the school and subsequent high per diem costs have a dramatic affect on the project cost.

Previous Awards	
Evaluation 2/6/2013	$2,920
Design 5/7/2014	$54,401
Contingency	$5,000
	$62,321
Supplemental funding requested:	
Construction Administration	$34,751
Estimated Construction Cost	$1,835,106
Contingency	$200,000
District funding (insurance claim)	($196,293)
Total	$1,873,564
Project cost (less insurance claim):	$1,935,885
Total project cost:	$2,132,178

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– Ganado Unified (Ganado HS – roof replacement)
Staff recommends that Ganado Unified be awarded an additional $1,873,564 in Building Renewal Grant funding for the replacement of the roofs on Buildings 1001, 1002, 1003, 1004 and 1005 at Ganado High School (project number 010220204-9999-005BRG). This includes $200,000 in contingency that will only be used with SFB staff approval. The district is contributing $196,293 from the insurance claim to the project. This brings the total project cost to $2,132,178.

Background – Ganado Unified (Ganado HS – stucco repair & reseal) Request 2 of 2
On February 6, 2013, the Board awarded Ganado Unified $7,000 for investigation into the stucco failure at Ganado High School. On May 5, 2014, the Board awarded the district an additional $33,374 for professional services (includes $3,000 contingency) to provide construction bid documents to repair/replace the exterior stucco (project number 010220204-9999-006BRG).

The stucco installation has failed twice. Upon further review of the investigation and completion of the construction documents, it was determined that the district did not provide the necessary maintenance to the stucco, that mold may be present behind the stucco, and that replacement of the stucco is required.

The district received cost estimates from the Architect totaling $1,534,000 for total stucco repair/replacement (not including the remediation of mold/mildew). Due to the insufficient preventive maintenance performed by the district on the existing stucco, staff recommends providing funding only for Task 3 Painting and Caulking of the new/replacement stucco (estimate $307,349).

The district will be submitting a grant to the Federal Impact Aid Program to supplement the remainder of this project to provide total correction of the stucco replacement and mold/mildew remediation.

Previous awards:	
Investigation 2/6/2013	$7,000
Design 5/7/2014	$30,374
Contingency	$3,000
	$40,374
Supplemental funding requested:	
Construction Admin. for Task 3	$12,530
Task 3 - Painting and Caulking of new stucco	$307,349
Contingency	$32,000
Total additional funding requested	$351,879
District contribution:	$1,226,651
SFB funding:	$392,253
Total project cost:	$1,618,904

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 – Ganado Unified (Ganado HS – stucco repair & reseal)
Staff recommends that Ganado Unified be awarded an additional $351,879 in Building Renewal Grant funding for the painting and caulking of the new stucco contingent upon funding from the Federal Impact Aid Program ($1,226,651) to replace the stucco on all buildings at Ganado High School (project number 010220204-9999-006BRG). This includes $32,000 in contingency that will only be used with SFB staff approval and brings the total project cost to $1,618,904.

Background – Mobile Elementary (Mobile ES – replace well pump)
On August 6, 2014, the Board awarded Mobile Elementary $1,000 in Building Renewal Grant funding for the repair of the wiring to the well pump at Mobile Elementary School (project number 070386101-9999-002BRG).

Due to the cause of the failure, the Trust videoed the well casing. Failure of the wiring to the well pump was caused both by age and the deterioration of the well casing. Staff asked the district to procure a consultant to determine if the existing well can be repaired or if a new well will have to be drilled.

The consultant has determined that the current well is beyond repair due both to age (at least 55 years old) and the falling water level in the local aquifer. The cost estimate for the new well is as follows:

Initial award 8/16/2014	$1,000
Supplemental funding requested:	
Engineering design and construction administration	$74,283
Estimate for new well and pump	$290,000
Contingency	$35,000
Total	$399,283
Total project cost	$400,283

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

The district meets this criteria including doing preventative work.

Staff Recommendation – Mobile Elementary (Mobile ES – replace well pump)
Staff recommends that Mobile Elementary be awarded an additional $399,283 in Building Renewal Grant funding for the engineering design, construction administration and construction costs for a new well system at Mobile Elementary School (project number 070386101-9999-002BRG). This includes $35,000 in contingency that will only be used with SFB staff approval.

Background – Mohave Valley Elementary (Mohave Valley ES – replace HVAC system)
On December 10, 2014, the Board awarded Mohave Valley Elementary $5,000 in Building Renewal Grant funding for the engineering design to replace two HVAC units on Building 1013 at Mohave Valley Elementary School (project number 080416101-1013-021BRG).

The district has received an estimated construction cost of $18,900 and construction administration of $2,500.

Initial award 12/10/2014	
Engineering design	$5,000
Supplemental funding requested:	
Estimated construction cost	$18,900
Construction administration	$2,500

Contingency	$4,000
Total additional funding requested:	$25,400
Total project cost:	$30,400

Criteria for Eligibility

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Mohave Valley Elementary (Mohave Valley ES – replace HVAC system)

Staff recommends that Mohave Valley Elementary be awarded an additional $25,400 in Building Renewal Grant funding for the replacement of the HVAC system on Building 1013 at Mohave Valley Elementary School (project number 080416101-1013-021BRG). This includes $4,000 in contingency that will only be used with SFB staff approval and brings the project total to $30,400.

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

1. Board approval of the staff recommendation that **Blue Ridge Unified** be awarded an additional $253,297 in Building Renewal Grant funding for the restoration of the roofs on Buildings 1001 and 1005 at Blue Ridge High School (project number 090232102-9999-004BRG). This includes $20,000 in contingency that will only be used with SFB staff approval and brings the total project cost to $266,191.

2. Board approval of the staff recommendation that **Ganado Unified** be awarded an additional $1,873,564 in Building Renewal Grant funding for the replacement of the roofs on Buildings 1001, 1002, 1003, 1004 and 1005 at Ganado High School (project number 010220204-9999-005BRG). This includes $200,000 in contingency that will only be used with SFB staff approval. The district is contributing $196,293 from the insurance claim to the project. This brings the total project cost to $2,132,178.

3. Board approval of the staff recommendation that **Ganado Unified** be awarded an additional $351,879 in Building Renewal Grant funding for the painting and caulking of the new stucco contingent upon funding from the Federal Impact Aid Program ($1,226,651) to replace the stucco on all buildings at Ganado High School (project number 010220204-9999-006BRG). This includes $32,000 in contingency that will only be used with SFB staff approval and brings the total project cost to $1,618,904.

4. Board approval of the staff recommendation that **Mobile Elementary** be awarded an additional $399,283 in Building Renewal Grant funding for the engineering design, construction administration and construction costs for a new well system at Mobile Elementary School (project number 070386101-9999-002BRG). This includes $35,000 in contingency that will only be used with SFB staff approval.

5. Board approval of the staff recommendation that **Mohave Valley Elementary** be awarded an additional $25,400 in Building Renewal Grant funding for the replacement of the HVAC system on Building 1013 at Mohave Valley Elementary School (project number 080416101-1013-021BRG). This includes $4,000 in contingency that will only be used with SFB staff approval and brings the project total to $30,400.

Attachments: Yes [X] No [ ]

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Blue Ridge Unified**
BRG Project Number: **090232102-9999-004BRG** Navajo County
Project Description: **Partial roof replacement on Bldgs. 1001 & 1005**
Consultant: HDA Architects (Paul Holland)
Contractor: TBD

Board Approval: 5/7/2014
Supplemental award: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost:		**$ 218,300**
Contingency ①		**$ 20,000**
Additional Cost:		
Architecture / Engineering (A&E) Fees		$ 19,183
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ 4,938
Testing & Inspection		$ 3,770
Total Additional Cost:		**$ 27,891**
Total SFB Funded Project Cost:		**$ 266,191**
District or Local Funds:		$ -
SFB Board Approved Amount:		**$ 266,191**
Total Project Cost:		**$ 266,191**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

HDA ARCHITECTS, LLC

PRINCIPALS' LICENSES

PETE BARKER
ARIZONA
CALIFORNIA

PAUL HOLLAND
ARIZONA
NEW MEXICO
NORTH CAROLINA

BRUCE R. SCOTT
ARIZONA

January 20, 2015

Jeff Akins
Blue Ridge Unified School District No. 32
1200 West White Mountain Boulevard
Lakeside, AZ 85929

Re: Opinion of Probable Construction Cost

Project: Re-Roofing at Blue Ridge High School
HDA Project No. 1427
SFB Project No. 090232102-9999-004-BRG

Dear Mr. Akins;

We have prepared an opinion of probable construction cost for the above referenced project. The results of the estimate were $181,178.13. Because this project will be dealing with existing conditions, we would also recommend that the SFB retain a contingency for this project.

HDA Architects LLC

Very Truly Yours

Paul D. Holland
Principal

PDH/pdh

Cc: Pat Cruse - SFB

Attachments: Spreadsheet Printout

Spray Foam Coating Café. Roof	16,425 SF	5 SF	$82,125.00
Seal Coating	22,567 SF	$2.50 SF	$56,417.50
Roof Accessoires	$5,000.00 LS	1 EA	$5,000.00
Extra sheets of plywood	$70.00 EA	20	$1,400.00
Sub Total Construction Cost			$144,942.50
Taxes, Bonds, Insurance,	$144,942.50 LS	20.00%	$28,988.50
Remote Site	$144,942.50 LS	5.00%	$7,247.13
Grand Total Construction Costs			$181,178.13

DOMINION

January 29, 2015

Mr. J.B. Akins
Director of Maintenance and Custodial Services
Blue Ridge Unified School District #32
1200 West White Mountain Boulevard
Lakeside, Arizona 85929

Re: Estimated Fee Proposal
Asbestos Abatement Oversight
Blue Ridge High School - Admin/Math & Cafeteria Roofs

Dear Mr. Akins :

Pursuant to your request, the following is an estimated fee proposal to perform asbestos abatement oversight, ambient air monitoring and closeout documentation at the above referenced school. As outlined by Sagebrush Restoration, the abatement contractor working directly for the Blue Ridge Unified School District (BRUSD), the roofs are scheduled to be replaced and will require abatement of the asbestos-containing material that was identified in the Dominion Report dated November 6, 2015. Dominion was instructed by the BRUSD to provide an estimate for these services only.

The estimated fee proposal, labor rates and sample costs are in accordance with Dominion's State Contract Fee Schedule (State of Arizona Contract #ADSPO12-033360). Based on the above referenced information, the scope of services and estimated fee proposal are as follows:

12 PCM Ambient Air Samples @ $24.00 per sample (Rush)	$ 288.00
37 Certified Asbestos Contractor Supervisor Labor Hours @ $65.00 per hour	$ 2,405.00
3 Project Manager Labor Hours @ $85.00 per hour	$ 255.00
400 Miles @ $0.45 per mile	$ 180.00
~~20 Certified Asbestos Contractor Supervisor Report Hours @ $65.00 per hour~~	~~$ 1,300.00~~
2 Night Hotel @ $125.00 per night	$ 250.00
3 Days Per Diem @ $40.00 per day	$ 120.00
4 Clerical Labor Hours @ 35.00 per hour	$ 140.00
ESTIMATED FEE PROPOSAL	**$4,938.00**

While the above referenced labor hours and samples have been estimated, the client will only be invoiced for the labor hours and samples needed to complete the project. If additional labor hours or samples are needed, Dominion will obtain verbal or written approval from the client, prior to exceeding the estimated fee proposal.

Thank you for allowing Dominion the opportunity to provide you with this fee proposal. If you should have any questions or need any additional information, please contact me at anytime.

Sincerely,

Dominion Environmental Consultants, Inc.

Basilio Marcos, AHERA Cert.
Vice President

DOMINION ENVIRONMENTAL CONSULTANTS, INC.
20045 North 19th Avenue, Building 7, Phoenix, Arizona 85027
Tel: (623) 516-1415 + Fax: (623) 516-0017
www.dominioncnv.net

Agreement
Between Contractor and Owner/Client

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

Bid No: JC15-110, 111 & 112

THIS AGREEMENT, entered into on Friday, January 23, 2015 by and between Sagebrush Restoration, LLC ("Sagebrush") and:

Client Information:
Jeff Akins
Blue Ridge Unified School District # 32
1200 W White Mountain Blvd.
Lakeside, AZ 85929
928-368-8266 (o) 928-368-4008 (f)

Project is identified as: Blue Ridge High School Re Roof
Project Location: 1200 W White Mountain Blvd. Lakeside, AZ 85929

THE PARTIES AGREE TO THE FOLLOWING:

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

   Sagebrush has reviewed the cafeteria and math/administration building roofs for the removal of asbestos containing material (ACM) as a part of the HDA Re-Roof Project. The following proposal is based on the removal of ACM pursuant to the CFR OSHA 1926.1101 Class II work. ACM is listed in the Dominion Environmental Limited Asbestos Survey Report No. 1319.03 dated November 6, 2014. All ACM will be disposed of at an EPA approved landfill that accepts asbestos waste.

   Sagebrush has been asked to provide best case and worst case scenarios for the ACM removal process using the HDA drawing files submitted to Sagebrush.

Cafeteria Roof Best Case:

Sagebrush will remove and dispose of ACM to include roof penetrations, exhaust vents, junction boxes, ductwork, mechanical, abandoned equipment and curbs to the existing roof deck called out in the HDA A202 roof plan. This work would not include any patching or below roof deck activities since they are not called out in the drawing. Water tight or dry in would be the responsibility of others.

BID PRICE: $5,032.00
TAX: To be applied to materials used
BID TOTAL: To Be Determined

The estimated time frame will be _2_ shifts.

Cafeteria Roof Worst Case:

Sagebrush will remove and dispose of approx.. 16,000 sf or roofing material to include roof penetrations, exhaust vents, junction boxes, ductwork, mechanical, abandoned equipment and curbs to the existing roof deck called out in the HDA A202 roof plan. This work would not include any patching or below roof deck activities since they are not called out in the drawing. Water tight or dry in would be the responsibility of others. Sagebrush has based the removal on approx. 2500 sf per shift.

BID PRICE: $32,089.00
TAX: To be applied to materials used
BID TOTAL: To Be Determined

The estimated time frame will be _6_ Shifts.

Math Building Roof:

Sagebrush will remove and dispose of ACM to include roof penetrations, exhaust vents, junction boxes, ductwork, mechanical, abandoned equipment and curbs to the existing roof deck called out in the HDA A202 roof plan. This work would not include any patching or below roof deck activities since they are not called out in the drawing. Water tight or dry in would be the responsibility of others. In the Dominion Limited Asbestos Survey only the Black Roof Caulking and Gray Duct Caulking is Positive for asbestos and therefore the roofing does not require abatement.

BID PRICE: $3,691.00
TAX: To be applied to materials used
BID TOTAL: To Be Determined

The estimated time frame will be _1_ shifts.

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

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

NOTES:

A. Compliance of all EPA and OSHA Regulations.
B. Per occurrence $5 million A+X rated insurance.
C. Arizona Contractors License – ROC 274599
D. Power and water provided by Owner.
E. 1GPA Contract # 14-154

3. Within 24 hours of project commencement, Owner/Consultant/Owner's Representative will identify in writing any property damage associated with project setup. Within 48 hours of project completion, Owner/Consultant/Owner's Representative will identify in writing any property damage associated with project completion. Sagebrush will not be responsible for any damages identified beyond that 48-hour time period. Consultant/Owner's Representative will be identified prior to commencement of project.

4. If post abatement monitoring is required, it will be performed by third party industrial hygienist contracted by the Owner. Sagebrush is only responsible for passing clearance protocols within the above identified contained work areas. Clearance protocol for asbestos abatement will be based on Phased Contract Microscopy (PCM) sampling technique. When PCM results are less than **.01 f/cc**, then the post abatement clearance criteria has been meet. If Transmission Electron Microscopy (TEM) is required then clearance criteria will be less than **70 s/mm2**

5. THe Owner agrees to pay Sagebrush the contract sum, based upon invoices for payment submitted by Sagebrush. **The owner shall make payments payable net 30 days.**

6. Invoices are due net 30 days from invoice date. Interest shall accrue on past due invoices at 1.5% per month no greater than 18% annually on all unpaid invoices.

7. Any alterations or deviations from the specified scope of work will be completed upon written consent from authorized personnel. This proposal shall become part of the contract document and by signing, you agree to all conditions listed within.

8. Bid price is good for 60 calendar days, at which time Owner and Sagebrush can confer with one another on current market price.

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

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

Jeff Cromer

Submitted by: Jeff Cromer
Owner Member

Accepted by:

Name Printed: _____

Title: _____

Date: _____

HDA

HDA ARCHITECTS, LLC

PAUL HOLLAND
ARIZONA
NEW MEXICO

PETE BARKER
ARIZONA

Revised Proposal for Architectural Services In connection with SFB Building Renewal Grant Funding

Date: January 22, 2014

District Name: Blue Ridge Unified School District #32
Superintendent Greg Schalow
Business Manager Brenda Thomas-Martinez, 928-368-6126. bthomas@brusd.k12.az.us
Contact Person: Jeff Akins, (928) 205-9843, jakins@brusd.k12.az.us

Project Site: Blue Ridge High School
1200 West White Mountain Boulevard
Lakeside, AZ 85929

Project Description: Reseal existing built up roofing

Probable Cost: To Be Determined

Architectural Services Design:	Prepare project specifications	$1,500
	Inital survey (348 Miles Round Trip)	$1,437
	Roofing consultant fees	$1,000
	Field survey existing conditions (348 Miles Round Trip)	$1,437
	Prepare Drawings	$1,750
	Structural Engineering	$2,000
	Architectural Services Design:	$9,124
Architectural Services Bid & CA:	Pre Bid Conference (348 Miles Round Trip)	$1,437
	Bid Opening (348 Miles Round Trip)	$1,437
	Progress Visit (348 Miles Round Trip)	$1,437
	Progress Visit (348 Mlles Round Trip)	$1,437
	Progress Visit (348 Miles Round Trip)	$1,437
	Progress Visit (348 Miles Round Trip)	$1,437
	Final Inspection (348 Miles Round Trip)	$1,437
	Proposed Architectural Fees	$10,059

Excluded Services: The following items are specifically not included as services provided: Asbestos testing, N.E.S.H.A.P.S. Applications, Mold Abatement,Permit Applications,Special Structural Inspection & Testing

HDA Architects LLC
Very Truly Yours

Paul D. Holland
Principal

PDH/pdh

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Ganado Unified**
BRG Project Number: **010220204-9999-005BRG** Apache County
Project Description: **Roof replacements on Bldgs. 1001 & 1003**
Architect of Record: SPS+ Architects (William Pittenger)
Contractor: TBD

Board Approval Date: 2/6/2013
Supplemental award: 5/7/2014
Supplemental award: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost (cost estimate provided by architect or contractor)		**$ 1,638,813**
Contingency ①		**$ 205,000**
Architecture / Engineering (A&E) Fees		$ 52,278
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ 34,751
Testing & Inspection		$ 5,043
Total Additional Cost:		**$ 92,072**
Total SFB Funded Project Cost:		**$ 1,935,885**
District Share (Local Funds):		$ 196,293
SFB Board Approved Amount:		**$ 1,935,885**
Total Project Cost:		**$ 2,132,178**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 230
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

January 26, 2015

SPS+ ARCHITECTS
Robert L Pian, AIA
William R Pittenger, RA, CSI
Mark A Davenport, AIA, LEED AP
Herb W Schneider, FAIA
Howell Lewis Shay, AIA

Lenny Allsbrooks
Superintendent
Ganado Unified School District
PO Box 1757
Ganado, AZ 86505

RE: GANADO HIGH SCHOOL ROOFING, STUCCO REPAIR AND PAINTING CONSTRUCTION ADMINISTRATION FEE PROPOSAL SPS+ ARCHITECTS PROJECT NO. 1409

Dear Mr. Allsbrooks,

Design services for the above referenced project are nearly complete, with final completion anticipated at the end of this week. These projects are going to the SFB Board for, request for funding. Anticipate bidding to take place in March of this year and notice to proceed May 1, 2015. Construction is scheduled for five months with final completion at the end of September 2015.

The following is SPS+ Architects fee for bidding and construction administration for the above referenced projects. For accounting purposes I have itemized the fee based upon tasks to complete the work and then have divided the cost into three categories, roofing, stucco and painting. Note that for each category the fee is based upon all projects proceeding at the same time and within the same time frame. There does exist an economy of scale for all projects to proceed at the same time since trip cost and time on site are shared among the three projects.

Bidding and Construction Basic Services

General scope of services is as follows as well as outlined in the attached fee spread sheet.

1. Provide for electronic bidding documents distribution to plan holder rooms and SPS+ Architects web site for bidder retrieval.
2. Provide addendums as required and upload to SPS+ Architects web site for bidder retrieval.
3. Provide for a pre-proposal meeting on site with all bidders. Distribute meeting minutes of pre-proposal meeting along with any addendum clarifications.
4. Bid and award to lowest qualified bidder, including checking qualification of bid and bidder. Make recommendations as appropriate for award of bid. Bids to be received at the office of SPS+ Architects.
5. Weekly on site meetings will be held to review construction progress and adherence to the contract documents. Field reports and meeting minutes will be prepared and distributed.

6. Shop drawing submittals from the General Contractor will be reviewed for conformance to the contract documents.
7. Request for information from the General Contractor will be reviewed and answered. Architect will prepare any clarifications as needed throughout the construction.
8. SPS+ will review and approve all pay applications for payment throughout the project.
9. Substantial and final completion along with detailed punch list will be prepared by SPS+ Architect.
10. Final closeout documents will be reviewed by SPS+ Architects.

Proposed Fee

SPS+ Architects proposed fee to complete the Bidding and Construction Administration is a lump sum fee of **$68,599.80** dollars. This fee includes all reimbursable and travel cost. See attached spread sheet that itemizes the fee in its entirety.

Exclusions

The following items have been excluded from the scope of work and or fee. Items below may be added as an additional service. Additional services are for items not specifically noted in the scope of work, Bidding and Construction Administration Basic Service.

1. Bidding documents beyond number of documents listed in the attached fee proposal.
2. Number of trips beyond that scheduled in the fee spread sheet.
3. Hazardous material analysis and abatement.
4. Forensic analysis
5. Design work for replacing existing structures
6. Mechanical, Plumbing, Electrical and Structural engineering design services are not included.
7. LEED design.
8. Post construction, building commissioning & warranty work.
9. Bid advertizing cost
10. Fire Marshal submittal and permit fees

Please review proposal and let me know if any modifications are needed. If this proposal meets your acceptance, please sign below and we will work with you to procure our services via State Contract or SAVE.

We look forward to making this a successful project for you and the Ganado Unified School District.

Sincerely
SPS+ ARCHITECTS LLP

William R. Pittenger RA CSI
Partner

ACCEPTANCE:
William Allsbrooks, Superintendent Ganado USD

_____ _____

Signature Date

SPS+ Architects LLP | 8681 East Via de Negocio | Scottsdale, AZ 85258-3330

P: 480.991.0800 | F: 480.991.2623 | www.spsplusarchitects.com

Ganado Roofing, Stucco & Painting Bidding and Construction Administration

Description	quantity	Unit	Rate	Subtotal	Roofing	Stucco	Painting	Total	Notes
Bidding									
Pre Bid on site meeting - Trip	1	Ea	1,078.00	1,078.80	366.79	356.00	356.00	1,078.80	
Lodging one night	1	Ea	95.00	95.00	32.30	31.35	31.35	95.00	
Partner Pre bid meeting on site	5	Hr	150.00	750.00	450.00	225.00	75.00	750.00	
Project Manager - field questions, addendumns & prior approvals	80	Hr	95.00	7,600.00	4,560.00	2,280.00	760.00	7,600.00	
Partner - field questions, addendumns & prior approvals	8	Hr	150.00	1,200.00	720.00	360.00	120.00	1,200.00	
SPS+ office administration	10	Hr	55.00	550.00	330.00	165.00	55.00	550.00	
Printing 2 sets total, drawings & specs (allowance)	2	Ea	75.00	150.00	90.00	45.00	15.00	150.00	
					6,549.09	**3,462.35**	**1,412.35**	**11,423.80**	
Construction Administration - 5 months May 2015 - September 2015									
On site meeting and review of new construction - Partner	120	Hr	150.00	18,000.00	10,800.00	5,400.00	1,800.00	18,000.00	20 trips @ 6hrs on site for Partner
Travel to site, weekly - Partner	20	Ea	1,078.80	21,576.00	7,335.84	7,120.08	7,120.08	21,576.00	20 trips total
Overnight lodging	20	Ea	95.00	1,900.00	646.00	627.00	627.00	1,900.00	20 trips total
Weekly submittal review, RFI's & Coorespondence meeting minutes, punch list & close outs	90	Hr	150.00	13,500.00	8,100.00	4,050.00	1,350.00	13,500.00	20 weeks @ 4.5 hrs per week
Office administration	40	Hr	55.00	2,200.00	1,320.00	660.00	220.00	2,200.00	
					28,201.84	**17,857.08**	**11,117.08**	**57,176.00**	
					34,750.93	**21,319.43**	**12,529.43**	**68,599.80**	
Total Architectural CA Fee for Roofing*									**34,750.93**
Total Architectural CA Fee for Stucco *									**21,319.43**
Total Architectural CA Fee for Painting*									**12,529.43**
Total Combined Architectural CA Fee									**68,599.80**

* Fee is representative of both Roofing & Stucco and Painting CA proceeding together and along the 5 month time frame. Deletion of any portion will have an increase in fee to the other fees.

Trip Cost one person						
Travel round trip	520	Mi	0.565	293.80		
Travel time R/T	10	Hr	75.0	750.00		One half the hourly rate
Meals	1	LS	35.00	35.00		
					1,078.80	

TASK 1: GANADO HIGH SCHOOL ROOF REPLACEMENT COST ESTIMATE

1/22/2015
SPS #1409

Note: Add Bid 1A Modular Roofing Replace and Add Bid 1B Sealtite Flex Conduit are District funded and excluded from this estimate

SPS ARCHITECTS

ROOFING - MEMBRANE REPAIR

ROOF NO.	SQ FT	LUMP SUM	TOTAL COST	NOTES
4		$1,200	**$1,200.00**	30 Lineal FT membrane cuts to be repaired

ROOFING - DEMO TO DECK - INCLUDES BLOCKING

ROOF NO.	NEW SQ FT	COST/SF	SUBTOTAL	TOTAL COST	NOTES
1	2,032	$2	$4,064		
3	5,758	$2	$11,516		
5	635	$2	$1,270		not in WRECORP report
6	7,396	$2	$14,792		
8	731	$2	$1,462		not in WRECORP report
9E	8,661	$2	$17,322		
9W	6,711	$2	$13,422		
10	10,896	$2	$21,792		
11	7,820	$2	$15,640		
13	7,661	$2	$15,322		
14	1,820	$2	$3,640		
15	1,175	$2	$2,350		not in WRECORP report
16	10,486	$2	$20,972		
17	7,966	$2	$15,932		
19	772	$2	$1,544		not in WRECORP report
SUBTOTAL	80,520		$161,040	**$161,040.00**	

ROOFING - 2" RIGID INSULATION-MATERIAL & INSTALL

ROOF NO.	NEW SQ FT	COST/SF	SUBTOTAL	TOTAL COST	NOTES
1	2,032	$2	$4,064		
3	5,758	$2	$11,516		
5	635	$2	$1,270		not in WRECORP report
6	7,396	$2	$14,792		
8	731	$2	$1,462		not in WRECORP report
9E	8,661	$2	$17,322		
9W	6,711	$2	$13,422		
10	10,896	$2	$21,792		
11	7,820	$2	$15,640		
13	7,661	$2	$15,322		
14	1,820	$2	$3,640		
15	1,175	$2	$2,350		not in WRECORP report
16	10,486	$2	$20,972		
17	7,966	$2	$15,932		
19	772	$2	$1,544		not in WRECORP report
SUBTOTAL	80,520		$161,040	**$161,040.00**	

ROOFING - DERBIGUM XPS-ENTIRE SYSTEM, INCL FLASHING, NOT BLOCKING

ROOF NO.	NEW SQ FT	COST/SF	SUBTOTAL	TOTAL COST	NOTES
1	2,032	$3.50	$7,112		
3	5,758	$3.50	$20,153		
5	635	$3.50	$2,223		not in WRECORP report
6	7,396	$3.50	$25,886		
8	731	$3.50	$2,559		not in WRECORP report
9E	8,661	$3.50	$30,314		
9W	6,711	$3.50	$23,489		
10	10,896	$3.50	$38,136		
11	7,820	$3.50	$27,370		
13	7,661	$3.50	$26,814		
14	1,820	$3.50	$6,370		
15	1,175	$3.50	$4,113		not in WRECORP report
16	10,486	$3.50	$36,701		
17	7,966	$3.50	$27,881		
19	772	$3.50	$2,702		not in WRECORP report
SUBTOTAL	80,520		$281,820	**$281,820.00**	

ROOFING - TAPERED INSULATION, MATERIAL & LABOR

ROOF NO.	NEW SQ FT	LUMP SUM	TOTAL COST	NOTES
MOST*		$520,000	**$520,000.00**	*Bld Not Inc'd 2, 4, 5, 7, 8

ROOFING - CARPENTRY FOR ROOF DECK BLOCKING

ROOF NO.	BF	MBF	COST/MBF	COST	TOTAL COST	NOTES
		1000				
1	272	0.272	$695	$189		(2) 2X6
3	540	0.54	$695	$375		(2) 2X6
5	165	0.165	$695	$115		(2) 2X6
6	597	0.597	$695	$415		(2) 2X6
8	249	0.249	$695	$173		(2) 2X6
9E	1140	1.14	$695	$792		(2) 2X6
9W	1215	1.215	$695	$844		(2) 2X6
10	869	0.869	$695	$604		(2) 2X6
11	938	0.938	$695	$652		(2) 2X6
13	698	0.698	$695	$485		(2) 2X6
14	477	0.477	$695	$332		(2) 2X6
15	308	0.308	$695	$214		(2) 2X6
16	617	0.617	$695	$429		(2) 2X6
17	573	0.573	$695	$398		(2) 2X6
19	276	0.276	$695	$192		(2) 2X6
SUBTOTAL					**$6,209.13**	

ROOFING - CARPENTRY FOR ROOF DECK STUB WALL

ROOF NO.	COST/MBF	INSUL	BF/EA	TOTAL BF	TOTAL COST	NOTES
	2150. NO-2X					
3	180	4	0.25	45	$49	
8	83	7	0.44	37	$80	
9E	380	7	0.44	167	$359	
9W	405	7	0.44	178	$383	
10	290	5.5	0.34	84	$181	
11	313	7.5	0.47	147	$316	
13	233	7.75	0.48	112	$241	
15	103	3	0.19	20	$43	
16	206	5.75	0.36	74	$159	
17	191	7	0.44	84	$181	
19	92	3	0.19	17	$37	
SUBTOTAL					**$2,027.45**	

ROOFING - EXPANSION JOINTS

ROOF NO.	LF	COST/LF	SUBTOTAL	TOTAL COST	NOTES
1 East Side	47	$18.00	$846		
4 East Side	70	$18.00	$1,260		
17 East Side	112	$18.00	$2,016		2" EJ
SUBTOTAL	182		$4,122.00	**$4,122.00**	

ROOFING - OVERALL TOTAL - NO ADDITIONS TO REPORT — **$1,139,486.03**

ADDITIONS AND UPGRADES TO WRECORP REPORT SCOPE

COPING - KYNAR 500, 12" INSTALLED, DOES NOT INCLUDE BLOCKING (2X RIPPED)

ROOF NO.	LF	COST/LF	SUBTOTAL	TOTAL COST
1	133	$10	$1,330	
2	0	$10	$0	
3	335	$10	$3,350	
4	0	$10	$0	
5	43	$10	$430	
6	319	$10	$3,190	
7	64	$10	$640	
8	100	$10	$1,000	
9E	549	$10	$5,490	
9W	407	$10	$4,070	
10	368	$10	$3,680	
11	412	$10	$4,120	
13	163	$10	$1,630	
15	117	$10	$1,170	
16	411	$10	$4,110	
17	258	$10	$2,580	
Mtl Roof	837	$10	$8,370	
19	70	$10	$700	
SUBTOTAL	4586		$45,860	**$45,860.00**

ROOFING - OVERFLOW ROOF DRAINS

DRAIN NO.		COST/DR	TOTAL COST	TOTAL COST	
46		$400	$18,400		Standpipe drains not per current code - replace all
				$18,400.00	

ROOFING - PIPE SUPPORT BLOCKING

UNIT NO.		COST/UNIT	TOTAL COST	TOTAL COST	NOTES
1000	Field Verify Amount	$30	$30,000		Existing not clamped down, move when windy
				$30,000.00	

ROOFING - NEW HEAT CABLE AT ROOF DRAINS

UNIT NO.		COST/UNIT	TOTAL COST	TOTAL COST	NOTES
50	Field Verify Amount	$750	$37,500		District noted roof drains ice up and dam
50	Field Verify Amount	$250	$12,500		Unistrut stand at j-box
				$50,000.00	

ROOFING - REMOVE SKYLIGHTS

UNIT NO.		COST/UNIT	TOTAL COST	TOTAL COST	NOTES
24	Lockers	$850	$20,400		Plexiglass is broken through
12	Gym	$650	$7,800		Old skylights Remove and patch deck
				$28,200.00	

ROOFING - STEEL ANGLE SUPPORT AT NEW ROOF DRAINS

UNIT NO.		COST/UNIT	TOTAL COST	TOTAL COST	NOTES
46		$1,000	$46,000		Code mandated support
				$46,000.00	

ROOFING - NEW STEEL ROOF HATCHES 30" X 36"

UNIT NO.		COST/UNIT	TOTAL COST	TOTAL COST	NOTES
5		$892	$4,460		Old units broken & unsafe
				$4,460.00	

ROOFING - NEW STEEL PARAPET LADDERS

UNIT NO.		COST/UNIT	TOTAL COST	TOTAL COST	NOTES
10	VLF	$91	$910		Roof 15 Access
14	VLF	$91	$1,274		Roof 19 Access
				$910.00	

ROOFING - NEW 3/4" TYPE M COPPER CONDENSATE LINES

UNIT NO.		COST/UNIT	TOTAL COST	TOTAL COST	NOTES
1060	LF	$13.56	$14,374		PVC pipes failing
				$14,373.60	

ROOFING - WATER TEST METAL ROOFING TO REMAIN

UNIT NO.		COST/UNIT	TOTAL COST	TOTAL COST	NOTES
1	LS	$5,000.00	$5,000		Verify No Leaks
				$5,000.00	

ROOFING - OVERALL TOTAL WITH ADDITIONS TO REPORT		$1,382,689.63

ADDITIONAL COSTS		
GENERAL REQUIREMENTS - OVERHEAD 5%, PROFIT 5%	10%	$138,268.96
SUBTOTAL		$1,520,958.59
GENERAL CONDITIONS	10%	$138,268.96
SUBTOTAL		**$1,659,227.56**
STATE TAX	6%	$92,916.74
NAVAJO TAX	5%	$82,961.38
ROOFING - OVERALL TOTAL (Incl'd Roof Areas 5, 8, 15, 19)		**$1,835,105.68**

SUMMARY COMPARISON

ROOF NO.	WRE SQ FT	WRE COST (wre sf)	SPS+ COST (wre sf)	SPS+ SQ FT	ADD/DEDUCT SF (add/deducts to wre sf)	ADD UPGRADES
1	2,089	$35,513	$39,219	2,032	-$1,070.13	$8,145.66
3	6,181	$105,077	$116,043	5,758	-$7,941.47	$23,082.04
4	0	$1,200	$1,200	0	0	0
5	0	$0	$0	635	$11,921.59	$2,545.52
6	7,563	$128,571	$141,989	7,396	-$3,135.28	$29,648.28
8	0	$0	$0	731	$13,723.91	$2,930.35
9E	8,184	$139,128	$153,648	8,661	$8,385.66	$34,719.27
9W	8,184	$139,128	$153,648	6,711	-$27,654.34	$26,902.33
10	10,710	$182,070	$201,071	10,896	$3,491.99	$43,678.70
11	4,984	$84,728	$93,570	7,820	$53,243.52	$31,347.97
13	7,345	$124,865	$137,896	7,661	$5,932.64	$30,710.58
14	1,843	$31,331	$34,601	1,820	-$431.81	$7,295.82
15	0	$0	$0	1,175	$22,059.64	$4,710.21
16	9,692	$164,764	$181,959	10,486	$14,906.68	$42,035.14
17	5,468	$92,956	$102,657	7,966	$46,897.86	$31,933.23
19	0	$0	$0	772	$14,493.65	$3,094.71
SUBTOTAL	72,243	$1,229,331.00	$1,357,501.74	80,520	$154,824.12	$322,779.82

Base cost including GC Markups and Taxes (add scope excluded): $1,512,325.86

SPS+ Cost per WRE SF	$1,357,501.74
Corrected SF per SPS+	$154,824.12
Add Upgrades	$322,779.82
Total with Upgrades	**$1,835,105.68**

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Ganado Unified**
BRG Project Number: **010220204-9999-006BRG** Apache County
Project Description: **Stucco repair and reseal of Bldgs. 1001, 1003 and 1004**
Architect of Record: SPS+ Architects (William Pittenger)
Contractor: TBD

Board Approval Date: 2/6/2013
Supplemental award: 5/7/2014
Supplemental award: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost (cost estimate provided by architect or contractor)		**$ 307,349**
Contingency ①		**$ 35,000**
Architecture / Engineering (A&E) Fees		$ 33,466
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ 12,530
Testing & Inspection		$ 3,908
Total Additional Cost:		**$ 49,904**
Total SFB Funded Project Cost:		**$ 392,253**
District Share (Local Funds):		$ 1,226,651
SFB Board Approved Amount:		**$ 392,253**
Total Project Cost:		**$ 1,618,904**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 230
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

SPS+ ARCHITECTS
Robert L Pian, AIA
William R Pittenger, RA, CSI
Mark A Davenport, AIA, LEED AP
Herb W Schneider, FAIA
Howell Lewis Shay, AIA

January 26, 2015

Lenny Allsbrooks
Superintendent
Ganado Unified School District
PO Box 1757
Ganado, AZ 86505

RE: GANADO HIGH SCHOOL ROOFING, STUCCO REPAIR AND PAINTING CONSTRUCTION ADMINISTRATION FEE PROPOSAL SPS+ ARCHITECTS PROJECT NO. 1409

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Bidding and Construction Basic Services

General scope of services is as follows as well as outlined in the attached fee spread sheet.

1. Provide for electronic bidding documents distribution to plan holder rooms and SPS+ Architects web site for bidder retrieval.
2. Provide addendums as required and upload to SPS+ Architects web site for bidder retrieval.
3. Provide for a pre-proposal meeting on site with all bidders. Distribute meeting minutes of pre-proposal meeting along with any addendum clarifications.
4. Bid and award to lowest qualified bidder, including checking qualification of bid and bidder. Make recommendations as appropriate for award of bid. Bids to be received at the office of SPS+ Architects.
5. Weekly on site meetings will be held to review construction progress and adherence to the contract documents. Field reports and meeting minutes will be prepared and distributed.

6. Shop drawing submittals from the General Contractor will be reviewed for conformance to the contract documents.
7. Request for information from the General Contractor will be reviewed and answered. Architect will prepare any clarifications as needed throughout the construction.
8. SPS+ will review and approve all pay applications for payment throughout the project.
9. Substantial and final completion along with detailed punch list will be prepared by SPS+ Architect.
10. Final closeout documents will be reviewed by SPS+ Architects.

Proposed Fee

SPS+ Architects proposed fee to complete the Bidding and Construction Administration is a lump sum fee of **$68,599.80** dollars. This fee includes all reimbursable and travel cost. See attached spread sheet that itemizes the fee in its entirety.

Exclusions

The following items have been excluded from the scope of work and or fee. Items below may be added as an additional service. Additional services are for items not specifically noted in the scope of work, Bidding and Construction Administration Basic Service.

1. Bidding documents beyond number of documents listed in the attached fee proposal.
2. Number of trips beyond that scheduled in the fee spread sheet.
3. Hazardous material analysis and abatement.
4. Forensic analysis
5. Design work for replacing existing structures
6. Mechanical, Plumbing, Electrical and Structural engineering design services are not included.
7. LEED design.
8. Post construction, building commissioning & warranty work.
9. Bid advertizing cost
10. Fire Marshal submittal and permit fees

Please review proposal and let me know if any modifications are needed. If this proposal meets your acceptance, please sign below and we will work with you to procure our services via State Contract or SAVE.

We look forward to making this a successful project for you and the Ganado Unified School District.

Sincerely
SPS+ ARCHITECTS LLP

William R. Pittenger RA CSI
Partner

ACCEPTANCE:
William Allsbrooks, Superintendent Ganado USD

_____ _____

Signature Date

Ganado Roofing, Stucco & Painting Bidding and Construction Administration

Description	quantity	Unit	Rate	Subtotal	Roofing	Stucco	Painting	Total	Notes
Bidding									
Pre Bid on site meeting - Trip	1	Ea	1,078.00	1,078.80	366.79	356.00	356.00	1,078.80	
Lodging one night	1	Ea	95.00	95.00	32.30	31.35	31.35	95.00	
Partner Pre bid meeting on site	5	Hr	150.00	750.00	450.00	225.00	75.00	750.00	
Project Manager - field questions, addendumns & prior approvals	80	Hr	95.00	7,600.00	4,560.00	2,280.00	760.00	7,600.00	
Partner - field questions, addendumns & prior approvals	8	Hr	150.00	1,200.00	720.00	360.00	120.00	1,200.00	
SPS+ office administration	10	Hr	55.00	550.00	330.00	165.00	55.00	550.00	
Printing 2 sets total, drawings & specs (allowance)	2	Ea	75.00	150.00	90.00	45.00	15.00	150.00	
					6,549.09	**3,462.35**	**1,412.35**	**11,423.80**	
Construction Administration - 5 months May 2015 - September 2015									
On site meeting and review of new construction - Partner	120	Hr	150.00	18,000.00	10,800.00	5,400.00	1,800.00	18,000.00	20 trips @ 6hrs on site for Partner
Travel to site, weekly - Partner	20	Ea	1,078.80	21,576.00	7,335.84	7,120.08	7,120.08	21,576.00	20 trips total
Overnight lodging	20	Ea	95.00	1,900.00	646.00	627.00	627.00	1,900.00	20 trips total
Weekly submittal review, RFI's & Coorespondence meeting minutes, punch list & close outs	90	Hr	150.00	13,500.00	8,100.00	4,050.00	1,350.00	13,500.00	20 weeks @ 4.5 hrs per week
Office administration	40	Hr	55.00	2,200.00	1,320.00	660.00	220.00	2,200.00	
					28,201.84	**17,857.08**	**11,117.08**	**57,176.00**	
					34,750.93	**21,319.43**	**12,529.43**	**68,599.80**	
Total Architectural CA Fee for Roofing*									**34,750.93**
Total Architectural CA Fee for Stucco *									**21,319.43**
Total Architectural CA Fee for Painting*									**12,529.43**
Total Combined Architectural CA Fee									**68,599.80**

* Fee is representative of both Roofing & Stucco and Painting CA proceeding together and along the 5 month time frame. Deletion of any portion will have an increase in fee to the other fees.

Trip Cost one person						
Travel round trip	520	Mi	0.565	293.80		
Travel time R/T	10	Hr	75.0	750.00		One half the hourly rate
Meals	1	LS	35.00	35.00		
					1,078.80	

Task 3 - Painting and Caulking

Project No. 1409

Estimated By:

William R. Pittenger/ Stacy White

Preparation Date: 1/21/2015

Effective Date of Pricing: 8/1/2014

Est Construction Time: 120 Days

	Quantity	Unit Cost	Total Cost
1409 Task 3 - Painting and Caulking			
1 BUILDING			$218,727
SUBTOTAL			*$218,727*
Contractor's Gen Requirements	10.0%		$21,873
Contractor's Overhead	5.0%		$12,030
Contractor's Profit	10.0%		$25,263
SUBTOTAL			*$277,893*
Navajo & State Tax	10.6%		$29,457
Task 3 - Painting and Caulking			**$307,349**

	Quantity	Unit Cost	Total Cost
1409 Task 3 - Painting and Caulking			
1 BUILDING			$218,727
SUBTOTAL			*$218,727*
Contractor's Gen Requirements	10.0%		$21,873
Contractor's Overhead	5.0%		$12,030
Contractor's Profit	10.0%		$25,263
SUBTOTAL			*$277,893*
Navajo & State Tax	10.6%		$29,457
Task 3 - Painting and Caulking			**$307,349**

		Quantity		Unit Cost	Total Cost
1409 Task 3 - Painting and Caulking					
1 BUILDING					
015423700200	Scaffolding, steel tubular, regular, labor only to erect & dismantle, bldg ext, wall face, 6'-4" x 5' frames, 6 to 12 stories, excl. planks	30.00	CSF	$284.36	$8,531
015626500100	Temporary Fencing, chain link, 6' high, 11 ga	500.00	LF	$6.29	$3,146
070505100020	Selective demolition, thermal and moisture protection, caulking / sealant, to 1" x 1" joint	12,406.00	LF	$0.76	$9,399
079213203655	Joint sealants, caulking and sealants, polyurethane, bulk, in place, 1 or 2 component, 1/2" x 1/4"	12,406.00	LF	$2.30	$28,591
099103300090	Surface Preparation, exterior, doors, per side, wire brush, metal, detail, excl. frames or trim	1,071.00	SF	$0.92	$985
099103300520	Surface Preparation, exterior, windows, per side, power wash, based on 2500 lb operating pressure, 1-2 lite, excl. trim	2,490.00	SF	$0.12	$304
099103300790	Surface Preparation, exterior, siding, stucco, pressure wash, based on 2500 lb operating pressure	75,206.00	SF	$0.17	$13,141
099103301310	Surface Preparation, exterior, misc., wire brush, metal, pedestrian gate	300.00	SF	$4.78	$1,435
099113420130	Paints & Coatings, misc. exterior, railings, decorative wood, w/cap & balusters, newels & spindles @ 12" O.C.,brushwork, stain, sand, seal & varnish, first coat	75.00	LF	$6.14	$461
099113420350	Paints & Coatings, misc. ext., trellis/lattice, spray, latex, per side, each coat, 2" x 2" @ 3" O.C., w/2" x 8" supports	300.00	SF	$1.11	$332
099113700180	Paints & Coatings, ext. doors, flush, both sides, roll & brush, 2 coats, exterior latex, incl. frame & trim	51.00	EA	$79.99	$4,079
099113700560	Paints & Coatings, ext. windows, per ext. side, 12 lite, brushwork, 2 coats, exterior latex, based on 15 SF	166.00	EA	$82.03	$13,616
099113800220	Paints & Coatings, trim, ext., gutters, conduit, metal, zinc chromate paint, first coat, brushwork, 5"	300.00	LF	$2.18	$654
099113900450	Paints & Coatings, walls, stucco, first coat spray	75,276.00	SF	$0.49	$36,885
099113900460	Paints & Coatings, walls, stucco, second coat, latex, spray	75,276.00	SF	$0.43	$32,369
099113900610	Paints & Coatings, walls, stucco, primer, spray	75,276.00	SF	$0.59	$44,413
Task00061	Painting 3 coats stucco soffits, trellis & columns	13,500.00		$1.51	$20,385
SUBTOTAL BUILDING					**$218,727**
SUBTOTAL					***$218,727***
Contractor's Gen Requirements		10.0%			$21,873
Contractor's Overhead		5.0%			$12,030
Contractor's Profit		10.0%			$25,263
SUBTOTAL					***$277,893***
Navajo & State Tax		10.6%			$29,457
Task 3 - Painting and Caulking					**$307,349**

CostLink Report **Page Number**

Task 2 - Stucco at Gym & Stucco and Window R & R Above Roof

Project No. 1400

Estimated By:

William R. Pittenger/ Stacy White

Preparation Date: 1/21/2015

Effective Date of Pricing: 8/1/2014

Est Construction Time: 120 Days

Level 3 Direct Cost Summary

	Quantity	Unit Cost	Total Cost
1400 Task 2 - Stucco at Gym & Stucco and Window R & R Above Roof			
1 BUILDING			$429,492
SUBTOTAL			*$429,492*
Contractor's Gen Requirements	10.0%		$42,949
Contractor's Overhead	5.0%		$23,622
Contractor's Profit	10.0%		$49,606
SUBTOTAL			*$545,669*
Navajo and State Tax	10.6%		$57,841
Task 2 - Stucco at Gym & Stucco and Window R &			**$603,510**

		Quantity		Unit Cost	Total Cost
1400 Task 2 - Stucco at Gym & Stucco and Window R & R Above Roof					
1 BUILDING					
015423700200	Scaffolding, steel tubular, regular, labor only to erect & dismantle, bldg ext, wall face, 6'-4" x 5' frames, 6 to 12 stories, excl. planks	30.00	CSF	$244.23	$7,327
015626500100	Temporary Fencing, chain link, 6' high, 11 ga	500.00	LF	$5.40	$2,702
024119180500	Selective demolition, disposal only, urban buildings with salvage value allowed, wood frame, includes loading and 5 mile haul to dump	100.00	CY	$20.00	$2,000
024119230800	Rubbish handling, dumpster, 30 C.Y., 10 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	8.00	WK	$711.98	$5,696
024119252000	Selective demolition, saw cutting, stucco , per inch of depth, w/hand held saw	2,857.00	LF	$3.82	$10,909
024210200930	Deconstruction of exterior finishes, plaster, second floor, up to 2 stories, excludes handling, packaging or disposal costs	2,753.00	SF	$1.32	$3,634
070505100220	Selective demolition, thermal and moisture protection, flashing, sheet metal	800.00	SF	$1.35	$1,077
070505100870	Selective demolition, thermal and moisture protection, insulation removal, rigid board	4,000.00	BF	$0.11	$453
070505105025	Selective demolition, thermal and moisture protection, siding, exterior insulation finish system, remove	9,000.00	SF	$3.25	$29,282
072413100095	Exterior Insulation Finish System, field applied, 1" EPS insulation	2,753.00	SF	$7.51	$20,671
072413100105	Exterior Insulation Finish System, field applied, 2" EPS insulation	11,600.00	SF	$7.74	$89,743
076510109320	Flexible Flashing, steel sheets, galvanized, 20 gauge @ sills	1,202.00	SF	$4.73	$5,681
076510109600	Flexible Flashing, zinc and copper alloy (brass), .020" thick	1,000.00	SF	$11.09	$11,085
076523108200	Flexible Flashing, rubber, butyl, 1/16" thick @ window	2,635.00	SF	$4.08	$10,758
079210100070	Caulking & Sealants, backer rod, polyethylene, 3/4" dia	46.00	CLF	$110.33	$5,075
080505200620	Window demolition, glass, maximum	50.00	SF	$2.60	$130
080505205080	Window demolition, window, remove and reset, maximum	45.00	EA	$1,132.00	$50,940
088130100400	Insulating Glass, double glazed, clear, 1/4" float, for 1" thick unit, 30-70 SF	50.00	SF	$28.09	$1,405
090505303020	Walls and partitions demolition, plaster, lime or horsehair, on metal lath	11,600.00	SF	$1.17	$13,519
Task00011	Stucco patching and repairs.	4,514.00	SF	$2.25	$10,157
Task00035	EIFS-For higher than one story- Section 07 24 13.10-0440 - Add 25% to Labor Cost	5,000.00	SF	$1.00	$5,000
Task00041	Dryvit TAFS coating system	26,559.00	SF	$5.00	$132,795
Task00042	Remove glass stops, clean and prep area and reinstall w/ new fasteners and neoprene washers	3,782.00	LF	$2.50	$9,455
SUBTOTAL BUILDING					**$429,492**
SUBTOTAL					***$429,492***
Contractor's Gen Requirements		10.0%			$42,949
Contractor's Overhead		5.0%			$23,622
Contractor's Profit		10.0%			$49,606

	Quantity	Unit Cost	Total Cost
SUBTOTAL			***$545,669***
Navajo and State Tax	10.6%		$57,841
Task 2 - Stucco at Gym & Stucco and Window R & R			**$603,510**

CostLink Report **Page Number**

Task 4 Stucco Repair and Coating - Window R & R

Project No. 1409B

Estimated By:

William R. Pittenger/ Stacy White

Preparation Date: 1/21/2015

Effective Date of Pricing: 8/1/2014

Est Construction Time: 120 Days

	Quantity	Unit Cost	Total Cost
1409B Task 4 Stucco Repair and Coating - Window R & R			
1 BUILDING			$443,131
SUBTOTAL			*$443,131*
Contractor's Gen Requirements	10.0%		$44,313
Contractor's Overhead	5.0%		$24,372
Contractor's Profit	10.0%		$51,182
SUBTOTAL			*$562,998*
Navajo and State Tax	10.6%		$59,678
Task 4 Stucco Repair and Coating - Window R & R			**$622,675**

		Quantity		Unit Cost	Total Cost
1409B Task 4 Stucco Repair and Coating - Window R & R					
1 BUILDING					
015423700200	Scaffolding, steel tubular, regular, labor only to erect & dismantle, bldg ext, wall face, 6'-4" x 5' frames, 6 to 12 stories, excl. planks	30.00	CSF	$248.28	$7,448
015626500100	Temporary Fencing, chain link, 6' high, 11 ga	500.00	LF	$5.49	$2,746
024119180500	Selective demolition, disposal only, urban buildings with salvage value allowed, wood frame, includes loading and 5 mile haul to dump	100.00	CY	$20.33	$2,033
024119230800	Rubbish handling, dumpster, 30 C.Y., 10 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	8.00	WK	$723.79	$5,790
024119252000	Selective demolition, saw cutting, stucco , per inch of depth, w/hand held saw	3,707.00	LF	$3.88	$14,389
024210200930	Deconstruction of exterior finishes, plaster, second floor, up to 2 stories, excludes handling, packaging or disposal costs	4,417.00	SF	$1.32	$5,830
072413100095	Exterior Insulation Finish System, field applied, 1" EPS insulation	4,417.00	SF	$7.63	$33,716
076510109320	Flexible Flashing, steel sheets, galvanized, 20 gauge @ sills	1,433.00	SF	$4.80	$6,885
076523108200	Flexible Flashing, rubber, butyl, 1/16" thick @ window & doors	3,695.00	SF	$4.15	$15,336
079210100070	Caulking & Sealants, backer rod, polyethylene, 3/4" dia	37.00	CLF	$112.16	$4,150
080505200620	Window demolition, glass, maximum	70.00	SF	$2.65	$185
080505205080	Window demolition, window, remove and reset, maximum	98.00	EA	$1,132.00	$110,936
088130100400	Insulating Glass, double glazed, clear, 1/4" float, for 1" thick unit, 30-70 SF	70.00	SF	$28.56	$1,999
Task00011	Stucco patching and repairs.	3,939.00	SF	$2.25	$8,863
Task00041	Dryvit TAFS coating system	41,631.00	SF	$5.00	$208,155
Task00042	Remove glass stops, clean and prep area and reinstall w/ new fasteners and neoprene washers	4,570.00	LF	$2.50	$11,425
Task00047	Remove and reset door and frame	772.00	LF	$4.20	$3,242
SUBTOTAL BUILDING					**$443,131**
SUBTOTAL					***$443,131***
Contractor's Gen Requirements		10.0%			$44,313
Contractor's Overhead		5.0%			$24,372
Contractor's Profit		10.0%			$51,182
SUBTOTAL					***$562,998***
Navajo and State Tax		10.6%			$59,678
Task 4 Stucco Repair and Coating - Window R & R					**$622,675**

CostLink Report	Page Number

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Mobile Elementary**
BRG Project Number: 070386101-9999-002BRG Maricopa County
Project Description: **Replace well**
Consultant: Trust
A/E: Wilson Engineers (480-893-8860)

Board Approval Date: 8/6/2014
Supplemental award: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost:		**$ 291,000**
Contingency ①		**$ 35,000**
Additional Cost:		
Architecture / Engineering (A&E) Fees		$ 74,283
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		**$ 74,283**
Total SFB Funded Project Cost:		**$ 400,283**
District or Local Funds:		$ -
SFB Board Approved Amount:		**$ 400,283**
Total Project Cost:		**$ 400,283**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 230
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Pat Cruse

From: Johnson, Michael E. [Mike.Johnson@Wilson-engineers.com]
Sent: Friday, January 09, 2015 4:02 PM
To: Pat Cruse
Subject: RE: Mobile Well Site

Pat,

Good day.

I left a message for you earlier this week in response to your voice mail from Monday. Based on your message, I think there is some confusion as to the costs for the new well. You mentioned $60-$80k to redrill and equip the well. Please note that per my earlier e-mails, we are projecting $290k to drill a new well and to equip the well. Hopefully, that was conservative but with drillers as busy as they, there is a lot of pressure on drilling costs and schedules.

For our proposal, obviously we haven't had the chance to discuss your follow up comments, bit I did take the time to review it. The biggest issue is having to prepare a biddable set of documents to drill a new well and then to equip it with a new pump/motor (while reusing/relocating other equipment). This set of design docs also has to have sufficient information to be permitted by the County. That said, some ways to reduce the effort are as follows:

- Does the State select/utilize JOC general contractors based on qualifications or can the School Facilities Board piggy back a municipal JOC Contract (from Phoenix or the like)? We do lot of JOC work with Phoenix at treatment plants and remote facilities coordinating with their selected JOC general contractor. The main benefit is substantial time savings because the official bid phase in eliminated (the construction price is negotiated) and we can generally produce design sketches for the JOC contractor to follow in lieu of full biddable contract document sets. We can reduce our proposed effort by at least $5,000 on this project following the JOC design sketch approach.
- Deleting the topo allowance as you requested (saves $3,150). Using the site plan you forwarded isn't ideal (especially if only a pdf is available), but it will have to suffice. Using the pdf with the JOC format above would be ideal.
- Does the state have a certified lab to do the water quality testing for the new source approval? That will save $4,000 in testing (and potentially the costs associated with our effort in pulling samples and preparing the permit application – if the State can do that).
- You can pull the MCESD permit fees out and pay them direct to the County. It doesn't save you the costs of the permits, but it does save a 5% markup.

Anyway just some thoughts on reducing the cost. Please give me a call if you want to discuss further. If you elect to go a different direction on the project, I wish you good fortune and I appreciated the opportunity to work with you. Thanks.

Have a great weekend!

Regards,

Mike

Michael E. Johnson, P.E.
Wilson Engineers
9633 South 48th Street, Suite 290
Phoenix, AZ 85044
O: 480-893-8860

F: 480-893-8968
C: 602-501-0852

-----Original Message-----
From: Pat Cruse [mailto:pcruse@azsfb.gov]
Sent: Wednesday, December 31, 2014 10:48 AM
To: Johnson, Michael E.
Subject: Mobile Well Site

Hi Mike,

I have reviewed your proposal and have several comments. The well has been performing as necessary and would be continuing the use of it had it not been the casing and electrical failures. I want to discuss the charges as you have presented them:

Task 1.0: What is there to design for well equipping, as that has already been completed. We are only confirming the existing equipment, reusing the current design and ensuring we meet 35 gpm as originally designed and/or 259 Students and 20-25 staff. The irrigation requirements will be reduced as well.

Task 2.0: We are reusing all above ground equipment, therefore engineering cost appear to be showing full design. Please reduce.

Task 3.0: If you do your engineering correctly, why are you charging an additional $3,000 for delivery and pickup?

Task 4.0: If Basin Wells is performing for these actions 4.2, 4.3 and 4.5, why are you charging for the same?

I have provided you a recent topo of that site, please review to ensure that meets your needs. Please provide your comments and thoughts to my thoughts, but it appears that engineering is higher than the potential well to be provided.

Hope you have a Happy New Year. Thanks, Pat.

Your message is ready to be sent with the following file or link attachments:

MobileElem-HTE123501-C2
MobileElem-HTE123501-BMP1
MobileElem-HTE123501-C1

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

Pat Cruse

From: Johnson, Michael E. [Mike.Johnson@Wilson-engineers.com]
Sent: Monday, December 22, 2014 10:52 AM
To: Pat Cruse
Cc: Ramsey Craig A.
Subject: RE: Mobile Elementary Well Rehab

Pat,

Good day.

I forwarded a copy of the well video to Basin Wells on Friday. Over the weekend, we coordinated with them to jointly review the video and the other information you forwarded concerning the well. Some initial observations:

- The well casing is old and in very poor shape. Buck Schmidt (with Basin Wells) stated it is one of the worst he has have ever seen.
- Due to the poor condition of the well casing and the lack of water level within the well (see next bullet point), rehab options will be few (if they are even feasible) and expensive. One of the biggest concerns will be the risks of the drilling contractor losing tools down the existing hole which could damage the existing well further.
- According to the video and other information provided, there is only about 13 feet of water in the hole. I know there were certain pumping changes proposed and that the hope was that some water level recovery would occur within the well based on those pumping changes. However, in discussing this with Basin Wells, they don't believe much water level recovery will occur because the levels currently seen in the existing well are generally consistent with other well water level data in the area (based on information they obtained from ADWR). From that perspective, the current depth of the existing well will be problematic in re-establishing a permanent sustainable source of water for the school (i.e. the existing well will need to be deepened as part of any rehab effort).

Based on the age and poor condition of the well, as well as, the limited available aquifer, we would strongly advocate designing/installing a new replacement well and abandoning the existing well. This would also include designing a new well pump, motor, and motor starter based on the new well conditions. Going down that route, we will also need to look at the current electrical setup to make sure it has sufficient capacity for the new well pump motor (if it changes based on the new well conditions) and that the current service is up to code (since the existing well is fairly old). If the existing discharge piping, valves, etc. are in good condition, we can try and reuse it if that is desirable or replace it (if keeping the existing well operational until the new well is ready is of more value). Also, assuming this well is part of the Mobile School's potable water system, any rehab or replacement well effort will also require Maricopa County Environmental Services permitting approval (both New Source Approval, Approval to Construct, and Approval of Construction). A drilling card will also need to be procured from ADWR.

Let me know your thoughts on how you want to proceed. If you want to meet or have a conference call to discuss this further, both us and Basin Wells are available. Thanks.

FYI - I am out later this week starting Wednesday the 24th through the 26th. I will be back in the office next Monday (the 29th). If I don't hear from you before then, have a great Christmas!

Regards,

Mike

Michael E. Johnson, P.E.
Wilson Engineers
9633 South 48th Street, Suite 290
Phoenix, AZ 85044

Pat Cruse

From: Johnson, Michael E. [Mike.Johnson@Wilson-engineers.com]
Sent: Tuesday, December 16, 2014 11:22 AM
To: Pat Cruse
Cc: Ramsey Craig A.
Subject: Mobile Elementary Well Rehab

Pat,

Good day.

I left a voice mail for you yesterday, but wanted to follow up with an email as well. Craig Ramsey forwarded the information you discussed with him regarding the Mobile Elementary School Well Rehab Project. A couple of important points:

Scope: Craig mentioned you wanted to rehab/re-case the existing well and that the existing casing is severely corroded and almost gone. The condition of the existing well casing will dictate what rehab effort can be conducted successfully or it could just dictate that a new well be ultimately drilled. I will need to get a hydrogeologist involved to review the condition of the existing well casing to make that determination/recommendation. Craig also mentioned that the well has already been videoed. Can you forward a copy of the video? Also, do you the ADWR registration number for the well? The age of the existing well and type of materials used can shed some light on whether rehab is an option.

Schedule: Craig mentioned that you were looking for a mid-January turn around. All-in, that will be difficult. However, one plan of attack could be to first try a temporary band aid approach on the existing well. This is risky without knowing much yet (i.e. the video will tell more as to whether this approach is even feasible). If at least feasible, an initial rehabilitation could consist of cleaning, bush and bail, chemical treatment (Aqua Clear PFD) followed by redevelopment and testing. The overall rehab effort could probably be completed in a 6-8 week timeframe (dependent on the contractor availability). Based on the resulting well production capability, we could then try to do a temporary band aid modification on the existing pump (if possible). We could also try to look into an interim rental pump (though that isn't likely) . The risk here is that this is probably a short term fix at best or it may not work at all, but hopefully it could buy some time to get the well more permanently rehabbed / replaced (if that is what is warranted).

On that note, to more permanently rehab the well (i.e. a new casing) or replacement, we will be at the mercy of the drilling contractors to do this work. Unfortunately, what we are seeing in the current market is that they are very busy (i.e. it could easily be 4 to 6 months before a driller will even mobilize).

Equipment: For the equipment side of things, the pump design will be dependent on the resulting production capabilities of the well. Based on his understanding, Craig relayed that the current static water level is 448-ft and that the bottom of the well is 460-ft. That isn't much saturated thickness, which likely means it won't yield much water. Hopefully, cleaning would help increase the yield (as well as the reduction in pumping you alluded to). Either way, with limited information there really isn't a way to predict the resulting pumping conditions until the cleaning is done and the well redeveloped and tested. We could try to replace like for like, but that probably is asking for failure.

For a more permanent solution (re-casing the existing well or redrilling), the new equipment would again be design based on the resulting developing and testing of the well.

When you get a chance, please give me a call to discuss further. Thanks.

Regards,

Michael E. Johnson, P.E.
Wilson Engineers
9633 South 48th Street, Suite 290

WILSON
ENGINEERS

9633 South 48th Street, Suite 290
Phoenix, AZ 85044-5658
480-893-8860 | 480-893-8968 Fax
Wilson-Engineers.com

12/30/2014

Mr. Pat Cruse
ARIZONA SCHOOL FACILITIES BOARD
1701 West Washington
Phoenix, AZ 85007

Re: Engineering Proposal for Mobile Elementary School Well Replacement

Dear Mr. Cruse:

Wilson Engineers is pleased to submit this proposal to provide engineering services to replace the existing potable water well at the Mobile Elementary School. The effort will consist of the design, permitting, and construction administration support for the replacement well casing and equipment. Our proposed scope of services and the associated fee breakdown are enclosed for your reference. We will complete the proposed services on a lump sum basis and will invoice you on a monthly frequency for services rendered.

Please review and let us know if you are any questions. Upon receipt of your authorization, we will proceed with the initial site visit. Thank you!

WILSON ENGINEERS

Michael E. Johnson, P.E.
Principal

cc: File

ARIZONA SCHOOL FACILIITES BOARD
MOBILE ELEMENTARY SCHOOL POTABLE WELL REPLACEMENT
DESIGN, PERMITTING, AND ENGINEERING SERVICES DURING CONSTRUCTION
SCOPE OF SERVICES

December 30, 2014

This project includes the design, permitting though Maricopa County, and limited engineering services during construction for replacing the Mobile Elementary School's existing potable water well. For purposes of this Scope of Services, the Arizona School Facilities Board is herein referred to as OWNER and Wilson Engineers is herein referred to as ENGINEER.

For this project, the following components are assumed to be included:

- Replacement well casing / screen at approximately 50 feet from original well location.
- New submersible well pump, pad, and motor. Coordination services with the Project's Hydrogeological Consultant will be provided to determine the design points for the well pump.
- Reutilize the existing flow meter, valves, and appurtenances to connect the replacement well pump to the existing storage tank. Provide new equipment pad and pipe supports.
- Approximately 50 linear feet of underground supply piping to connect the replacement well to the existing storage tank.
- It is assumed that the existing electrical feed is of sufficient size and can be reutilized to supply power to the new well pump motor (from the existing MCC). A new motor starter, conduit, and wire will be designed, but the existing power supply equipment including service entrance and motor control center shall be re-utilized.
- Existing pump controls shall be reutilized.

Specific permitting services included in this Scope are as follows:

- Drilling Card from ADWR.
- New Source Approval from the Maricopa County Environmental Services (MCESD).
- Approval to Construct (ATC) from MCESD.
- Approval of Construction (AOC) from MCESD.
- Building Permit from Maricopa County.

Specific services <u>not</u> included in this Scope are as follows:

- Geotechnical investigation services.
- Utility pot-holing services to locate existing buried utilities.
- Drainage Report/Design. Depending on the new well location, Maricopa County could require an updated Drainage Report as part of the Building Permit Application process. For purposes of this Scope, it is assumed that the County Building Permit can be obtained without providing a new Drainage Report/Design.
- Maricopa County Building Permit Fee is assumed to be paid directly by the OWNER.
- ADWR Drilling Card Fees are assumed to be paid directly by the OWNER.
- Landscaping architectural services for the restoring any disturbed landscape areas (if applicable).
- Sampling and lab testing for final Bac-T requirements for well pump, discharge piping, and storage tank. It is assumed that the CONTRACTOR shall provide these services.

The engineering services to be provided under this Project are as follows:

TASK 1.0 PRELIMINARY DESIGN

Subtask 1.1 Site Visit, Data Collection, System Design Coordination, and Existing Equipment Inventory. Collect and review background information for the existing well site and tank(s). Wilson shall visit the existing well site, compile and review the available information regarding the sites' existing conditions including:

- Conduct an existing equipment inventory including: existing above grade well piping, valves, meter, and accessories; electrical service and motor control center; storage tank; and pump controls.
- Topographic surveying services. Provide the topographic survey information (in electronic format compatible with Autocad). In addition, develop a sealed survey control sheet for this project site.
- The ENGINEER shall coordinate with the OWNER to locate existing buried utilities present in the Project Area that may be in conflict with the newly proposed construction. This will include conducting a meeting with the school maintenance staff (if necessary). Blue Stake shall be contacted prior to drilling operations beginning.

NOTE: A $3,150 allowance has been included for topographic surveying needs. The ENGINEER shall get a quote from a third party surveyor and provide to the OWNER for approval prior to beginning.

Subtask 1.2 Hydrogeologic Consulting Services. Basin Wells will prepare a detailed well installation specification and detail for the drilling, casing/screen installation, and testing of one (1) new potable well (to replace the existing well). After incorporating comments from OWNER, Basin Wells will provide the final well drilling and casing technical specifications. During the drilling operations, Basin Wells will provide drilling inspection and well casing installation oversight, geophysical logging, and zonal sample collection and analyses. Basin Wells shall also produce a final well installation report. See Exhibit B for the scope of services from Basin Wells regarding the specific hydrogeologic design and testing activities proposed.

Subtask 1.3 Design Basis Report / 30% Design. As required by Maricopa County Environmental Services Department, the ENGINEER shall prepare a design letter report based on the available data, site investigation, and the County's design standards. The letter report shall include the conceptual well layout, casing design, projected static and dynamic water levels identified during the drilling phase (at the proposed design flow rate), preliminary design criteria and standards for the well pump and motor, pipeline, valves, accessories, electrical feed requirement, and identification of any other design issues and recommendations (i.e. summarizing what existing components will be reused). ENGINEER will submit the Detailed Design Basis Report to the OWNER for review.

TASK 2.0 CONTRACT DOCUMENT PREPARATION

Subtask 2.1 Preparation of 90% Plans and Specifications (Agency Review Set). Prepare preliminary (90%) construction documents including plans and specifications for the replacement potable well. The plans shall incorporate the comments received on the Detailed Design Report / 30% submittal and include the following detailed design areas:

- Civil: Site plan including well, proposed discharge piping locations, and existing storage tank.
- Structural: Concrete pad for the new well and piping.
- Mechanical:
  - Well pump and buried piping. Above grade piping, valves, meter, and piping appurtenances to be reused.

- Electrical: New power feed (starter/conduit/wire) from the existing MCC to the new well pump motor. Existing motor control center, service entrance section, and control instrumentation to be reused.

Three (3) copies of the preliminary, 90 percent, plans and specifications will be submitted for review to OWNER.

Subtask 2.2 Preparation of 100% Plans and Specifications. The final 100% plans and specifications will be prepared incorporating OWNER's and Maricopa County's comments. Three (3) sets of the approved plans and specifications will be provided.

TASK 3.0 MARICOPA COUNTY PERMITTING SERVICES

Subtask 3.1 Maricopa County Environmental Services Approval to Construct (ATC). One set of the agency review plans and specifications will be presented to the Maricopa County Environmental Services Department for expedited review. One review meeting will be conducted to discuss any comments received from the County.

NOTE: Per the MCESD ATC Fee Schedule included in Exhibit C, this task includes a $1,350 allowance for the ATC Permitting Fees.

Subtask 3.2 Maricopa County Environmental Services New Source Approval. The ENGINEER shall provide New Source Groundwater Sampling, Testing, and Permitting for the New Potable Well. This task shall include:

- Coordinate with the DRILLING CONTRACTOR to pump the well for four hours prior to sampling.
- Sampling of the well for the Phase II/V analytical standards required for by MCESD for the New Source Approval.
- Coordinating with an Arizona Certified Laboratory to supply the sample containers and then to test the water samples for the required analytical standards. The samples will be labeled, logged onto a chain-of-custody form and stored on ice in a cooler for transportation to the approved laboratory.
- The results will be summarized and provided to MCESD as part of the New Source Approval Permit Application.

NOTE: *This task includes an allowance of $4,000 for the Arizona Licensed Laboratory Fees for the Phase II/V water quality testing requirements as required by MCESD for the New Source Approval. In addition, this task includes a $925 allowance for the MCESD New Source Approval Permitting Fees.*

Subtask 3.3 Maricopa County Building Permit. The Engineer shall complete the Building Permit application and related requirements and submit the Agency Review Plans and Specifications to Maricopa County for approval. The Engineer shall coordinate with the County and provide additional information as requested. Three (3) sets of plans and specifications will be prepared and submitted to the County for review. The final original permit set (i.e. Field Copy) will be provided to the CONTRACTOR as required by the County.

NOTE: *The building permit fee is not known at this time. Accordingly, this task does not include an allowance for the building permit fee. It is assumed that the OWNER will pay for the building permit fee directly once it is established by Maricopa County.*

TASK 4.0 ENGINEERING SERVICES DURING CONSTRUCTION

Subtask 4.1 Bid Services. The ENGINEER will respond to Bidder's questions during the OWNER's bid phase and issue written addenda as necessary.

Subtask 4.2 Perform Site Visits. The ENGINEER's design staff shall make site visits to observe, as an experienced and qualified professional, the progress and quality of the executed work of CONTRACTOR and to determine in general, if such work is proceeding in accordance with the approved construction documents and that completed work conforms to the Construction Documents as required by the MCESD Approval of Construction requirements. Up to three (3) site visits will be scheduled at periods appropriate with the various stages of construction: one to observe the submersible pump installation; and one to observe the electrical conduit and concrete pad installations, and one to witness all pressure testing activities, disinfection, and Bac-T sampling of the well, and discharge piping (required for the Approval of Construction).

Subtask 4.3 - Review Shop Drawings, Well Pump O&M Manual, and Test Results. The ENGINEER shall receive, review, and evaluate shop drawings, well pump operating and maintenance manual, pressure test results (well discharge pipeline), bac-T results (well pump, discharge pipeline), and other data which CONTRACTOR is required to submit. For this Scope of Services, it is assumed that the shop drawings will be received and returned electronically. The ENGINEER's review shall only be for conformance with the design concept of the Project and compliance with the information given in the construction documents. Such review or other action shall not extend to means, methods, sequences, techniques or procedures of construction selected by CONTRACTOR, or to safety precautions and programs incident thereto. The level of effort for this task is based upon receiving a total of five (5) shop drawing submittals including: well pump & motor, concrete and reinforcing steel for well pump pad, discharge piping, and electrical materials (conduit, wire, etc). The ENGINEER shall compile one hard copy set of shop drawings and one electronic set on CD (in pdf format) for the OWNER.

The ENGINEER shall also review the Well Pump O&M Manual Submittal for conformance with the specification requirements. The ENGINEER shall compile one hard copy set of the approved Well Pump/Motor O&M and one electronic set on CD (in pdf format) for the OWNER.

Task 4.4 - Issue Interpretations and Clarifications. The ENGINEER shall respond to the OWNER and/or CONTRACTOR to clarify and/or interpret technical design related questions. The ENGINEER shall respond to issues raised during construction regarding interpretation and clarification of the contractual administrative and technical requirements of the construction documents.

Task 4.5 - Substantial Completion Inspection / MCESD AOC Coordination. Following notice from the CONTRACTOR, the ENGINEER shall conduct an inspection to determine if the project is substantially complete in accordance with the construction documents. If the ENGINEER considers the project to be Substantially Complete, the ENGINEER shall complete and submit the required Approval of Construction (AOC) Application and Engineer's Certificate of Completion to Maricopa County Department of Environmental Services (including the required/witnessed bacteria and pressuring testing results). The Engineer shall also conduct a site visit with a representative of the Maricopa County Department of Environmental Services, if necessary. The intent of this site visit will be to allow the County to review the facility prior to issuing the Approval of Construction Certificate.

The ENGINEER shall not be responsible for the acts or omissions of the CONTRACTOR, or subcontractor, or any of the CONTRACTOR's or subcontractor's agents or employees or any other persons (except ENGINEER's own employees and agents) at the site or otherwise performing any of the CONTRACTOR's work.

NOTE: It is assumed that the CONTRACTOR shall coordinate with Maricopa County regarding any Building Permit related inspections and to acquire the final certificate of occupancy/use.

END SCOPE OF SERVICES

EXHIBIT A - OVERALL FEE BREAKDOWN

WILSON ENGINEERS

ARIZONA SCHOOL FACILITIES BOARD
MOBILE ELEMENTARY SCHOOL
POTABLE WELL REPLACEMENT PROJECT
DESIGN, PERMITTING, AND ENGINEERING SERVICES DURING CONSTRUCTION
12/30/2014

I. LABOR SUMMARY

Task	Task Description	Principal E-7 $ 195.00	Project Manager E-5 $ 150.00	Project Professional E-4 $ 125.00	Technician T-4 $ 85.00	Admin. A-4 $ 75.00	Total Hours	Total Fee
Task 1.0 - Data Collection and Preliminary Development								
1.1	Site Visit, Data Collection, and Equipment Inventory		4	12			16	$ 2,100
1.2	Hydrogeologic Consulting Services - See Basin Wells below.						0	$ -
1.3	Design Basis Letter Report / 30% Submittal - Well Equipping		8	20	16		44	$ 5,060
	Subtotal - Data Collection and Preliminary Development	**0**	**12**	**32**	**16**	**0**	**60**	**$ 7,160**
Task 2.0 - Well Equipment Contract Document Preparation								
2.1	90% Agency Review Construction Document Submittal		24	48	40	16	128	$ 14,200
2.2	100% Final Submittal		4	12	8	8	32	$ 3,380
	Subtotal - Well Equipment Contract Document Preparation	**0**	**28**	**60**	**48**	**24**	**160**	**$ 17,580**
Task 3.0 - Maricopa County Permitting								
3.1	Maricopa County Environmental Services Approval to Construct (ATC)			8			8	$ 1,000
3.2	Maricopa County Environmental Services New Source Approval			16			16	$ 2,000
3.3	Maricopa County Building Permit		2	8			10	$ 1,300
	Subtotal - Permitting	**0**	**2**	**32**	**0**	**0**	**34**	**$ 4,300**
Task 4.0 - Engineering Services During Bid Phase and Construction								
4.1	Bid Services		2	4			6	$ 800
4.2	Perform Site Visits (3)			12			12	$ 1,500
4.3	Review Shop Drawings, O&M Manual, & Test Results		4	16			20	$ 2,600
4.4	Issue Interpretations & Clarifications			2			2	$ 250
4.5	Substantial Completion Inspection / MCESD AOC Coordination		2	8			10	$ 1,300
	Subtotal - Engineering Services During Bid Phase and Construction	**0**	**8**	**42**	**0**	**0**	**50**	**$ 6,450**
	Subtotal - Wilson Labor Summary	**0**	**50**	**166**	**64**	**24**	**304**	**$ 35,490**

II. EXPENSE SUMMARY

Task No.'s	Expense Description	Unit	Total Units	Cost / Unit	Total
1.2	Basin Wells (Hydrogeologic Consulting Services - See Attached)**	Lump Sum	1	$ 28,574	$ 28,574
1.3	Topographic Survey Allowance**	Lump Sum	1	$ 3,150	$ 3,150
3.1	MCESD ATC Permitting Fee Allowance - See Attached MCESD Fee Schedule**	Lump Sum	1	$ 1,350	$ 1,350
4.5	MCESD AOC Permitting Fee Allowance**	Lump Sum	1	$ 500	$ 500
3.2	Phase II/V Water Quality Testing - Arizona Certified Lab Allowance**	Lump Sum	1	$ 4,000	$ 4,000
3.2	MCESD New Source Approval Fee Allowance**	Lump Sum	1	$ 925	$ 925
3.3	Maricopa County Building Permit (not known at this time - not included)	Lump Sum	1	$ -	$ -
	Mileage	Mile	500	$ 0.59	$ 295
	SUBTOTAL - EXPENSE SUMMARY				**$ 38,793**

**Direct expenses include 5% mark up per attached misc. charges summary.

III. TOTAL ENGINEERING SERVICES

Item	Description	Amount
I.	WILSON LABOR SUMMARY	$ 35,490
II.	EXPENSE SUMMARY	$ 38,793
III.	TOTAL ENGINEERING SERVICES	$ 74,283

MISCELLANEOUS CHARGES SUMMARY

a.	**Subsistence** Subsistence for employees and direct field expenses	At Cost plus 5%
b.	**Transportation** (employees' time and subsistence are changed in addition to the following rates) Company Automobile Passenger Vehicle Commercial Transportation	 $0.59/mile At Cost plus 5%
c.	**Materials** All materials, other than normal office supplies, which are used in connection with the rendering of services.	At Cost plus 5%
d.	**Computer-Aided Design Drafting** (employees' time is charged in addition to the following rate): Use of the interactive CADD System, when used in the rendering of services.	$17.00/hour
e.	**Subcontract Services** Geotechnical, special environmental services, O&M Manuals, and other subcontracted services.	At Cost plus 5%
e.	**Equipment Rental** Charges	Commercial Rates plus 5%
f.	**Printing, Reproductions, and Photographic Work** Charges	Commercial Rates plus 5%
g.	**Environmental and Chemical Laboratory Work** Charges	Commercial Rates plus 5%

EXHIBIT B - BASIN WELLS

9290 East Kayenta Drive
Tucson, Arizona 85749

Tel: 520.749.8878
Fax:520.760.6027
www.basinwellsassociates.com

BasinWells
ASSOCIATES PLLC
SPECIALISTS IN GROUNDWATER DEVELOPMENT

Mr. Michael E. Johnson, P.E.
Wilson Engineers
9633 South 48th Street, Suite 290
Phoenix, AZ 85044

December 23, 2014

14-028-bs

Subject: Proposal to Provide Permitting, Technical Specifications, Bid Support, Borehole Testing and Analysis, Construction Management, and Testing Services for a Replacement Mobile Elementary School Water Well, Wilson Engineers, Mobile, Arizona.

(Transmitted via electronic mail to Mike.Johnson@Wilson-engineers.com on December 23, 2014

Dear Mr. Johnson,

BasinWells Associates PLLC (BasinWells) is pleased to submit this proposal to Wilson Engineers to provide permitting, technical specifications, bid support, borehole testing and analysis, construction management, and testing services for a replacement Mobile Elementary School Water Well. Yield requirement for the replacement well is 35 gallons per minute (gpm).

SCOPE OF WORK

PHASE 1. PROJECT MANAGEMENT

Project management will include:

- Up-to-date progress reports of well installation activities.
- Pre-construction conference and logistical coordination between Mobile Elementary School staff and drilling contractor during mobilization and demobilization of equipment.
- Budget tracking and invoicing.
- Site meeting with Wilson Engineers and school staff, as required.

PHASE 2. PRE-BID WELL DESIGN DEVELOPMENT AND REPLACEMENT WELL PERMITTING

BasinWells will develop a pre-bid well design based on hydrogeologic conditions. Available local hydrogeologic and groundwater quality will be compiled and reviewed.

Notice of Intention to Deepen or Modify an Existing Non-Exempt Well or Construct a Replacement Non-Exempt Well at Approximately the Same Location in an Active Management Area (DW-55-41, Revised 3/12) will be filed for the replacement well with the Arizona Department of Water Resources (ADWR). BasinWells will provide the permit fees of $150. Proposed well design diagram will be included as required.

http://www.azwater.gov/azdwr/WaterManagement/NOI/documents/documents/55-41APPNOIdrilldeepApprev3_12.doc

New well construction form (55-90) will also be filed as required.

http://www.azwater.gov/azdwr/WaterManagement/NOI/documents/55-90_AP.pdf

PHASE 3. TECHNICAL SPECIFICATIONS

Technical specifications will be developed based on the pre-bid well design, specific requirements of the well site (i.e. construction water source, etc.) and testing methodologies and procedures required. A bid schedule will be included for contractor's submittal of costs for bid items utilizing units appropriate to protect owner and contractor.

PHASE 4. BID SERVICES

Bid services will include addressing bidder questions during the contractor selection process. BasinWells will provide a recommendation of the lowest, responsive, and responsible bidder for the well installation project. BasinWells will provide contact information of at least three drilling companies that can effectively execute all phases of well drilling, installation and testing as described in the technical specifications.

PHASE 5. BOREHOLE ANALYSIS

BasinWells will monitor borehole drilling to assess the local hydrogeologic conditions, facilitate development of a lithologic log, and analyze the geophysical logging suite. Geophysical logging firm shall be subcontracted by the selected driller. Drill cuttings sampled every 10-feet from the borehole will be collected in specially designed plastic "chip tray" containers for archival purposes.

PHASE 6. ZONAL GROUNDWATER SAMPLING AND ANALYSIS

Based on the lithologic and geophysical analyses, BasinWells will select specific zones for the collection of groundwater samples. Groundwater samples will be submitted to an analytical laboratory for analysis of total dissolved solids (TDS), nitrate, arsenic, and fluoride. Analytical laboratory will be subcontracted by BasinWells. A total of three groundwater samples are proposed to be collected to evaluate the various sub-aquifers that will be encountered. Based on borehole analysis (Phase 5) and zonal groundwater sampling and analysis, BasinWells will develop a final well design with input and approval of Wilson Engineers.

PHASE 7. WELL CONSTRUCTION MANAGEMENT

Well Installation Inspection. BasinWells will provide inspection of well casing, screen, and annulus material installation shall assure that the well installation is conducted in compliance with the materials and construction standards specified. BasinWells will document all construction materials, installation techniques, and well development techniques via pipe tallies, cement grout records, etc. Samples of the filter pack material and cement grout shall be collected and submitted for archival purposes. A detailed-record drawing of the well will be prepared for inclusion in the Final Well Completion Report.

Well **Development Inspection.** BasinWells will provide inspection of well development to assure the appropriate equipment is being used and development is being conducted in a manner to maximize yield.

PHASE 8. WELL TESTING PROGRAM AND FINAL ACCEPTANCE

Pump Test and Analysis. BasinWells will observe and collect water level and flow data during a 12-hour, constant-rate aquifer test of the new replacement well to evaluate long-term sustainability of optimum yield. Cooper-Jacob straight line method of analysis will be applied to water-level drawdown measurements and Theis recovery method will be applied to water-level recovery measurements.

Final Acceptance. BasinWells will provide inspection of a video survey and prepare a video survey log to document the content of the video. The video survey of the well will verify construction and document the condition of the well at the time of construction.

PHASE 9. WELL COMPLETION REPORT

The Final Well Construction Report will include clear descriptions of the well drilling and installation process, as well as basic data such as pipe tallies, grout records, the lithologic log, and video log. The report format utilized by BasinWells will provide comprehensive documentation of the well installation. The report will also include recommendations of yield rate and pump setting, and detailed-record drawing of the new replacement well. Aquifer test analyses will also be presented.

ASSUMPTIONS

(1) BasinWells professional services to be provided on a time-and-material basis.

(2) Wilson Engineers will administer all aspects of the well bidding process including advertisement requirements, etc. except as described in Phase 4.

(3) Contract administration for well drilling shall be performed by others.

(4) Discharge of groundwater shall be contained on site not requiring an ADEQ DeMinimis Discharge Permit.

(5) New Source Approval constituents laboratory analyses shall be performed by others.

(6) BasinWells to provide pH/conductivity meter, water level sounder, and turbidity meter, as required.

(7) Any out-of-scope work conducted at the direction of Wilson Engineers shall be administered and initiated by the execution of a change order applying professional labor and expense rates shown in Exhibit B.

SCHEDULE

BasinWells Associates can commence performing these services at the direction of Wilson Engineers.

DELIVERABLE

Deliverable will include three copies of well completion report. Up-to-date progress reports will be provided via electronic mail to Wilson Engineers and Mobile Elementary School personnel as required.

FEE ESTIMATE

BasinWells Associates will perform the proposed scope of work on a time and material basis as tabulated in Exhibit A. Estimated, not-to-exceed fee is $27,213 and would only be exceeded by written approval of Wilson Engineers.

Thank you for the opportunity to provide these services. If you have any questions concerning the proposed scope of work and fee estimate, please contact Buck Schmidt at (520) 749-8878.

Very truly yours,

BASINWELLS ASSOCIATES PLLC

EXHIBIT A - Estimated Fess Calculations
EXHIBIT B - Professional Rate and Equipment Fee Schedule

cc: Mike Bostic, R.G., BasinWells Associates PLLC

Exhibit A

Estimated Fees

BasinWells Associates PLLC

Provide Permitting, Technical Specifications, Bid Support, Borehole Testing and Analysis, Construction Management, and Testing Services for a New Mobile Elementary School Water Well, Wilson Engineers, Mobile, Arizona.

December 23, 2014

	LABOR FEES										TOTAL	
PHASE	PROFESSIONAL LABOR HOURS	PROFESSIONAL LABOR FEES	FIELD LABOR HOURS	FIELD LABOR FEES	GIS MAPPING/CADD LABOR HOURS	GIS MAPPING/CADD LABOR FEES	PROJECT ASSISTANT LABOR HOURS	PROJECT ASSISTANT LABOR FEES	TOTAL ESTIMATED HOURS	ESTIMATED LABOR FEES	OTHER DIRECT EXPENSE FEES	TOTAL
PHASE 1. PROJECT MANAGEMENT	24	$3,240	0	$0	0	$0	0	$0	24	$3,240	$198	$3,438
PHASE 2. PRE-BID WELL DESIGN DEVELOPMENT AND REPLACEMENT WELL PERMITTING	8	$1,080	0	$0	4	$300	0	$0	8	$1,380	$160	$1,540
PHASE 3. TECHNICAL SPECIFICATIONS	16	$2,160	0	$0	4	$300	0	$0	16	$2,460	$0	$2,460
PHASE 4. BID SERVICES	8	$1,080	0	$0	0	$0	0	$0	8	$1,080	$225	$1,305
PHASE 5. BOREHOLE ANALYSIS	2	$270	16	$1,520	0	$0	0	$0	18	$1,790	$450	$2,240
PHASE 6. ZONAL GROUNDWATER QUALITY SAMPLING AND ANALYSIS	2	$270	16	$1,520	0	$0	0	$0	18	$1,790	$1,575	$3,365
PHASE 7. WELL CONSTRUCTION MANAGEMENT	2	$270	40	$3,800	0	$0	0	$0	42	$4,070	$450	$4,520
PHASE 8. WELL TESTING PROGRAM AND FINAL ACCEPTANCE	2	$270	30	$2,850	0	$0	0	$0	32	$3,120	$1,125	$4,245
PHASE 9. WELL COMPLETION REPORT	24	$3,240	0	$0	6	$450	4	$260	28	$3,950	$150	$4,100
TOTAL	88	$11,880	102	$9,690	14	$1,050	4	$260	194	$22,880	$4,333	$27,213

Exhibit B

Professional Rate and Equipment Fee Schedule for Wilson Engineers
BasinWells Associates PLLC
December 23, 2014

PROFESSIONAL SERVICES	
TECHNICAL/ADMINISTRATION	RATE
PROFESSIONAL HYDROLOGIST/GEOLOGIST	$135
FIELD HYDROLOGIST/GEOLOGIST	$95
GIS MAPPING/CADD	$75
PROJECT ASSISTANT/OFFICE SUPPORT SERVICES	$65

FIELD EQUIPMENT	
INSTRUMENT	RATE PER DAY
WATER LEVEL INDICATOR (0-500 FEET)	$75
WATER LEVEL INDICATOR (500-1,000 FEET)	$100
Ph/ELETRICAL CONDUCTIVITY/TEMPERATURE METER	$75
TURBIDITY METER	$50
HAND-HELD GPS	$20

OTHER DIRECT COSTS	
INDENTIFICATION	RATE
COMPANY VEHICLES PER MILE	$0.55
FIELD PER DIEM PER DAY PER MAN	$30
SUBCONTRACTORS	Cost+ 15
OTHER OUTSIDE SERVICES, RENTAL EQUIPMENT, AND DIRECT PROJECT EXPENSES	Cost + 15%

EXHIBIT C - MCESD APPROVAL TO CONSTRUCT FEE SCHEDULE

Environmental Services Department
Water and Waste Management Division
1001 North Central Avenue, Suite 150
Phoenix, AZ 85004

Water and Wastewater Treatment Program
Telephone: (602) 372-2861
Facsimile: (602) 506-6925
E-mail: WWM_TPP@mail.maricopa.gov

SUBMITTAL PACKAGE INSTRUCTIONS FOR APPROVAL TO CONSTRUCT WATER OR WASTEWATER TREATMENT, RECLAIMED WATER OR REUSE FACILITIES

Approval certificates will not be issued until all fees are paid in full.

FEE SCHEDULE TABLE – APPROVAL TO CONSTRUCT

PROJECT COMPONENT TYPE	AMOUNT [1,2]	PROJECT COMPONENT TYPE	AMOUNT [1,2]
Treatment Plant: < 0.1 million gallons/day (mgd)	$ 1000.00	Metering Station (Note 4)	$ 150.00
Treatment Plant: 0.1 to 1 mgd	$ 1500.00	Water Quality Monitoring Station	$ 150.00
Treatment Plant: > 1 mgd	$ 3000.00	Blending System	$ 150.00
Reuse Facility/System	$ 250.00	Odor Control System	$ 150.00
Recharge/Recovery Facility/System	$ 250.00	Disinfection System	$ 150.00
Point-of-Use Treatment System	$ 1000.00	Individual Water Pipeline	$ 600.00
Intake/Turnout/Diversion/Outfall Structure	$ 150.00	Individual Sewer Pipeline	$ 500.00
Effluent Disposal System	$ 1000.00	Individual Reuse Pipeline	$ 600.00
Individual Drinking Water Source Well (Note 3)	$ 675.00	Water Distribution System (Note 4)	Note 6
Individual Reclaimed Water Recharge/Recovery Well	$ 250.00	Gravity Sewer Collection System (Note 4)	Note 7
Storage Tank/Reservoir/Basin (Note 4)	$ 675.00	Force Main Sewer System (Note 4)	Note 8
Booster Pump Station (Note 4)	$ 675.00	Experimental Project (Note 5)	$ 300.00
Lift Pump Station (Note 4)	$ 600.00	Other Component (Note 5)	$ 150.00
Pressure Reducing Valve Station (Note 4)	$ 675.00		
Transfer Valve Station (Note 4)	$ 675.00	Base Plan Review Billing Rate (Note 2)	$ 130.00/hr

NOTES:

1) The fees listed in this table are the base fee (i. e. the initial or flat fee) for a standard review. An expedited review doubles the flat, initial and maximum fee amounts. A phased review also doubles the flat, initial and maximum fee amounts. A design/build review also doubles the flat, initial and maximum fee amounts.
2) Many of the fees listed in this table are the initial fee for the review. The project's total fee may be more than the initial fee if the number of man hours expended on the project exceeds the initial fee amount. Man hours are billed at the base plan review billing rate modified by the applicable expedited, phased and design/build multipliers up to a maximum plan review billing rate of $260.00/Hour. An invoice will be issued for any additional fees as they become due. Please consult the Maricopa County Environmental Health Code to determine the maximum fee amount that may be billed for a particular component type.
3) This type of project is normally submitted to the MCESD's Subdivision, Infrastructure and Planning Program for approval unless the well requires treatment. Please contact the Water and Wastewater Treatment Program before submitting this type of project.
4) This type of project is normally submitted to the MCESD's Subdivision, Infrastructure and Planning Program for approval. Please contact the Water and Wastewater Treatment Program before submitting this type of project.
5) Please contact the Water and Wastewater Treatment Program before submitting this type of project.
6) Fee amount is $600.00 for 0 – 150 connections plus $600.00 for every 150 additional connections.
7) Fee amount is $500.00 for 0 – 50 connections plus $500.00 for every 250 additional connections.
8) Fee amount is $800.00 for 0 – 50 connections plus $500.00 for every 250 additional connections.

C) APPLICATION FORM INSTRUCTIONS

Each section of the application form should be filled out per the following instructions:

1. ☐ **PROJECT INFORMATION:**
   - **a)** **REVIEW TYPE** – Check the box indicating if this project requires an *Approval To Construct* review or if a certificate renewal (time extension) for an existing project is being requested.
   - **b)** **REVIEW MODIFIERS** – Check the box(es) indicating if this project requires an expedited, phased and/or design/build review.
   - **c)** **PROJECT CLASS** – Check the appropriate box identifying the applicable project class.
   - **d)** **PROJECT NAME** – The project name must be the same as that appearing on the documentation submitted for the project review.

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Mohave Valley Elementary**
BRG Project Number: **080416101-1013-021BRG** Mohave County
Project Description: **Replace two HVAC units**
Engineer: BESP (Sameer Pandey 602-377-2679)
Contractor: TBD

Board approval: 12/10/2014
Supplemental award: 42,039

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost:		**$ 18,900**
Contingency ①		**$ 4,000**
Additional Cost:		
Architecture / Engineering (A&E) Fees		$ 5,000
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ 2,500
Testing & Inspection		$ -
Total Additional Cost:		**$ 7,500**
Total SFB Funded Project Cost:		**$ 30,400**
District or Local Funds:		$ -
SFB Board Approved Amount:		**$ 30,400**
Total Project Cost:		**$ 30,400**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

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

Building Energy Solutions Provider

January 12, 2015

David Berard
Facilities Manager
Mohave Valley Elementary School District
8450 South Olive
Mohave Valley, Arizona 86440

Ref: Proj. # 080416101-1013-021BRG- HVAC system at Mohave Elementary Classroom Bldg # 15 (SFB # 1013)

Dear Mr. Berard,

Please find attached mechanical design drawing and cost estimate to replace HVAC system at Mohave Elementary Classroom Building # 15. It shall be noted that per our assessment, the classroom building is served by two (2) Marvair wall mounted units with a cooling capacity of three & half (3.5) tonnage each. The units are fifteen (15) years old, and one of the units (northern) has completely failed. The other remaining unit is inadequate to satisfy the classroom cooling load, and is also showing signs of failure.

As indicated in the attached mechanical drawing, our recommendation is to replace existing two (2) wall mounted units with one (1) 5-Ton packaged heat pump unit. New supply and return duct will feed the unit into the classroom space. We are recommending to add a door grill at the existing interior door for return air circulation. We have also noted in the drawing for the contractor to provide missing ceiling diffusers in the classroom.

We estimate $18,900 as an installation cost to replace the HVAC system at Mohave Elementary Classroom Building. Please refer Page 2 of this document for a detailed estimate.

BESP's fee to provide construction administration service for this project is $2,500. BESP's scope includes:

1. Prepare and review bid documents
2. Submittal review
3. Site Visit/Inspection/Close-Out

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

Sincerely,

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

Attachment:

1) Mechanical Drawing- Mohave Elementary Classroom Building

Building Energy Solutions Provider

COST-ESTIMATE BREAKDOWN

Item Description	Material Cost	Labor Hours
Demo two (2) wall mounted Marvair units	$500	12
Provide/Install one (1) Trane heat pump unit - 5 Ton	$3,780	30
Provide/Install 4" concrete pad - 5'x6'	$350	Included
Provide/Install new supply & return ductwork	$2,600	Included
Provide/Install new ceiling diffusers	$150	6
Provide/Install one (1) door grill	$220	Included
Connect new heat pump to T-Stat	$200	Included
Electrical connections/Disconnect	$1,000	Included
Miscellaneous sealing/touch-up	$200	4
Meeting & Coordination		8
Sub Total	$9,000	60
Labor Cost at $60/hr.	$3,600	
Sub Total Cost- Material & Labor	$12,600	
Add 15% & 10% overhead/profit	$3,150	
Sub Total	$15,750	
Add 20% contingency	$3,150	
Grand Total- Cost Estimate	$18,900	

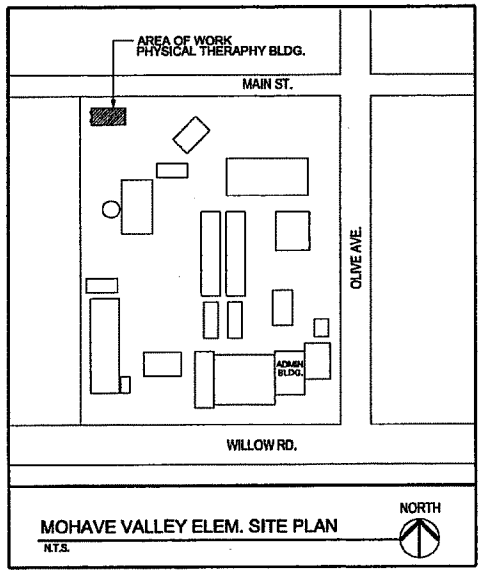
MOHAVE VALLEY ELEMENTARY SCHOOL

1419 WILLOW RD.

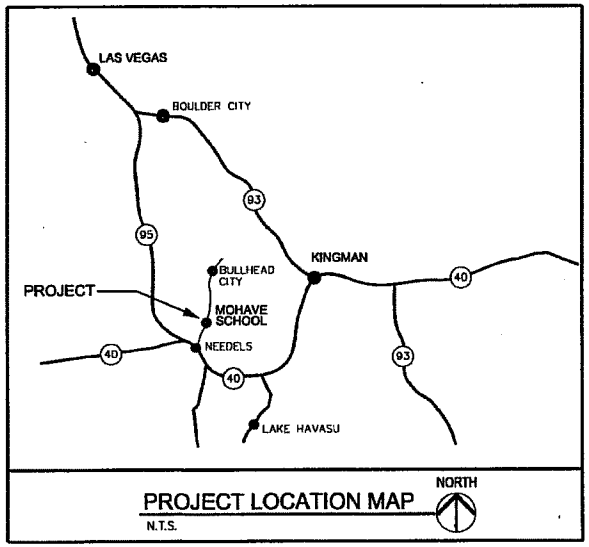
MOHAVE VALLEY ARIZONA 86440

Scope: PHYSICAL THERAPHY BUILDING HVAC UPGRADES

INDEX
C-1 COVER SHEET
M-1 MECHANICAL PLAN



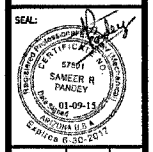
MOHAVE VALLEY ELEM. SITE PLAN
N.T.S.



PROJECT LOCATION MAP
N.T.S.

Building Energy Solutions Provider
219 S. WILJAM DILLARD DR. SUITE 129
GILBERT, ARIZONA 85233

SEAL:



PROJECT: MOHAVE VALLEY ELEMENTARY SCHOOL
MOHAVE VALLEY ARIZONA 86440

JOB NAME: PHYSICAL THERAPHY BUILDING

SHEET: COVER SHEET

DATE: JAN-11-2015

Scale: AS NOTED

Design By: BESP

Drawn By: JUAN

Checked By: SRP

REVISIONS

SHEET NO:

C-1

CONSTRUCTION NOTES

MECHANICAL GENERAL NOTES:

- ALL NEW WORK TO COMPLY WITH MOHAVE VALLEY AZ. ADOPTED MECHANICAL CODES.
- BEFORE SUBMITTING THE BID, CONTRACTOR SHALL MAKE A CAREFUL EXAMINATION OF THE PREMISES AND EXISTING CONDITIONS, DETERMINE IN ADVANCE, THE METHODS OF INSTALLING AND MEANS FOR GETTING EQUIPMENT INTO PLACE.
- DUCTWORK SIZES SHOWN ARE ACTUAL SHEET METAL SIZES. SHEET METAL GAUGES AND INSTALLATION SHALL BE ACCORDING TO THE LATEST SMACNA DUCT CONSTRUCTION MANUAL. PAINT AND SEAL ALL EXPOSED DUCT ON ROOF WITH 2 COATS OF WHITE "ELASTOMERIC SEALER" OR EQUAL.
- ALL DUCT JOINTS, INCLUDING BRANCH DUCT CONNECTIONS, SHALL BE SEALED WITH HARDCAST OR EQUIVALENT EMC DUCT SEALER.
- LINE ALL NEW AIR CONDITIONING SUPPLY AND RETURN DUCTWORK EXPOSED TO THE WEATHER WITH MIN. 2" ACOUSTICAL LINER (R-6 VALUE).
- NO DUCTWORK SHALL BE MADE UNTIL DUCT CLEARANCES ARE FIELD VERIFIED. MINOR OFFSETS AND TRANSITIONS REQUIRED BECAUSE OF INTERFERENCES ENCOUNTERED IN THE FIELD SHALL BE A PART OF THIS CONTRACT AND SHALL BE MADE BY KEEPING SAME SQUARE INCHES OF DUCT SIZE AS SHOWN ON THE PLANS.
- PROVIDE OWNER AND MAINTENANCE PERSONNEL, START-UP EQUIPMENT OPERATION TEST, AND OPERATION INSTRUCTIONS.
- FURNISH THREE SETS OF OPERATION, MAINTENANCE, WIRING AND WARRANTY INFORMATION ON ALL EQUIPMENT TO THE OWNER IN INDEXED 3-RING BINDERS.
- CONTRACTOR SHALL FURNISH ANY MISCELLANEOUS ITEMS NORMALLY USED, SPECIFICALLY MENTIONED OR NOT, TO RENDER A COMPLETE INSTALLATION.
- MECHANICAL CONTRACTOR TO PROVIDE IN HOUSE COMFORT AIR BALANCING, AND VERIFY AIRFLOWS THRU CEILING DIFFUSERS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDED DESIGN OR INSTALLATION EXPENSE RESULTING FROM SUBSTITUTION OF EQUIPMENT.
- MAKE NOTE OF ANY CHANGES MADE IN LAYOUT AND INCORPORATE IN "RECORD" DRAWINGS SUBMITTED TO OWNER.
- CONTRACTOR TO PROVIDE OWNER 2 YEARS WARRANTY ON INSTALLATION.

DEMOLITION NOTES:

- COORDINATE DEMOLITION OF EXISTING EQUIPMENT WITH ALL OTHER TRADES, AND VERIFY PROPER DISPOSAL WITH OWNER.
- COORDINATE DEMOLITION SCHEDULE AND HOURS OF WORK WITH THE OWNER.
- CONTRACTOR SHALL MAINTAIN PREMISES IN CLEAN CONDITION AT END OF EACH DAY AND THOROUGHLY CLEAN-UP AT END OF CONSTRUCTION.
- VERIFY IN ADVANCE ANY CRANE SETTINGS AND SCHEDULE HRS. WITH OWNER.

ELECTRICAL NOTES:

- ELECTRICAL SCOPE OF WORK TO COMPLY W/MOHAVEY VALLEY AZ. ADOPTED CODES.
- CONTRACTOR SHALL VERIFY IN ADVANCE ELECTRICAL CONDITIONS AND VOLTAGES ON PREMISES, AND DETERMINE METHODS OF INSTALLATION, PRIOR TO BID. NOTIFY BESP IN ADVANCE FOR ANY DISCREPANCIES.
- ALL ELECTRICAL HIGH VOLTAGE WIRING, FUSES, CONDUIT, AND DISCONNECTS SWITCHES, SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. LOW VOLTAGE WIRING TO THERMOSTATS, SHALL BE INSTALLED BY THE MECHANICAL CONTRACTOR.

EMCS NOTE:

- CONTRACTOR TO VERIFY IF AN EMCS SYSTEM/PROVIDER IS IN PLACE.
- CONTRACTOR TO COORDINATE WITH OWNER FOR EMCS INTER-PHASE.

CONTACT:

- FOR QUESTIONS, CLARIFICATIONS, AND/OR SCHEDULING A SITE VISIT PRIOR TO BID SUBMITTAL. CONTACT SAMEER PANDEY AT: sameerpandey@besp.us OR CELL PHONE : (602) 377-2679.

PLAN KEY NOTES

1. EXISTING MARVAIR WALL MOUNTED UNIT TO BE REMOVED. EXISTING S/A & R/A DUCT OPENINGS THRU WALL TO REMAIN.
2. EXISTING WALL MOUNTED DISCONNECT (208-1-60) TO BE RE-USED AS REQUIRED TO POWER NEW HP-1 UNIT. CONTRACTOR TO NOTIFY BESP IN ADVANCE IF DISCONNECT NEEDS REPLACEMENT.
3. PROVIDE AND INSTALL NEW 5 TON HP UNIT. CONNECT S/A & R/A DUCTS AS SHOWN, RE-CONNECT ELECTRICAL, PROVIDE CONDENSATE P-TRAP AND EXTEND FULL SIZE DRAIN TO LANDSCAPE.
4. PROVIDE AND INSTALL NEW S/A & R/A DUCTWORK AS SHOWN. CONNECT TO EXIST. S/A & R/A OPENINGS, TRANSITION AS REQUIRED. SEAL ALL CONNECTIONS WEATHERTIGHT.
5. PROVIDE AND INSTALL 4 NEW MISSING 12x12 CD'S (VERIFY SIZE) MATCH EXISTING CD'S MODEL.
6. EXIST. T'STAT TO REMAIN AND RE-CONNECT TO NEW HP-1. TEST FOR PROPER OPERATION.
7. PROVIDE AND INSTALL NEW 18x18 DOOR GRILLE @ EXIST. DOOR KRUEGER MODEL 5500 – ALUM. NONVISION.

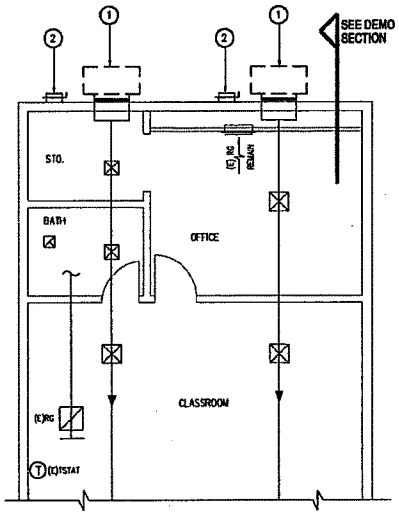
MECHANICAL LEGEND

SA	SUPPLY AIR
RA	RETURN AIR
EA	EXHAUST AIR
DG	DOOR GRILLE – KRUEGER 5000 ALUM.
CD	CEILING DIFFUSER – KRUEGER 5000-C80
DTW	DUCT THROUGH WALL
AFF	ABOVE FINISHED FLOOR
OH	OVERHEAD
MD	MANUAL DAMPER
CLG.	CEILING
DN.	DOWN
T	THERMOSTAT
POC	POC – POINT OF CONNECTION

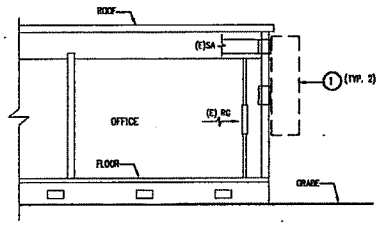
PACKAGED HEAT PUMP UNIT SCHEDULE

MARK	MANUFACT. MODEL OR EQUAL	NET CAPACITY NOMINAL TONS	CFM DISCH.	ESP	OUT/AIR CFM	MIN. SEER	ELECTRICAL MCA	UNIT WEIGHT LBS.
HP-1	TRANE 4WCYU4060A1	55,000 BTUH 5 TON	2000 SIDE	0.6"	120	14.0	208-1-60 42.3 AMP	540

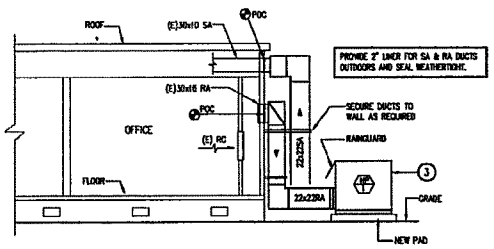
1. PROVIDE HAIL GUARDS, AND OUTSIDE AIR DAMPER SET TO OUT./AIR CFM SHOWN.



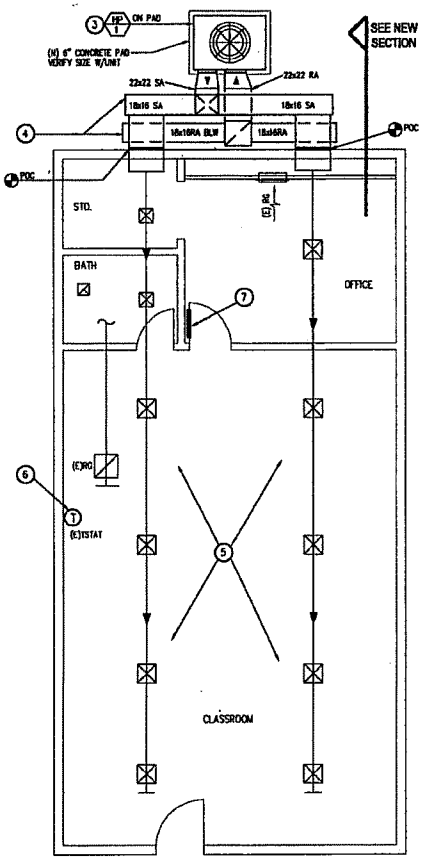
2 MECHANICAL DEMO PLAN
SCALE: 1/4" = 1'-0"
NORTH



3 MECHANICAL DEMO SECTION
SCALE: 1/4" = 1'-0"



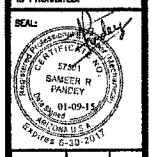
4 MECHANICAL NEW SECTION
SCALE: 1/4" = 1'-0"



1 NEW MECHANICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"
NORTH

Building Energy Solutions Provider
219 S. WILLIAM DILLARD DR. SUITE 129
GILBERT, ARIZONA 85233

SEAL:



PROJECT: MOHAVE VALLEY ELEMENTARY SCHOOL
MOHAVE VALLEY ARIZONA 86440

JOB NAME: PHYSICAL THERAPHY BUILDING

SHEET: MECHANICAL PLAN

DATE: JAN-11-2015
Scale: AS NOTED
Design By: BESP
Drawn By: JUAN
Checked By: SRP

REVISIONS

SHEET NO:
M-1

STATE OF ARIZONA
SCHOOL FACILITIES BOARD

Meeting Date: February 4, 2015 **Agenda Item VII.c.**

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

Benson Unified
Bullhead City Elementary (2 requests)
Cave Creek Unified
Colorado River Union
Mayer Unified
Saddle Mountain Unified (3 requests)
Scottsdale Unified (2 requests)
Tuba City Unified
Willcox Unified

Background – Benson Unified (Benson HS – replace evaporative coolers with A/C system)
Benson Unified has submitted a Building Renewal Grant request to replace the evaporative coolers in the gymnasium Building 1004 at Benson High School.

Benson Unified, located 60 miles southeast of Tucson, has three schools. Benson High School is comprised of eighteen buildings constructed between 1948 and 2010, totaling 116,105 square feet. Building 1004 was built in 1990, totaling 26,680 square feet. This school is at an elevation of 3,600 feet.

SFB staff visited the site and found the gymnasium to be unevenly conditioned throughout, with a humidity of 78 percent, and equipment unable to maintain the 68-82 degree temperature as required by R-7-6-213. The walls opposite of the evaporative discharge vents had water condensing on them. The district states that during the rainy season the gym floor buckles. The existing evaporative cooling was installed in 1990, has outlived its useful life, and needs to be replaced.

The district received a proposal from a mechanical engineer to make the required replacements. The proposal for the design/construction administration is $22,500 and the estimated construction cost is $140,000.

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 - Benson Unified (Benson HS – replace evaporative coolers with A/C system)
Staff recommends that Benson Unified be awarded $172,500 in Building Renewal Grant funding to replace the evaporative coolers in the gymnasium Building 1004 at Benson High School. This includes $10,000 in contingency that will only be used with SFB staff approval.

Background – Bullhead City Elementary (Bullhead City JHS – roof repairs)
Bullhead City Elementary has submitted a Building Renewal Grant request for roof repairs on Building 1002 at Bullhead Junior High School.

Bullhead City Elementary, located 200 miles northwest of Phoenix along the Colorado River, has seven schools. Bullhead City Junior High School is comprised of five buildings constructed between 1972 and 1988, totaling 75,468 square feet. Building 1002 was built in 1984, totaling 9,042 square feet.

Staff visited the school site, inspected the roof and found it in need of repairs. The roof warranty had expired.

The district received a proposal for construction administration, and structural analysis in the amount of $2,000 and a construction estimate, inclusive of a ten year warranty, in the amount of $45,500.

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 – Bullhead City Elementary (Bullhead City JHS – roof repairs)
Staff recommends that Bullhead City Elementary be awarded $52,000 in Building Renewal Grant funding for roof restoration on Building 1002 at Bullhead City Junior High School. This includes $4,500 in contingency that will only be used with SFB staff approval.

Background – Bullhead City Elementary (Desert Valley ES - roof repairs)
Bullhead City Elementary has submitted a Building Renewal Grant request for roof repairs on classroom Building 1001 at Desert Valley Elementary School.

Bullhead City Elementary, located 200 miles northwest of Phoenix along the Colorado River, is comprised of seven schools. Desert Valley Elementary School has six buildings constructed between 1979 and 1985, totaling 74,312 square feet. Building 1001 was built in 1979, totaling 32,500 square feet.

Staff visited the school site, inspected the roof and found it in need of repairs. The roof warranty has expired.

The district received a proposal for construction administration, and structural analysis in the amount of $2,000 and a construction estimate, inclusive of a ten year warranty, in the amount of $22,500.

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 – Bullhead City Elementary (Desert Valley ES – roof repairs)
Staff recommends that Bullhead City Elementary be awarded $28,000 in Building Renewal Grant funding for roof repairs on Building 1001 at Desert Valley Elementary School. This includes $3,500 in contingency that will only be used with SFB staff approval.

Background – Cave Creek Unified (Desert Arroyo MS – replace fire alarm control panel)
Cave Creek Unified has submitted a Building Renewal Grant request for the replacement of the fire alarm control panel at Desert Arroyo Middle School.

Cave Creek Unified, located twenty miles north of downtown Phoenix, has nine schools. Desert Arroyo Middle School is comprised of nineteen buildings constructed between 1989 and 2000, totaling 110,260 square feet.

SFB staff visited the site and found the school under fire watch. The district has a record of many non-resettable issues and recent repairs to the fire system. At present, the panel is dead and the internal fault does not allow the panel to dial out for test.

The district received a proposal for the replacement of the fire alarm control panel (FACP) in the amount of $3,467.

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 (Desert Arroyo MS – replace fire alarm control panel)
Staff recommends that Cave Creek Unified be awarded $4,467 in Building Renewal Grant funding for replacement of the fire alarm control panel at Desert Arroyo Middle School. This includes $1,000 in contingency that will only be used with SFB staff approval.

Background – Colorado River Union (Mohave HS – replace water heater)
Colorado River Union has submitted a Building Renewal Grant request to replace a failed water heater and circulating pump in Building 1006 at Mohave High School.

Colorado River Union, located 220 miles northwest of Phoenix along the Colorado River, has two schools. Mohave High School is comprised of thirteen buildings constructed between 1969 and 2007, totaling 250,103 square feet. Building 1006 was built in 1972, totaling 21,702 square feet.

The district received a proposal to replace the 50-gallon electric water heater and circulating pump in the amount of $1,988.

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 (Mohave HS – replace water heater)
Staff recommends that Colorado River Union be awarded $2,488 in Building Renewal Grant funding to replace the water heater in Building 1006 at Mohave High School. This includes $500 in contingency that will only be used with SFB staff approval.

Background – Mayer Unified (Mayer ES – repair HVAC unit)
Mayer Unified has submitted a Building Renewal Grant request to repair a 4-ton HVAC unit on in Building 1007 at Mayer Elementary School.

Mayer Unified, located 73 miles north of Phoenix, has two schools. Mayer Elementary School is comprised of six buildings constructed between 1960 and 2005, totaling 64,514 square feet. Building 1007 was built 1964, totaling 25,118 square feet.

The district received proposals for the repair in the amount of $2,055.

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 – Mayer Unified (Mayer ES – repair HVAC unit)
Staff recommends that Mayer Unified be awarded $2,555 in Building Renewal Grant funding for repair of the HVAC unit on the computer classroom in Building 1007 at Mayer Elementary School. This includes $500 in contingency that will only be used with SFB staff approval.

Background – Saddle Mountain Unified (Tonopah HS – replace HVAC condensing unit) Request 1 of 3
Saddle Mountain Unified has submitted a Building Renewal Grant request for the repair of a HVAC unit in Building 1008 at Tonopah High School.

Saddle Mountain Unified, located 52 miles west of downtown Phoenix, has four schools. Tonopah High School is comprised of nine buildings constructed between 1982 and 2006, totaling 144,571 square feet. Building 1008 was built in 2006, totaling 35,014 square feet.

The district received a proposal for replacement of the condensing unit in the amount of $3,665.

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 HS – replace HVAC condensing unit)
Staff recommends that Saddle Mountain Unified be awarded $4,165 in Building Renewal Grant funding for replacement of a HVAC condensing unit in Building 1008 at Tonopah High School. This includes $500 in contingency that will only be used with SFB staff approval.

Background – Saddle Mountain Unified (Tonopah HS – repair HVAC unit) Request 2 of 3
Saddle Mountain Unified has submitted a Building Renewal Grant request for the repair of a HVAC unit in Building 1005 at Tonopah High School.

Saddle Mountain Unified, located 52 miles west of downtown Phoenix, has four schools. Tonopah High School is comprised of nine buildings constructed between 1982 and 2006, totaling 144,571 square feet. Building 1005 was built in 2006, totaling 25,971 square feet.

The district received a proposal in the amount of $3,218 for the repair.

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Saddle Mountain Unified (Tonopah HS – repair HVAC unit)
Staff recommends that Saddle Mountain Unified be awarded $3,718 in Building Renewal Grant funding for repair of a HVAC unit in Building 1005 at Tonopah High School. This includes $500 in contingency that will only be used with SFB staff approval.

Background – Saddle Mountain Unified (Tonopah HS - repair HVAC unit) Request 3 of 3
Saddle Mountain Unified has submitted a Building Renewal Grant request to repair a HVAC unit on cafeteria Building 1006 at Tonopah High School.

Saddle Mountain Unified, located 52 miles west of downtown Phoenix, has four schools. Tonopah High School is comprised of nine buildings constructed between 1982 and 2006, totaling 144,571 square feet. Building 1006 was built in 2006, totaling 40,063 square feet.

The district received a proposal for the repair in the amount of $3,218.

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 HS – repair HVAC unit)
Staff recommends that Saddle Mountain Unified be awarded $3,718 in Building Renewal Grant funding for repair of a HVAC unit in the cafeteria Building 1006 at Tonopah High School. This includes $500 in contingency that will only be used with SFB staff approval.

Background – Scottsdale Unified (Cocopah MS - replace chiller power supply)
Scottsdale Unified has submitted a Building Renewal Grant request for the replacement of a low voltage power supply on the chiller that services all buildings at Cocopah Middle School.

Scottsdale Unified has 36 schools. Cocopah Middle School is comprised of twelve buildings constructed between 1989 and 2012, totaling 117,604 square feet.

The district installed the chiller approximately 3 years ago and the warranty period has expired. The district requested proposals for the replacement of the low voltage power supply; the lowest was $1,596.

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 (Cocopah MS - replace chiller power supply)
Staff recommends that Scottsdale Unified be awarded $2,000 in Building Renewal Grant funding for the replacement of the low voltage power supply for the chiller that services all buildings at Cocopah Middle School. This includes $404 in contingency that will only be used with SFB staff approval.

Background – Scottsdale Unified (Pueblo ES - replace 70-ton chiller compressor)
Scottsdale Unified has submitted a Building Renewal Grant request for the replacement of a 17 year old 70-ton chiller compressor on Building 1003 at Pueblo Elementary School.

Scottsdale Unified has 36 schools. Pueblo Elementary is comprised of eight buildings constructed between 1971 and 2002, totaling 76,261 square feet. Building 1003 was built in 1971, totaling 9,109 square feet.

The district received proposals for two options: repair/replacement of the compressor for $16,310 or total replacement of the chiller for $71,101. Staff recommends replacement of the compressor. An additional core charge of $5,600 may be needed if the core is unusable.

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 70-ton chiller compressor)
Staff recommends that Scottsdale Unified be awarded $23,910 in Building Renewal Grant funding for the replacement of a 70-ton chiller compressor on Building 1003 at Pueblo Elementary School. This includes $7,600 in contingency that will only be used with SFB staff approval.

Background – Tuba City Unified (Tuba City HS –roof replacement)
Tuba City Unified has submitted a Building Renewal Grant request for replacement of the roof on Building 1010 at Tuba City High School.

Tuba City Unified, located 220 miles north of Phoenix, has seven schools. Tuba City High School is comprised of nine buildings constructed between 1973 and 2001, totaling 260,075 square feet. Building 1010 was built in 2001, totaling 75,000 square feet.

SFB staff visited the site and found the single ply roof has failed. The district procured an architect to assess the roof condition and requested a proposal for the design/construction administration/construction cost.

The architect provided a proposal for the design/construction administration for $13,810 and an estimated construction cost of $414,906.

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 - Tuba City Unified (Tuba City HS –roof replacement)
Staff recommends that Tuba City Unified be awarded $470,716 in Building Renewal Grant funding to replace the roof on Building 1010 at Tuba City High School. This includes $42,000 in contingency that will only be used with SFB staff approval.

Background – Willcox Unified (Willcox HS – replace fire alarm system)
Willcox Unified has submitted a Building Renewal Grant request for the replacement of the failed fire alarm system at Willcox High School.

Willcox Unified, located 85 miles east of Tucson, has three schools. Willcox High School is comprised of twenty-one buildings constructed between 1955 and 2013, totaling 134,957 square feet.

SFB staff visited the site and found the school was under a fire watch. The district has a record of many false alarms, non-resettable trouble indicators, ground faults, and numerous repairs. The local fire department has the option to bill the district if false alarms continue. The fire department is requesting a solution.

The district received a proposal for construction administration in the amount of $1,500 and an estimated construction cost of $45,511.

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 – Willcox Unified (Willcox HS – replace fire alarm system)
Staff recommends that Willcox Unified be awarded $51,511 in Building Renewal Grant funding for replacement of the fire alarm system at Willcox High School. This includes $4,500 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 **Benson Unified** be awarded $172,500 in Building Renewal Grant funding to replace the evaporative coolers in the gymnasium Building 1004 at Benson High School. This includes $10,000 in contingency that will only be used with SFB staff approval.

2. Board approval of the staff recommendation that **Bullhead City Elementary** be awarded $52,000 in Building Renewal Grant funding for roof restoration on Building 1002 at Bullhead City Junior High School. This includes $4,500 in contingency that will only be used with SFB staff approval.

3. Board approval of the staff recommendation that **Bullhead City Elementary** be awarded $28,000 in Building Renewal Grant funding for roof repairs on Building 1001 at Desert Valley Elementary School. This includes $3,500 in contingency that will only be used with SFB staff approval.

4. Board approval of the staff recommendation that **Cave Creek Unified** be awarded $4,467 in Building Renewal Grant funding for replacement of the fire alarm control panel at Desert Arroyo Middle School. This includes $1,000 in contingency that will only be used with SFB staff approval.

5. Board approval of the staff recommendation that **Colorado River Union** be awarded $2,488 in Building Renewal Grant funding to replace the water heater in Building 1006 at Mohave High School. This includes $500 in contingency that will only be used with SFB staff approval.

6. Board approval of the staff recommendation that **Mayer Unified** be awarded $2,555 in Building Renewal Grant funding for repair of the HVAC unit on the computer classroom in Building 1007 at Mayer Elementary School. This includes $500 in contingency that will only be used with SFB staff approval.

7. Board approval of the staff recommendation that **Saddle Mountain Unified** be awarded $4,165 in Building Renewal Grant funding for replacement of a HVAC condensing unit in Building 1008 at Tonopah High School. This includes $500 in contingency that will only be used with SFB staff approval.

8. Board approval of the staff recommendation that **Saddle Mountain Unified** be awarded $3,718 in Building Renewal Grant funding for repair of a HVAC unit in Building 1005 at Tonopah High School. This includes $500 in contingency that will only be used with SFB staff approval.

9. Board approval of the staff recommendation that **Saddle Mountain Unified** be awarded $3,718 in Building Renewal Grant funding for repair of a HVAC unit in the cafeteria Building 1006 at Tonopah High School. This includes $500 in contingency that will only be used with SFB staff approval.

10. Board approval of the staff recommendation that **Scottsdale Unified** be awarded $2,000 in Building Renewal Grant funding for the replacement of the low voltage power supply for the chiller that services all buildings at Cocopah Middle School. This includes $404 in contingency that will only be used with SFB staff approval.

11. Board approval of the staff recommendation that **Scottsdale Unified** be awarded $23,910 in Building Renewal Grant funding for the replacement of a 70-ton chiller compressor on Building 1003 at Pueblo Elementary School. This includes $7,600 in contingency that will only be used with SFB staff approval.

12. Board approval of the staff recommendation that **Tuba City Unified** be awarded $470,716 in Building Renewal Grant funding to replace the roof on Building 1010 at Tuba City High School. This includes $42,000 in contingency that will only be used with SFB staff approval.

13. Board approval of the staff recommendation that **Willcox Unified** be awarded $51,511 in Building Renewal Grant funding for replacement of the fire alarm system at Willcox High School. This includes $4,500 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: **Benson Unified**
Project Number: **020209201-1004-001BRG** Cochise County
Project Description: **Replace evaporative coolers with A/C system**
Architect of Record: Building Energy Solutions Provider (602-377-2679)
Contractor: TBD

Board approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost		**$ 140,000**
Contingency ①		**$ 10,000**
Architecture / Engineering (A&E) Fees		$ 22,500
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		**$ 22,500**
Total SFB Funded Project Cost:		**$ 172,500**
District Share (Local Funds):		$ -
SFB Board Approved Amount:		**$ 172,500**
Total Project Cost:		**$ 172,500**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: 1/19/2015 2:40:48 PM **Application ID:** 1757
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: Benson Unified District

Superintendent: Micah Mortensen

Contact Person: Shawn McCartha

Contact Phone Number: 520-720-6739

Contact Email: smccartha@bensonsd.k12.az.us

School Site: Benson High School

Buildings: 1004 New Gym

Application Title: HVAC Upgrade at Benson High New Gymnasium

Description of Problem

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

The new gymnasium at Benson High School built in 1990 is approximately 13,000 square feet with an approximately twenty-five (25) feet high ceiling. The gymnasium space is currently being served by three (3) Aspen Evaporative Coolers (side discharge) with a cooling capacity of approximately 10,000 cfm each, and four (4) hanging reznor heaters with a heating capacity of 200 MBH output each. The coolers were installed in 1990, and are twenty-five (25) years old. The coolers are directly fed into a space without proper distribution of air through any ductwork/diffusers. The air is relieved through exhaust fan.

The district asked BESP to assess the heating/cooling system at the gymnasium. BESP noted a number of deficiencies as listed below:

1.The existing cooling system has passed its useful life, and is inadequate to provide optimum to the space. This can explain the frequent complaint of inadequate cooling/heating by the occupants.
2.The air from the coolers directly feed into the space without properly distributing air into the space.
3.The high humidity produced by the coolers results in cupping of the gymnasium wooden floor.

Based on BESP's evaluation, the district is requesting funds to replace existing coolers with air-conditioning units to satisfy cooling load, and avoid wooden floor cupping.

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

Building Renewal Grant Application

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

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

Building Energy Solutions Provider

January 19, 2015

Mr. Shawn MaCartha
Maintenance/Transportation Director
Benson Unified School District
360 S. Patagonia St.
Benson, AZ 85602

Ref: Assessment of Heating & Cooling System at Benson High School New Gymnasium Bldg. # 1004

Dear Mr. MaCartha,

Per district's request, BESP assessed a heating/cooling system at Benson High Gymnasium on Monday, November 10, 2014. It is noted that the new gymnasium built in 1990 is approximately 13,000 square feet with around twenty-five (25) feet high ceiling. The gymnasium space is currently being served by three (3) Aspen Evaporative Coolers (side discharge) with a cooling capacity of approximately 10,000 cfm each, and four (4) hanging reznor heaters with a heating capacity of 200 MBH output each. The coolers were installed in 1990, and are twenty-five (25) years old. The evaporative coolers are directly fed into a space without proper distribution of air through any ductwork/diffusers. The air is relieved from the space through an exhaust fan.

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

1. The existing cooling system has passed its useful life, and is inadequate to provide optimum cooling to the space. This can explain the frequent complaint of inadequate cooling by the occupants.
2. The air from the coolers directly feed into the gymnasium space without proper distribution.
3. The high humidity produced by the coolers results in cupping of the gymnasium wooden floor.

Per our evaluation, cooling system in the gymnasium needs to be upgraded. In addition to it, a proper air distribution system needs to be designed and installed to uniformly distribute air throughout the space.

To avoid high humidity and moisture in the gymnasium space, BESP recommends to replace existing coolers with air-conditioning units. Per our evaluation, the gymnasium has a cooling load of approximately forty-five (45) tonnage.

A design and installation cost to replace the evaporative coolers at Benson High New Gymnasium is estimated as following:

Scope: Replace existing evaporative coolers with air-conditioning units; add air distribution system with new ductwork, diffusers and return grills.

1) Design Services Fee - $22,500

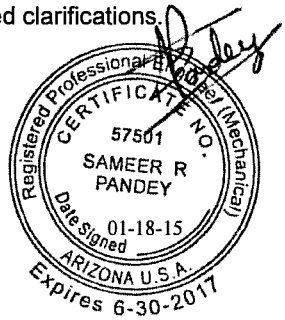
   a. Design & Documentation
      i. Design/Load calculation/Specifications for new air-conditioning units
      ii. Design air distribution system
      iii. Perform structural analysis by a certified structural engineer
      iv. Produce construction documents
      v. Prepare and review bid documents

   b. Construction Administration
      i. Submittal review
      ii. Site visits/meeting
      iii. Installation verification
      iv. Close-out documentation review

2) Estimated construction/Installation Cost - $140,000

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

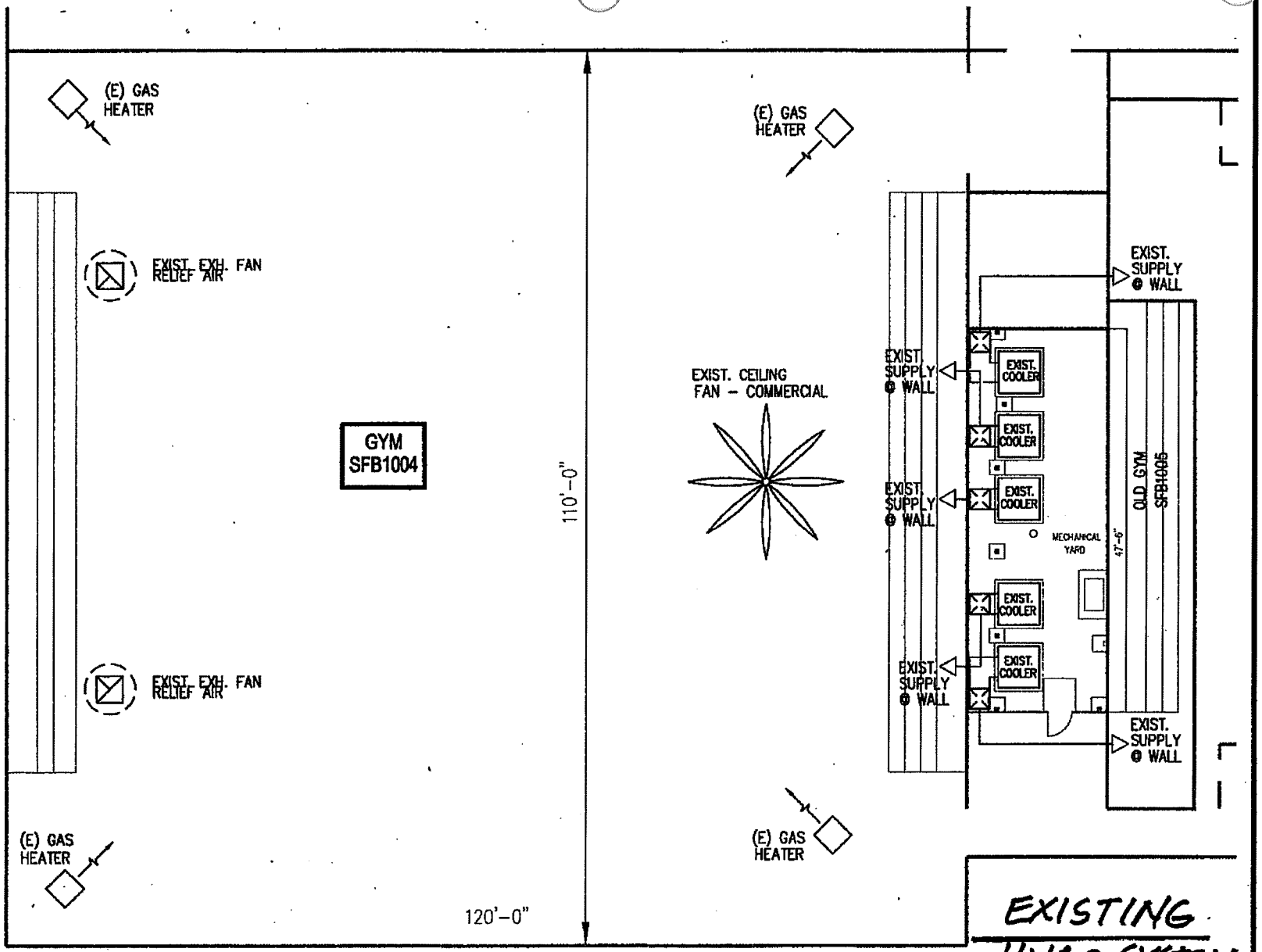
Sincerely,



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

Attachment:

1. Existing Layout-Benson High New Gym



EXISTING HVAC SYSTEM

Building Energy Solutions Provider

PROJECT: BENSON USD DISTRICT # 9
BENSON - ARIZONA

DATE: JAN-18-2015

SCOPE: GYM SFB-1004 & GYM SFB-1005
HVAC UPGRADES

DWG: SK-Exist

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Bullhead City Elementary**
BRG Project Number: **080415130-1002-016BRG** Mohave County
Project Description: **Roof repairs**
Architect of Record: Ludwig Engineering (928-768-1857)
Contractor: Progressive Roofing (520-399-8358)

Board Approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost		**$ 45,500**
Contingency ①		**$ 4,500**
Architecture / Engineering (A&E) Fees		$ 2,000
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		**$ 2,000**
Total SFB Funded Project Cost:		**$ 52,000**
District Share (Local Funds):		$ -
SFB Board Approved Amount:		**$ 52,000**
Total Project Cost:		**$ 52,000**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: 10/23/2014 3:40:01 PM **Application ID:** 1623

Resubmittal Date:

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

District Name: Bullhead City Elementary District

Superintendent: Riley Frie

Contact Person: John Wawrzynek

Contact Phone Number: 928-444-7529

Contact Email: jwawrzynek@bullheadschools.com

School Site: Bullhead City Jr High School

Buildings: 1002 ~~1005~~ ~~A5000~~

Application Title: Roofing Repairs

Description of Problem

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

During the monsoon season we had numerous roof leaks. Repairs or replacement is badly needed.

Project Category: Roofing

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

Available Funding

Amount of Local funds planned for this project	$0.00

Please outline any associated insurance coverage.

N/A

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

Riley Frie
Superintendent Printed Name

Superintendent Signature

10/24/14
Date

Ludwig Engineering ASSOCIATES, INC.
Civil Engineering • Surveying • Planning

California
109 E. 3rd St.
San Bernardino, CA 92410
Ph. 909-884-8217
Fax 909-889-0153
Toll Free 800-879-1282
www.ludwigeng.com

15252 Seneca Rd.
Victorville, CA 92392
Ph. 760-951-7676
Fax 760-241-0573

Arizona
5890 Highway 95, Ste. B
Fort Mohave, AZ 86426
Ph. 928-768-1857
Fax 928-768-7086

2126 McCulloch Blvd., Ste. 8
Lake Havasu City, AZ 86403
Ph. 928-680-6060
Fax 928-854-6530

Client:
BULLHEAD CITY SCHOOL DISTRICT #15
ATTN JOHN WAWRZYNEK AND DAVID KENNON
1062 HANCOCK, BULLHEAD CITY, AZ 86442
928-758-3961
Phone Fax

Engineering Contract & Arizona Preliminary Twenty-Day Lien Notice

Date Order Recd: 09/26/14
Job No. BU-0306.AZ

Description of Work Ordered With Legal Description of Property:

BULLHEAD CITY ELEMENTARY SCHOOL:

1) ASSESS AND COMMUNICATE WITH ROOFING CONTRACTORS TO DETERMINE CORRECTION NEEDED.

Note: The above represents the scope of work to be performed. If any of the information shown herein is not in accordance with your instructions, please advise us immediately in order to avoid possible errors or misunderstanding. Schedule A – Standard Provisions of Agreement attached is part of this contract.

Property Owner & Address: BHC ELEMENTARY SCHOOL#15, 1062 HANCOCK ROAD, BULLHEAD CITY, AZ 86442
Lender & Address:
Person/Entity Ordering Work: DAVID KENNON
Charges: FIXED FEE $2,000.00 CLIENT TO PAY ALL APPLICABLE FEES

Note to Property Owners:
If bills are not paid in full for the labor, professional services, materials, machinery, fixtures, or tools furnished, or to be furnished, a Mechanic's Lien leading to the loss, through court foreclosure proceedings, of all or part of your property being improved may be placed against the property. You may wish to protect yourself against this consequence by either:
1. Requiring your contractor to furnish a Conditional Waiver and Release pursuant to Arizona Revised Statutes Section 33-1008, Subsection D, Paragraphs 1 and 3 signed by the person or firm giving you this notice before you make payment to your contractor.
2. Requiring your contractor to furnish an Unconditional Waiver and Release pursuant to Arizona Revised Statutes Section 33-1008, Subsection D, Paragraphs 2 and 4 assigned by the person or firm giving you this notice after you make payment to your contractor.
3. Using any other method or device that is appropriate under the circumstances. Within 10 days of the receipt of this Preliminary Notice the Owner or other interested party is required to furnish all information necessary to correct any inaccuracies in the Notice pursuant to Arizona Revised Statutes Section 33-1003, Subsection 1 or lose as a defense any inaccuracy of that information. Within ten days of the receipt of this Preliminary Twenty Day Notice if any payment bond has been recorded in compliance with Arizona Revised Statutes Section 33-1003, the Owner must provide a copy of the payment bond including the name and address of the surety company and bonding agent providing the payment bond to the person who has given the preliminary Twenty Day Notice, in the event that the owner or other interested party fails to provide the information within that ten-day period, the claimant shall retain lien rights to the extent precluded or prejudiced from asserting a claim against the bond as a result of not timely receiving the bond information.

The above represents the scope of work to be performed. If any of the information shown hereon is not in accordance with your instructions, please advise us immediately in order to avoid possible errors or misunderstanding.

Signature of Ludwig Engineering Associates, Inc. Representative

Signature of Authorizing Person

MEHDI AZARMI
Printed Name of Ludwig Engineering Associates, Inc. Representative

Printed Name of Authoring Person

PROJECT MANAGER 09/26/14
Title Date Signed

Title Date Signed

PROGRESSIVE ROOFING

MEMBER NATIONAL ROOFING CONTRACTORS ASSOCIATIONS

Date: January 26, 2015

To: Bullhead City Elementary School District
1004 Hancock Road
Bullhead City, AZ 86442

Location: Bullhead City Junior High - "700" bldg (12,207 sf including walls)
Restore roof and provide 10 NDL (extendable to 15 years)

Budget: $45,500.00

SOW: Clean, prepare and pressure wash roof surface
Repair and detail all cuts, penetrations, curbs and defects with APOC 264
Install a basesheet under HVAC unit prior to coatings being applied
Apply base coat APOC 300 emulsion with embedded fabric in waterways
Apply base coat APOC 300 emulsion at rate of 4 gal per 100 sf
Embed polyester fabric in base coat
Apply saturation coat of white APOC 252 at rate of 1.5 gal per 100 sf
Apply weather coat of white APOC 252 at rate of 1.5 gal per 100 sf

Note: Budget amounts include taxes, warranty fees, mileage, bonds and per diem.
The budget does not allow for repair of defects revealed during the work process.
Budget amounts do not allow for engineering costs if required.

Bullhead City Jr. Hi

Don Russell [Don.Russell@progressiveus.com]
Sent: Monday, January 26, 2015 10:24 AM
To: David Kennon

David,

I went back and calculated the dimensions. Here is the breakdown for the junior high:

Main roof (145' x 60') 8,700 sf
Adjacent roofs (total of 161' x 12') 1,932 sf
Base flashing (walls 838' x 1.5') 1,257 sf

Total is 11,889 sf (118.89 sqs)

The curbs for the HVAC, etc make up the 3.77 sqs difference.

Please check my work to make sure I didn't miss figure my dimensions. Thanks for the help.

Don

Don Russell
PROGRESSIVE ROOFING
520-399-8358 (direct line)
520-744-3770 (fax)
520-979-2081 (cell)
4222 W Jeremy Pl Tucson, AZ 85741
don.russell@progressiveus.com

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Bullhead City Elementary**
BRG Project Number: **080415105-1001-017BRG** Mohave County
Project Description: **Roof repairs**
Architect of Record: Ludwig Engineering (928-768-1857)
Contractor: Progressive Roofing (520-399-8358)

Board Approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost		**$ 22,500**
Contingency ①		**$ 3,500**
Architecture / Engineering (A&E) Fees		$ 2,000
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		**$ 2,000**
Total SFB Funded Project Cost:		**$ 28,000**
District Share (Local Funds):		$ -
SFB Board Approved Amount:		**$ 28,000**
Total Project Cost:		**$ 28,000**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: 10/23/2014 3:42:23 PM **Application ID:** 1624

Resubmittal Date:

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

District Name: Bullhead City Elementary District

Superintendent: Riley Frie

Contact Person: John Wawrzynek

Contact Phone Number: 928-444-7529

Contact Email: jwawrzynek@bullheadschools.com

School Site: Desert Valley Elementary

Buildings: 1001 A1000

Application Title: Roofing Repairs

Description of Problem

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

During the monsoon season we had numerous roof leaks. Repairs or replacement is badly needed.

Project Category: Roofing

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

Available Funding

Amount of Local funds planned for this project	$0.00

Please outline any associated insurance coverage.

N/A

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

Superintendent Printed Name

Superintendent Signature Date

Ludwig Engineering ASSOCIATES, INC.
Civil Engineering • Surveying • Planning

California
109 E. 3rd St.
San Bernardino, CA 92410
Ph. 909-884-8217
Fax 909-889-0153
Toll Free 800-879-1282
www.ludwigeng.com

15252 Seneca Rd.
Victorville, CA 92392
Ph. 760-951-7676
Fax 760-241-0573

Arizona
5890 Highway 95, Ste. B
Fort Mohave, AZ 86426
Ph. 928-768-1857
Fax 928-768-7086

2126 McCulloch Blvd., Ste. 8
Lake Havasu City, AZ 86403
Ph. 928-680-6060
Fax 928-854-6530

Client:
BULLHEAD CITY SCHOOL DISTRICT #15
ATTN JOHN WAWRZYNEK AND DAVID KENNON
1062 HANCOCK, BULLHEAD CITY, AZ 86442
928-758-3961
Phone Fax

Engineering Contract & Arizona Preliminary Twenty-Day Lien Notice

Date Order Recd: 09/26/14
Job No. BU-0306.AZ

Description of Work Ordered With Legal Description of Property:

BULLHEAD CITY ELEMENTARY SCHOOL:

1) ASSESS AND COMMUNICATE WITH ROOFING CONTRACTORS TO DETERMINE CORRECTION NEEDED.

Note: The above represents the scope of work to be performed. If any of the information shown herein is not in accordance with your instructions, please advise us immediately in order to avoid possible errors or misunderstanding. Schedule A – Standard Provisions of Agreement attached is part of this contract.

Property Owner & Address: BHC ELEMENTARY SCHOOL#15, 1062 HANCOCK ROAD, BULLHEAD CITY, AZ 86442
Lender & Address:
Person/Entity Ordering Work: DAVID KENNON
Charges: FIXED FEE $2,000.00 CLIENT TO PAY ALL APPLICABLE FEES

Note to Property Owners:
If bills are not paid in full for the labor, professional services, materials, machinery, fixtures, or tools furnished, or to be furnished, a Mechanic's Lien leading to the loss, through court foreclosure proceedings, of all or part of your property being improved may be placed against the property. You may wish to protect yourself against this consequence by either:
1. Requiring your contractor to furnish a Conditional Waiver and Release pursuant to Arizona Revised Statutes Section 33-1008, Subsection D, Paragraphs 1 and 3 signed by the person or firm giving you this notice before you make payment to your contractor.
2. Requiring your contractor to furnish an Unconditional Waiver and Release pursuant to Arizona Revised Statutes Section 33-1008, Subsection D, Paragraphs 2 and 4 assigned by the person or firm giving you this notice after you make payment to your contractor.
3. Using any other method or device that is appropriate under the circumstances. Within 10 days of the receipt of this Preliminary Notice the Owner or other interested party is required to furnish all information necessary to correct any inaccuracies in the Notice pursuant to Arizona Revised Statutes Section 33-1003, Subsection 1 or lose as a defense any inaccuracy of that information. Within ten days of the receipt of this Preliminary Twenty Day Notice if any payment bond has been recorded in compliance with Arizona Revised Statutes Section 33-1003, the Owner must provide a copy of the payment bond including the name and address of the surety company and bonding agent providing the payment bond to the person who has given the preliminary Twenty Day Notice, in the event that the owner or other interested party fails to provide the information within that ten-day period, the claimant shall retain lien rights to the extent precluded or prejudiced from asserting a claim against the bond as a result of not timely receiving the bond information.

The above represents the scope of work to be performed. If any of the information shown hereon is not in accordance with your instructions, please advise us immediately in order to avoid possible errors or misunderstanding.

Signature of Ludwig Engineering Associates, Inc. Representative	Signature of Authorizing Person
MEHDI AZARMI	
Printed Name of Ludwig Engineering Associates, Inc. Representative	Printed Name of Authoring Person
PROJECT MANAGER 09/26/14	
Title Date Signed	Title Date Signed

PROGRESSIVE ROOFING

MEMBER NATIONAL ROOFING CONTRACTORS ASSOCIATIONS

Date: January 26, 2015

To: Bullhead City Elementary School District
1004 Hancock Road
Bullhead City, AZ 86442

Location: Desert Valley Elementary - Boiler room (1,162 sf including walls)
Restore roof and provide 10 year NDL (extendable to 15 years)

Budget: $8,000.00

SOW:
Clean, prepare and pressure wash roof surface
Repair and detail all cuts, penetrations, curbs and defects with APOC 264
Install a basesheet under HVAC unit prior to coatings being applied
Apply base coat APOC 300 emulsion with embedded fabric in waterways
Apply base coat APOC 300 emulsion at rate of 4 gal per 100 sf
Embed polyester fabric in base coat
Apply saturation coat of white APOC 252 at rate of 1.5 gal per 100 sf
Apply weather coat of white APOC 252 at rate of 1.5 gal per 100 sf

Location: Desert Valley Elementary - Kitchen and leaks over offices (4,400 sf including walls)
Clean, repair and coat

Budget: $14,500.00

SOW:
Broom clean and remove debris
Power wash area to be coated
Repair and detail abnormalities, curbs, flashings and suspected areas that are leaking using APOC 264
Set polyester fabric in APOC 300 in any valleys/waterways
Apply base coat of APOC 247 at a rate of 1.25 gal per 100 SF
Apply top coat of APOC 247 at a rate of 1.25 gal per 100 SF

Note: Budget amounts include taxes, warranty fees, mileage, bonds and per diem.
The budget does not allow for repair of defects revealed during the work process.
Budget amounts do not allow for engineering costs if required.

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Cave Creek Unified**
BRG Project Number: **070293103-9999-007BRG** Maricopa County
Project Description: **Replace fire alarm control panel**
Consultant: n/a
Contractor: FSEC (602-564-7770)

Board approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost:		**$ 3,467**
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:		**$ 4,467**
District or Local Funds:		$ -
SFB Board Approved Amount:		**$ 4,467**
Total Project Cost:		**$ 4,467**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: 1/22/2015 2:38:17 PM **Application ID:** 1785

Resubmittal Date:

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

District Name: Cave Creek Unified District

Superintendent: Dr. Debbi Burdick

Contact Person: John Muir

Contact Phone Number: 480.575.2050

Contact Email: jmuir@ccusd93.org

School Site: Desert Arroyo Middle School

Buildings: 9999 School Wide

Application Title: FACP 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 Alarm Control Panel ("FACP") located at Desert Arroyo Middle School ("DAMS") has an internal fault and does not work. The panel is dead and the internal fault does not allow the panel to dial out for test. The panel is showing green (normal) while troubles appear on the screen. This is indication of an internal ground which requires FACP replacement. The FACP not working puts the school into an emergency situation since it threatens the preservation and protection of public property, public health, welfare and safety.

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.

none

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

Superintendent Printed Name

FSEC

Fire Security Electronics & Communications, Inc.

17621 North 25th. Avenue • Phoenix, Arizona 85023 • Phone (602) 564-7770 • FAX (602) 564-7776
2015 W. Ruthrauff Rd. Suite 143 • Tucson, Arizona 85705 • Phone (520) 505-4171• FAX (520) 989-0438
www.fsec.net • email: sales@fsec.net • ROC# 086767 L-67, 272085 L-16

Proposal

January 14, 2015

Mohave Contract No. 13A-FIRE-0529

ES FACP Replacement

Desert Arroyo MS — FACP Replacement

Fire Security Electronics & Communications, Inc. proposes to furnish:

1 ea.	FACP Replacement as per the material list on page 2 of this proposal.	**$3,287.65**

Sales Tax (Total Materials times Retail Tax Rate	**$178.43**
Total Purchase Order Price:	**$3,466.08**

The following equipment and installation labor shall be provided by Fire Security Electronics & Communications, Inc.:

1) Supply, Replacement and Programming of Damaged and Defective FACP head end equipment.
5) All labor to setup and test 10% of the systems for proper operation.

The following items are excluded from this proposal:

1) Any bonds or permit fees, the permit fees listed on this proposal is an estimate only and is not included in the purchase order price.

Special Conditions:

1) This proposal is based on information provided by FSEC Service Tech.
2) Upon plan review by the AHJ, any additional equipment required by the AHJ will be quoted separately from this proposal and will be considered a change order.
3) It is assumed that adequate underground pathways exist between buildings. Any repair or new installation of underground conduit is excluded from this proposal and is the responsibility of the school district.
4) The above pricing is based on the attached Terms & Conditions. Any modifications to those Terms & Conditions must be in writing, accepted by an Officer of FSEC, and may increase the price accordingly.

Due to changes in the Sales Tax Laws Effective January 1st 2015, the actual sales taxes charged may be different than quoted above.

This proposal references MESC Price List: fire full price update 051414.xlsx

SEE ATTACHED TERMS & CONDITIONS

Do not accept without reading all pages.

Proposed By: Bill Thomas
SERVICE MANAGER

Date: 01/14/2015

Accepted By: _____

Date: _____

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Colorado River Union**
BRG Project Number: **080502001-9999-020BRG** Mohave County
Project Description: **Replace water heater**
Architect of Record: n/a
Contractor: Marco's M.A.M. Plumbing and Repair (928-763-8270)

Board approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost		**$ 1,988**
Contingency ①		**$ 500**
Architecture / Engineering (A&E)		$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		**$ -**
Total SFB Funded Project Cost:		**$ 2,488**
District Share (Local Funds):		$ -
SFB Board Approved Amount:		**$ 2,488**
Total Project Cost:		**$ 2,488**

① Contingency shall only be used with SFB staff approval

School Facilities Board
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: 1/15/2015 5:01:04 PM **Application ID:** 1754
Resubmittal Date:

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

District Name: Colorado River Union High School District
Superintendent: Riley Frie
Contact Person: John Wawrzynek
Contact Phone Number: 9284447529
Contact Email: jwawrzynek@bullheadschools.com
School Site: Mohave High School
Buildings: 1006 H

Application Title: Water Heater

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

Hot Water heater is leaking and recirculating pump shorted out. See attached Quote for repairs.

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

Marco's M.A.M. Plumbing & Repair

4060 Infantry
Fort Mojave, AZ 86426

AZ Registrar of Contractors
#154491 License: K37

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

QUOTATION

Quote Number: 193
Quote Date: Jan 8, 2015
Page: 1

Quoted To:

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

Customer ID	Good Thru	Payment Terms	Job Address
CRUHS	2/7/15	Net 30 Days	Address Above

Quantity	Description	Unit Price	Amount
1.00	QUOTE TO INSTALL 50 GALLON ELECTRIC WATER HEATER; INCLUDING RECIRCULATING PUMP, VALVES, FLEXES AND CORRODED FITTINGS AS NEEDED MATERIAL AND LABOR	1,880.00	1,880.00

Subtotal	1,880.00
Sales Tax	107.78
TOTAL	1,987.78

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Mayer Unified**
BRG Project Number: **130243101-1007-007BRG** Yavapai County
Project Description: **Repair HVAC unit**
Architect of Record: n/a
Contractor: Moyer's Heating & Cooling, Inc. (928-772-4346)

Board Approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost		**$ 2,055**
Contingency ①		**$ 500**
Architecture / Engineering (A&E)		$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		$ -
Total SFB Funded Project Cost:		**$ 2,555**
District Share (Local Funds):		$ -
SFB Board Approved Amount:		**$ 2,555**
Total Project Cost:		**$ 2,555**

① Contingency shall only be used with SFB staff approval

School Facilities Board
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: 1/12/2015 10:41:36 AM **Application ID:** 1751

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: Mayer Unified District

Superintendent: Dean Slaga

Contact Person: Robert Kennedy

Contact Phone Number: 928-830-3179

Contact Email: Robert.Kennedy@mayerschools.org

School Site: Mayer Elementary School

Buildings: 1007 Gym, Kitchen, Cafeteria,

Application Title: Jr High Computer Classroom

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.

Jr High Computer Classroom has no heat. The classroom unit needs new motors and a new circuit board @ $2,054.29. Mayer USD has selected Moyer's Heating and Cooling for HVAC repairs and complies with procurement requirements.

Project Category: HVAC

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

Available Funding

Amount of Local funds planned for this project	$0.00

Please outline any associated insurance coverage.

The school district has already allocated its M&O and capital funds for other priorities. District grant funds are restricted by grant requirements. We will check with our insurance but do not expect this loss to be covered.

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

Superintendent Printed Name

MOYER'S HEATING & COOLING, INC.
8146 Ashley Drive
Prescott Valley, Arizona 86314
(928) 772-4346
ROC# 137374

For: Mayer Schools, ATTN; Robert Kennedy
Located at; 12606 E. Main St, Mayer AZ 86333
PH# 928-642-1201 FAX: 928-632-4005
Moyer's Heating & Cooling Representative: Ragen P. Hamilton

Proposal Date: 01/21/2015

Upon Inspection of Trane Package Heat Pump Model# WSCO48E3R0A050000 Ser# 6331016671, it was discovered that the Defrost Control Board is shorted, and the Outdoor Fan Motor has open windings, upon supplying control voltage to the defrost board the board is unresponsive and it is not certain if it is the high or low side of the board that is defective, most probably both are defective due to a shorted control relay mounted on the board. As noted the outdoor motor also has open windings. Also noted during the inspection was the Indoor motor has bad bearings, while the motor is running the bearing noise is excessive, and the motor was pulling 6.4 of 5.o Amps. It is strongly suggested that indoor motor be replaced while performing other required repairs. Findings are noted on Moyers Service Ticket # 245472, and a copy is attached.

Proposed work to be completed during regular business hours: **Approximate time to complete Installation is 12 Hours.**

Option # 1 Installation Date(s):_____ /_____ _____ Customer Initials
Make: Trane Ton: 4 SEER: Type: 3 Phase HP
Specifics: Repair Blower, Outdoor Motors and Replace Defrost Circuit Board. All Parts Warranty for 1 Year.

$00,000.00 Standard Price	$ 2,054.29 Cash Discount Price
$ -000.00 APS Rebates	$ -000.00 APS Rebates
$-0,000.00 Carrier Cool Cash	$-0,000.00 Carrier Cool Cash
$00,000.00	$ 2,054.29
Deposit: $00,000.00	**Deposit: $00,000.00**
Balance: $00,000.00	**Balance: $2,054.29**

Equipment Item# :
Accessory: MSCR2140045//MSCR3360045//MSCR1720090
Warranty: 1 year parts

AZ Statute; 32-1155. Filing of complaint; resolution of complaint; service of notice; failure to answer; prohibited citations A. On the filing of a written complaint with the registrar charging a licensee with the commission, within two years before the date of filing the complaint, of an act that is cause for suspension or revocation of a license, the registrar after investigation, in its sole discretion, may issue a citation directing the licensee, within ten days after service of the citation on the licensee, to appear by filing with the registrar the licensee's written answer to the citation and complaint showing cause, if any, why the licensee's license should not be suspended or revoked. Service of citation on the licensee shall be fully effected by personal service or by mailing a true copy thereof, together with a true copy of the complaint, by registered mail in a sealed envelope with postage prepaid and addressed to the licensee at the licensee's latest address of record in the registrar's office. Service of the citation and complaint shall be complete at the time of personal service or five days after deposit in the mail. The two-year period prescribed by this subsection shall commence on the earlier of the close of escrow or actual occupancy for new home or other new building construction and otherwise shall commence on completion of the specific project. B. Failure of the licensee to answer within ten days after service shall be deemed an admission by the licensee of the licensee's commission of the act or acts charged in the complaint, and the registrar may then suspend or revoke the licensee's license. C. The registrar shall not issue a citation for failure to perform work in a professional and workmanlike manner or in accordance with any applicable building codes and professional industry standards if either: 1. The contractor is not provided an opportunity to inspect the work within fifteen days after receiving a written notice from the registrar. 2. The contractor's work has been subject to neglect, modification or abnormal use. D. Notwithstanding subsection C of this section, the registrar may investigate the complaint without waiting fifteen days

AZ Statute; 32-1154(A). The Owner has the right to contact the Arizona Registrar of Contractors if they believe that the Contractor is not compliant to the Statute 32-1154(A)_All ROC offices are open Monday-Friday 8:00 AM - 5:00 PM

A toll free outside Maricopa County (within Arizona only) telephone number is available to connect directly to the main office in Phoenix.1-877-MY AZROC *(1-877-692-9762)*

Total Accepted Value of this Contract;

Option(s) Selected:_____

$_____ **(total of Selected Option)**

$_____ **Grand Total of Contract Value**

Deposit: $_____

Balance: $_____

Terms and Conditions:

All work shall be completed in a professional and workman like manner. Moyer's Heating & Cooling will schedule the installation once we receive a signed contract for the above stated work. 50% Deposit required to order materials and complete installation, Balance due upon Completion. Failure to Pay balance at completion of work will result in a mechanic's lien being place on the structure, and late charges being assessed as afforded by AZ Law.

33-981. Lien for labor; professional services or materials used in construction, alteration or repair of structures; preliminary twenty day notice; exceptions A. Except as provided in sections 33-1002 and 33-1003, every person who labors or furnishes professional services, materials, machinery, fixtures or tools in the construction, alteration or repair of any building, or other structure or improvement, shall have a lien on such building, structure or improvement for the work or labor done or professional services, materials, machinery, fixtures or tools furnished, whether the work was done or the articles were furnished at the instance of the owner of the building, structure or improvement, or his agent. B. Every contractor, subcontractor, architect, builder or other person having charge or control of the construction, alteration or repair, either wholly or in part, of any building, structure or improvement is the agent of the owner for the purposes of this article, and the owner shall be liable for the reasonable value of labor or materials furnished to his agent. C. A person who is required to be licensed as a contractor but who does not hold a valid license as such contractor issued pursuant to title 32, chapter 10 shall not have the lien rights provided for in this section. D. A person required to give preliminary twenty day notice pursuant to section 33-992.01 is entitled to enforce the lien rights provided for in this section only if he has given such notice and has made proof of service pursuant to section 33-992.02. E. A person who furnishes professional services but who does not hold a valid certificate of registration issued pursuant to title 32, chapter 1 shall not have the lien rights provided for in this section. F. A person who furnishes professional services is entitled to enforce the lien rights provided for in this section only if such person has an agreement with the owner of the property or with an architect, an engineer or a contractor who has an agreement with the owner of the property.

A late charge of 20% of the outstanding balance owed will be assessed on accounts left unpaid for 15 days of completion of work.

ACCEPTED AND APPROVED:

_____ / _____

Owner / Authorized Representative Contract Date

COMPANY APPROVAL:

_____

Moyer's Heating & Cooling
Authorized Signature

Carrier
turn to the experts

*This bid amount is good for 30 days from bid date.

Right of Cancelation by this Date after Signing _____ (3 Business Days)

245472

CHECK LIST

Outdoor Temp — Indoor Temp — Indoor W/B — Ref Type —

Suction PSIG — Head PSIG — Compressor Amps — of —

CFM Amps 2.9 of 2.5 Blower Amps 6.4 of 5.0 Induct Motor Amps ___ of —

Compressor Run Cap — of — CFM Run Cap ___ of ___

Blower Run Cap — of ___ Age of Unit ___ R/R Sheet ☐

QTY	ITEM OR PART DESCRIPTION	PRICE	AMOUNT
		TASK TOTALS	

DATE	TECHNICIAN	START	STOP	Reg/Pf	O/T
12-21-14	Dustin	12:30	1:30	1	

MOYER'S HEATING & COOLING INC.
QUALITY · INNOVATION · HONESTY · INTEGRITY

8146 E. Ashley Dr.
Prescott Valley, AZ 86314
Quad Cities (928) 772-4346
Sedona/Verde Valley (928) 282-2659

DATE:
DATE ORDERED:
DATE SCHEDULED:
MAKE Trane
MODEL WSC048E3R0A05000
SERIAL # 6331016672L
PHONE:
ALT PHONE:

Name: Mayer Elementry School ☐ NEW ☐ PM ☐ OT
Address:
City/State/Zip: Mayer
Job Location:

DESCRIPTION OF SERVICE WORK	AMOUNT
On arrival jumpered system at roof for heat. On start up sequence blower motor made very loud metal to metal grinding noise which indicates bearings in motor are going bad. Check blower motor amp draw found 6.4 of 5.0. On further review found system to be stuck in defrost mode. Reset system to test defrost cycle unable to bring unit out of defrost / relay on defrost control board has failed. Also tested condensor fan motor for operation by supplying direct voltage to motor but motor would not operate. Checked 10 mfd run cap reading 9.96. Recommend replacing defrost control board, indoor blower motor & condensor fan motor.	

Technician: Dustin Thorn NATE Cert No.

I HEREBY AUTHORIZE THE ABOVE WORK TO BE DONE AS ORDERED AND OUTLINED ABOVE. IT IS AGREED THAT THE SELLER WILL RETAIN TITLE TO ANY EQUIPMENT OR MATERIAL FURNISHED UNTIL COMPLETE PAYMENT HAS BEEN MADE. IF SETTLEMENT IS NOT MADE AS AGREED, SELLER HAS THE RIGHT TO REMOVE EQUIPMENT & MATERIAL WITHOUT BEING HELD RESPONSIBLE FOR ANY DAMAGES RESULTING FROM REMOVAL OF EQUIP.

AUTHORIZED SIGNATURE

Total Task Charges	
Diagnostic Fee	
Insp. Charges	
Sub Total	
Tax	
Trip Charge	
PM Agreement	
TOTAL DUE	

○ Warr ○ Cont ○ PM ○ Res ○ Normal ○ Comm ○ ___

LABOR GUARANTY
The labor charge as recorded here relative to the equipment serviced as noted is guaranteed for a period of 30 days.

PARTS WARRANTY
All parts as recorded are warrantied as per manufactured specs. We do not guaranty other parts than those we install. If repairs later become necessary due to other defective parts, they will be charged separately.

REFRIGERANT

Useable? Yes ___ No ___ Refrig. ___ Qty ___ Recovered? Yes ___ No ___
Qty ___ Recycled: Yes ___ No ___ Reclaimed? Yes ___ No ___
Disposal ___ Returned to this system? Yes ___ No ___

ABOVE ORDERED WORK HAS BEEN COMPLETED AND I ACKNOWLDGE RECEIPT OF MY COPY.

X ______ DATE: ______

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Saddle Mountain Unified**
BRG Project Number: **070390002-1008-006BRG** Maricopa County
Project Description: **Replace HVAC condensing unit**
Consultant: n/a
Contractor: A Quality HVAC (623-853-1482)

Board approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost:		**$ 3,665**
Contingency ①		**$ 500**
Additional Cost:		
Architecture / Engineering (A&E) Fees		$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		**$ -**
Total SFB Funded Project Cost:		**$ 4,165**
District or Local Funds:		$ -
SFB Board Approved Amount:		**$ 4,165**
Total Project Cost:		**$ 4,165**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: 1/16/2015 7:05:22 AM **Application ID:** 1756

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: Dr. Mark Joraanstad

Contact Person: Angel Tellez

Contact Phone Number: 623-474-5600

Contact Email: angel.tellez

School Site: Tonopah Valley High School

Buildings: 1008 Bldg. 400

Application Title: smart lab 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.

No heating or cooling in the classroom. the compressor blew up and took out the condensing unit, this is a split system. Quote to follow.

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

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

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

Tonopah Valley High School
38201 W Indian School
Tonopah AZ 85354
01-14-2015
*Smart Lab unit

The following is a proposal to replace the "Smart Lab" condensing unit.
Our price includes:

- 4 ton Condensing unit (Heat Pump)
- R-22 Refrigerant (full system)
- Low Ambient Kit
- Nitrogen, brazing materials
- Crane service (condenser needs to be crane lifted to building)
- (2) Technicians (Estimated 5-6 hours)

Total Price is $3,664.32 (Three thousand six hundred sixty four dollars & 32/100)

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

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Saddle Mountain Unified**
BRG Project Number: **070390002-1005-007BRG** Maricopa County
Project Description: **Repair HVAC unit**
Consultant: n/a
Contractor: A Quality HVAC (623-853-1482)

Board approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost:		**$ 3,218**
Contingency ①		**$ 500**
Additional Cost:		
Architecture / Engineering (A&E) Fees		$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		**$ -**
Total SFB Funded Project Cost:		**$ 3,718**
District or Local Funds:		$ -
SFB Board Approved Amount:		**$ 3,718**
Total Project Cost:		**$ 3,718**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: 1/20/2015 12:16:57 PM **Application ID:** 1762
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:	Dr. Mark Joraanstad
Contact Person:	Angel Tellez
Contact Phone Number:	623-474-5600
Contact Email:	angel.tellez@smusd90.org
School Site:	Tonopah Valley High School
Buildings:	1005 Bldg. 100

Application Title: Athletic training room/gym hallway 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.

this unit will not heat or cool. the compressor blew up and needs replaced. this unit cools the athletic training room and the gym hallway

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

AQuality HVAC Air Conditioning & Heating

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

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

Tonopah Valley High School
38201 W Indian School
Tonopah AZ 85354
01-20-2015

The following is a proposal to replace the bad compressor in the Athletic training room/Gym hallway. Our price includes:

- Removal and proper disposal of bad compressor as per EPA standards
- New Compressor
- Reversing Valve
- Drier
- Nitrogen, brazing materials
- (2) Technicians (Estimated 5-6 hours) To remove and replace compressor as well as reversing valve.
- Total Price is $3,217.51 including all materials labor and taxes
- **Less 5% discount ($160.87) for multiple repairs.**

Total Price is $3,065.64 (Three thousand sixty five dollars & 64/100)

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

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Saddle Mountain Unified**
BRG Project Number: **070390002-1006-008BRG** Maricopa County
Project Description: **Repair HVAC unit**
Consultant: n/a
Contractor: A Quality HVAC (623-853-1482)

Board approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost:		**$ 3,218**
Contingency ①		**$ 500**
Additional Cost:		
Architecture / Engineering (A&E) Fees		$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		**$ -**
Total SFB Funded Project Cost:		**$ 3,718**
District or Local Funds:		$ -
SFB Board Approved Amount:		**$ 3,718**
Total Project Cost:		**$ 3,718**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: 1/20/2015 6:33:41 AM **Application ID:** 1760
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: Dr. Mark Joraanstad

Contact Person: Angel Tellez

Contact Phone Number: 623-4745600

Contact Email: angel.tellez@smusd90.org

School Site: Tonopah Valley High School

Buildings: 1006 Bldg. 200

Application Title: TVHS snack bar 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.

No heating the compressor blew up needs a new one and a new reversing valve. quote to follow in e-mail

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

AQuality HVAC Air Conditioning & Heating

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

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

Tonopah Valley High School
38201 W Indian School
Tonopah AZ 85354
01-16-2015

The following is a proposal to replace the bad compressor in the unit at the "Snack shop" at the 200 building. Our price includes:

- Removal and proper disposal of bad compressor as per EPA standards
- New Compressor
- Reversing Valve
- Drier
- Nitrogen, brazing materials
- (2) Technicians (Estimated 5-6 hours) To remove and replace compressor as well as reversing valve.
- Total Price is $3,217.51 including all materials labor and taxes
- **Less 5% discount ($160.87) for multiple repairs.**

Total Price is $3,065.64 (Three thousand sixty five dollars & 64/100)

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

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Scottsdale Unified**
BRG Project Number: **070248169-9999-032BRG** Maricopa County
Project Description: **Replace chiller power supply**
Consultant: EMCOR Services (602-314-3186)
Contractor: TBD

Board Approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost (cost estimate provided by architect or contractor)		**$ 1,596**
Contingency ①		**$ 404**
Architecture / Engineering (A&E) Fees		$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		**$ -**
Total SFB Funded Project Cost:		**$ 2,000**
District Share (Local Funds):		$ -
SFB Board Approved Amount:		**$ 2,000**
Total Project Cost:		**$ 2,000**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: 1/23/2015 9:20:00 AM **Application ID:** 1783
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: Cocopah Middle School

Buildings: 9999 School Wide

Application Title: Low Voltage Power Supply

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.

Chiller 1 at Cocopah Middle School is 3 year old Multistack 210 ton water cooled chiller, it had a 2 year warranty from the factory and was installed back in 2012. It has a bad power supply for the low voltage circuits and chiller cannot run without it. The cost to replace it is $1,596.00.

Project Category: HVAC

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

Available Funding

Amount of Local funds planned for this project	$0.00

Please outline any associated insurance coverage.

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

Superintendent Printed Name

Superintendent Signature Date

EMCOR Services Arizona

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

Date: January 15, 2015
Quote #:15-60018

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

Jobsite Name:	Cocopah
Jobsite Address:	6615 E. Cholla
Job Title:	Replace bad power supply
Equipment	Multistack MSO180FC4L2W2HI-R-134 SERIAL AA10-182

Dear Carlos

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

- Lock out and tag out tower Chiller
- Remove defective power supply and discard.
- Provide and install new OEM part
- Power up equipment and check operation.

***New power supply is in town**

TOTAL COST (Materials, Labor, & Tax)..... $1,596.00

Exclusions: Unforeseen system problems and all electronic components

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

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

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

By: _____ By: _____
Customer

EMCOR Services Arizona
Tom Robins
Account Manager

Accepted date _____

Pat Cruse

From: Carlos Monreal [cmonreal@susd.org]
Sent: Wednesday, January 21, 2015 10:31 AM
To: Pat Cruse
Subject: Bad power supply on chiller
Attachments: Multi Stack.docm

Pat,
We have a 3 year old chiller at Cocopah Middle School, it had a 2 year warranty from the factory and installed back in 2012. It has a bad power supply for the low voltage circuits and chiller cannot run without it.
This is the factory rep for Multi Stack chillers:

Mark Cunningham, LEED AP
Sales Engineer | Principal
2340 W. Parkside Ln., Suite H107
Phoenix, AZ 85027
(c) 602.677.8668
(d) 623.760.9203
(f) 623.760.9035
mark.cunningham@dmghvac.com

I have attached a quote for repairs, Should I submit an emergency BRG request?

Thank You.

Carlos Monreal
Scottsdale Unified School District
E.M.S. Supervisor
Mobile 480.284.3192
Office 480.484.8519

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Scottsdale Unified**
BRG Project Number: **070248120-1003-033BRG** Maricopa County
Project Description: **Replace 70-ton chiller compressor**
Consultant: EMCOR Services (602-314-3186)
Contractor: TBD

Board Approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost (cost estimate provided by architect or contractor)		$ 16,310
Contingency ①		$ 7,600
Architecture / Engineering (A&E) Fees		$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		$ -
Total SFB Funded Project Cost:		$ 23,910
District Share (Local Funds):		$ -
SFB Board Approved Amount:		$ 23,910
Total Project Cost:		$ 23,910

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: 12/23/2014 4:55:19 PM **Application ID:** 1745
Resubmittal Date: 1/23/2015 12:14:18 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: 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: 1003 B

Application Title: Building B 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.

The B building chiller at Pueblo Elementary is a 17 year old York 70 Ton Air Cooled, the chiller has 2 failed reciprocating R-22 compressors. The electronic chiller controller is being phased out and no retrofit kit will be made available. The chilled water pump leaks water and needs to be replaced.
Option 1: Replace chiller compressors (2) add R-22 refrigerant and replace chilled water pump the cost is $31,477.00.
Option 2: Replace chiller 6-8 week delivery the cost $71,101.00.

Project Category: HVAC

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

Available Funding

Amount of Local funds planned for this project	$0.00

Please outline any associated insurance coverage.

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

Superintendent Printed Name

EMCOR Services Arizona

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

Date: January 21, 2015
Quote #:15-60005

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

Jobsite Name:	Pueblo Elementary School
Jobsite Address:	6320 N. 82nd Street
Job Title:	Compressor replacement
Equipment	York YCAZ-74BB-46A

Dear Carlos

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

- Lock out and tag out chiller.
- Remove refrigerant from compressor circuit and dispose.
- Remove existing TXV
- Replace one TXV
- Replace all drier cores.
- Provide and install 1 Remanufactured York reciprocating compressor (Model # ZB6S1-D46/50)
- Provide and install new compressor contactors.
- Leak check chiller and evacuate
- Provide and install new R-22
- Restart chiller and check operation.

TOTAL COST (Materials, Labor, & Tax)..... $16,310.00
***If compressors cannot be rebuilt add $5,600.00**
Exclusions: Condenser coil, condenser motors, York panel, moisture in system, unforeseen system problems and overtime

Warranty: One year compressor warranty and 90 days on Labor
- **For five year compressor warranty add $1200.00**

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

By: _____ By: _____
Customer

EMCOR Services Arizona
Tom Robins
Account Manager

Accepted date _____

EMCOR Services Arizona

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

Date: December 22, 2014
Quote #:14-60868

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

Jobsite Name:	Pueblo Elementary School
Jobsite Address:	6320 N. 82nd Street
Job Title:	Replace York
Equipment	York YCAZ-74BB3-46PA

Dear Carlos

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

- Lock out and tag out chiller.
- Disconnect all piping and electrical.
- Using local Crane service remove old chiller and dispose.
- Provide and install York chiller in Existing location. (Model YLAA0070SE46XFB)
- Reconnect all electrical to new chiller.
- Remove old chilled water pump and install new Taco 5 Hp Pump.
- Measure, fabricate and install necessary chilled water piping.
- Insulate new piping to match existing.
- Provide York factory start up.

TOTAL COST (Materials, Labor, & Tax)..... $71,101.00

Terms 25% 0n mobilization 25% arrival of chiller 50% on completion
Exclusions: Overtime, engineering, and permits.

Warranty: 1 year parts and labor warranty.

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

By: _____ By: _____
Customer

EMCOR Services Arizona
Tom Robins
Account Manager

Accepted date _____

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Tuba City Unified**
BRG Project Number: **030215240-1010-004BRG** Coconino County
Project Description: **Roof replacment**
Architect of Record: EMC2 (480-830-3838)
Contractor: TBD

Board Approval Date: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost:		**$ 414,906**
Contingency ①		**$ 42,000**
Additional Cost:		
Architecture / Engineering (A&E) Fees		$ 13,810
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		**$ 13,810**
Total SFB Funded Project Cost:		**$ 470,716**
District or Local Funds:		$ -
SFB Board Approved Amount:		**$ 470,716**
Total Project Cost:		**$ 470,716**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: 11/12/2014 1:58:56 PM **Application ID:** 1650
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:	Tuba City Unified District
Superintendent:	Dr. Harold Bgay
Contact Person:	Paul Huber
Contact Phone Number:	9283806138
Contact Email:	phuber@tcusd.org
School Site:	Tuba City High School
Buildings:	1010 800

Application Title: Architectural fee for drawings and specification to replace roof

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

The roof on the Building is about 15 years old and according to the inspection by the Architect should be replaced. total cost for the design by the architect is estimated $13,810. the roofing assessment will be forwarded to Gerry

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

ROOFING ASSESSMENT

TUBA CITY HIGH SCHOOL SPORTS PAVILION

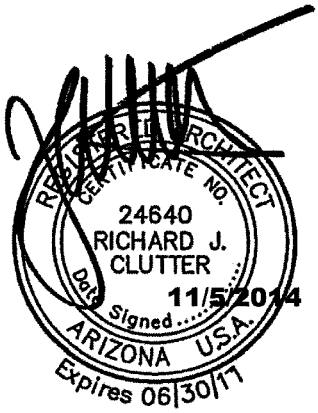
WARRIOR DRIVE
TUBA CITY, AZ 86045

TOTAL ROOF AREA:

SINGLE PLY MEMBRANE ROOF APPROXIMATELY 66,213 SQ. FT.

PREPARED FOR:

MR. PAUL HUBER, OPERATIONAL DIRECTOR
TUBA CITY UNIFIED SCHOOL DISTRICT NO. 15
P.O. Box 67
67 Fir Street
Tuba City, Az. 86045



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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

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Mesa, AZ 85205

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www.emc2architects.com

EXECUTIVE SUMMARY:

Name: Tuba City HS Sports Pavilion

Location: Warrior Drive, Tuba City, AZ 86045

Roof Size: Single Ply PVC Roof – 66,213 SF

Inspection Date: October 20, 2014

History:

A visual inspection of interior spaces was performed on arrival. Due to the large amount of high bay, exposed structure ceiling, evidence of leaking was not apparent in the way of rust or staining at joist or metal deck. Staining was observed in hard ceilings in several areas. District personnel were not available to assist with identifying previous leak locations. Despite the lack of interior evidence of leaking the District reports leaking is occurring after every storm and there is concern of damaging the wood athletic flooring should a storm occur when maintenance personnel are not on site to mop up standing water. A general visual survey of the roof was performed without any specific focus on any one area of the roof.

Recommendation:

As a result of our survey, our recommendation is to retrofit a new protection board and a new single-ply membrane over the existing single-ply roof system. A new 60 mil PVC membrane, with proper and timely inspections, repair and maintenance, should provide service to the District for twenty years.

Budget:

Based on preliminary subcontractor pricing based on a twenty year warranty anticipated cost to replace roof is as follows:

60 mil. TPO Single-Ply over 1/4" HD Recovery Board: $ $428,716.00

Additionally, yearly inspection and maintenance to remove blown sand, Pidgeon dander and sports equipment from drains and roof surfaces should be budgeted and performed along with proper patching and repairs of any damage to the membrane.

CONSTRUCTION:

Visual inspection confirm these roofs to be single-ply membrane consisting of white outer layer and gray inner layer, thermoplastic laminated to a fabric scrim. Parapet wall and mechanical curb flashings have been constructed out of the same thermoplastic membrane. Roofing submittals indicate the roof membrane to be a 50 Mil. Thick, PVC membrane manufactured by Duro-Last Roofing Inc., Saginaw, Michigan.

Core sampling of the membrane was performed previously by another party. In the interest of minimizing penetrations additional cores were not performed. Those cores indicated the insulation was in "fine" condition.

Submittals indicate the roof membrane carried a 15 year warranty from the date of substantial completion. The actual roof was installed in the fall of 1999; however the Substantial Completion Certificate was issued in February of 2000, keeping the warranty in force for another 2 months from the date of this report. An executed copy of the warranty was not located.

The roof system was mechanically attached to the structural metal deck over two layers of polyisocyanurate insulation also mechanically attached to the structural metal deck. Duro-Last Roofing Systems have the lap seams thermally welded in the factory to reduce the amount of seam welding performed in the field. Seams between prefabricated sheets were hot air welded in the field.

Parapet walls average 34" to 42" in height at the various roof area perimeters. Membrane is fully adhered to masonry parapet wall and is wrapped over the top of a wood nailer at the top of parapets. A metal coping was installed over the membrane and mechanically fastened to the wood nailers. Where building heights change the membrane has been flashed up the wall approximately 36" and mechanically attached with a termination bar. A reglet has been installed above the termination bar and metal counter flashing is installed over the termination bar.

Roof top packaged air conditioners are arranged in two rows along the main roof area and scattered randomly at lower roof areas. All RTU's are placed on factory roof curbs and flashed with single ply membrane. Penetrations are flashed with adjustable PVC cones that are welded to the membrane and sealed at the pipe penetration with compression bands and sealant. Membrane walk pads are provided continuously from the roof access points to all roof top equipment.

Roof slope is generally 3/8" per foot at lower roofs and along the perimeter. The main roof over the ball court is double pitched at 1" per foot. Crickets are provided at all equipment and to direct run-off to internal roof drains along the roof perimeters. Overflow is handled with scuppers through the face of the parapet walls.

OBSERVED CONDITIONS:

The membrane is stained from red dust and sand blown onto roof by the frequent prevailing wind storms. District Maintenance sweeps the roof routinely but has to lower the dirt by buckets through the roof scuttle. Significant amounts of dirt can collect on the roof and cause damage to the membrane if allowed to remain in traffic areas.

Pidgeon netting has been installed on most of the large roof top packaged units and Pidgeon dander was observed collecting at several drain locations. Netting is ballasted to the roof using masonry units. Ballast should be properly supported on slip sheets to prevent damage to the membrane.

Numerous patches and repairs were observed along the perimeter of the roof. This is where the water collects and stands the longest as it is conveyed to the drains. It is possible there are as many pinholes in other areas that do not leak due to their locations. None of the patching was observed to have been performed using hot air welded patches. Patches are covered with membrane and adhered using various metallic and white colored adhesives. These materials were not sampled but appear to be standard caulking compounds and roofing adhesives not specifically formulated for membrane roofs.

There were not any depressions in the insulation typically manifested by mud collecting in the low spots.

One particular trouble spot was observed where an impact failure occurred. The membrane was observed to be shattered at the point of impact and membrane debris around the failure was hard and brittle. Embrittleness is a sign of aging and pending failure of the membrane. As plastic membranes age due to exposure they typically become brittle and shrink. The shrinkage is limited by the scrim but can produce tension on seams and attachment points. Additionally with the loss a elasticity the membrane becomes susceptible to cracking at lower temperature and shattering when impacted by hail or dropped tools. The ultimate result can be catastrophic failure in the form of the entire membrane shattering in high winds or hail, or an intensification in the amount of leaks and maintenance required to keep the membrane watertight.

Gas piping and condensate drains are supported by wood blocking properly covered with slip sheets. It was noted the wood blocking has weathered and dried out, resulting in a loss of dimension. The blocking no longer provides positive support and in some cases is entirely detached from the piping. Piping itself is in good condition.

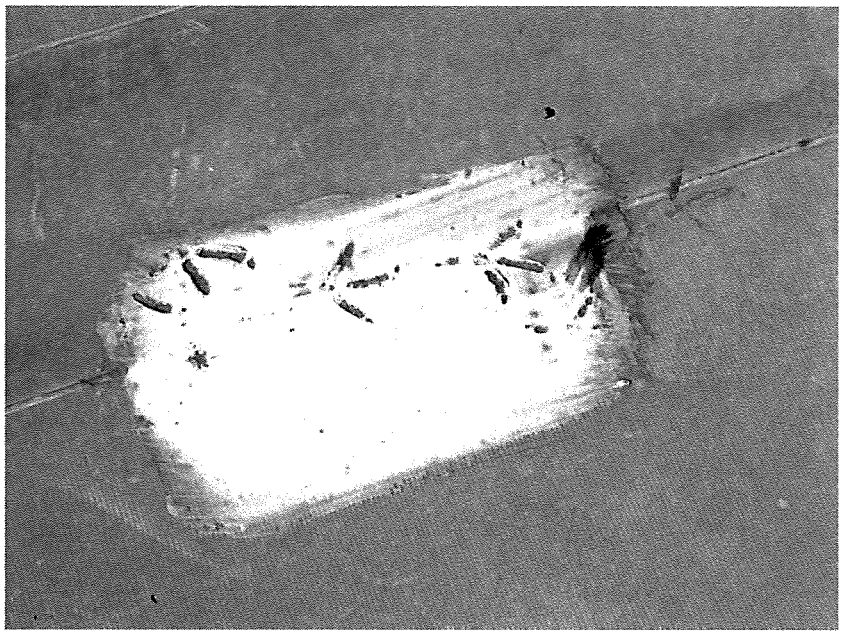
Walk pads are adhered around all equipment. Due to the installation of bird netting some of the walk pads are no longer effective.

Prefinished metal coping is faded but in good condition and can be re-used in a re-roof. The membrane at walls wraps over the parapet nailer and provides the primary weather proofing at the coping.

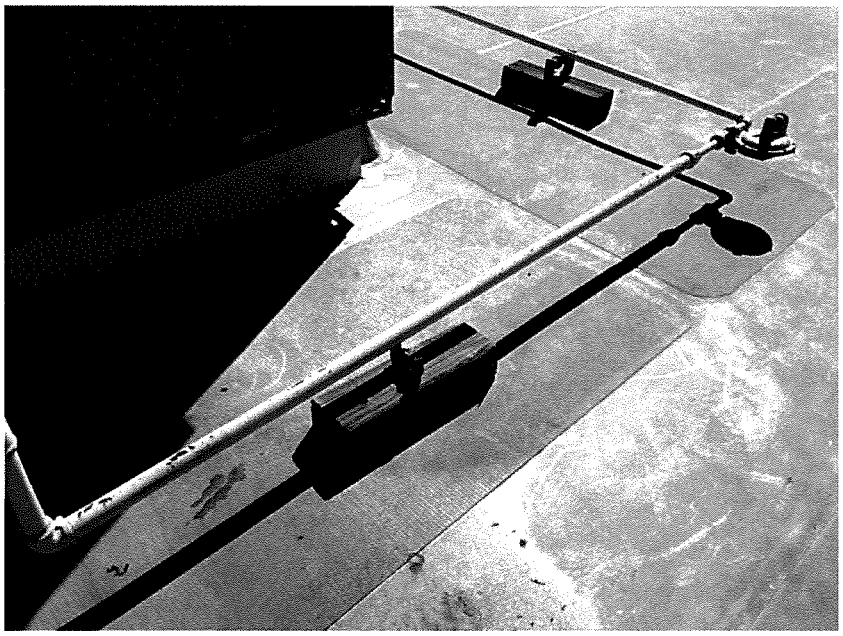
PHOTOGRAPHS:

Membrane has shattered at impact point due to loss of pliability. Membrane was brittle and held together by scrim. Embrittleness is due to age of membrane and exposure. This indicates membrane is near the end of its useful life and could be subject to catastrophic failure.

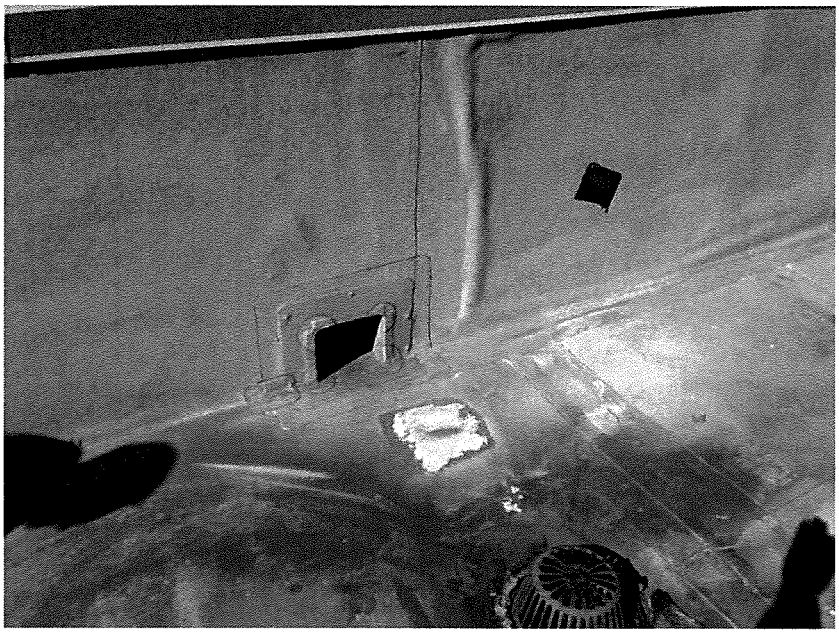
Improper repairs of membrane- typical of the patches throughout the roof.



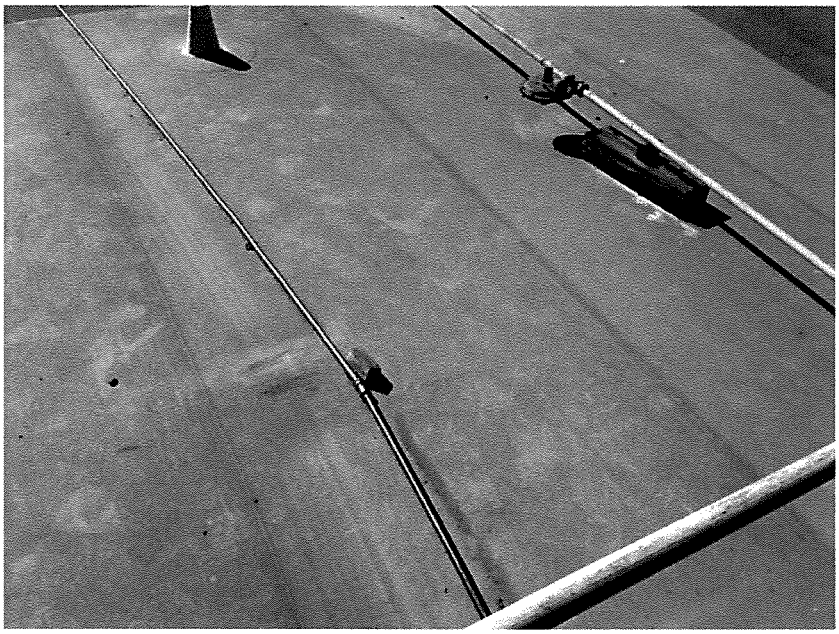
Petrified Pidgeon tracks – improper repair method.



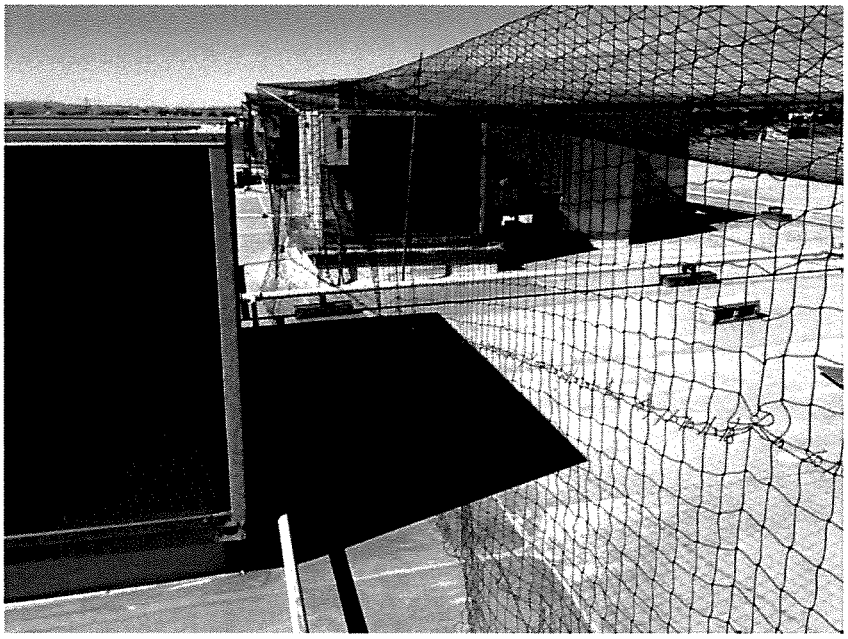
Typical mechanical curb, walk pad and pipe support installation. Wood blocks at pipe stands have shrunk and no longer provide positive support.



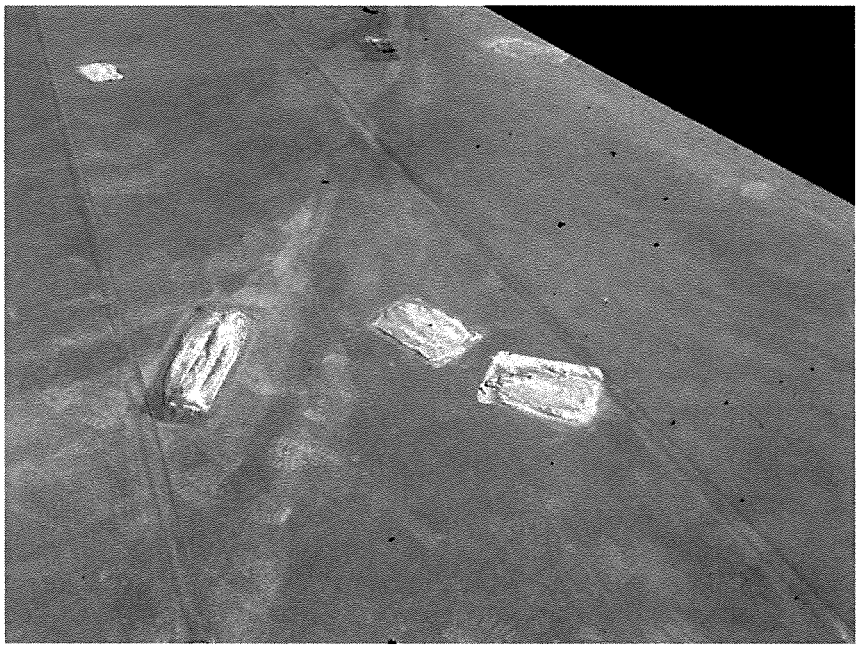
Internal roof drain with scupper overflow.



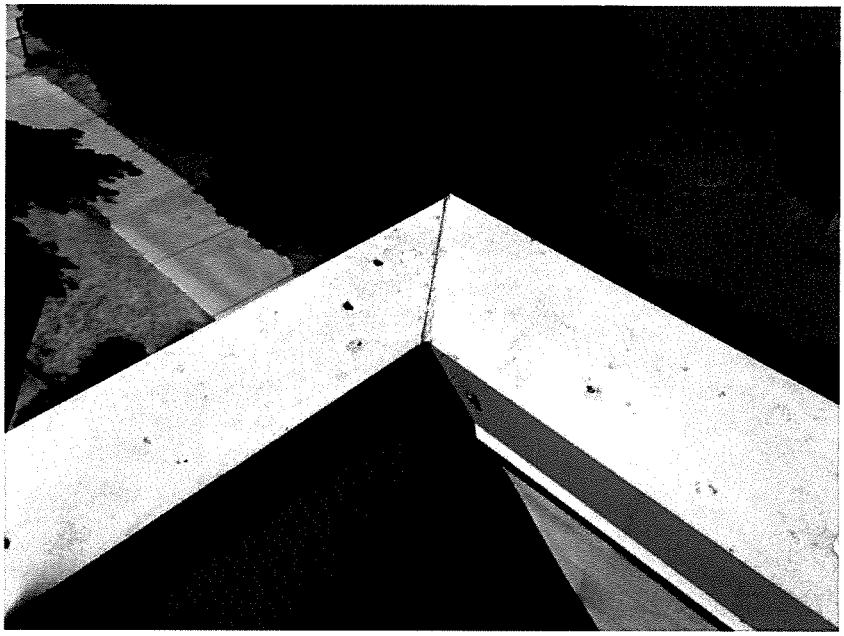
Conduit for low voltage security camera system is not properly supported and is scuffing membrane. This condition was typical of the security system.



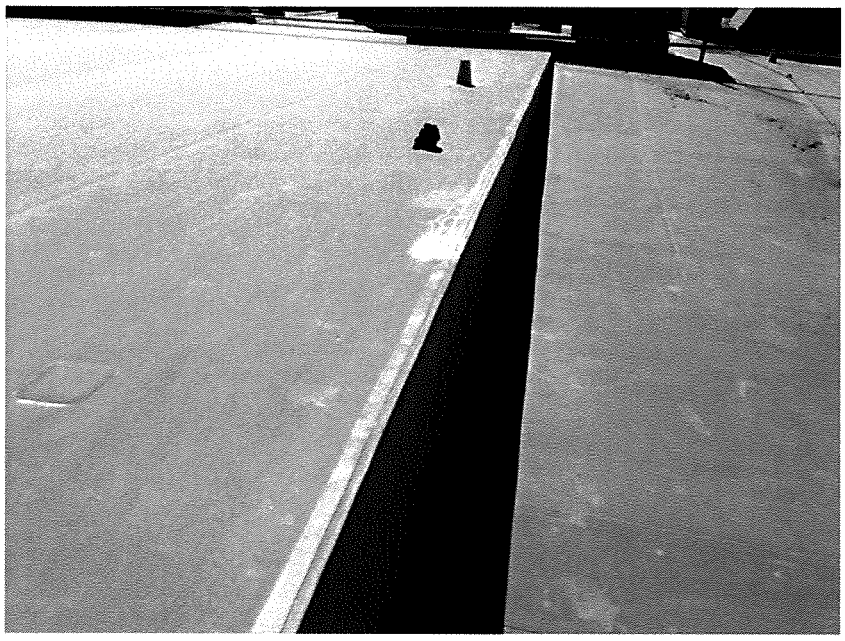
Pidgeon netting blocks walk pads in some locations and is improperly ballasted. CMU blocks should be placed on pads or pans to prevent scuffing.



Numerous repairs occur away from seams but fall in low points on the roof.



Copings are installed over membrane wrapped parapet nailers and fastened on the backside of the parapet.



Transition at pitched center roof.

RECOMMENDATIONS:

This roof has been in place for 15 years and is currently leaking at seam delaminations and membrane punctures. The roof is at the end of its warranty period and useful life. Most concerning is the signs of embrittlement in the membrane that can lead to increased leaking and at worst case a catastrophic failure. There is not any maintenance solution for a membrane that has become brittle and the risk for failure in a hail event or high wind will only increases with colder weather. Due to evidence of embrittlement the only sound recommendation is to install a new roof system.

The existing insulation is in good condition, slopes are adequate and uniform, and crickets appear to be unobstructed. Based on the condition of the substrate we recommend an overlayment of the existing roof assembly with a manufacturer's approved roof board and a new Energy Star rated 60 mil. minimum, white, single-ply membrane capable of qualifying for the 20 year minimum warranty required by the Arizona School Facilities Board.

Emc2 has access to the original design documents and structural calculations. Dead load appears to be adequate for the additional membrane and recovery board. Loads will be verified once the final selection is determined for the membrane and recovery board.

The estimated cost of the retrofit is approximately $5.50 per Square Foot for a total cost of $364,172.

Optional Improvements:

Based on the quantity of debris from blowing sand and birds, along with the vast collection of sports equipment on the lower roof, Emc2 recommends the installation of a permanently fixed davit system to assist in raising and lowering of material off of the roof. A simple davit could be installed for less than $10,000. Based on the multiple roof levels requiring access by ladders, a portable davit system with multiple fixed bases would allow access to all of the different roof areas and could be installed for a cost of $15,000.

Cost of Neglect:

Without the recommended roof replacement the leakage will intensify as the existing membrane continues to age and deteriorate. As leaking increases, consequential damage will occur to roof insulation and metal decking, resulting in a costlier roof replacement. Instead of recovering the existing roof a full tear-off may become necessary in order to inspect the metal decking for damage. Additional risk exists with the athletic wood flooring. Even small localized leaks if allowed to persist can swell the wood flooring and cause the entire floor to be refinished or replaced. It is estimated the floor would cost approximately $11.00/SF to replace making full replacement cost in excess of $100,000. Full tear-off is estimated to add an additional $3.00/SF to the roof replacement.

ESTIMATED COSTS OF REPLACEMENT:

Design Services And Fees:
The architectural scope-of service also includes preparation of roof plans, details and specifications, construction procurements, permit management and project design coordination:

Architectural Design & Procurement:	$ 5,800.00
Structural Engineering:	$500.00
Structural Engineering (Optional Davit Design):	$1,500.00
Total Design Fees:	**$7,800.00**

Construction Administration Services And Fees:
The construction administration scope-of-services include office time for RFI's and shop drawing review, project administration, 4 site observations including travel Tuba City to observe and record roof replacement:

Architectural CA (4 trips) :	$5,160.00
Structural Engineering CA (Optional)	$850.00
Total Construction Administration Fees:	**$6,010.00**

Additional Field Observation will be performed at $850 / Trip.

Estimated Cost of Construction:
Clean prep existing roofing system for lay-over. Mechanically fasten ¼" HD board through existing roofing system to deck. Install new 60 mil TPO roofing system using Rhino Bond fastening system. Fully adhere TPO to existing walls, terminate under existing coping. Standard language manufacturer's 20 year warranty. 2 year contractor's warranty.

New 60 mil. TPO membrane and recovery board overlay:	$364,172.00
Sales tax & Bonds:	$30,733.00
Mechanical roof davit system:	$20,00.00
Total estimated Cost of Construction:	**$414,906.00**
TOTAL ESTIMATED PROJECT COST:	$428,716.00

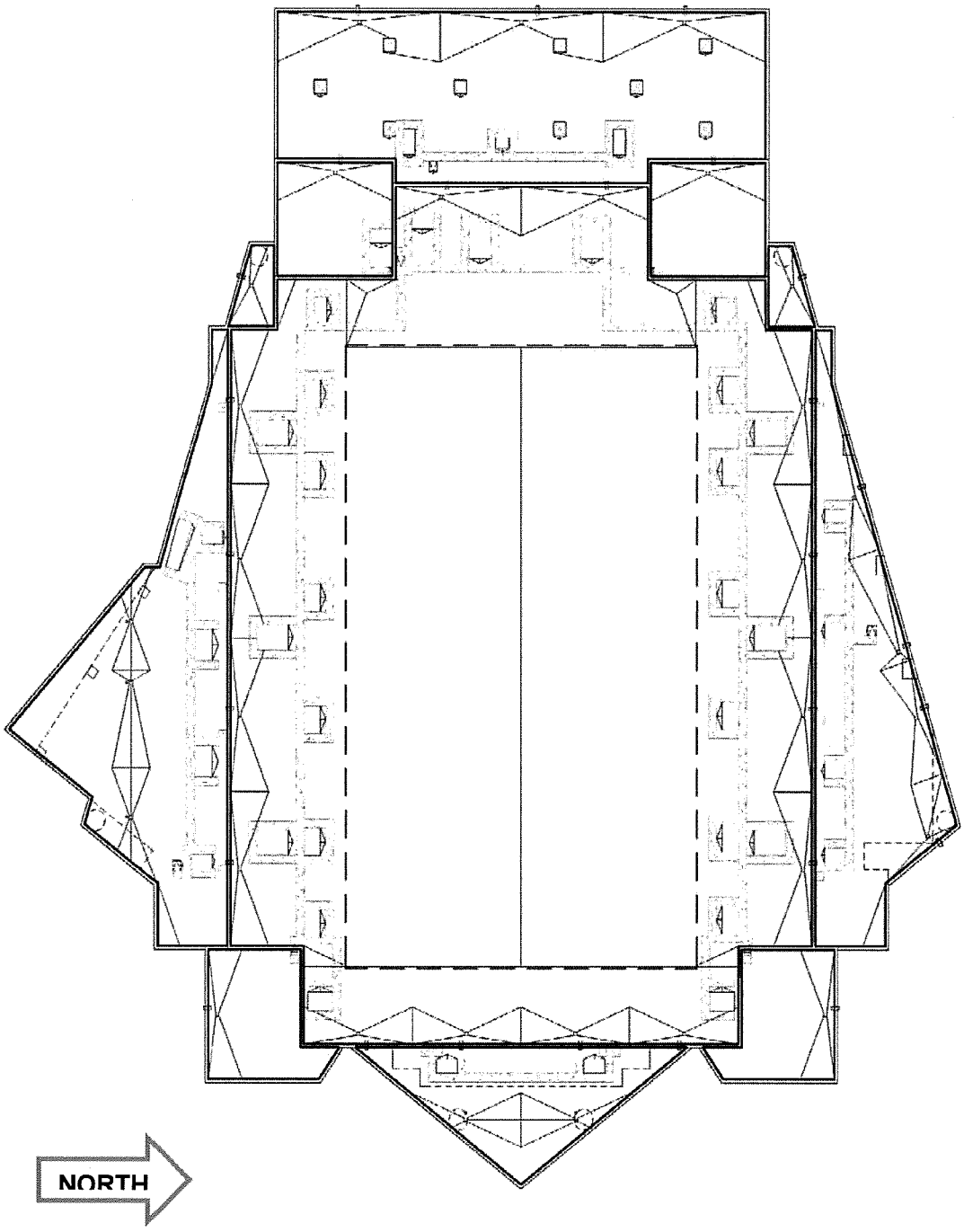
Sincerely,

Emc2 GROUP Architects Planners, PC

Richard J. Clutter, AIA
President

Cc: David Kennon, SFB
Gerry Breuer, SFB

EXHIBIT: ROOF PLAN



SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Willcox Unified**
BRG Project Number: **020213201-9999-009BRG** Cochise County
Project Description: **Replace fire alarm system**
Consultant: HDA Architects, LLC (Paul Holland 480-539-8800)
Contractor: Safeguard (480-609-6200)

Board approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost:		**$ 45,511**
Contingency ①		**$ 4,500**
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:		**$ 51,511**
District or Local Funds:		$ -
SFB Board Approved Amount:		**$ 51,511**
Total Project Cost:		**$ 51,511**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 230
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

School Facilities Board **BUILDING RENEWAL GRANT**

SFB BR 900-08 **Project Application Form**

Building Renewal Grant Application

Initial Submission Date: 10/23/2014 10:31:12 AM **Application ID:** 1618

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: Willcox Unified District

Superintendent: Richard Rundhaug

Contact Person: Thomas Currin

Contact Phone Number: 520-384-8854

Contact Email: tom.currin@wusd13.org

School Site: Willcox High School

Buildings: 9999 School Wide

Application Title: Fire Alarm System

Description of Problem

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

Existing fire alarm system is giving us multiple problems. It sometimes will not reset, false alarms, fire dept. is requesting problem fixed.

Project Category: Special Systems

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

Available Funding

Amount of Local funds planned for this project	$0.00

Please outline any associated insurance coverage.

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

Superintendent Printed Name

Superintendent Signature 10/23/14 Date

HDA
HDA ARCHITECTS, LLC

PRINCIPALS
LICENSES

PETE BARKER
ARIZONA
CALIFORNIA

PAUL HOLLAND
ARIZONA
NEW MEXICO
NORTH CAROLINA

BRUCE R. SCOTT
ARIZONA

Proposal for Architectural Services in connection with SFB Building Renewal Grant Funding

Date: January 20, 2015

District Name: Willcox Unified School District No. 13

Contact Person: Tom Currin
Contact # (520) 384-8854
Contact email tom.currin@wusd13.org

Project Site: Willcox High School
240 N. Bisbee Avenue
Willcox, AZ 85643

Project Description: Review proposed fire alarm system repair for Willcox High School proposed by Safeguard. Review final installation of fire alarm repair.

Probable Cost: $45,511

Architectural Services:	Engineering Review of Safeguard's proposal	$250.00
	Engineering Special Inspection	$750
	Architectural Coordination	$500
	Proposed Architectural Fees	$1,500

Excluded Services: The following items are specifically not included as services provided:
Asbestos testing
N.E.S.H.A.P.S. Applications
Mold Abatement
Special Structural Inspection
Permit Applications

HDA Architects LLC

Very Truly Yours

Paul D. Holland
Principal

PDH/pdh

Kraemer Consulting Engineers, PLLC
2050 W Whispering Wind Dr
Suite 158
Phoenix, AZ 85085
PH: 602-285-1669 FAX: 602-284-9450

Kraemer Consulting Engineers, PLLC
Mechanical & Electrical Engineers

PROFESSIONAL SERVICES FEE ESTIMATE **DATE** 1/19/2015

To:	Paul Holland	Project Name	Willcox HS / MS
Company	HDA Architects		Fire Alarm review / inspection
Address	459 N. Gilbert Road, Suite C-200	Address	
City/State/Zip	Gilbert, Arizona 85234	City	Wilcox
Phone	480-539-8800	State	AZ

DESCRIPTION Provide review and comment of Fire Alarm deficiencies report provided by Safeguard. Provide site inspection and punch list of new installation.

PHASES	FUNCTION	MECH	ELEC	FP	TOTALS $
NON-DESIGN SERVICES	Review report / provide comments		$250.00		
		$0.00	$250.00	$0.00	$250.00
DESIGN					
		$0.00	$0.00	$0.00	$0.00
ADMINISTRATION	Special Inspections		$750.00		
		$0.00	$750.00	$0.00	$750.00
OTHER					
		$0.00	$0.00	$0.00	$ -
	SUB-TOTALS	$0.00	$1,000.00	$0.00	$ 1,000.00

	B. CONSULTANTS (Attach estimates)	AMOUNTS $	
1.	CONSULTANT FEE	$0	
2.			
	TOTAL CONSULTANTS B		$ -

	C. OTHER DIRECT COSTS (Attach estimates as necessary)	AMOUNTS $	
1.	TRAVEL COSTS	$0.00	
2.	REPRODUCTION COSTS	$0.00	
3.	OTHER EXPENSES	$0.00	
	TOTAL OTHER DIRECT COSTS C		$0.00
	TOTAL COST		$1,000.00

PREPARED BY (Signature)	Date	APPROVED BY (Signature)	Date
	1/19/2015		

MOHAVE PROPOSAL

MESC #13A-SAFE-0529 October 21, 2014
8454 N 90th St. Scottsdale, AZ 85258
main: 480-609-6200 fax: 480-609-6222

WILLCOX HS -FIRE ALARM - REPLACE FCI WITH NOTIFIER					FIRE ALARM SYSTEMS
MATERIAL: (See attached summaries for details)					$ 21,182.34
FREIGHT: 3.5% OF MATERIAL COST					$ 762.38
LABOR:					
Basic Installation Rate:		183.50	Hours (x)	$ 70.00	$ 12,845.00
Application / Programming Rate:		48.50	Hours (x)	$ 95.00	$ 4,607.50
Project Management Rate:		8.00	Hours (x)	$ 95.00	$ 760.00
Engineer / Drafting Rate		26.00	Hours (x)	$ 75.00	$ 1,950.00
Service Rate:			Hours (x)	$ 90.00	$ -
LIFT RENTAL:			x	$ -	$ -
PERMIT FEE: (a applicable by jurisdictional requirements, and invoiced at cost to Members)					
LODGING, M&IE AND MILEAGE: (current state rates, see http://www.gao.az.gov/travel, Effective Date: 11/15/2006)					
LODGING:			per night (x)	$ -	$ -
M&IE:			per night (x)	$ -	$ -
Mileage:			per mile (x)	$ 0.445	$ -
Commercial Monitoring: (units in increments of 12)					
Fire Alarm Only:			unit per month (x)	$ 26.00	$ -
Basic Security:			unit per month (x)	$ 31.95	$ -
Partitioned systems:			unit per month (x)	$ 10.00	$ -
Additional security panels (same site)			unit per month (x)	$ 16.00	$ -
Secured Monitoring: U.L. Listed Account:			unit per month (x)	$ 45.00	$ -
Primary Mode, NO Phone Line:			unit per month (x)	$ 25.00	$ -
Secondary Back-Up to Phone Line:			unit per month (x)	$ 18.00	$ -
Elevator Monitoring:			unit per month (x)	$ 10.00	$ -
800 Service Monitoring:			unit per month (x)	$ 30.00	$ -
				Subtotal:	$ 42,707.22
Bond Rate: ($18.00 per $1,000.00 of contract amount)		NO		$ 18.00	$ -
☑ Progressive Payments	Substation Completion:			SUB TOTAL:	$ 42,707.22
				TAX:	$ 2,803.73
				TOTAL:	$45,510.95

SUMMARY

Replace existing FCI Initiating devices with New Notifier (Includes Bldg. U). Reuse existing Cable, Notification devices & locations, backboxes, pathway & Power Supplies. Add Loop Control & Loop Expansion Models to Existing Notifier 3030 FA Panel. Provide & Submit drawings to SFM for Approval. Any additional Cable & Devices to be replaced not shown on FA "AS BUILTS" are not part of Proposal. Excludes Correction of any existing ground faults

STATE OF ARIZONA
SCHOOL FACILITIES BOARD

Meeting Date: February 4, 2015 **Agenda Item VII.d.**

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

Duncan Unified
Mesa Unified
Mohave Valley Elementary
Scottsdale Unified

Background – Duncan Unified (Duncan PS – replace heating units and controls)
Duncan Unified has submitted a Building Renewal Grant request to replace the heating units and controls in the cafetorium Building 1005 at Duncan Primary School.

Duncan Unified, located 205 miles southeast of Phoenix near the border with New Mexico, has three schools. Duncan Primary School is comprised of four buildings constructed between 1935 and 1999, totaling 34,735 square feet. Building 1005 was built in 1999, totaling 12,980 square feet.

Staff visited the school site and found the cafetorium had five Reznor-style wet deck/gas heaters with DDC controls. Only one of the five units on this building was operational.

The district requested the services of a mechanical engineer to provide a proposal for an assessment of the HVAC and control system to include a preliminary design and construction cost estimate. The engineer's proposal is for $5,000.

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Duncan Unified (Duncan PS – replace heating units and controls)
Staff recommends that Duncan Unified be awarded $5,000 in Building Renewal Grant funding for engineering services to assess the HVAC and control system in the cafetorium Building 1005 at Duncan Primary School.

Background – Mesa Unified (Webster ES – exterior reseal)
Mesa Unified has submitted a Building Renewal Grant request for the exterior reseal of Multipurpose Building 1021 at Webster Elementary School.

Mesa Unified has eighty-eight schools. Webster Elementary School is comprised of 11 buildings constructed between 1959 and 2002, totaling 75,333 square feet. Building 1021 was built in 2002, totaling 29,127 square feet.

An evaluation was performed and confirmed by staff that determined the split-faced block on the exterior of the building is leaking into the interior and compromising envelop of the building. The district attempted to correct this problem by weatherproofing six years ago

A proposal for design and construction bid documents is $7,400. The district will contribute $5,000 towards the cost of construction.

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Mesa Unified (Webster ES –exterior reseal)
Staff recommends that Mesa Unified be awarded $12,400 in Building Renewal Grant funding for design and construction bid documents to reseal the exterior of Building 1021 at Webster Elementary School. This includes $5,000 for hazardous materials testing. The district will contribute $5,000 towards the cost of construction.

Background – Mohave Valley Elementary (Mohave Valley JHS – repair crack in cinder block)
Mohave Valley Elementary has submitted a Building Renewal Grant request for an engineer to investigate the cause of cinder block cracking and indoor wall separation in Building 1002 at Mohave Junior High School.

Mohave Valley Elementary, located 180 miles northwest of Phoenix along the Colorado River, has four schools. Mohave Valley Junior High School is comprised of three buildings constructed in 1998, totaling 55,292 square feet. Building 1002 totals 22,995 square feet.

Staff visited the site and observed multiple cracks throughout the cinder block wall at classrooms 201 and 202 and interior wall separation between these classrooms. The district received for an engineering assessment in the amount of $8,000.

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 work.

Staff Recommendation – Mohave Valley Elementary (Mohave Valley JHS – repair crack in cinder block)
Staff recommends that Mohave Valley Elementary be awarded $9,000 in Building Renewal Grant funding for an engineering assessment of cinder block cracking and indoor wall separation in Building 1002 at Mohave Valley Junior High School. This includes $1,000 in contingency that will only be used with SFB staff approval.

Background – Scottsdale Unified (Kiva ES - replace 60-ton chiller/tower/pump)
Scottsdale Unified has submitted a Building Renewal Grant request for the replacement of a 70-ton chiller and cooling tower on Buildings 1012 and 1013 at Kiva Elementary School.

Scottsdale Unified has 36 schools. Kiva Elementary is comprised of seventeen buildings constructed between 1957 and 2002, totaling 63,091 square feet. Buildings 1012 and 1013 were both built in 1964, totaling 8,516 and 7,299 square feet respectively.

Currently the 20 plus year old chiller compressor has shorted and needs replacement. The 1992 cooling tower has reached the end of its life and needs replacement as well.

The district received a proposal for engineering to develop bid documents at a cost of $9,975.

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Scottsdale Unified (Kiva ES - replace 60-ton chiller/tower/pump)
Staff recommends that Scottsdale Unified be awarded $9,975 in Building Renewal Grant funding for the replacement of a 60-ton chiller and cooling tower on Buildings 1012 and 1013 at Kiva Elementary School.

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

1. Board approval of the staff recommendation that **Duncan Unified** be awarded $5,000 in Building Renewal Grant funding for engineering services to assess the HVAC and control system in the cafetorium Building 1005 at Duncan Primary School.

2. Board approval of the staff recommendation that **Mesa Unified** be awarded $12,400 in Building Renewal Grant funding for design and construction bid documents to reseal the exterior of Building 1021 at Webster Elementary School. This includes $5,000 for hazardous materials testing. The district will contribute $5,000 towards the cost of construction.

3. Board approval of the staff recommendation that **Mohave Valley Elementary** be awarded $9,000 in Building Renewal Grant funding for an engineering assessment of cinder block cracking and indoor wall separation in Building 1002 at Mohave Valley Junior High School. This includes $1,000 in contingency that will only be used with SFB staff approval.

4. Board approval of the staff recommendation that **Scottsdale Unified** be awarded $9,975 in Building Renewal Grant funding for the replacement of a 60-ton chiller and cooling tower on Buildings 1012 and 1013 at Kiva Elementary School.

Attachments: Yes [X] No [ ]

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Duncan Unified**
Project Number: **060202101-1005-001BRG** Greenlee County
Project Description: **Replace heating units and controls**
Architect of Record: Building Energy Solutions Provider (602-377-2679)
Contractor: TBD

Board approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost		$ -
Contingency ①		$ -
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 Share (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
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: 12/10/2014 11:17:16 AM **Application ID:** 1714
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: Duncan Unified District

Superintendent: D. Eldon Merrell

Contact Person: D. Eldon Merrell

Contact Phone Number: 9283592472

Contact Email: emerrell@duncanschools.org

School Site: Duncan Primary

Buildings: 1005 K-3 Cafetorium

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.

The gymnasium and kitchen have separate heating/cooling systems. Presently the heating system is not working and we are unable to get them 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

Superintendent Printed Name

Superintendent Signature Date

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

Building Energy Solutions Provider

January 22, 2015

Mr. Eldon Merrell
Superintendent
Duncan Unified School District
108 Stadium Street
Duncan, Arizona 85534

RE: Mechanical, Electrical & Control Assessment at Duncan Elementary School Cafeteria- Duncan USD

Dear Mr. Merrell,

Please find below a general scope and cost to assess mechanical, electrical & control system at Duncan Elementary School Cafeteria.

Scope: Mechanical, Electrical & Control Assessment; Preliminary Mechanical, Electrical & Control Design; Construction Cost Estimate

Fee: $5,000

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

Sincerely,

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

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Mesa Unified**
BRG Project Number: **070204115-1021-005BRG** Maricopa County
Project Description: **Exterior reseal**
Consultant: Brock, Craig and Thacker Architects, LTD. (480-969-3081)
Contractor: TBD

Board approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost:		$ -
Contingency ①		$ -
Additional Cost:		
Architecture / Engineering (A&E) Fees		$ 7,400
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ 5,000
Total Additional Cost:		**$ 12,400**
Total SFB Funded Project Cost:		**$ 12,400**
District or Local Funds:		$ 5,000
SFB Board Approved Amount:		**$ 12,400**
Total Project Cost:		**$ 17,400**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 230
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: **Application ID:** 1753
Resubmittal Date:

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

District Name:	Mesa Unified District
Superintendent:	Dr. Michael Cowan
Contact Person:	Todd Poer
Contact Phone Number:	928-595-1400
Contact Email:	ftpoer@mpsaz.org bksylvester@mpsaz.org remichal@mpsaz.org
School Site:	Webster Elementary School
Buildings:	1021 A21000

Application Title: Waterproofing exterior CMU walls of the gymnasium at Webster Elementary

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 exterior of the gymnasium building to include the classrooms has been constructed with Architectural Masonry-Scored Face Block that leak profusely allowing water intrusion into this facility . The district has contracted the painting of this facility in 2009 and has attempted in-house to waterproof this facility and has been unsuccessful. We have had a building analysis report leak investigation performed and the exterior CMU has failed a Rilem Tube test.

Project Category: Surfaces

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

Available Funding

Amount of Local funds planned for this project	$5,000.00

Please outline any associated insurance coverage.

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, Ed.D.
Superintendent Printed Name

Building Renewal Grant Application

Michael B. Cowan — Superintendent Signature

1/15/15 — Date

January 12, 2015

Mr. Todd Poer
MPS Construction Dept.
555 S. Lewis
Mesa, AZ 85210

Re: Architectural Services for Webster Elementary Gym/Classroom Buidling Waterproofing

Dear Todd,

Thank you for the opportunity to submit a proposal for architectural services for the waterproofing of the Webster Elementary Gym/Classroom masonry walls.

Our proposed fee is a lump sum fee of $9,900.00 and would include:

Architectural Services	
Contract documents & specifications:	$ 6,800.00
Bidding & Construction Observation:	$ 2,500.00
Waterproofing Consultant evaluation and recommendations:	$ 600.00
Total Fee	$ 9,900.00

Printing and city fees are not included in our fee.

We hope this will meet with your approval and we can proceed upon your notification.

Sincerely,

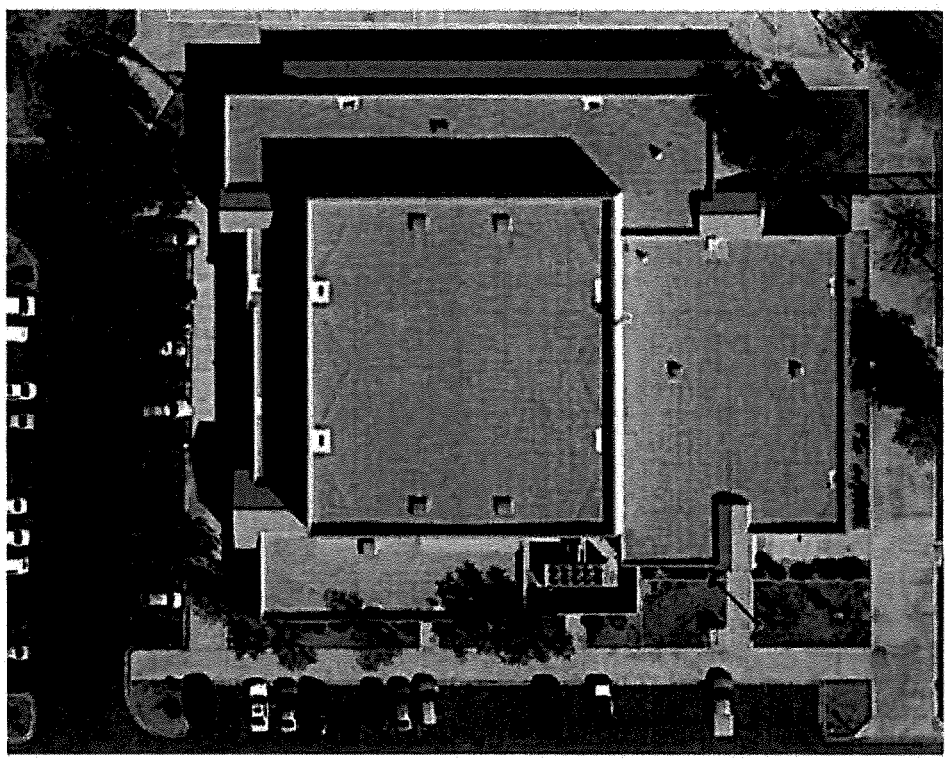
Boyd H Thacker, AIA

BHT/bht
Cc: Dennis Gearhart
Laura Tennyson

brock, craig and thacker architects, ltd.
daniel w. brock III, aia • james e. craig, jr., aia • boyd h. thacker, aia
145 e. university dr., suite 3, mesa, arizona 85201 • (480) 969-3081 • fax: (480) 969-8283

Building Analysis Report
Leak Investigation

Webster Elementary School
Mesa Unified School District



Gym / Classroom Building

202 North Sycamore Avenue, Mesa, Arizona 85201-6150

Prepared For:

Todd Poer

Director of Quality Control

Prepared by:
Walt Hitchcock
480-694-3433 Phoenix / 520-240-5690 Tucson

TREMCO
ROOFING & BUILDING MAINTENANCE

Building Analysis Report
Leak Investigation

Summary Leak Investigation:

Roof Field: No

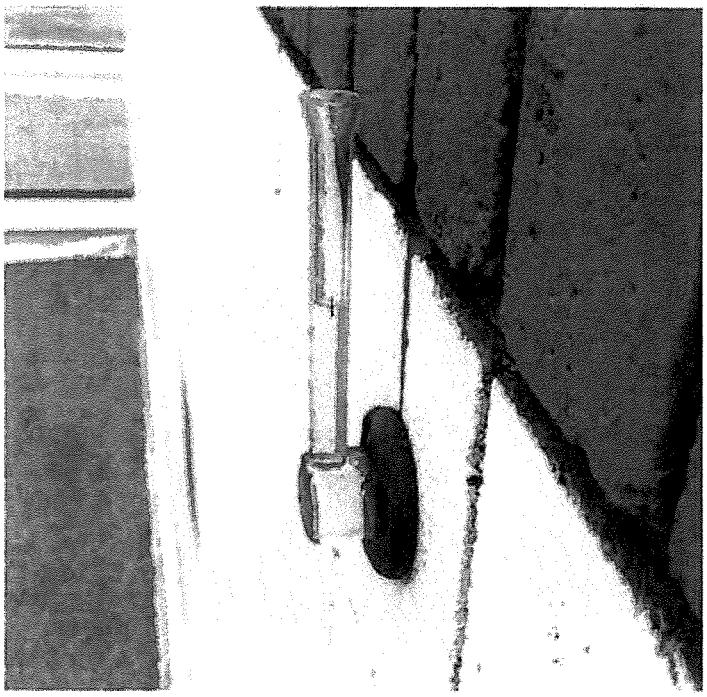
Roof Baseflashings: No

Wall Counter-flashing: Inconclusive

Coping Cap Flashing Detail: No

Interior Parapet Walls: No

Exterior Walls: Yes



Objective:

Todd Poer, Director of Quality Control, requested that I investigate the ongoing leaks in both the classrooms and the gym building located at Webster Elementary School. Todd explained that the leaks have been an continuous problem for many years. Todd also told me that district roofing team had conducted a water test and determined that the exterior walls were the source of the leaks. Mr. Poer requested that I provide my opinions and recommendations to eliminate the leaks and help the district establish a "dry learning environment" for students and staff.

The exterior walls appeared to be well sealed and after a visual inspection of the roof, baseflashings, coping cap metal, and both interior and exterior walls, I was not convinced that the walls were the source of the leaks.

The objective of the second and third inspections conducted were as follows:

1. Involve a Tremco Technical Representative to inspect and provide additional input
2. Identify the source of the leak or sources of the leak

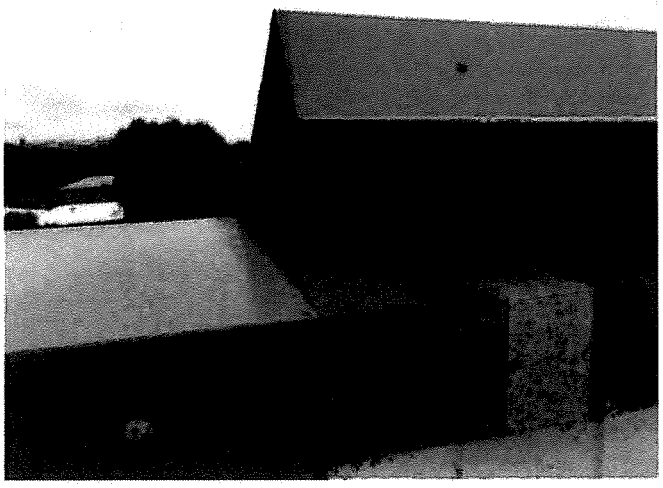
Tasks:

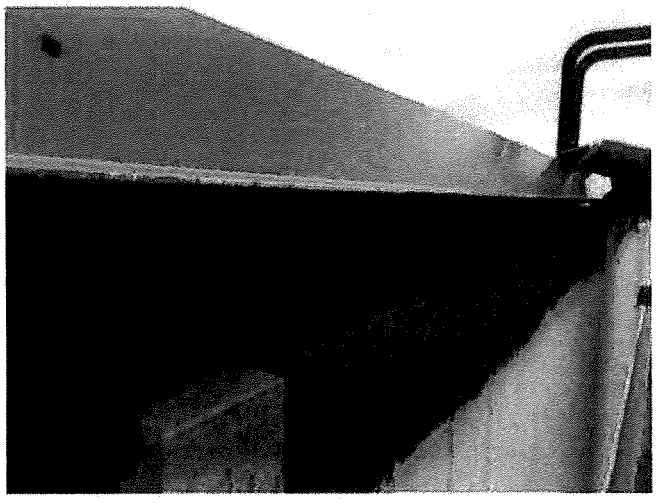
1. Inspect the Tremco Roof both field and baseflashings as the roof is still under warranty
2. Inspect the interior parapet walls and counter-flashings for defects
3. Inspect coping cap metal - remove sections of coping cap and inspect
4. Conduct Rilem Tube Tests on both the interior parapet walls and the exterior building walls

Building Analysis Report
Leak Investigation

Observations:

1. A visual inspection of the roof field membrane and baseflashings were conducted by Pat Sova, Technical Services Supervisor Tremco / WTI. We both agree that the roof and the baseflashings are not the source of the leaks.
2. Patrict Sova removed sections of the Coping Cap attached along the top of the parapet walls. The purpose was to inspect the attachment, the lap joints, the water proofing membrane under the cap, the wood nailer, and the top of the block wall were possible.





Sections of Coping Cap Metal were removed in four (4) locations, one section along each of the four upper walls. There is no felt or waterproofing membrane barrier applied under the coping cap metal. This is a concern, but upon further investigation, both Patrick and I do not believe that the coping cap metal is the source of the leaks for the following reasons:

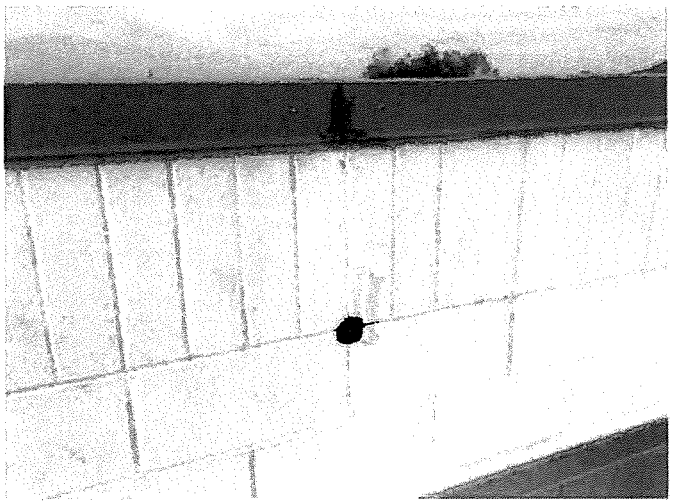
1. The Wood nailer shows no water stains and is dry as a bone.
2. There is not water stains along the top of the parapet walls under the coping cap metal.
3. The seam plates are well sealed and the sealant used is still moist sticky.
4. Overall the coping cap seam to be well sealed and watertight.
5. Defects: Two defects were detected: 1. no felt or waterproofing under coping cap. 2. inadequate number of fasteners per 10' section of metal coping - 3 per 10' section.

Recommendations:

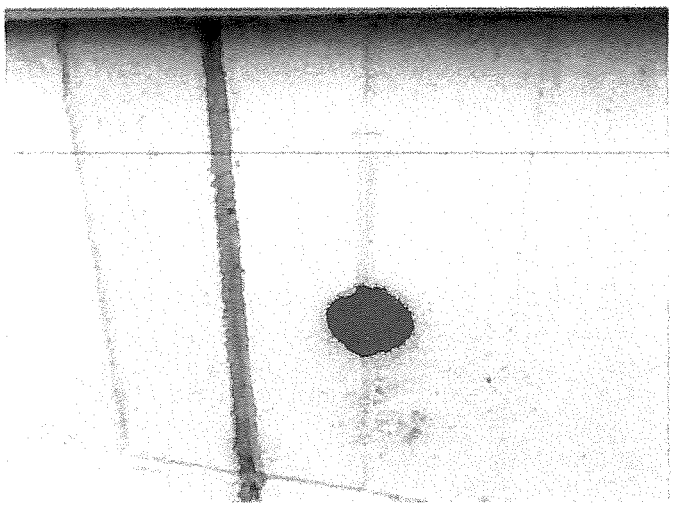
1. Add additional fasteners to assure coping will not blow off.
2. Remove metal coping and add a self adhering high temperature rated waterproofing barrier under coping metal and re-install.

Observations Continued:

3. Rilem Tube tests were performed on interior parapet walls. The results indicated that the interior walls were not absorbing water and appear to be well sealed.
4. A visual inspection of the counter flashing shows little to no water stains. This is importand and will be mentioned later in this report.
5. Patrick and I both agree that the interior parapet walls are not the source of the leaks.



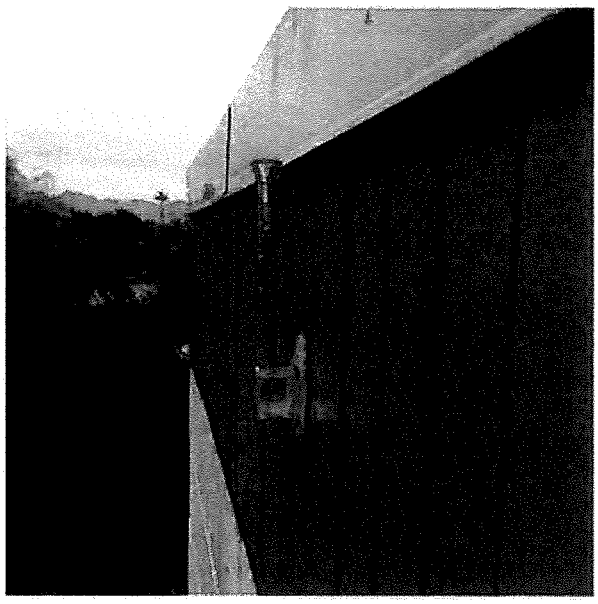
Multiple tests were conducted on the interior parapet walls. The interior parapet wall appear to have been coated with Tremco Wall-tite Coating. Tremco Wall-Tite Coating has been re-named and is labeled as Solargard Hy-build. The interior walls are sealed.

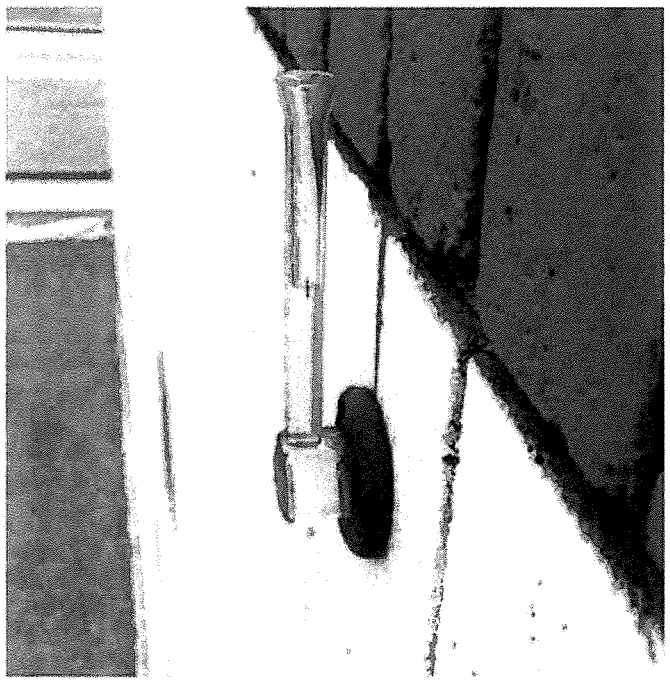


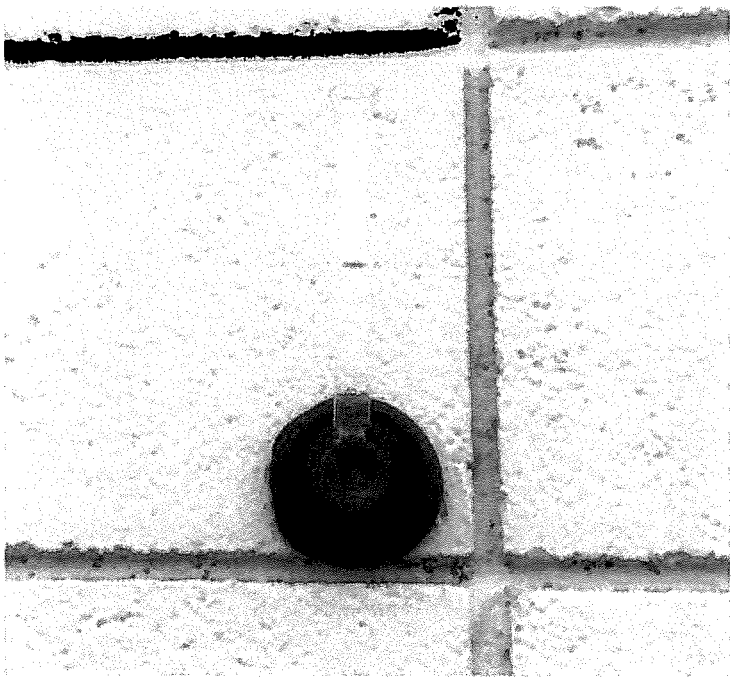
TREMCO
ROOFING & BUILDING MAINTENANCE

Observations Continued:

6. Rilem Tube Test were also conducted on the exterior walls in a number of locations. To our surprise the exterior walls absorbed water quickly in almost all test locations.
7. The block painted red along the top and middle of the wall absorbed water at a faster rate than the cream colored block. Regardless, the exterior walls absorbed water.
8. In our opinion the exterior walls are a major source of the buildings leaks.







As we observed on test conducted on the central red block painted area near the upper access ladder, as the water was absorbed from the tube into the wall, we noticed that water started to drip out of the mortar joint below the block being tested. At first we thought the seal around the tube was leaking, but as we continued to investigate, we determined that the block was absorbing water and leaking out of the block at the mortar joint. There is little doubt that the block is absorbing water.

Recommendations and Summary:

1. The inspections resulted in eliminating the Roof and interior parapet walls likely sources for the leaks
2. The coping cap metal although installed without a waterproofing membrane under the sheet metal is likely not the primary source of the leaks. If the coping cap metal is leaking, it is likely a minor contributor.
3. The Control Joints may also be contributing to the leaks in a few areas, but if the exterior of the building is sealed, the control joints will also be repaired and sealed as part of the project.
4. The counter-flashings and roof baseflashings do not appear to be a major contributing factor to the leaks.
5. The primary source of the leaks appear to be the the exterior walls:
    1. Rilem Tube test were conducted.
    2. The tests confirmed that the block CMU walls are absorbing water.
    3. The interior parapet walls have been sealed with a waterproofing coating and are not absorbing water.
6. Our recommendation is to coat the entire exterior surface with a quality elastomeric coating designed specifically to seal CMU block.
7. The recommended product: Solargard Hy-build.

SECTION 099653 - ELASTOMERIC COATINGS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes surface preparation and application of elastomeric coatings to the following exterior substrates:

1. Concrete
2. Concrete unit masonry
3. Split face concrete unit masonry
4. Stucco

1.2 SUBMITTALS

A. Product Data: For each type of product.
1. Indicate VOC content.

B. MSDS: For each type of product or chemical that will be on site

C. Warranties: Sample of manufacturers warranty that meets the requirement for the special warranties

1.3 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents

1. Quantity: Furnish an additional 5-gal bucket of each material, color, and texture applied.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F.

1. Maintain containers in clean condition, free of foreign materials and residue.
2. Remove rags and waste from storage areas daily.

1.5 QUALITY ASSURANCE

A. Applicator's Qualifications: A qualified firm that is approved, authorized, or licensed by the coating system manufacturer to apply the manufacturer's product and that is eligible to receive the manufacturer's warranty.

B. Manufacturer's Technical Representative Qualifications: An authorized full-time employee representative of manufacturer experienced in the application and maintenance of the specified coating system and qualified to determine the installer's compliance with the requirements of this project.

C. Source Limitations: Obtain components for coating system from or approved in writing by coating system manufacture.

1.6 FIELD CONDITIONS

A. Apply coatings only when temperature of surfaces to be coated and ambient air temperatures are between 50 and 90 deg F unless otherwise permitted by manufacturer's written instructions.

B. Do not apply coatings in snow, rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.

C. Allow wet surfaces to dry thoroughly and attain temperature and conditions specified before starting or continuing coating operation.

1.7 WARRANTY

A. Special warranties: Coating Manufacturer's Warranty Agreement in which the coating manufacturer agrees to repair or recoat wall components that fail in material or workmanship within the specified warranty period.
   1. Special warranty shall include the following:
      a. Coated wall surfaces shall remain free from leaks during the term of the warranty period.
      b. Should leaks occur in during the warranty period, the coating manufacturer will furnish labor and materials to correct the affected areas (s).
   2. Manufacturers Warranty Period: 10 years

B. Coating Contractor Warranty: Submit Coating Applicators warranty, signed by Contractor, covering workmanship, including all components of the coating application, such as caulking, wall repairs, control joints, sheet metal, etc. for the following warranty period:
   1. Warranty period: Two years from date of substantial Completion

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Basis-of-design Coating System Manufacturer/Product: The Coating systems specified in this section is based upon Republic Restoration System by Tremco products named in other Part 2 articles. Subject to compliance with requirements, provide the named product or an approved comparable product by one of the following:
   1. Tremco Roofing and Building Maintenance, Beachwood, OH.
   2. Prior Approved Equal

B. **Elastomeric Wall Coating**: Basis of Design Product: Tremco, Solargard Hy-Build Elastomeric Roof and Wall Coating. A Single-component, fluid-applied, water-based, fibrated, pigmented acrylic elastomer Coating with the following properties:
   1. Weight per Gallon, ASTM D 1475, 11.1 +/- 0.2lbs
   2. Specific Gravity, ASTM D-1475, 1.33 +/- 0.02
   3. Solids by Weigh, ASTM D-1353, 63% +/- 1%
   4. Solids by Volume, 51% +/- 1%
   5. Elongation @ 77 degree F, ASTM D-2370, 150% +/- 25%
   6. Flexibility @ 0 degree F, ASTM D-1737, Passes 1/8 inch mandrel
   7. Tensile Strength @ 77 degree F, ASTM D-2370, 450 +/- 50psi
   8. Shore "A" Hardness, ASTM D-2240, 70 +/- 10
   9. Dry Time, ASTM D-1640, 1 hour
   10. Flash Point, ASTM D-3278, None
   11. VOC Content: 50g/L or less
   12. Clean-up, Water
   13. Color: [As scheduled] [Match Architect's custom color] for number of colors indicated on Drawings.

C. Masonry Primer: Basis of Design Product, Tremco, Solargard Masonry Primer, an acrylic primer formulated from 100% acrylic resins with the following properties:
   1. Weight per Gallon, ASTM D-1475, 12.1 +/- 0.2 lbs.
   2. Solids by Volume, 41% +/- 1%
   3. Solids by Weight, 59% +/- 1%
   4. Viscosity @ 77 degrees F, ASTM D-562, 75 Ku =/- 1 KU
   5. Abrasion resistance, Excellent
   6. Flexibility, ASTM D-1737
   7. Dry Time, 1 hour to dust Free, 2 hours to tack free, Overnight to hard
   8. Flashpoint, ASTM D-3278, None
   9. VOC 62 g/l

D. Repair Material: Basis of Design Product, Tremco, Solargard Acrylic Sealer, a high solids acrylic elastomeric sealer with the properties:
   1. Weight per Gallon, 11.3 +/- 0.2 lbs
   2. Total Solids, 68% +/- 2%
   3. Viscosity 70,000cps
   4. Flashpoint, None
   5. Dry Tensile Strength, 500 psi +/- 50
   6. Dry Elongation, 315% +/- 50%
   7. Hardness, 45 Shore A
   8. Impact Resistance, Exceeds 160 in./lb.

E. Mortar Mix: The following Mortar Mix is recommended:
   1. 1 part by volume gray or white non-staining Portland cement, ASTM C-150, Type I or II.
   2. 1 part by volume of hydrated lime, ASTM C-207, type S.
   3. 6 parts by volume, clean, fine sharp sand, ASTM C-144

F. Polyurethane Sealant: Basis of Design Product, Tremco, TremSEAL D, One component Polyurethane Sealant Caulking

2.2 ACCESSORY MATERIALS

A. Crack Fillers: Elastomeric coating manufacturer's recommended, factory-formulated crack fillers or sealants, including crack filler primers, compatible with substrate and other materials indicated.

B. Concrete Unit Masonry Block Filler: Elastomeric coating manufacturer's recommended, factory-formulated, high-performance latex block filler compatible with substrate and other materials indicated.

PART 3 - EXECUTION

3.1 CLEANING & REPAIRS

A. Clean all surfaces prior to application of primer or coating.
   1. Surface must be free of loose mortar, dirt, grease, oil, loose paint, and other foreign matter, which could prevent proper adhesion.
   2. Previously painted surfaces shall be thoroughly cleaned with a high-pressure waterblast to remove loose paint or excessive chalking.
   3. All mold and mildew must be removed from surface and pores of areas being coated.

B. Surface Repairs: All damaged areas must be repaired prior to application of primer and coating.

C. Large Cracks: Cracks 30 mils or thicker must be repaired using manufacturers recommended repair material.
   1. Fill cracks according to manufacturers written instructions before coating surfaces.

2. Fill with Acrylic Sealer

D. Spelled or deteriorated Concrete: Repair using concrete patching and resurfacing compound

E. Block Fillers: Apply at a rate to ensure complete coverage with pores filled

F. Mold or Mildew: All Mold or Mildew must be removed.
1. All surfaces including Mortar joints must be free of Mold or Mildew prior to application of primer or coating materials.

G. Repointing/tuckpointing Mortar Joints
1. Deteriorated mortar must be removed either mechanically or by hand.
2. Removal should extend at least 2" to 6" into surrounding sound joints

H. All control Joints must be inspected and repaired as needed to a watertight condition

3.2 EXAMINATION

A. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.

B. Begin coating application only after unsatisfactory conditions have been corrected and surfaces are dry.

3.3 APPLICATION

A. Apply elastomeric coatings according to manufacturers written instructions.

1. Use equipment and techniques best suited for substrate and type of material being applied.
2. Coat surfaces behind movable items the same as similar exposed surfaces.
3. Apply each coat separately according to manufacturers written instructions.

B. Primers: Apply specified primer by brush, roller, or spray equipment.
1. All surfaces shall be primed prior to application of wall coating.
2. Application Rate Previously painted surfaces: 200 sq. ft./gal or 8 wet mils
3. Application Rate over porous (non painted or sealed) surfaces: 100 sq. ft./gall or 16 wet mils
4. Primer should be applied in a one coat application

C. Finish Coat Application: Apply Coating to manufacturers written guidelines.
1. Coating may be applied by Brush, Long nap roller, or spray equipment
2. Coverage Rate: minimum of 24 wet mils or 1-½ gallons per 100 sq. ft.
3. Split Block surfaces or porous surfaces may take more coating to achieve a uniform wet mil thickness.
4. Coating may be applied in one or more coats. Specified Coating can be applied up to 40 wet mils without sag. Recommended coverage rate per application is approx. 24 to 32 wet mils.
5. Apply additional coats as needed to meet the minimum coverage rate to achieve the specified manufacturers warranty.
   a. Apply coating as needed so that raised surfaces on split face block achieve minimum coverage rate.
6. Apply coatings to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

D. Apply coatings to prepared surfaces as soon as practicable after preparation and before subsequent surface soiling or deterioration.

1. Coating must be applied within 72 hours of primer coat application.
2. If primer coat is left exposed longer than 72 hours, primer must be reapplied prior to coating top coat application.

E. Spray Application: Use spray equipment for application only when permitted by authorities having jurisdiction. Wherever spray application is used, do not double back with spray equipment to build up film thickness of two coats in one pass.

3.4 FIELD QUALITY CONTROL

A. Testing Agency: Architect may engage a qualified independent testing inspecting agency to perform tests and inspections and prepare test reports.

B. Coating Contractor shall arrange for Coating Manufacturer to conduct bi-weekly inspection each week for the duration of the project.
1. Coating Manufacturer shall provide a representative to conduct job site inspections a minimum of 2 times per week during construction.
2. Manufacturers representative shall provide a written report to the contractor, architect and owner after each inspection.
3. Defects observed or repairs or adjustments needed shall be noted in the report.

C. Final Wall Coating Inspection: Coating Contractor shall arrange for Coating System Manufacturer's Technical personnel to inspect the coating application on completion and submit report to architect.
1. Notify Architect 48 hours in advance of date and time of inspection

D. Repair or remove and replace components of the coating system where test results or inspections indicate that they do not comply with the specified requirements.

E. Additional testing and inspecting, at contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.

3.5 CLEANING AND PROTECTION

A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.

B. After completing coating application, clean spattered surfaces. Remove spattered coatings by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.

C. Protect work of other trades against damage from coating application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.

D. At completion of construction activities, touch up and restore damaged or defaced coated surfaces.

END OF SECTION 099653

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Mohave Valley Elementary**
BRG Project Number: **080416103-1002-022BRG** Mohave County
Project Description: **Repair crack in cinder block**
Engineer: Ludwig Engineering (928-768-1857)
Contractor: TBD

Board approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost:		**$ -**
Contingency ①		**$ 1,000**
Additional Cost:		
Architecture / Engineering (A&E) Fees		$ 8,000
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		**$ 8,000**
Total SFB Funded Project Cost:		**$ 9,000**
District or Local Funds:		$ -
SFB Board Approved Amount:		**$ 9,000**
Total Project Cost:		**$ 9,000**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: 9/22/2014 2:22:58 PM **Application ID:** 1550
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: Mr. Whitney Crow

Contact Person: Mr. David E. Berard

Contact Phone Number: 928 768 8700

Contact Email: berardd@mvdistrict.net

School Site: Mohave Valley Junior High School

Buildings: 1001 Building A

Application Title: Cider Bolck Cracking

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 an inspection with Dave Kennon this morning it was discovered there were numerous cider blocks, from the top to the bottom of the south west side of the building.

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

Superintendent Printed Name

Superintendent Signature Date

Ludwig Engineering ASSOCIATES, INC.
Civil Engineering • Surveying • Planning

California
109 E. 3rd St.
San Bernardino, CA 92410
Ph. 909-884-8217
Fax 909-889-0153
Toll Free 800-879-1282
www.ludwigeng.com

15252 Seneca Rd.
Victorville, CA 92392
Ph. 760-951-7676
Fax 760-241-0573

Arizona
5890 Highway 95, Ste. B
Fort Mohave, AZ 86426
Ph. 928-768-1857
Fax 928-768-7086

2126 McCulloch Blvd., Ste. 8
Lake Havasu City, AZ 86403
Ph. 928-680-6060
Fax 928-854-6530

Client:
MOHAVE VALLEY ELEMENTARY SCHOOL DISTRICT #16
ATTN DAVID BERARD AND DAVID KENNON
8450 OLIVE, MOHAVE VALLEY, AZ 86440
928-768-8700
Phone Fax

Engineering Contract & Arizona Preliminary Twenty-Day Lien Notice

Date Order Recd: 09/26/14
Job No. MO-0472.AZ

Description of Work Ordered With Legal Description of Property:

MOHAVE VALLEY ELEMENTARY SCHOOL -
1) ASSESS AND ANALYSIS OF SOUTH WALL FOR STRUCTURAL STABILITY

Note: The above represents the scope of work to be performed. If any of the information shown herein is not in accordance with your instructions, please advise us immediately in order to avoid possible errors or misunderstanding. Schedule A – Standard Provisions of Agreement attached is part of this contract.

Property Owner & Address: MVESD #16, P.O. BOX 5070 MOHAVE VALLEY, AZ 86446
Lender & Address:
Person/Entity Ordering Work: DAVID KENNON
Charges: FIXED FEE $8,000.00 CLIENT TO PAY ALL APPLICABLE FEES

Note to Property Owners:
If bills are not paid in full for the labor, professional services, materials, machinery, fixtures, or tools furnished, or to be furnished, a Mechanic's Lien leading to the loss, through court foreclosure proceedings, of all or part of your property being improved may be placed against the property. You may wish to protect yourself against this consequence by either:
1. Requiring your contractor to furnish a Conditional Waiver and Release pursuant to Arizona Revised Statutes Section 33-1008, Subsection D, Paragraphs 1 and 3 signed by the person or firm giving you this notice before you make payment to your contractor.
2. Requiring your contractor to furnish an Unconditional Waiver and Release pursuant to Arizona Revised Statutes Section 33-1008, Subsection D, Paragraphs 2 and 4 assigned by the person or firm giving you this notice after you make payment to your contractor.
3. Using any other method or device that is appropriate under the circumstances. Within 10 days of the receipt of this Preliminary Notice the Owner or other interested party is required to furnish all information necessary to correct any inaccuracies in the Notice pursuant to Arizona Revised Statutes Section 33-1003, Subsection 1 or lose as a defense any inaccuracy of that information. Within ten days of the receipt of this Preliminary Twenty Day Notice if any payment bond has been recorded in compliance with Arizona Revised Statutes Section 33-1003, the Owner must provide a copy of the payment bond including the name and address of the surety company and bonding agent providing the payment bond to the person who has given the preliminary Twenty Day Notice, in the event that the owner or other interested party fails to provide the information within that ten-day period, the claimant shall retain lien rights to the extent precluded or prejudiced from asserting a claim against the bond as a result of not timely receiving the bond information.

The above represents the scope of work to be performed. If any of the information shown hereon is not in accordance with your instructions, please advise us immediately in order to avoid possible errors or misunderstanding.

Signature of Ludwig Engineering Associates, Inc. Representative

MEHDI AZARMI
Printed Name of Ludwig Engineering Associates, Inc. Representative

PROJECT MANAGER 09/26/14
Title Date Signed

Signature of Authorizing Person

Printed Name of Authoring Person

Title Date Signed

Ludwig Engineering
ASSOCIATES, INC.
Civil Engineering • Surveying • Planning

California
109 E. 3rd St.
San Bernardino, CA 92410
Ph. 909-884-8217
Fax 909-889-0153
Toll Free 800-879-1282
www.ludwigeng.com

15252 Seneca Rd.
Victorville, CA 92392
Ph. 760-951-7676
Fax 760-241-0573

Arizona
5890 Highway 95, Ste. B
Fort Mohave, AZ 86426
Ph. 928-768-1857
Fax 928-768-7086

2126 McCulloch Blvd., Ste. 8
Lake Havasu City, AZ 86403
Ph. 928-680-6060
Fax 928-854-6530

Schedule "A"
Standard Provisions of Agreement

1. The Client binds himself, his partners, successors, executors, administrators, and assigns to the Engineer to this agreement in respect to all of the terms and conditions of this Agreement.
2. Neither the Client nor Engineer shall assign his interest in this Agreement without the written consent of the other.
3. No conditions or representations altering, detracting from, nor adding to, the terms hereof shall be valid unless printed or written hereon or evidenced in writing by either party to Agreement and accepted in writing by the other.
4. One or more waivers of any term, condition or covenant by the Engineer shall not be construed by the Client as a waiver of a subsequent breach of the same or any other term, condition or covenant.
5. In the event any provision of this Agreement shall be held to be invalid and unenforceable, the other provision of this Agreement shall be valid and binding on the parties hereto.
6. The Engineer is not responsible for delay, nor shall Engineer be responsible for damages or be in default or deemed to be in default of reason of strikes, lockouts, accidents, or acts of God; or failure of Client to furnish timely information or to approve or disapprove Engineer's work promptly; or delay or faulty performance by the Client, other contractors, or governmental agencies; or any other delays beyond Engineer's reasonable control.
7. Engineer shall not be liable for damages resulting from the actions or inactions of governmental agencies including, but not limited to, permit processing, environmental impact reports, dedications, general plans and amendments thereto, zoning matters, annexations or consolidations, use or conditional use permits, and building permits and Engineer shall only act as an advisor in all governmental relations.

   In the event of litigation on this agreement, the laws of the state in which the work was contracted shall govern the interpretation thereof, and all disputes or controversies arising hereunder. In the event that Client institutes a suit against Engineer because of any failure or alleged failure to perform, error, omission, or negligence, and if such suit is not successfully prosecuted, or it is dismissed, or if verdict is rendered for Engineer, Client agrees to pay Engineer any and all costs of defense, including attorney's fees, expert witnesses' fees, and court costs and any and all other expenses of defense which may be needful, immediately following dismissal of the case or immediately upon judgment being rendered in behalf of Engineer.
8. In the event that litigation be instituted under the terms and conditions of this Agreement, the same is to be brought and tried in judicial jurisdiction of the court of the county in which the Engineer's place of business is located and Client waives the right to have the suit brought, or tried in, or removed to any other county or judicial jurisdiction.
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 litigations and collection expenses, witness fees and court costs, and attorney's fees shall be paid to the prevailing party.
10. There are not understandings or agreements except as herein expressly stated.
11. All original papers and documents, and copies thereof, produced as a result of this contract, except documents that are required to be filed with public agencies, shall remain the property of the Engineer and may be used by the Engineer without the consent of the Client.
12. Services provided within this Agreement are for the exclusive use of the Client for the project only.
13. Client and Engineer agree to cooperate with each other in any and every way or manner on the project.
14. Upon written request, each of the parties hereto shall execute and deliver, or cause to be executed and delivered, such additional instruments and documents, which may be necessary and proper to carry out the terms of this Agreement.
15. The terms and provisions of this agreement shall not be construed to alter, waive, or affect any lien or stop notice rights, which the Engineer may have for the performance of services under this agreement.
16. The Engineer makes no representation concerning the estimated quantities and cost figures made in connection with maps, plans, specifications, or drawings other than that as such figures are estimated only and the Engineer shall not be responsible for fluctuations in cost factors.
17. Engineer makes no warranty, either express or implied, as to his findings, recommendations, specifications, or personal advice except that the work was performed pursuant to generally accepted standards of practice in effect at the time of performance.
18. Engineer makes no representation concerning soil conditions unless specifically included in writing in this agreement, and he is not responsible for any liability that may arise out of the making or failure to make soil surveys, or subsurface soil tests, or general soil testing.
19. Estimate of areas provided under this agreement are not to be considered precise unless Engineer specifically agrees to provide the precise determination of such areas.

20. In the event that any changes are made in the plans and specifications by the client or persons other than the Engineer, which affects the Engineer's work, any and all liability arising out of such changes is waived as against the Engineer and the client assumes full responsibility for such changes unless client has given Engineer prior notice and has received from the Engineer written consent for such changes.

21. The Engineer is not responsible, and liability is waived by client as against Engineer, for use by client or any other person of any plans or drawings not assigned by the Engineer.

22. Engineer has a right to complete all services agreed to be rendered pursuant to this contract. In the event this agreement is terminated before the completion of all services, unless Engineer is responsible for such early termination, client agrees to release Engineer from all liability for work performed.

23. Client agrees that Engineer will not perform on-site construction review for this project unless specifically provided for in this agreement, that such services will be performed by others, and that the client will defend, indemnify, and hold Engineer harmless from any and all liability arising from or resulting from the performance of construction review by other persons. In the event of any job site visits by Engineer, job visits shall not be deemed as an assumption of construction review responsibilities by the Engineer. Such responsibilities shall remain with others.

24. The client agrees that in accordance with generally accepted construction practices, the construction contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property; that this requirement shall be made to apply continuously and not be limited to normal working hours; and the client further agrees to defend, indemnify, and hold Engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting liability arising from the sole negligence of the Engineer.

25. The client agrees to limit the Engineer's liability to the client and to all contractors and subcontractors on the project, due to professional negligent acts, errors, or omissions of the Engineer to the sum of the Engineer's fees.

26. All fees and other charges will be billed as agreed and shall be due at the time of billing unless otherwise specified in this agreement.

27. Client hereby agrees that the balance as stated on the billing from the Engineer to the client is correct, conclusive and binding on the client unless client within (10) ten days from the date of the making of the billing notifies Engineer in writing of the particular item that is alleged to be incorrect.

28. A late payment FINANCE CHARGE will be computed at the periodic rate of 1.5% per month, which is an ANNUAL PERCENTAGE RATE of 18%, and will be applied to any unpaid balance commencing 14 days after the date of the original invoice.

29. In the event that the plans, specifications, and/or field work covered by this contract are those required by various governmental agencies and in the event that due to change of policy of said agencies after the date of this agreement, additional office or field work is required, the said additional work shall be paid for by client as extra work.

30. In the event of any increase of costs due to the granting of wage increases and/or other employee benefits to field or office employees due to the terms of any labor agreement, or rise in the cost of living, during the lifetime of this agreement, such percentage increase shall be applied to all remaining compensation.

31. In the event that an act of God or parties other than Engineer destroy any staking, the cost of re-staking shall be paid for by client as extra work.

32. The client shall pay the costs of checking and inspection fees, zoning and annexation application fees, assessment fees, soils engineering fees, soils testing fees, aerial topography fees, and all other fees, permits, bond premiums, title company charges, blueprints and reproductions, and all other charges not specifically covered by the terms of this agreement.

33. In the event all or portion of the work prepared or partially prepared by the Engineer be suspended, abandoned, or terminated, the client shall pay the Engineer for all fees, charges, and services provided for the project, not to exceed any contract limit specified herein.

34. In the event of any litigation, client agrees to pay to Engineer interest on all past due balances at the rate of ten per cent per annum.

35. In the event client fails to pay Engineer within ten (10) days after invoices are rendered, client agrees that the Engineer shall have the right to consider said default a total breech of this agreement and, upon written notice, the duties, obligations and responsibilities of the Engineer under this agreement are terminated. In such event, client shall then promptly pay Engineer for all of those fees, charges, and services provided by Engineer.

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Scottsdale Unified**
BRG Project Number: **070248107-9999-034BRG** Maricopa County
Project Description: **Replace 60-ton chiller/tower/pump**
Consultant: ADM Group (480-285-3800)
Contractor: TBD

Board Approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost (cost estimate provided by architect or contractor)		$ -
Contingency ①		$ -
Architecture / Engineering (A&E) Fees		$ 9,975
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		**$ 9,975**
Total SFB Funded Project Cost:		**$ 9,975**
District Share (Local Funds):		$ -
SFB Board Approved Amount:		**$ 9,975**
Total Project Cost:		**$ 9,975**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: 12/23/2014 5:24:30 PM **Application ID:** 1746

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:	Kiva Elementary School
Buildings:	1012 L 1013 MN

Application Title: Building L,M, and N water cooled 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.

The 20+ year air cooled chiller has a shorted out reciprocating compressor (1 of 2), the baffles on water side of existing DX evaporator may be compromised. The 20 year old cooling tower structure is compromised due to rust in critical areas of its support members. At this time we request for professional Mechanical Engineering services to determine the full extent of all the deficiencies recently discovered. The Mechanical Engineer services cost is $ 11,055.00.

Project Category: HVAC

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

Available Funding

Amount of Local funds planned for this project	$0.00

Please outline any associated insurance coverage.

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

Superintendent Printed Name

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

January 23, 2015

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

adm group
2100 West 15th Street
Tempe, Arizona 85281-6942

o. 480.285.3800
f. 480.285.3801
www.admgroupinc.com

Re: Kiva Elementary School
Mechanical System Replacement (60 Ton Chiller System)
Performance Specifications

Subj: Proposal for Services

Dear Mr. Monreal:

Thank you for the opportunity to submit a proposal for services for the scope of work at Kiva Elementary School. We will work with Johnston Engineering Company to coordinate the following services.

SCOPE OF WORK:

The scope of services is for performance specifications to replace a water cooled chiller and cooling tower at Kiva Elementary School and includes the following:

1) site visit by the mechanical engineer
2) construction performance specifications
3) limited construction administration during construction
The performance specifications will be passed onto three contractors for price quotes.

FEE PROPOSAL

ADM Group proposes to provide the scope of work identified above for a lump sum fee of Nine Thousand Nine Hundred Seventy Five and 00/100 Dollars ($9,975.00) plus reimbursable expenses as described below. The fee breakdown is as follows:

Mechanical Engineering Services	$7,075
Electrical Engineering Services (allowance)	$2,900
Total	$9,975

Reimbursable Expenses are in addition to compensation for Basic and Additional Services and include expenses incurred by ADM Group and ADM Group's employees and consultants in the interest of the Project, as identified in the following clauses. Payments for reimbursable expenses shall be billed at cost times a factor of 1.15 for administration and handling unless noted otherwise.

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

ADDITIONAL SERVICES

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

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

Sincerely,

ADM Group, Inc.

Jenifer Weskalnies
Director of Architecture

ADM GROUP INC.
STANDARD HOURLY

RATE SCHEDULE

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

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

NMS:drs
08/22/13

JOHNSTON ENGINEERING COMPANY
HEATING, VENTILATION, AIR CONDITIONING, PLUMBING

DATE OF AGREEMENT: January 22, 2015

CLIENT: Scottsdale Unified School District
Attention: Carlos Monreal
9288 East San Salvador Drive
Scottsdale, AZ 85258

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

PROJECT: Kiva Elementary School — P-5007Rev
Mechanical System Replacement (60 Ton Chiller System)
Performance Specifications

CLIENT AND CONSULTANT AGREE TO THE FOLLOWING:

A. The terms and conditions the Standard form of Agreement Between Architect / Engineer and Owner, Scottsdale Unified School District.

B. The scope of services of the Consultant are for performance specifications to replace a water cooled chiller and cooling tower at Kiva Elementary School. The scope includes performance specifications for: (1) site visit; (2) construction performance specifications; and (3) 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 KIVA ELEMENTARY SCHOOL					
Activity	**Task Description**	**Principal Engineer**	**Project Manager**	**Mech. Designer**	**$ Fixed Fee**
Pre-Design	Field Investigation	-	4	-	$420.00
	Load Calculations	-	2	-	$210.00
Performance Specifications	Cover Sheet	-	2	-	$210.00
	M0.1 Symbols, Abbrev.	-	1	-	$105.00
	M0.2 General Notes	-	1	-	$105.00
	M0.3 Schedules + Details	1	4	-	$570.00
	M0.4 Diagrams & I/O Summaries	1	6	-	$780.00
	M1.1 Mech Demo Plan	1	6	-	$780.00
	M2.1 Mech Floor Plan	2	8	-	$1,140.00
	Specifications	1	4	-	$570.00
	IECC	-	1	-	$105.00
	Electrical Engineering (Allowance see below)	-	-	-	-
Construction Administration (Limited)	(2) Site Visits During Construction	-	8	-	$840.00
	Office Engineering During Construction	1	8	-	$990.00
	Electrical Shop Drawings (Allowance see below)	-	-	-	-
	Direct Costs	-	-	-	$250.00
	TOTAL FEE	7	55	0	**$7,075.00**

The basic service is for $7,075.00 for mechanical engineering. An allowance of $2,900.00 should be planned for electrical engineering. Additional services, such as additional trips or construction management, can be performed at the following hourly rates:

Principal Engineer	=	$150/HR
Project Manager	=	$105/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.

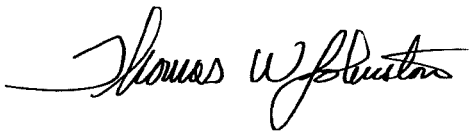
I. This proposal is based on the following assumptions:

General

1. Scottsdale Unified School District 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. (Carlos Monreal (480) 284-3192)
4. Engineer will coordinate with the District to manage the design activities.
5. Engineer will prepare performance specifications in drawings and specifications for purposes of this project.
6. Construction administration is limited, see **Table 1**.
7. Engineer will specify phase protection on all equipment.
8. Engineer will specify equipment considering low sound levels.
9. Engineer will research and recommend chiller and cooling tower modifications.
10. Electrical engineering is not included in the basic fee. An allowance has been included at $2,900.00.

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



Thomas W. Johnston, P.E.
President

SCOTTSDALE UNIFIED SCHOOL DISTRICT

Signature_____

Printed Name_____

Title_____

Date_____

STATE OF ARIZONA
SCHOOL FACILITIES BOARD

Meeting Date: February 4, 2015 **Agenda Item VII.e.**

Subject: **VII. Building Renewal Grant Requests**
e. Consideration and possible vote to accept, reject or modify Building Renewal Grant Requests (design awards)

Round Valley Unified

Background – Round Valley Unified (Round Valley MS – exterior reseal)
Round Valley Unified has submitted a Building Renewal Grant request for the reseal/repaint of the gymnasium Building 1002 at Round Valley Middle School.

Round Valley Unified, located 225 miles northeast of Phoenix in Springerville, has four schools. Round Valley Middle School is comprised of two buildings constructed in 1979 and 1983, totaling 86,168 square feet. Building 1002 was built in 1979, totaling 26,793 square feet.

Staff has visited the site and agrees with the need to repaint/reseal the exterior of the building due to the results of Rilem Tube testing. The district has received a proposal to provide a performance specification to reseal the entire gymnasium building at a cost of $2,960. Additionally, an estimate of $5,000 for an asbestos survey of the exterior paint on all surfaces has been provided.

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

The district meets this criteria including doing preventative maintenance.

Staff Recommendation – Round Valley Unified (Round Valley MS – exterior reseal)
Staff recommends that Round Valley Unified be awarded $7,960 in Building Renewal Grant funding for a performance specification and asbestos survey for the reseal/repaint of the gymnasium Building 1002 at Round Valley Middle School.

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

Board approval of the staff recommendation that **Round Valley Unified** be awarded $7,960 in Building Renewal Grant funding for a performance specification and asbestos survey for the reseal/repaint of the gymnasium Building 1002 at Round Valley Middle School.

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

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Round Valley Unified**
BRG Project Number: **010210103-1002-005BRG** Apache County
Project Description: **Exterior reseal**
Consultant: Red Tree Consulting Group (602-989-2433)
Contractor: TBD

Board Approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost:		$ -
Contingency ①		$ -
Additional Cost:		
Architecture / Engineering (A&E) Fees		$ 7,960
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		**$ 7,960**
Total SFB Funded Project Cost:		**$ 7,960**
District or Local Funds:		$ -
SFB Board Approved Amount:		**$ 7,960**
Total Project Cost:		**$ 7,960**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 104
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Building Renewal Grant Application

Initial Submission Date: 9/24/2014 11:32:07 AM **Application ID:** 1554
Resubmittal Date: 11/4/2014 12:17:25 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: Round Valley Unified District

Superintendent: Travis Udall

Contact Person: Voigt LeSueur

Contact Phone Number: 928-333-6780

Contact Email: vlesueur@elks.net

School Site: Round Valley Middle School

Buildings: 1002 Gymn

Application Title: Painting Old Gym

Description of Problem

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

As per a test conducted by Pat Cruise on the gym block wall it was determined that the wall is no longer water proof. The block is showing damage inside the building. Mr Cruise also has pictures and test results as attachments.We would like to paint to weather proof again

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

TRAVIS UDALL
Superintendent Printed Name

Superintendent Signature

11-6-14
Date

RedTree
CONSULTING GROUP

July 3, 2014

Mr. Voigt LeSueur
Transportation & Maintenance Director
Round Valley School District # 10
PO Box 610
Springerville, AZ 85938

RE: **Round Valley Middle School Gymnasium**
Exterior Façade Evaluation / Paint Performance Specification

Mr. LeSueur,

Below are the proposed consulting fees for the Gymnasium exterior façade evaluation and paint performance specification at the Round Valley Middle School Gymnasium.

DESCRIPTION	**ESTIMATED FEE**
Licensed Architect Site Visit; survey school structure to include but not limited to, metal flashings, sealants, exterior surfaces and surrounding conditions in preparation of drafting an exterior paint performance specification. Draft a paint performance specification, including repairs if any, for the repainting of the Gymnasium for contractor bid solicitation (Mileage and travel time included if Gymnasium initial exterior façade evaluation is conducted in conjunction with emergency lighting project).	$ 2,960.00

Reimbursable expenses for reprographic work, etc are at cost plus 10%. Mileage is reimbursed at current IRS mileage rate at the time of work. Additional work is at standard hourly rates and will be defined and approved in writing by Owner prior to commencement of work.

Thank you for allowing Red Tree Consulting Group the opportunity to provide these services to you. We look forward to providing you a comprehensive solution. Red Tree will confirm any change to the above scope of work prior to executing any additional services. If you have any questions regarding this estimated fee proposal, please feel free to contact me at your convenience.

Thank you,

Michael L. Crow
Director of Field Operations, Partner
602.989.2433
mcrow@redtreeco.com

STATE OF ARIZONA
SCHOOL FACILITIES BOARD

Meeting Date: February 4, 2015 **Agenda Item VII.f.**

Subject: **VII. Building Renewal Grant Requests**
f. Consideration and possible vote to accept, reject or modify Building Renewal Grant Requests (denial)

Florence Unified
Show Low Unified

Background – Florence Unified (Poston Butte HS – add HVAC to weight room)
Florence Unified has submitted a Building Renewal Grant request for the design and installation of a new air conditioning unit in the weight room Building 1001 at Poston Butte High School.

The weight room never had an air conditioning unit as it was originally designed as a storage room. At some point, the district converted the storage room into a weight room.

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's request does not qualify as a primary building renewal project.

Pursuant to A.R.S. §15-2032:
"Primary building renewal projects" means projects that are necessary for buildings owned by school districts that are required to meet the minimum adequacy standards for student capacity and that fall below the minimum school facility adequacy guidelines, as adopted by the school facilities board pursuant to section 15-2011, for school districts that have provided routine preventative maintenance to the school facility.

Staff Recommendation
Staff recommends that Florence Unified's request for Building Renewal Grant funding for the design and installation of a new air conditioning unit in the weight room Building 1001 at Poston Butte High School be denied because the costs associated with the reconfiguration of storage room space into classroom space should be assumed by the district since the district elected to reconfigure the space.

Background – Show Low Unified (Linden ES - add nitrogen reduction plant)
On June 11, 2014, the Board awarded Show Low Unified $10,705 in Building Renewal Grant funding for an analysis and recommendation to repair of the sewer treatment system at Linden Elementary School (project number 090210116-9999-001BRG).

Show Low Unified, located 178 miles northeast of Phoenix in the White Mountains, has eight schools. Linden Elementary School is comprised of five buildings constructed between 1983 and 2000, totaling 27,320 square feet.

Linden Elementary School has a capacity of 298 students. The leach field, prior to 2007, was designed for 298 students plus 25 staff. Due to a problem with surfacing effluent water in 2007, the district enlarged the leach field to accommodate 350 students. Due to the retrofit of the

leach field, ADEQ required the district to install a nitrogen reduction plant to bring the water treatment into compliance with the ADEQ standards at that time, thus precipitating the Building Renewal Grant request.

The current septic system will support 203 students plus 20 staff and meets the ADEQ nitrogen standards. SFB records indicate the ADM was 186 students in 2013 and 160 students in 2014.

A proposal was submitted for the design/build of a nitrogen reduction plant at a cost of $565,885.

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 – Show Low Unified (Linden ES – add nitrogen reduction plant)
Staff recommends that Show Low Unified's request for Building Renewal Grant funding to install a sewer nitrogen reduction plant at Linden Elementary School be denied at this time and until the student count exceeds the capacity of the current septic design of 203 students. Project number 090210116-9999-001BRG requires no additional funding at this time.

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

1. Board approval of the staff recommendation that **Florence Unified**'s request for Building Renewal Grant funding for the design and installation of a new air conditioning unit in the weight room Building 1001 at Poston Butte High School be **denied** because the costs associated with the reconfiguration of storage room space into classroom space should be assumed by the district since the district elected to reconfigure the space.

2. Board approval of the staff recommendation that **Show Low Unified**'s request for Building Renewal Grant funding to install a sewer nitrogen reduction plant at Linden Elementary School be **denied** at this time and until the student count exceeds the capacity of the current septic design of 203 students. Project number 090210116-9999-001BRG requires no additional funding at this time.

Attachments: Yes [X] No [ ]

Building Renewal Grant Application

Initial Submission Date: 7/29/2014 2:36:57 PM **Application ID:** 1398
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: Florence Unified School District

Superintendent: Dr. Amy Fuller

Contact Person: Rich DeVries

Contact Phone Number: (520) 251-1877

Contact Email: rdevries@fusdaz.org

School Site: Poston Butte High School

Buildings: 1001 Main Building

Application Title: Renovate Existing Weight 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.

The weight room at Poston Butte High School has no HVAC System. This request includes a HVAC System and an insulated door to maintain a safe environment for our students. The HVAC System was never installed in this room during original construction. The facility is presently being cooled with portable evaporative coolers. Cooling taps are available to expand the existing system. Installation of a HVAC System will require replacement of existing non-insulated roll-up, with an insulated door.

Project Category: HVAC

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

Available Funding

Amount of Local funds planned for this project	$0.00

Please outline any associated insurance coverage.

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

Dr. Amy Fuller
Superintendent Printed Name

Tony Fuller — 10/15/14

Superintendent Signature — Date

SCHOOL FACILITIES BOARD **BUILDING RENEWAL GRANT**

Detail of Additional Cost and Contingency
_X_ Building Renewal Grant Fund

District: **Show Low Unified**
BRG Project Number: **090210116-9999-001BRG** Navajo County
Project Description: **Repair sewer treatment system**
Consultant: Fluid Solutions (Norm Fain 602-707-7777)
Contractor: TBD

Board Approval: 6/11/2014
Denial of additional funding: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Base Cost: (cost estimate provided by architect or contractor)		$ -
Contingency ①		$ -
Additional Cost:		
Architecture / Engineering (A&E) Fees		$ 10,705
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		**$ 10,705**
Total SFB Funded Project Cost:		**$ 10,705**
District or Local Funds:		$ -
SFB Board Approved Amount:		**$ 10,705**
Total Project Cost:		**$ 10,705**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 230
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Fluid Solutions
Water • Wastewater • Engineering • Environmental Services

MEMORANDUM

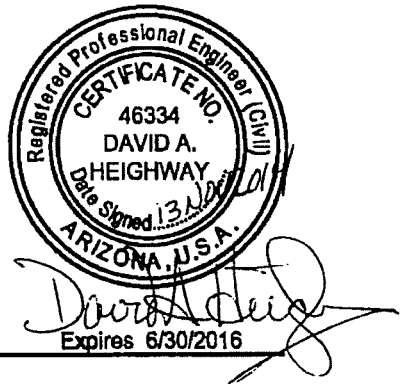
To: Kevin Brackney, Superintendent, Show Low USD #10

From: David Heighway, PE

Date: November 13, 2014

Subject: Linden Elementary School septic system total nitrogen load

Cc: Pat Cruse, School Liaison, Arizona School Facilities Board



The Linden Elementary School septic system has been hydraulically designed to accommodate flows typically expected from 350 students. However, Arizona School Facilities Board indicates that the existing student capacity of the campus is 296 students. Assuming a student-to-staff ratio of 14:1, the 296 students indicates staff of about 22. Based on recommended flow rates for schools found in AAC R18-9-E323, Table 1, these values produce an estimated average daily wastewater flow as shown below:

296 students x 18 gpcd	=	5,328 gpd
22 staff x 20 gpcd	=	440 gpd
TOTAL		5,768 gpd

NOTE: Student flow rate includes 3 gpd/student for cafeteria/gym in addition to the base 15 gpd/student.

This flow will be seen for 180 days each year when school is in session. The annual flow through the septic system will be:

5,768 gpd x 180 days = 1,038,240 gallons

ADEQ requires evaluation of the flow to meet nitrogen reduction requirements per Arizona Administrative Code (AAC) Title 18 (Environmental Quality), Chapter 9 (Department of Environmental Quality, Water Pollution Control), Article 3 (Aquifer Protection Permits – General Permits), Part E (Type 4 - General Permits), Section R18-9-E323 (4.23 General Permit, 3000 to less than 24,000 Gallon Per Day Design Flow). The Code requires that the maximum nitrogen discharge from the site be equal to or less than 39.9 grams of nitrogen per acre per day (g/ac/day) [0.088 pounds per acre per day (lb/ac/day)]. ADEQ has agreed that the average daily loading can properly be calculated from the Code's "typical" value of 15 grams of total nitrogen per day per person (g/day/person) [0.033 lb/day/person]. This value is based on residential flows so must be adjusted for application to this situation. Values that change from the "standard" residential flow include:

Parameter	Standard Residential Value	Linden Elementary School Value	Modifying Multiplier
Number of days per year that flow occurs (days)	365	180	0.4932
Average Daily Flow per person/student (gpd)	80	18	0.2250
Average Daily Flow per person/staff (gpd)	80	20	0.2500

Using these modifiers, the average daily total nitrogen from the identified maximum occupancy of the campus (provided by Arizona School Facilities Board) at 296 students and 21 staff (14:1 student-to-staff ratio) can be calculated as:

Student component:
296 students x 15 g/person/day x 0.4932 x 0.2250 = 492.71 g/day
Staff component:
21 staff x 15 g/person/day x 0.4932 x 0.2500 = 38.84 g/day
TOTAL:
492.71 + 38.84 = 531.55 g/day

Per Navajo County Assessor's records, Show Low School District owns two parcels at the Linden Elementary School site. The combined acreage of these parcels is 8.39 acres. AAC R18-9-E323(A)(4)(i) allows the inclusion of "streets, common areas, and other non-contributing areas" in the area calculation for compliance with the total nitrogen standard. The platted property includes half of the right-of-way of School House Lane on the west of the property. However, the south side of the property abuts Arizona Highway 260. Therefore, an additional 50 feet along the 660 feet of south property lines can be included in the calculation. The acreage calculation is:

Platted Acreage: 8.39 acres

Adjacent Highway 260 acreage: 50 ft x 660 ft ÷ 43,560 ft^2/acre = 0.76 acres

Total Acreage for calculation: 8.39 + 0.76 = 9.15 acres

The existing design conditions result in a total nitrogen loading of:

531.55 g/day ÷ 9.15 acres = 58.09 g/ac/day, which exceeds the standard of 39.9 g/ac/day.

CORRECTIVE ACTIONS

No Change

If no change is made to the septic system's rated capacity at the Linden Elementary School site, the resulting condition is non-compliance with Arizona Aquifer Protection Permit Standards for the 4.23 General Permit. In this condition, ADEQ may attempt to shut down the school and/or fine the school district for non-compliance with the total nitrogen standard. Fines are the likely first attempt to obtain compliance followed by cease and desist orders if fines are ineffective. Fluid Solutions does not recommend this approach.

Reduce School Maximum Students

Reducing the number of students and staff at the campus will result in a smaller total nitrogen load to the environment. To achieve an adequate reduction in total nitrogen produced, the maximum campus capacity would have to be reduced to 203 students with 14.5 staff.

$[(203 \times 15 \times 0.2250 \times 0.4932) + (14.5 \times 15 \times 0.2500 \times 0.4932)] \div 9.15 = 39.86$ g/ac/day

Current enrollment of 189 students does not exceed this limitation. However, two years ago the student population was 221, which exceeds this maximum allowable population. The costs associated with this approach are the future relocation of excess students and staff that would normally attend this campus to another school within the district assuming space is available. If no space is available, to use the existing classroom capacity, treatment or additional contiguous land area will be required. . Because these conditions create many undefined costs associated with relocating classroom space or capital costs for building, this solution requires extensive internal assessment outside the scope of this evaluation prior to any serious consideration.

Add Acreage

The total acreage needed to reduce the total nitrogen level to the limit is 13.32 acres. The addition of 4.17 adjacent acres would allow the campus to meet the requirements of R18-9-E323.

531.55 g/day ÷ 39.9 g/ac/day = 13.32 acres
Additional acreage needed is: 13.32 – 9.15 = 4.17 acres

Costs for this additional acreage are estimated to be in the range of $200,000 to $250,000 for just enough land to meet the requirements. Because platted lot sizes are larger than 4.17 acres, this cost may go even higher. Availability of land adjacent to the school site is also a concern. The School District has stated that they do not believe that this is a viable option.

Install Nitrogen Reduction Treatment

The final option for meeting the nitrogen limit is to reduce the level of total nitrogen in the septic tank effluent to a level that would meet the Code. The reduction of the total nitrogen required is

31.32% [1.00-(365.08 g/day ÷ 531.55 g/day)]. For design purposes, the selected technology will need to reduce the effluent total nitrogen concentration to the leach fields to 34 mg/l.

Estimated costs for design and construction of a system to reduce the nitrogen loading are estimated in the table below.

Improvement	Construction Cost Estimate High/Low	Estimated Engineering & Construction Observation Costs	Contingency High/Low	Taxes High/Low	Total High/Low
Additional Preliminary Treatment	$29,500	$9,000	$4,420	$1,910	$44,830
	$40,200		$6,025	$2,600	$57,825
Nitrogen Treatment Package	$225,000	$67,200	$33,100	$14,260	$339,560
	$301,000		$45,100	$19,440	$432,740
Existing System Modifications	$17,250	$6,400	$3,140	$1,355	$28,145
	$28,600		$4,275	$1,845	$41,120
Total	**$271,750**	**$82,600**	**$40,660**	**$17,525**	**$412,535**
	$369,800		**$55,400**	**$23,885**	**$531,685**

All estimated costs are in 2014 dollars

SUMMARY

Alternative	Estimated Cost Range	Comment
No Change	Undefined Regulatory Fines and fees.	Continuing regulatory non-compliance that in the extreme could result in judicial action.
Reduce Students	Undefined Operational Costs	Short term solution.
Add Acreage	$200,000 to $250,000	Must have willing seller.
Add Treatment	$412,000 to $532,000	Allows existing classroom capacity to be used.

Show Low Unified School District #10

Kevin M. Brackney
Superintendent

Greg Schubert
Business Manager

928-537-6000 ----- Fax 928-537-6009 ----- 928-537-6010

November 20, 2014

Arizona Department of Environmental Quality
1110 West Washington Street
Phoenix, Arizona 85007

Re: Linden Elementary School
File # 20070741 and LTF# 45791

Dear Mr. Burchard,

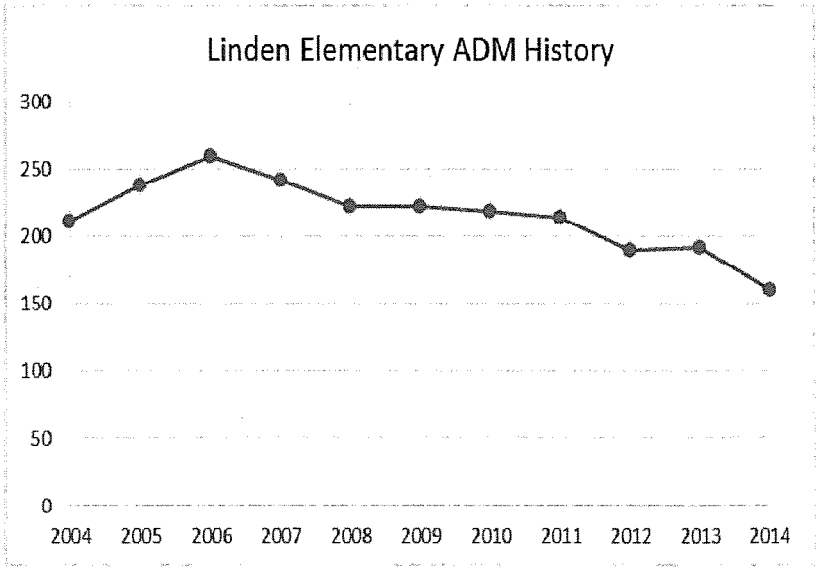
Attached is a document from Fluid Solutions representative David Heighway PE, regarding the Linden Elementary School Septic System. In that letter, Mr. Heighway states that the current system at Linden is adequate for 203 students and 14 staff members. At the present time our Average Daily Membership (ADM) is at 176.89 students. Show Low Unified School District has every intention of abiding by the laws and rules of Arizona and ADEQ.

Below is a chart with our ADM figures beginning with the Fiscal Year 2003 to 2014:

Linden Elementary School

ADM History Report

Year	*FY*	*ADM*
2003-2004	2004	210.97
2004-2005	2005	237.69
2005-2006	2006	259.23
2006-2007	2007	241.24
2007-2008	2008	222.39
2008-2009	2009	221.68
2009-2010	2010	218.25
2010-2011	2011	213.41
2011-2012	2012	189.66
2012-2013	2013	191.91
2013-2014	2014	159.83



At this time we are actively working with Pat Cruse of School Facilities Board (SFB) defining solutions for the future should the number of students grow to more than 203.

If you have any questions regarding our progress, please do not hesitate to call. We are here to help and assist ADEQ in any way possible.

Sincerely,

Mr. Brackney
Superintendent, SLUSD

Fluid Solutions
Water • Wastewater • Engineering • Environmental Services

December 4, 2014

Mr. Kevin Brackney, Superintendent
Show Low Unified School District #10
1350 North Central Drive
Show Low, Arizona 85901

RE: Linden Elementary School, Septic System Nitrogen Reduction Project

Dear Mr. Brackney:

Fluid Solutions is pleased to provide this proposal to for professional services to the Show Low Unified School District for engineering design and construction of facilities to address the deficiencies in the septic system at the Linden Elementary School, 500 West Old Linden Road, Show Low, Arizona 85901.

Scope of Work

Fluid Solutions proposes to develop construction documents and construct facilities to address the Notice of Violation issued by the Arizona Department of Environmental Quality (ADEQ) regarding the excessive nitrogen discharge for the Linden Elementary School septic system. Anticipated components include, but are not limited to: additional septic tank volume, Orenco Ad-Max treatment system, connecting piping and permanent fencing around the system components.

A concern with the electrical power supply has been voiced since completion of the summary report by Fluid Solutions. Costs for recording and analysis of the electrical supply to the Linden Elementary School has been added to this scope. If only a cursory review of the electrical service is needed, these costs would be unneeded. A construction budget for resolving potential electrical service problems (assuming surge protection and improved electrical grounding are needed) is also included in this scope.

Proposed Fees

Fluid Solutions proposes to complete this effort on a lump sum basis. The various components of this project and project total are summarized as follows:

Component	Fee Amount
Construction Document Production	$82,600.00
Electrical System Protection Investigation	$9,200.00
Electrical System Surge Protection Construction	$25,000.00
Construction of Nitrogen Reduction Facilities	$449,085.00
Total	**$565,885.00**

Terms and Conditions

Attached to this proposal are Fluid Solutions' "Standard Terms and Conditions for Service" and "Standard Schedule of Charges", which are made a part of this proposal and agreement. Fluid Solutions is ready to begin working to resolve the issues that the Linden Elementary School septic system has.

Return of one copy of this proposal signed by an authorized agent of Show Low Unified School District or issuance of a Purchase Order referencing this proposal will be considered the "Notice to Proceed" for this project.

Sincerely,
Fluid Solutions

Norm Fain, PE
Member/Principal Engineer

Acceptance:
Show Low Unified School District #10

_____
Authorized Signature

_____
Printed Name and Title

_____
Date

Cc: Pat Cruse, Arizona School Facilities Board

Fluid Solutions
Water • Wastewater • Engineering • Environmental Services

STANDARD TERMS AND CONDITIONS FOR SERVICES

1.0 CLIENT

As used herein, Client is the entity who authorized performance of services by Fluid Solutions and, therefore, accepts responsibility for payment under conditions governed by this document and the proposal or scope of work.

2.0 CONSULTANT

As used herein, Consultant refers to Engineering & Geologic Water & Wastewater Services, L.L.C., dba Fluid Solutions, the entity authorized by the Client to perform the services as described in the proposal or scope of work.

3.0 CLIENT RESPONSIBILITIES

3.1 Client will furnish Consultant with access to the site necessary to perform the agreed upon services, unless otherwise stated in the scope of work.

3.2 Client will provide Consultant with all information within Client's possession or knowledge related to the possible presence of hazardous or toxic materials at the site. If unanticipated hazardous or toxic materials are encountered during Consultant's field work, Consultant reserves the right to demobilize its field operations at the Client's expense. Consultant will proceed with field operations following consultation with Consultant's Health and Safety Officer and Client's acceptance of proposed safety measures and any necessary adjustments in scope and fee.

4.0 CONSULTANT RESPONSIBILIITES

4.1 Reasonable precautions will be taken by Consultant to avoid damage to underground pipelines, structures, and utilities. Client agrees to hold Consultant and its members, agents, employees, and subcontractors harmless for any damages to such structures, pipelines, and utilities which are not called to Consultant's attention, which are incorrectly shown on plans furnished, or which are inaccurately located in the field by the Client, utility companies, and/or utility locating services.

4.2 In the performance of its professional services, Consultant will provide the current standard of care and skill ordinarily exercised in the consulting profession under similar conditions in similar localities. No other warranties, expressed or implied, are made or intended in any of Consultant's proposal, contracts or reports.

4.3 The data presented by Consultant represents conditions only at the specified locations and at the time designated. Client acknowledges that this data may not represent conditions at other locations or times. Consultant will be responsible for its data, interpretations, and recommendations, but shall not be responsible for the interpretation by others.

5.0 INSURANCE

Consultant is protected against most risks of liability exposure by Workmen's Compensation Insurance, Commercial General Liability Insurance, and Professional Liability Insurance with respect to liabilities arising from its negligent errors and omissions. Certificates of coverage will be supplied upon request.

6.0 INDEMNIFICATION

Each party agrees, to the fullest extent permitted by law, to defend, indemnify and hold harmless the other from and against any and all claims, damages, losses, expenses and liability, real or alleged, in connection with the performance of work on this Project, excepting only those damages, liabilities or costs attributable to the sole negligence or willful misconduct of either Fluid Solutions or Client. Each party shall be responsible for their own sole negligence or willful misconduct.

7.0 LIMITATION OF LIABILITY

In recognition of the relative risks, rewards and benefits of the project to both the Client and Fluid Solutions, the risks have been allocated such that the Client agrees to the fullest extent permitted by law, Fluid Solutions total liability 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, shall not exceed our fee. Such causes include, but are not limited to, Fluid Solutions' negligence, errors, omissions, strict liability, breach of contract or breach of warranty.

8.0 DISPUTE RESOLUTION

Disputes between the Client and Fluid Solutions may be submitted to non-binding mediation.

9.0 TERMINATION OF SERVICES

Agreements for service may be terminated by the Client or Fluid Solutions should the other fail to perform its obligations hereunder. In the event of termination, the Client shall pay Fluid Solutions for all services rendered to the date of termination, all reimbursable expenses, and reimbursable termination expenses to the extent applicable.

10.0 INVOICES AND PAYMENT

10.1 Invoices for services rendered will be submitted, at Fluid Solutions' option, either upon completion of such services or on a monthly basis every month. Payment is due upon presentation of Consultant's invoice and is past due thirty (30) days from invoice date.

10.2 Client agrees to pay a finance charge of 1.5 percent per month to any balance unpaid after 60 days, retroactive to the date of the original invoice. Any attorney's fees or other costs incurred in collecting any delinquent amount shall be paid by the Client.

10.3 Retainers received by Fluid Solutions shall be applied to balances due at the conclusion of the project. For example, if Fluid Solutions were to receive a retainer equivalent to 25 percent of the cost for a project, the retainer would be applied following billings and payments of first 75 percent of the project costs. Any unused retainage shall be refunded to Client within 30 days following (1) completion of services to which the retainer was applicable and (2) Client being current on all billings to Fluid Solutions.

11.0 PROJECT FILES AND RECORDS

Products produced by Fluid Solutions under this agreement shall be the property of the Client. All pertinent records will be retained for 2 years after report issuance. After such time, Consultant may elect to notify Client of Consultant's desire to dispose of project related records. Should Client elect, Consultant shall make Client files available for pick-up at Consultant's place of business. Should Client not elect to take possession of its records, Consultant shall have the right to appropriately dispose of Client's records at any time following the 30th day after the initial notification to Client.

12.0 CONFIDENTIALITY

Consultant agrees to hold all project materials and findings in confidence, will not publish information regarding this Project, and shall make no release of documents or information to any person other than Client before or after completion of the study, without prior written approval of Client.

Fluid Solutions
Water • Wastewater • Engineering • Environmental Services

STANDARD SCHEDULE OF CHARGES

The standard compensation to Fluid Solutions for professional services is detailed below:

I. Professional Services

Our current standard hourly charges for services are as follows:

Principal Engineer	$190
Principal Hydrogeologist	$160
Senior Project Engineer	$135
Senior Hydrogeologist	$120
Senior Engineer	$120
Project Scientist/Geologist	$115
Staff Engineer	$100
Project Hydrologist/Water Resource Specialist	$100
Staff Scientist	$ 80
Project Coordinator	$ 80
Designer	$ 80
Senior Technician	$ 80
Staff Hydrologist/Geologist	$ 80
Staff Engineer	$ 75
Technician	$ 65
Field Representative	$ 80
Intern	$ 55
Administrator	$ 80
Clerical	$ 50

Expert Witness charges at 1.5 times Consultant's hourly charge. Includes all time for preparation and participation in depositions and/or testifying to courts, commissions, and legislature.

II. Equipment.

A. Mileage, per mile: IRS Standard Mileage Rate

B. Field Equipment: Because of the varied nature of equipment, location and use, these rates will be quoted as required.

III. Other Services and Supplies.

Charges for services, equipment and facilities not furnished directly by Consultant, and any unusual items of expense not customarily incurred in our normal operations, are computed as follows:

A. Cost plus 15% includes shipping charges, subsistence, transportation, printing and reproduction, miscellaneous supplies and rentals.

B. Cost plus 15% includes sub-consultant services, equipment rental and lease, testing laboratories, aircraft and watercraft operation and contract labor.

Emergency Deficiency Fund Balance
January 30, 2015

Revenues	
Transfers From the New School Facilities Fund	$16,088,364
Transfers from Deficiency Corrections Fund	$700,434
Total Revenues	$16,788,797
Obligations to Date	($16,224,568)
Balance	$564,229
February 4, 2015 Awards	($80,595)
Balance	$483,634

The Board has awarded 75 projects.
4 projects are in construction
71 projects are complete

STATE OF ARIZONA
SCHOOL FACILITIES BOARD

Meeting Date: February 4, 2015 **Agenda Item VIII.a.**

Subject: **VIII. Emergency Deficiencies Correction Requests**

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

Bullhead City Elementary

Background – Bullhead City Elementary (District Office – repair backflow preventer)
Bullhead City Elementary has submitted an Emergency Deficiencies Correction request for the repair of the backflow preventer on Building 1004 at the District Office.

Bullhead City Elementary, located 200 miles northwest of Phoenix along the Colorado River, has seven schools. The District Office is comprised of four buildings constructed between 1976 and 2008, totaling 17,724 square feet. Building 1004 was built in 2008, totaling 8,000 square feet.

The district received a proposal for the repair in the amount of $595.

Criteria for Eligibility
A.R.S. §15-2022, paragraph E.: For the purpose of this section, "emergency" means a serious need for materials, services or construction or expenses in excess of the district's adopted budget for the current fiscal year that seriously threatens the functioning of the school district, the preservation or protection of the property or public health, welfare or safety.

Staff Recommendation – Bullhead City Elementary (District Office – repair backflow preventer)
Staff recommends that Bullhead City Elementary be awarded $595 in Emergency Deficiencies Correction funding for the repair of the backflow preventer on Building 1004 at the District Office.

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

Board approval of the staff recommendation that **Bullhead City Elementary** be awarded $595 in Emergency Deficiencies Correction funding for the repair of the backflow preventer on Building 1004 at the District Office.

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

SCHOOL FACILITIES BOARD **EMERGENCY DEFICIENCIES CORRECTIONS**

Detail of Additional Cost and Contingency
_X_ Emergency Deficiencies Corrections Fund

District: **Bullhead City Elementary**
EP Project Number: **08041500S-1004-002EP** Mohave County
Project Description: **Repair backflow preventer**
Consultant: n/a
Contractor: Sun Devil Fire (623-245-0636)

Board approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Emergency Deficiencies Base Cost		**$ 595**
Contingency ①		$ -
Architecture / Engineering (A&E) Fees		$ -
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		$ -
Total SFB Funded Project Cost:		**$ 595**
District Share (Local Funds):		$ -
SFB Board Approved Amount:		**$ 595**
Total Project Cost:		**$ 595**

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 230
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Emergency Deficiencies Correction Funding Application

Initial Submission Date: 1/23/2015 4:29:39 PM **Application ID:** 1784
Resubmittal Date:

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

District Name: Bullhead City Elementary District
Superintendent: Riley Frie
Contact Person: John Wawrzynek
Contact Phone Number: 9284447529
Contact Email: jwawrzynek@bullheadschools.com
School Site: District Office
Buildings: 1004 District Office Suite 100

Application Title: Back Flow Preventer

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.

back flow preventer has failed inspection.

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 Was money to address this issue included in your adopted budget for this fiscal year? **N**

Current fiscal year building renewal expenditures:	$0.00
Current balance of unrestricted capital:	$0.00

Please outline any associated insurance coverage.

N/A

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

Superintendent Printed Name

Superintendent Signature Date

Sun Devil Fire | Wildcat Fire

Phoenix 623-245-0636 | **Tucson** 520-792-9911

Statewide: 1-800-536-3845

AZ CONTR. LIC.: #L-16 091362 #L-67 090913 #L-05 095653

Report/Quotation No. 07423

FIRE PROTECTION DEFICIENCY REPORT / QUOTATION

Date: 1/22/15

Company: BHC District Office Account Number:

Address: 1004 Hancock Rd

City: Bullhead State: AZ Zip: 86442

Contact: John W Phone #: Fax#:

	Qty	Parts/Description	Location/Area	Unit Price	Extended Price
1	1	New Wilkins	375 Landscape (New Backflow)	$ 440.00	$ 440.00
2	1.5		Hours Labor To Install	$ 120.00	$ 120.00
3				$	$
4				$	$
5				$	$
6				$	$
7				$	$
8				$	$
				Sub-Total:	$ 560.00
				Tax:	$ 34.54
				Total:	$ 594.54

Comments: Existing Device Failed Bad Shut Off Valves & Rubber Kit. Recommend New Assembly!

The above mentioned item(s) are respectfully submitted to improve your company's fire/life safety protection and to keep your facility in compliance with OSHA, NFPA and local fire codes. Please call to speak with a Service Manager to rectify the deficiencies or fax your approval to the number above, Attn: Service Department.

Authorization/Purchase Order Number:

Customer's Acknowledgment Signature

Technician Signature and No. # 0301949

LET OUR #1 TEAM PROTECT YOUR #1 TEAM

STATE OF ARIZONA
SCHOOL FACILITIES BOARD

Meeting Date: February 4, 2015 **Agenda Item VIII.b.**

Subject: **VIII. Emergency Deficiencies Correction Requests**
b. Consideration and possible vote to accept, reject or modify Emergency Deficiencies Correction Requests (design award)

St Johns Unified

Background – St Johns Unified (District Office – roof structure/roof replacement)
St. Johns Unified has submitted an Emergency Deficiencies Correction request for the roof structure, roof replacement and correction of interior finished due to major roof leaks on Building 1001 at the District Office.

St. Johns Unified, located 217 miles northeast of Phoenix, has four schools. The District Office is one building constructed in 1982, totaling 5,100 square feet.

The Arizona Risk Retention Trust (the Trust) was contacted at the request of the SFB to determine if there was insurance coverage for any of the potential issues. The Trust's structural engineer's report indicated the building structure was unsafe and shoring was installed immediately.

It was also noted in the engineer's report that the district had contracted with a structural engineer in 2006 to evaluate the deflections in the roof structure. That initial investigation report provided multiple recommendations. The report outlined intended solutions to reduce the roof load; however, not all recommendations were executed. The original design (1981-82) was provided and stamped by a registered architect; however, it did not meet Apache County permitting requirements per the evaluation report and the original construction did not comply with the drawings. This was noted in the 2006 investigation report.

The 2006 investigation report also noted that the existing roof-mounted HVAC units appear to have replaced the originally specified evaporative coolers. The HVAC units were significantly heavier than the coolers would have been. The district removed and relocated the HVAC units to the ground at some point. The district installed interior glulam beams to support the roof structure without direction of a structural engineer. The building structure currently does not meet the required dead load per the report provided by Gervasio Engineering dated December 10, 2014. In the original design, surrounding the HVAC units on the roof was a steel screen wall to hide the HVAC units from ground view.

Because of the complexity of the needed repairs, SFB staff is requesting $80,000 for the design of roof structure corrections, hvac/electrical supporting systems and restoration/replacement of the roof.

Criteria for Eligibility
A.R.S. §15-2022, paragraph E.: For the purpose of this section, "emergency" means a serious need for materials, services or construction or expenses in excess of the district's adopted

budget for the current fiscal year that seriously threatens the functioning of the school district, the preservation or protection of the property or public health, welfare or safety.

Staff Recommendation – St Johns Unified (District Office – roof structure/roof replacement)
Staff recommends that St Johns Unified be awarded $80,000 in Emergency Deficiencies Correction funding for the professional services to develop construction bid documents to correct the structural repairs, HVAC corrections and roof replacement on Building 1001 at the District Office.

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

Board approval of the staff recommendation that **St Johns Unified** be awarded $80,000 in Emergency Deficiencies Correction funding for the professional services to develop construction bid documents to correct the structural repairs, HVAC corrections and roof replacement on Building 1001 at the District Office.

Attachments: Yes [X] No [ ]

SCHOOL FACILITIES BOARD **EMERGENCY DEFICIENCIES CORRECTIONS**

Detail of Additional Cost and Contingency
_X_ Emergency Deficiencies Corrections Fund

District: **St Johns Unified**
EP Project Number: **01020101D-1001-001EP** Apache County
Project Description: **Roof structure/roof replacement**
Consultant: Gervasio & Assoc. Inc. (602-285-1720)
Contractor: TBD

Board approval: 2/4/2015

	School Facilities Board Action Approved as recommended by Staff	Staff Rec. or Approved
Emergency Deficiencies Base Cost		$ -
Contingency ①		$ -
Architecture / Engineering (A&E) Fees		$ 80,000
Survey & Required Reports, Printing, Permits, Advertising, Etc.		$ -
Testing & Inspection		$ -
Total Additional Cost:		$ 80,000
Total SFB Funded Project Cost:		$ 80,000
District Share (Local Funds):		$ -
SFB Board Approved Amount:		$ 80,000
Total Project Cost:		$ 80,000

① Contingency shall only be used with SFB staff approval.

School Facilities Board
1700 W. Washington, Suite 230
Phoenix, AZ 85007
Phone: (602) 542-6501
FAX: (602) 542-6529

Emergency Deficiencies Correction Funding Application

Initial Submission Date: 11/24/2014 1:28:08 PM **Application ID:** 1670
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 Johns Unified District

Superintendent: Ed Burgoyne

Contact Person: Catherine Patterson

Contact Phone Number: 928-337-2255

Contact Email: cpatterson@sjusd.net

School Site: District Office

Buildings: 1001 District Administrative Office

Application Title: Repair of District Office Roof

Description of Problem

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

The District Office roof leaks like sieve with each rain. We have trash cans strategically placed throughout the building. The interior ceilings are damaged and the tape and drywall is coming loose. We had two quotes see attached file from Progressive Roofing one for $50,813 which attach is a 1/4" Invinsaboard and installation of 60 MIL TPO. The other for $60,093 is Mechanically attached 1/2" Fiber board and the installation of 4 PLY built-up roof. We feel the later quote is the better option. These fees don't include the engineers or other needed professional studies. I am applying for a an estimated $100,000 Emergency Grant to cover costs both professional and structural.

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 Was money to address this issue included in your adopted budget for this fiscal year? **N**

Current fiscal year building renewal expenditures:	$0.00
Current balance of unrestricted capital:	$226,000.00

Please outline any associated insurance coverage.

The district does not have sufficient insurance to remedy this problem. I contacted The Trust they are willing to look at the interior damage, but will not contribute to the roof. There is $15,000 remaining balance in the building renewal fund. We have a District Capital Needs list that totals approx. $600,000 with $146,000 as immediate attention.

GERVASIO & ASSOC., INC.
CONSULTING ENGINEERS
(602) 285-1720 • 77 East Thomas Road, Suite 120
Phoenix, Arizona 85012

COMMUNICATIONS RECORD

PROJECT: St. Johns Unified School District JOB #: 4141 F

WITH: Otis Connolly DATE: Dec. 10, 2014

OF: St. Johns School District TITLE Maintenance Supervisior

PHONE #: 928.245.4660 FAX ☐ oconnolly@sjusd.net

BY: Fred M. Nelson By Phone ☐ In Person ☐

I give Otis the following information:

St. Johns Middle School, Gymnasium Building:

I inspected the east bearing condition critical TJL truss under the Girl's HVAC equipment during my November 24, 2014 site visit. I found no evidence of damage to this truss...THEREFORE, IT IS ACCEPTABLE TO INSTALL THE PROPOSED ELEVATED CURBS at all skylights in this building.

St. Johns High School, Room 19:

I inspected the TJL trusses in Room 19 during my November 24, 2014 site visit, and determined that the roof framing members are 14 inch deep TJL's, spanning 30 ft., spaced at 24 inches o.c. We performed structural calculations to evaluate the addition of a 300 lb. swing in this room and determined that there is a slight overstress of 6%, which is acceptable...THEREFORE, IT IS ACCEPTABLE TO INSTALL THE SWING in this room as planned, and we will subsequently provide simple details for this installation.

St. Johns Administration Building:

I inspected the attic framing during my November 24, 2014 site visit, and measured the two glulam beams that were installed several years ago by school personnel, and a typical roof truss plus the truss spacing. We prepared structural calculations to evaluate both components for "dead loads" plus the Code mandated 20 psf snow load. We determined that (1) the long glulam beam is overstressed by approximately 100% and the short glulam beam is acceptable; (2) the typical trusses spaced at 16 in. o.c. are overstressed 78% at the top chord and 31% at the bottom chord, and much more where the spacing is 24 inches; and (3) the trusses are acceptable with the center support provided by the glulam beam.

THEREFORE, the roof framing components of the Administration Building are sufficiently overstressed under snow load conditions to render the building as unsafe, and WE RECOMMEND shoring the vulnerable components. The glulam beam should be shored with a 6x6 wood post bearing on a 4x12x2 ft. wood sleeper to spread the load. The other full spanning trusses should be shored at the middle panel point. In the south hallway and north storage room, a post and beam shoring system should be implemented; and in the middle hallway, the existing masonry wall can be used for shoring. If requested, we will design the post and beam shoring systems. Also, if there is a heavy snow storm prior to implementing the shoring, the building should be evacuated until the snow is removed. We will also design permanent repairs for these conditions, following additional verbal discussion/guidance with you.

Copy to:

GERVASIO & ASSOC., INC.

CONSULTING ENGINEERS
(602) 285-1720 • 77 East Thomas Road, Suite 120
Phoenix, Arizona 85012

COMMUNICATIONS RECORD

PROJECT: St. Johns Unified School District JOB #: 4141 F

WITH: Otis Connolly DATE: Dec. 11, 2014

OF: St. Johns School District TITLE Maintenance Supervisior

PHONE #: 928.245.4660 FAX ☐ oconnolly@sjusd.net

BY: Fred M. Nelson By Phone ☐ In Person ☐

The following is a followup from our discussion/communications record of December 10, 2014:

St. Johns High School, Room 19:

We (G&A) will submit details for the swing attachment within the next week.

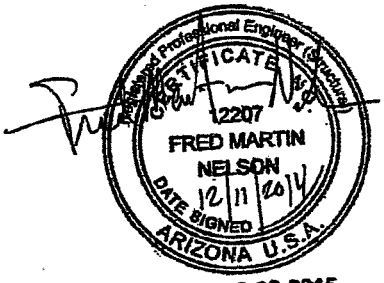
St. Johns Administration Building:

1. The District needs to obtain bids for the emergency shoring. Therefore, we (G&A) will prepare conceptual sketches of the proposed shoring, and will "refine" the shoring details/drawings after the shoring contractor is selected so that the shoring will be consistent with our the design loads and the shoring contractor's available materials.

2. Fred M. Nelson will be present at the initial shoring operations to answer questions and to verify that the shoring contractor's work is consistent with the intent of our shoring design.

Copy to:

8/02 - 1 F



Expires: 9-30-2015

GERVASIO & ASSOC., INC.
Consulting Engineers
77 East Thomas Road, Suite 120
Phoenix, Arizona 85012
(602) 285-1720
FAX (602) 285-1530

REPORT NO. 1	ARRIVAL 10:05 DEPARTURE 12:35
DATE 12/30/2014	JOB NO. 4141.2
PROJECT ST JOHNS ADMIN. BUILDING	
LOCATION St Johns Az 450 S 13th W	
CONTRACTOR CRS	
WEATHER Clear	TEMP 40F° at 10:00 (AM) PM
PRESENT AT SITE FRED NELSON; RON FISHER	
OTIS CONNOLLY	

TO SUE ZITTEL
AZ STATE RISK RET TRUST

THE FOLLOWING WAS NOTED:

> (1) We discussed our emergency shoring drawings & details of how Ron Fisher/CRS will Do work

(2) CRS to begin 1/5/2014 & FMN will Do INSPECTION on 1/6/2014 @ 9:00 AM.

(3) Three walls on attached sketch are masonry. Thus details will be field adjusted

> (4) Discussed Change w/ Ray Beltran who will revise sheet in next 2 Days & ISSUE to Ron Fisher, Otis Connolly & Dave Wheeler

FIELD REPORT

SUPERINTENDENT Ron Fisher SIGNED Fred M Nelson INSPECTOR

ron.fisher@crs-inforum.com

SCOPE OF STRUCTURAL WORK (GENERAL)

1. Permanent and temporary shoring of existing roof truss framing.

SHORING GENERAL NOTES

1. All parties involved in the shoring work shall visit the site, become familiar with the existing conditions and verify those existing conditions shown on the drawings.
2. Verify all dimensions and conditions prior to starting work. Notify the Engineer of any discrepancies or inconsistencies.
3. Utility relocation and alterations may be required. Utilities are not shown on the plans and the Contractor shall identify all conflicts. The Contractor shall coordinate alterations to existing Mechanical, Plumbing, and Electrical utilities. The Contractor shall relocate existing utilities including duct work, sprinklers, water and gas lines, and electrical conduits as required. This relocation work shall be accomplished in accordance with the appropriate code as required by The Town of Ft. Johns. The Contractor is responsible for obtaining all permits as required for utility relocation.
4. Any damage to existing ceilings, roofing, lights, fixtures or other materials caused by the work shall be repaired and/or replaced to match existing conditions.
5. Provide all necessary temporary bracing, shoring, guying or other means to avoid excessive stresses and to hold structural elements in place during construction.
6. Shoring and jacking is required where shown on the drawings with minimum shoring loads. Details conceptually show shoring in some locations and other shoring configurations may be possible. All shoring and bracing is the responsibility of the Contractor.
7. Any engineering design provided by others and submitted for review shall bear the seal and signature of an Engineer registered in Arizona.

STRUCTURAL NOTES

(APPLY UNLESS NOTED OTHERWISE ON DRAWINGS)

CODE

1. 2012 International Building Code.

DESIGN LOADS

1. Dead Loads:
   a. Roof: 17 psf
2. Live Loads:
   a. Roof: 20 psf, 2-month duration on horizontal projection (snow load).

MASONRY

1. Hollow concrete block units: Grade N, Type 1. 1900 psi minimum compressive strength. Wall design strength. f'm = 1500 psi.
2. Mortar: Type S, 1800 psi.
3. Grout: 2000 psi. A minimum of 18% by weight of the total cementitious materials may be replaced by fly-ash, provided the fly-ash conforms to ASTM A618, Type F. Mechanically vibrate grout immediately after pouring.

WOOD

1. Each piece of lumber shall be "S-DRY" or no greater than 19% moisture content at time of installation, and bear the grade stamp of a grading rules agency approved by the American Lumber Standards Committee.
2. 6x Beams: Douglas Fir-Larch No. 1.
3. Columns: Douglas Fir-Larch No. 1.
4. Other Sawn Lumber: Douglas Fir-Larch No. 2.
5. Glulam Beams: West Coast Douglas Fir with Fb = 2400 psi, Fv = 240 psi, and E = 1,800,000 psi. Beams cantilevering over supports shall have the specified minimum properties at the top and bottom faces of the beam. Fabrication and handling per latest AITC or APA-EWS Standards. Each beam shall bear AITC or APA-EWS stamp with certification. Fabricate with waterproof glue.
6. Connections:
   a. See Nailing Schedule, Detail 16/S1 for nailing not specifically called out on the drawings. Use common nails.
   b. Make framed connections with approved framing anchors on each side or approved joist hangers by Simpson, Teco or K.C.
   c. Field drill bolt holes for proper matching and bearings.
   d. Provide cut washers at bolts in wood without steel plates.

SPECIAL INSPECTION

Special inspection is to be provided in addition to the inspections conducted by the Department of Building Safety and shall not be construed to relieve the Owner or his authorized agent from requesting the periodic and called inspections required by Section 110 of the International Building Code. The special inspector shall be approved by the City Building Official prior to starting work.

SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING WORK:
(PER IBC SECTION 1705)

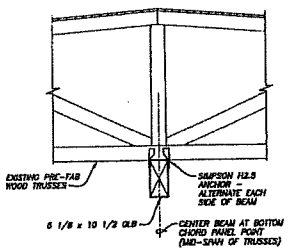
SHORE FRAMING:
During shoring installation. This inspection may be done on a periodic basis.

MINIMUM NAILING REQUIREMENTS U.N.O. — SEE DETAILS

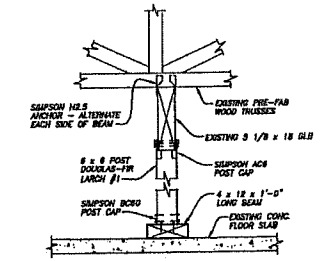
CONNECTION	NAILING
1. JOIST TO SILL OR GIRDER, TOENAIL	3-8d
2. BRIDGING TO JOIST, TOENAIL EACH END	2-8d
3. SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d @ 16" O.C.
4. TOP PLATE TO STUD, END NAIL	3-16d
5. STUD TO SOLE PLATE	4-8d, TOENAIL OR 2-16d, END NAIL
6. DOUBLE STUDS, FACE NAIL	16d @ 24" O.C.
7. DOUBLE TOP PLATES, FACE NAIL	16d @ 16" O.C.
8. BLKG. BETWEEN JOISTS TO TOP PLATE, TOENAIL	3-8d
9. RIM JOIST TO TOP PLATE, TOENAIL	8d @ 6" O.C.
10. TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL	3-16d
11. CONTINUOUS HEADER, TWO PIECES	16d @ 16" O.C. ALONG EACH EDGE
12. CEILING JOISTS TO PLATE, TOENAIL	3-8d
13. CONTINUOUS HEADER TO STUD, TOENAIL	4-8d
14. CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	3-16d
15. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	3-16d
16. RAFTER TO PLATE, TOENAIL	3-8d
17. BUILT-UP CORNER STUDS	16d @ 24" O.C.
18. BUILT-UP GIRDER & BEAMS, FACE NAIL	20d @ 32" O.C. @ TOP AND BOTTOM & STAGGERED; 2-20d AT ENDS AND AT EACH SPLICE

NOTE:
FOR NAILING NOT CALLED OUT REFER TO FASTENING SCHEDULE, TABLE 2304.9.1 OF THE 2012 INTERNATIONAL BUILDING CODE.

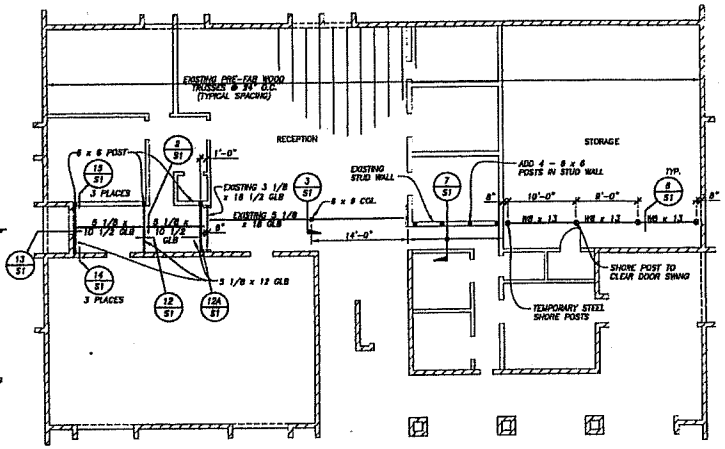
16 NAILING SCHEDULE — 6/08 S9-100



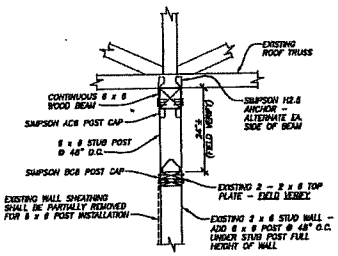
2 BEAM SHORING AT EXISTING ROOF TRUSSES — 3/4"=1'-0"



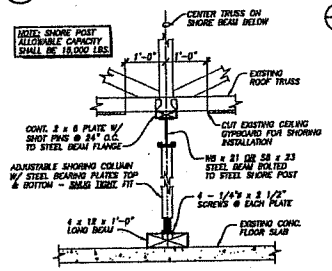
3 WOOD POST SHORING AT EXISTING BEAM — 3/4"=1'-0"



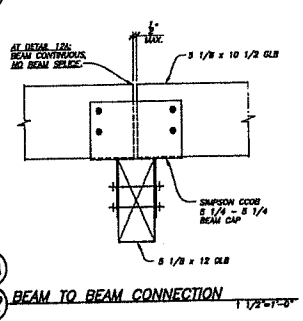
ROOF SHORING PLAN — 1/8"=1'-0" NORTH



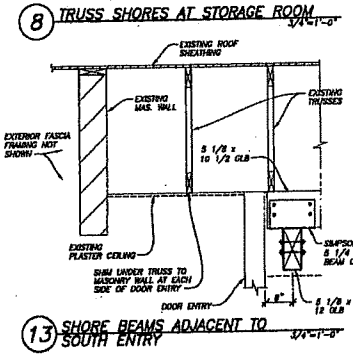
7 SHORING ABOVE EXISTING STUD WALL — 3/4"=1'-0"



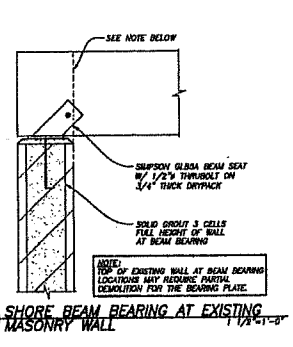
8 TRUSS SHORES AT STORAGE ROOM — 3/4"=1'-0"



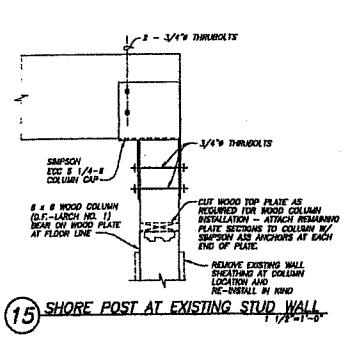
12A
12 BEAM TO BEAM CONNECTION — 1 1/2"=1'-0"



13 SHORE BEAMS ADJACENT TO SOUTH ENTRY — 3/4"=1'-0"



14 SHORE BEAM BEARING AT EXISTING MASONRY WALL — 1 1/2"=1'-0"



15 SHORE POST AT EXISTING STUD WALL — 1 1/2"=1'-0"

REVISIONS	BY

GERVASIO & ASSOC. INC.
CONSULTING ENGINEERS
77 E. THOMAS ROAD, SUITE 120
PHOENIX, ARIZONA 85012
(602) 285-1720 FAX 285-1530

Project: ROOF TRUSS SHORING
ST. JOHNS M.S. & ADMIN.
P.O. BOX 3241, 1605 WEST 7TH SOUTH, ST. JOHNS, AZ 85936

Client: ST. JOHNS UNIFIED SCHOOL DISTRICT
P.O. BOX 30201, 403 SOUTH 13th WEST, ST. JOHNS, AZ 85936

Sheet Title: STRUCTURAL NOTES, PLAN, & DETAILS

Date: 12/28/14
Scale: AS NOTED
Drawn: DMK | Checked: FMM/REB
Job Number: 4141
Sheet: S1 of 1 Sheets

G&A #4141.0

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5. STUD TO SOLE PLATE	4-8d, TOENAIL OR 2-16d, END NAIL
6. DOUBLE STUDS, FACE NAIL	16d @ 24" O.C.
7. DOUBLE TOP PLATES, FACE NAIL	16d @ 16" O.C.
8. BLKG. BETWEEN JOISTS TO TOP PLATE, TOENAIL	3-8d
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NOTE:
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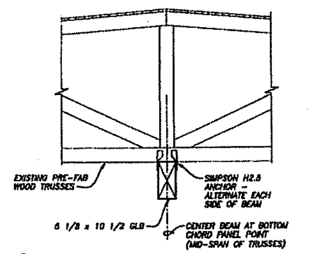
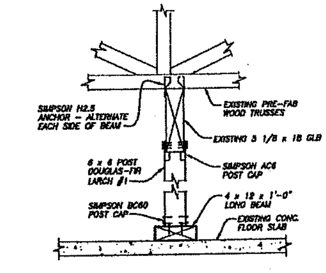
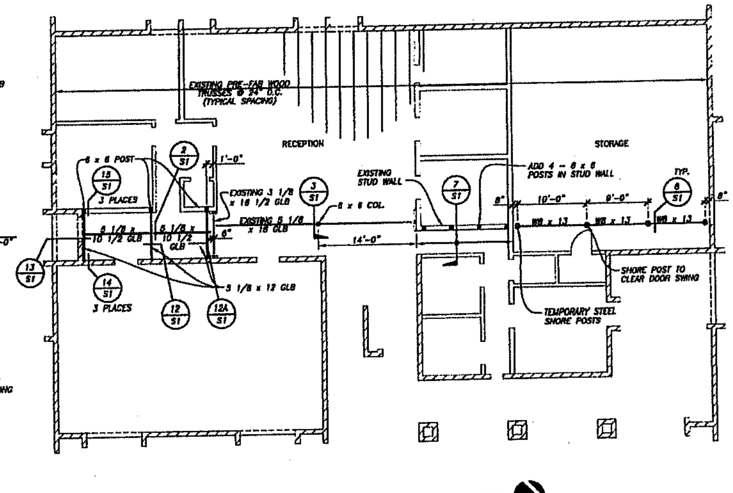
(16) NAILING SCHEDULE — 6/05 55-100



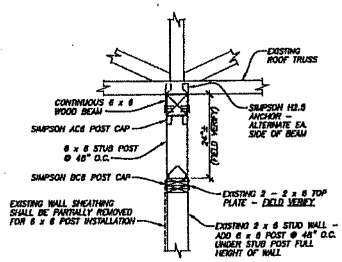
(2) BEAM SHORING AT EXISTING ROOF TRUSSES — 3/4"=1'-0"



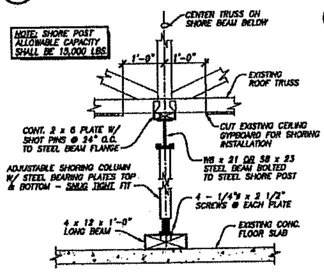
(3) WOOD POST SHORING AT EXISTING BEAM — 3/4"=1'-0"



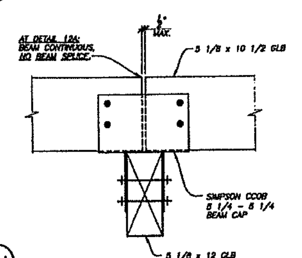
ROOF SHORING PLAN — 1/8"=1'-0" — NORTH



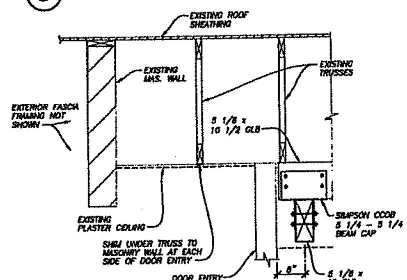
(7) SHORING ABOVE EXISTING STUD WALL — 3/4"=1'-0"



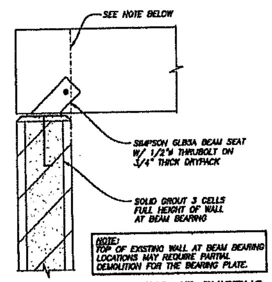
(8) TRUSS SHORES AT STORAGE ROOM — 3/4"=1'-0"



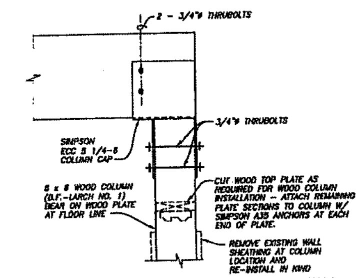
(12A)
(12) BEAM TO BEAM CONNECTION — 1 1/2"=1'-0"



(13) SHORE BEAMS ADJACENT TO SOUTH ENTRY — 3/4"=1'-0"



(14) SHORE BEAM BEARING AT EXISTING MASONRY WALL — 1 1/2"=1'-0"



(15) SHORE POST AT EXISTING STUD WALL — 1 1/2"=1'-0"

REVISIONS	BY

GERVASIO & ASSOC. INC.
CONSULTING ENGINEERS
77 E. THOMAS ROAD, SUITE 120
PHOENIX, ARIZONA 85012
(602) 285-1720 FAX 285-1530

EXPIRES 12/31/16

Project: ROOF TRUSS SHORING
ST. JOHNS M.S. & ADMIN.
P.O. BOX 3060, 555 WEST 7th SOUTH, ST. JOHNS, AZ 85936

Client: ST. JOHNS UNIFIED SCHOOL DISTRICT
P.O. BOX 3030, 450 SOUTH 13th WEST, ST. JOHNS, AZ 85936

Sheet Title: STRUCTURAL NOTES, PLAN, & DETAILS

Date: 12/26/14
Scale: AS NOTED
Drawn: EMK — Checked: FMN/REB
Job Number: 4141
Sheet: S1 of 1 Sheets

G&A #4141.0

SCOPE OF STRUCTURAL WORK (GENERAL)

1. Permanent and temporary shoring of existing roof truss framing.

SHORING GENERAL NOTES

1. All parties involved in the shoring work shall visit the site, become familiar with the existing conditions and verify those existing conditions shown on the drawings.
2. Verify all dimensions and conditions prior to starting work. Notify the Engineer of any discrepancies or inconsistencies.
3. Utility relocation and alterations may be required. Utilities are not shown on the plans and the Contractor shall identify all conflicts. The Contractor shall coordinate alterations to existing Mechanical, Plumbing, and Electrical utilities. The Contractor shall relocate existing utilities including duct work, sprinklers, water and gas lines, and electrical conduits as required. This relocation work shall be accomplished in accordance with the appropriate code as required by The Town of St. Johns. The Contractor is responsible for obtaining all permits as required for utility relocation.
4. Any damage to existing ceilings, roofing, lights, fixtures or other materials caused by the work shall be repaired and/or replaced to match existing conditions.
5. Provide all necessary temporary bracing, shoring, guying or other means to avoid excessive stresses and to hold structural elements in place during construction.
6. Shoring and jacking is required where shown on the drawings with minimum shoring loads. Details conceptually show shoring in some locations and other shoring configurations may be possible. All shoring and bracing is the responsibility of the Contractor.
7. Any engineering design provided by others and submitted for review shall bear the seal and signature of an Engineer registered in Arizona.

STRUCTURAL NOTES

(APPLY UNLESS NOTED OTHERWISE ON DRAWINGS)

CODE

1. 2012 International Building Code.

DESIGN LOADS

1. Dead Loads:
   a. Roof: 17 psf
2. Live Loads:
   a. Roof: 20 psf, 2-month duration on horizontal projection (snow load).

MASONRY

1. Hollow concrete block units: Grade N, Type 1. 1900 psi minimum compressive strength. Wall design strength. f'm = 1500 psi.
2. Mortar: Type S, 1800 psi.
3. Grout: 2000 psi. A maximum of 18% by weight of the total cementious materials may be replaced by fly-ash, provided the fly-ash conforms to ASTM A618, Type F. Mechanically vibrate grout immediately after pouring.

WOOD

1. Each piece of lumber shall be "S-DRY" or no greater than 19% moisture content at time of installation, and bear the grade stamp of a grading rules agency approved by the American Lumber Standards Committee.
2. 6x Beams: Douglas Fir-Larch No. 1.
3. Columns: Douglas Fir-Larch No. 1.
4. Other Sawn Lumber: Douglas Fir-Larch No. 2.
5. Glulam Beams: West Coast Douglas Fir with Fb = 2400 psi, Fv = 240 psi, and E = 1,800,000 psi. Beams cantilevering over supports shall have the specified minimum properties at the top and bottom faces of the beam. Fabrication and handling per latest AITC or APA-EWS Standards. Each beam shall bear AITC or APA-EWS stamp with certification. Fabricate with waterproof glue.
6. Connections:
   a. See Nailing Schedule, Detail 16/S1 for nailing not specifically called out on the drawings. Use common nails.
   b. Make framed connections with approved framing anchors or [illegible] or approved joist hangers by Simpson, Teco or K.C.
   c. Field drill bolt holes for proper matching and bearings.
   d. Provide cut washers at bolts in wood without steel plates.

OK

SPECIAL INSPECTION

Special inspection is to be provided in addition to the inspections conducted by the Department of Building Safety and shall not be construed to relieve the Owner or his authorized agent from requesting the periodic and called inspections required by Section 110 of the International Building Code. The special inspector shall be approved by the City Building Official prior to starting work.

SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING WORK: (PER IBC SECTION 1705)

SHORE FRAMING:
During shoring installation. This [illegible] on a periodic basis.

MINIMUM NAILING REQUIREMENTS U.N.O. – SEE DETAILS

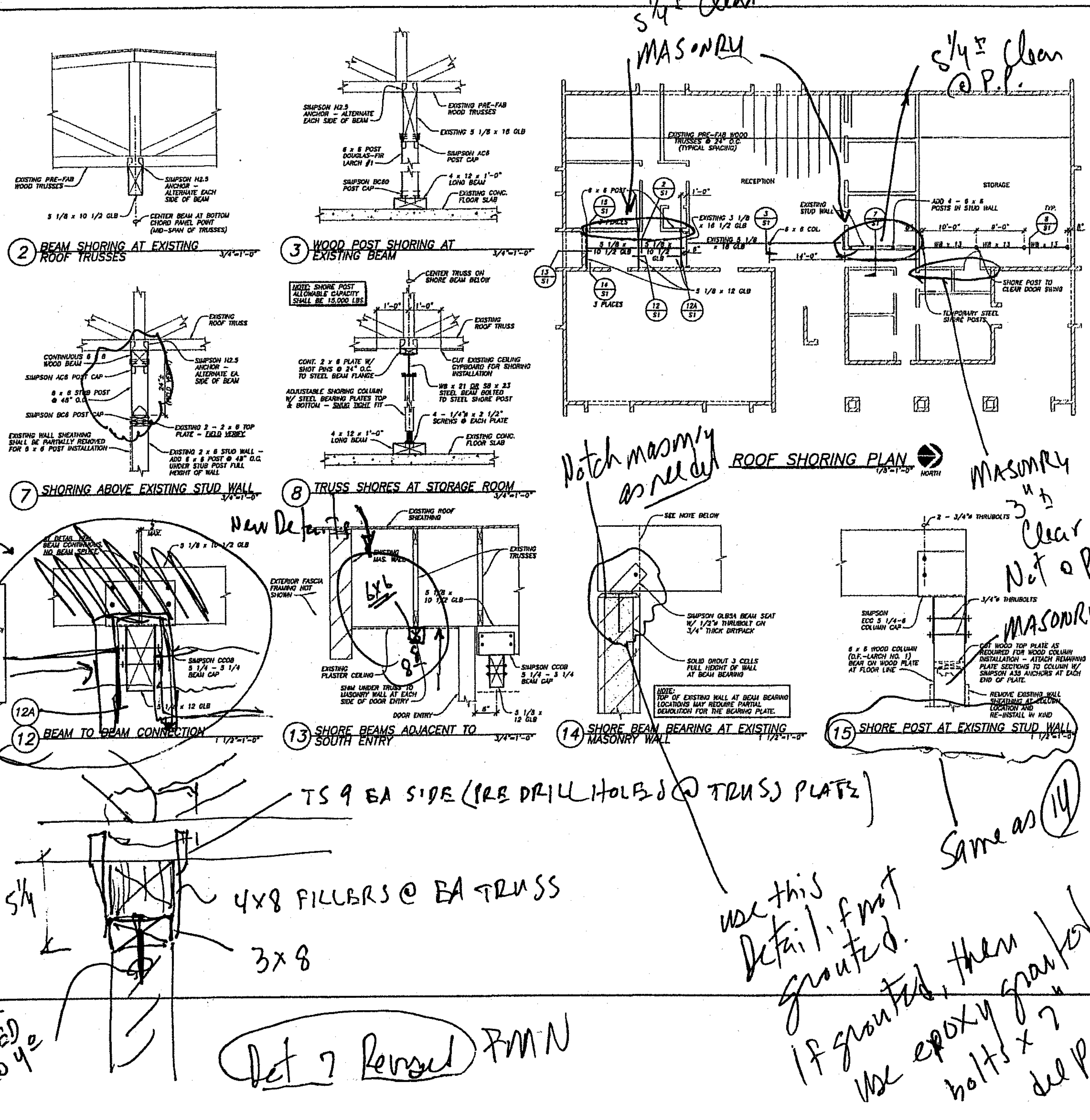
CONNECTION	NAILING
1. JOIST TO SILL OR GIRDER, TOENAIL	3–8d
2. BRIDGING TO JOIST, TOENAIL EACH END	2–8d
3. SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d @ 16" O.C.
4. TOP PLATE TO STUD, END NAIL	2–16d
5. STUD TO SOLE PLATE	4–8d, TOENAIL OR 2–16d, END NAIL
6. DOUBLE STUDS, FACE NAIL	16d @ 24" O.C.
7. DOUBLE TOP PLATES, FACE NAIL	16d @ 16" O.C.
8. BLKG. BETWEEN JOISTS TO TOP PLATE, TOENAIL	3–8d
9. RIM JOIST TO TOP PLATE, TOENAIL	8d @ 6" O.C.
10. TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL	2–16d
11. CONTINUOUS HEADER, TWO PIECES	16d @ 16" O.C. ALONG EACH EDGE
12. CEILING JOISTS TO PLATE, TOENAIL	3–8d
13. CONTINUOUS HEADER TO STUD, TOENAIL	4–8d
14. CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	3–16d
15. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	3–16d
16. RAFTER TO PLATE, TOENAIL	3–8d
17. BUILT-UP CORNER STUDS	16d @ 24" O.C.
18. BUILT-UP GIRDER & BEAMS, FACE NAIL	20d @ 32" O.C. @ TOP AND BOTTOM & STAGGERED; 2–20d AT ENDS AND AT EACH SPLICE

NOTE:
FOR NAILING NOT CALLED OUT REFER TO FASTENING SCHEDULE, TABLE 2304.9.1 OF THE 2012 INTERNATIONAL BUILDING CODE.

(16) NAILING SCHEDULE

8/08 S8-100

5/8" ICBO APPROVED EXP. BOLT OR EPOXY GROUTED BOLT @ 4"



GERVASIO & ASSOC. INC.
CONSULTING ENGINEERS
77 E. THOMAS ROAD, SUITE 120
PHOENIX, ARIZONA 85012
(602) 285-1720 FAX 285-1530

This drawing is an instrument of service, it is the property of GERVASIO & ASSOC. INC. and may not be reproduced or reproduction hereof used without permission.

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Sheet Title: STRUCTURAL NOTES, PLAN, & DETAILS

Date	12/26/14
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Sheet	S1 of 1 Sheets

G&A #4141.0

Nevertheless, the addition of a higher curb for the skylights in this area will have little, if any, effect on the supporting TrusJoists; therefore, the installation of the higher curb at these locations IS ACCEPTABLE, as increase in dead load is trivial.

HOWEVER, WE RECOMMEND that bearing area of the middle TJL under the HVAC unit at the Girls Locker Room be examined by school personnel (which will likely require removal and replacement of ceiling components in this area). This examination should include observation of the "pin-connected joints' at the top and bottom chords of the TrusJoist to observe whether there is any distress or cracking in the wood chords, particularly in the immediate area of its bearing on the wood ledger that supports it.

St. Johns Administration Building - Roof Leaks:

We identified six separate leaks on the reflected ceiling plan. These leaks were manifest by ceiling stains (1) near the middle of the Board Room west wall; (2) within the Vestibule located north of the Assistant Superintendent's office; (3) near the southeast corner of the Lounge; (4) near the northwest corner of the Lounge; (5) near the northwest corner of the Computer room; and (6) near the northwest corner of the large Storage Room.

Our roof inspection revealed that these leaks were likely caused as follows: (1) Board Room leak by malfunctioning screen wall lag screw connection(s); (2 & 3) Assistant Superintendent's Vestibule and southeast Lounge leaks by long diagonal tear in roof membrane; (4 & 5) northwest Lounge and Computer Room leaks by malfunctioning screen wall lag screw connection(s) or duct screw connection(s) or possibly the reported wind damage; and (6) Storage Room leak by improper flashing/counter flashing at the end of the northwest partial parapet wall.

St. Johns Administration Building - Existing Roof Truss Support Beam Repairs:

School personnel emphasized that the installed roof trusses are different than the TJ/50 trusses specified on the drawings. We note that they are spaced at 2 ft. o.c. and not at 1 ft. 4 in. o. c. as specified for the TJ/50 trusses. Circa 2006, excessive sagging was observed in the Lounge area, which was evaluated by a Northern Structural engineer, who recommended the installation of glulam beams under the sagging trusses. Circa 2008, school personnel installed two new glulam beams under these trusses in the Attic plenum. A handwritten note on a Northern Structural floor plan describes the main beam as a "6x26 Lamin beam" and the cross beam as a "4x16 lamin beam". Because these are not standard glulam beam sizes, we assume that the beams are 5-1/8 x 25-1/2 inch and a 3-1/8 x 15 inch glulam beams, respectively. We also verified during our site visit that the main beam is located under a "panel point" near the ridge, which is the correct location. It spans approximately 28.7 ft. and its north bearing is reportedly supported by a wood column (in a furred out interior wall) that bears over an interior footing. The supporting cross beam is reportedly supported by existing walls and spans 7 ft.

We prepared structural calculations to evaluate the load capacity these beams. We determined that the main 5-1/8 x 25-1/2 inch glulam beam is adequate to support the tributary load. We also determined that the cross 3-1/8 x 15 inch glulam beam is also adequate. The reactions of these beams are approximately 15,500 lbs. at the ends of the main beam and 7750 lbs. at ends of the cross beam.

We did not analyze the roof trusses for the changed configuration with the center support, nor did we closely examine these trusses to determine the damage that caused them to sag an excessive amount, as these tasks were outside the scope of our limited site visit work.

St. Johns Administration Building - Northern Structural "Site Observation Report":

The Northern Structural (NS) report was authored by Kirk A. Uchytil, S.E. It was written to address "structural concerns of excessive ceiling deflection, roof truss deflection and drywall cracks that have occurred in some areas of the building."

We have reviewed this report and have the following comments:

1. NS found missing ledgers at an interior (east/west) masonry wall, where there was "excessive deflection." NS recommended installing ledgers at these locations. WE ASSUME that this work was done.

2. NS noted that the discovery of excessive truss deflection "coincides with the major snow storm that St. Johns experienced on March 12, 2006." WE NOTE that Climatological Data Arizona reported 0.95 inches of precipitation and 14 inches of ground snow for March 11, 2006, which is equivalent to approximately 5 psf of snow load.

3. NS found "some areas of concern" in its examination of the trusses, including a crack in a web member and a missing truss plate. WE WILL examine these and other conditions during our proposed detailed examination of the truss system.

4. NS performed structural calculations and determined that "with a dead load of 10 psf" and the self weight of the truss, "the calculated dead load deflection is 2.48 inches at the middle of the span...when adding a snow load of 20 pounds per square foot, the deflection is increased to 6.1 inches." These deflections are very large, and WE WILL PERFORM AN INDEPENDENT analysis of the trusses following our detailed examination of the truss system.

5. NS noted the presence of heavy HVAC units on the roof, and commented that its calculations did not consider these added loads. WE NOTE that the HVAC units were removed and ground mounted units were subsequently installed.

6. NS noted that two intersecting masonry walls extend above the ceiling without lateral support. WE WILL examine this condition during our proposed detailed examination of the truss system.

7. NS noted the presence of "several cracks in walls and ceilings" and essentially explained that the expansive soils that exist in the St. Johns area are vulnerable to expansion when "moisture reaches the soil that supports the foundation."

8. NS proposed several recommendations, including placing a support beam "below the bottom truss and aligned with the truss peak." Its drawing shows one truss in the "Reception" area and another in the large Storage Room. WE NOTE that glulam beams were subsequently installed by District personnel in the Reception area, but not in the Storage Room.

NORTHERN STRUCTURAL
P.O. Box 2874
Phone: (928) 337-3059
St Johns, AZ 85936
Fax: (928) 337-3059

Site Observation Report

Date of Inspection:	May 6 & May 8, 2006
Building Description:	Exterior walls & some interior walls of slump block, wood trusses, and concrete floors.
Building Location:	450 S. 13th St. West, St Johns, Arizona 85936
Client:	St Johns School District

The following report contains the results of an on-site inspection performed at the site listed above. The report addresses structural concerns of excessive ceiling deflection, roof truss deflection, and drywall cracks that have occurred in some areas of the building. For orientation purposes, the East side of the building is considered the front of the building where the main entrance is located. Accompanying this report is a plan view drawing showing approximate locations of each of the photos included in the report.

Observation Findings:

Just inside the main entry, there are areas were the edges of the ceiling adjacent to interior walls are visibly deflecting (sagging). Temporary support has been installed along two of these walls. Photo #1 shows the ceiling deflecting along an interior masonry wall to the north. Photo #2 indicates that a ledger was not installed into the masonry wall to support the edge of the drywall. This masonry wall is parallel to the roof trusses.

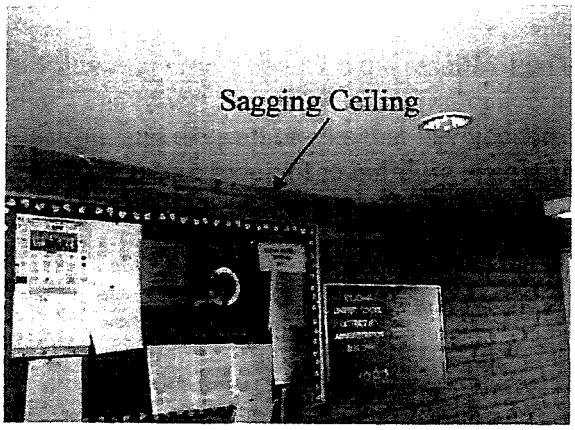

Photo #1: Sagging ceiling adjacent to wall.

Photo #2: No ledger to support ceiling edge.

Photo #3 again shows that a ledger was not installed along another interior masonry wall. This wall is also parallel to the roof trusses. Photo #4 shows a ledger along the masonry wall perpendicular to the trusses. This is the same area that received additional temporary support from below the ceiling due to the ceiling showing excessive deflection within the last 2 to3 months according to Terry Maher.

This time frame of 2 to 3 months coincides with the major snow storm that St Johns experienced on March 12, 2006. During this storm, it appears that the significant load due to the snow caused the trusses to deflect excessively (relative to "normal" deflection without the snow). When this occurred, the part of the ledger fastened to the masonry wall resisted any vertical movement while the extended part of the ledger being supported by trusses deflected downward along with the trusses. This introduced excessive force in the fastener closest to the corner and caused it to fail. This was likely followed by failure of other adjacent fasteners.

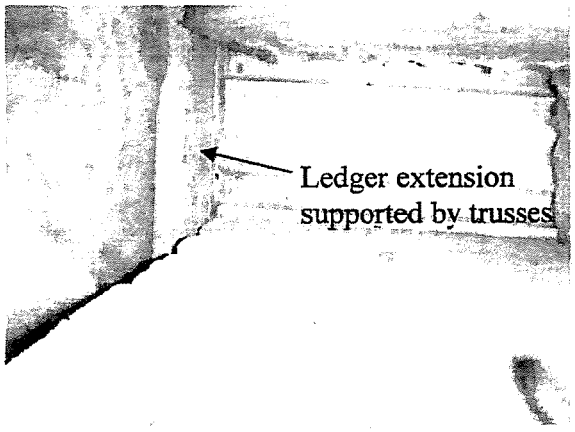

Photo #3: Wall corner with missing ledger

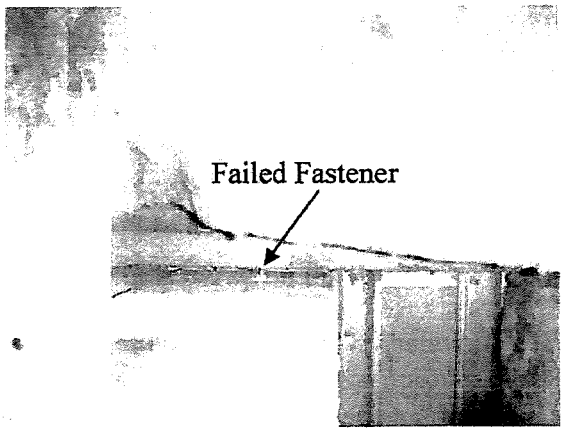

Photo #4: Ledger with failed fastener

Along the south side of the recessed ceiling above the reception area, the light soffit has visible deflection. During the inspection in the attic space, it appeared that the truss directly above this area had excessive deflection in relation to an adjacent truss. Using added access holes provided in the ceiling of this area, it was found that the north truss is nearly 1 inch lower than the adjacent truss to the south (measured from the bottom chord of the two trusses). Following the discovery of this excessive deflection, certain members of this truss were inspected to determine the reason for the large deflection.

The following photos are some items of concern. Photo #5 shows a crack in the web member that penetrates nearly the full thickness of the 2x4 web. Note that this crack has not spread apart which indicates that total failure of the web member has not occurred. Photo #6 shows a missing connector plate at the bottom chord of the truss. There is a connector plate on the opposite side of the truss and it appears to be in satisfactory condition or no evidence of shear failure.

Although the structural concerns indicated from photos 5 and 6 are noteworthy, they do not appear to contribute significantly to the excessive deflection of the truss. It appears that other items might be contributing to the truss deflection but are not visible.

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P.O. Box 2874
Phone: (928) 337-3059
St Johns, AZ 85936
Fax: (928) 337-3059

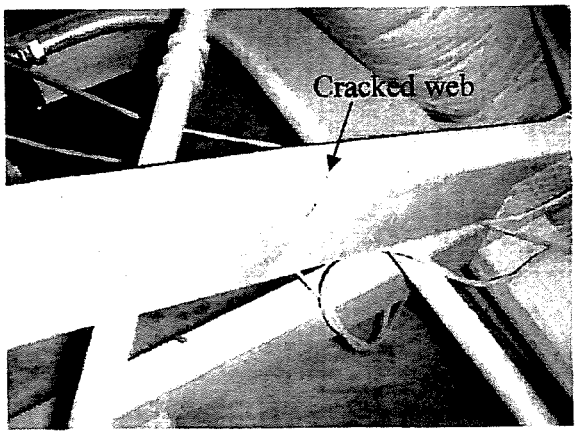

Photo #5: Roof truss web member cracked

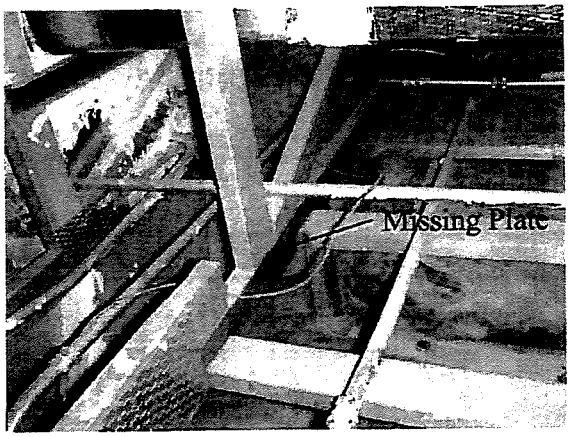

Photo #6: Same truss with missing connector plate

This same truss provides support for the light soffit with excessive deflection. Photo #7 shows one type of soffit support which typically occurs in two places along the soffit. At the end of the soffit, the two soffits that join at the corner are supported with a heavy gage wire as seen in photo #8. This type of support can allow for vertical downward movement due to the crushing of the top corners of the truss bottom chord. The actual crushing may only contribute a small amount to the vertical movement and likely took place during original construction.

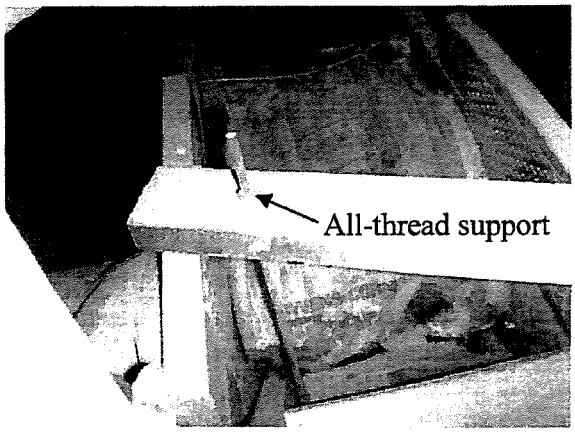

Photo #7: Light soffit support at recessed ceiling

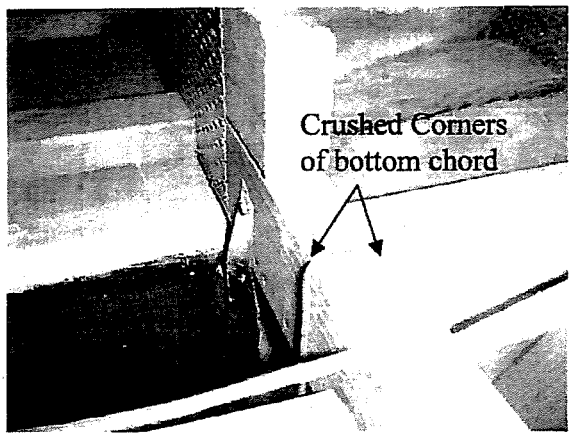

Photo #8: Light soffit support at corners

The existing roof trusses have a surprisingly shallow depth (43 inches at the peak) for the length of span (58 feet) they support. Roof trusses of this type can experience nonrecoverable slip in the plated connectors, if the stresses are high enough in the truss. Therefore, calculations were performed to estimate the amount of stress the trusses are experiencing. Using a dead load of 10 pounds per square foot (psf) plus the self weight of the truss, the calculation results indicated that only the two top and bottom chord truss

members at each end were slightly overstressed. When adding a snow load of 20 psf (approximate minimum snow load required by local building official for St Johns), the results indicated that nearly all the truss members become overstressed. Although plate slippage was not visibly evident, the presence of high stresses from the snow load could have been significant enough to cause plate slippage.

The truss calculations performed also provided results on the estimated truss deflection. The following deflection calculations did not include any value for plate slippage. Again using a dead load of 10 pounds per square foot (psf) plus the self weight of the truss, the calculated dead load deflection is 2.48 inches at the middle of the span. When adding a snow load of 20 pound per square foot, the deflection increased to 6.1 inches. These calculations were performed using a computer program for general structural engineering and may not be as accurate as a computer program specifically written for truss design but are considered usable for estimating purposes.

The truss deflection calculations did not include the loads from these 3 AC units shown in photo #9. The 'Roof Plan' shown on sheet 2 of the original construction drawings specified evaporative coolers. It looks as if the AC units were installed instead, and these AC units are significantly heavier than the coolers would have been.

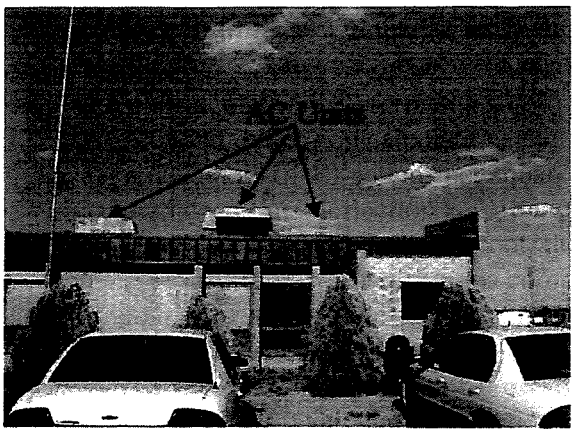

Photo #9: AC Units add to roof load

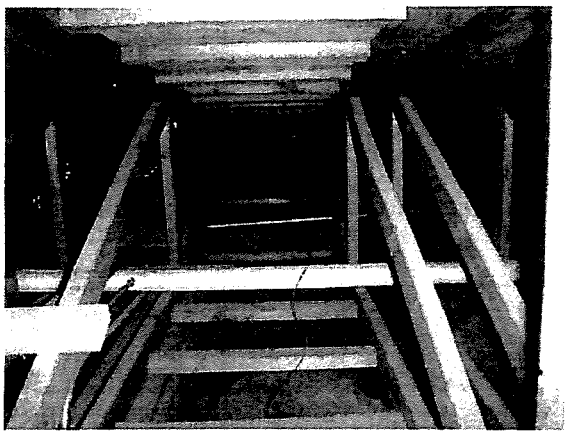

Photo #10: Trusses in vicinity of one AC unit

The original building plans show a closet created by two masonry walls that meet to create a corner. Photo #11 shows one masonry wall with the lower part of the wall removed and cracking in the lowest bed joint. Photo #12 shows the top of both masonry walls that still remain above the ceiling. This type of modification creates a safety concern due to no sound vertical support for the remaining wall.

NORTHERN STRUCTURAL
P.O. Box 2874
Phone: (928) 337-3059
St Johns, AZ 85936
Fax: (928) 337-3059

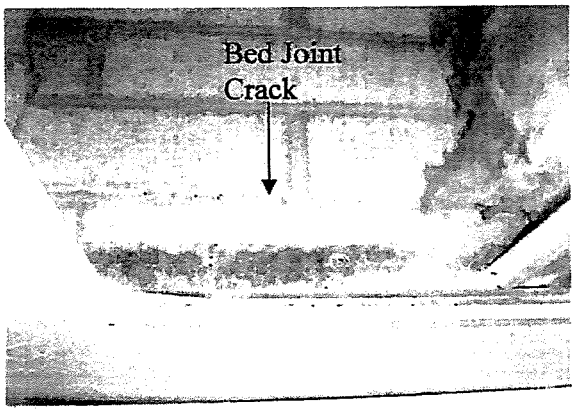

Photo #11: Crack in remaining masonry wall

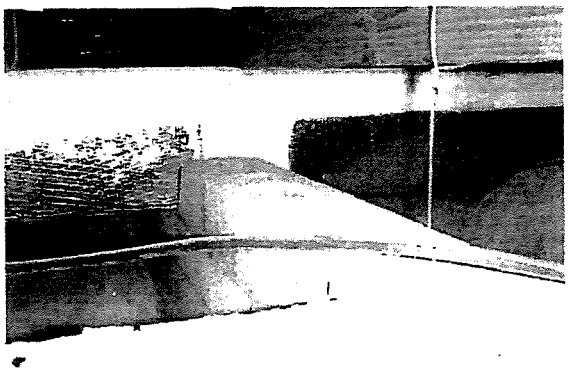

Photo #12: Top of same masonry wall in photo 9

Several cracks in walls and ceilings were visible throughout the building. The crack shown in photo #13 has a gap of approximately 3/8 inch. Photo #14 shows the same crack from the other side of the wall. According to Terry Maher, these cracks have existed for several years and were likely caused from a plumbing leak that had occurred. Considering the expansive soils that are so prevalent in the St Johns area, foundation movement and resulting cracks are common occurrences when moisture reaches the soil that supports the foundation. Soil stabilization can be achieved by keeping the moisture content of the soil constant.

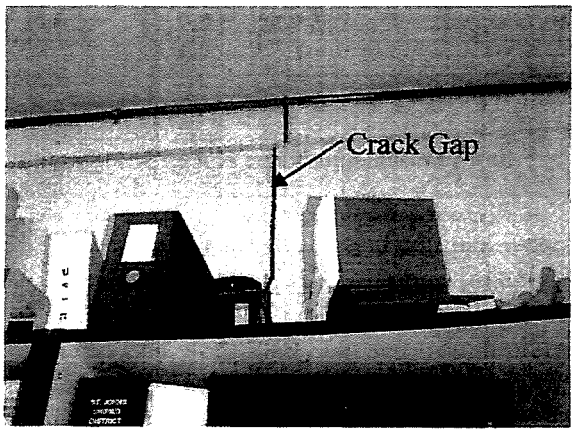

Photo #13: Crack in masonry wall

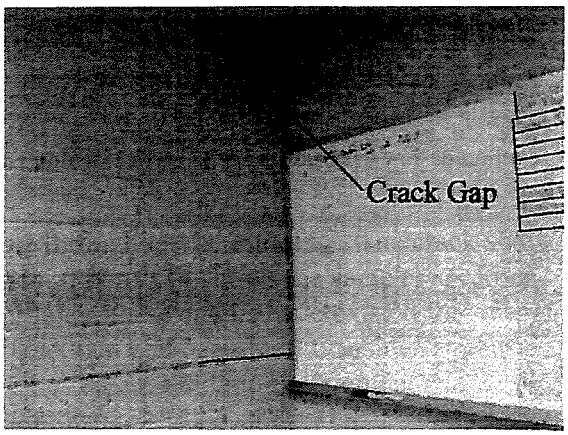

Photo #14: Same crack from opposite side of wall

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P.O. Box 2874
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St Johns, AZ 85936
Fax: (928) 337-3059

Conclusions & Recommendations:

Poor construction methods and "cutting corners" appear to be the main reason for the structural problems being experienced. Ledgers not being installed in many areas of the building are examples of poor construction. It is the opinion of the writer that if the building code at the time of construction had been enforced, the existing roof trusses would have been considered insufficient and would not have been used.

Following original construction, it appears later modifications were also performed using poor construction methods. The remaining masonry walls shown in photos 11 & 12 are a safety concern and should have been removed along with the other part of the wall.

The following is a list of recommendations to help resolve the structural concerns previously mentioned:

1. It is recommended that ledgers be installed that will provide sufficient support for the ceiling edges. This should take place along interior walls both parallel and perpendicular to the trusses.

2. It is strongly recommended that a support beam be placed directly below the bottom truss and vertically aligned with the truss peak. This will reduce the span length by half and eliminate the excessive deflection problems. This will involve added vertical columns along the main walkway going north and south along with foundation modifications. If this middle support is not installed, the current roof truss system may eventually fail. The only other option apparent to the writer is to replace the trusses although this option might not be feasible.

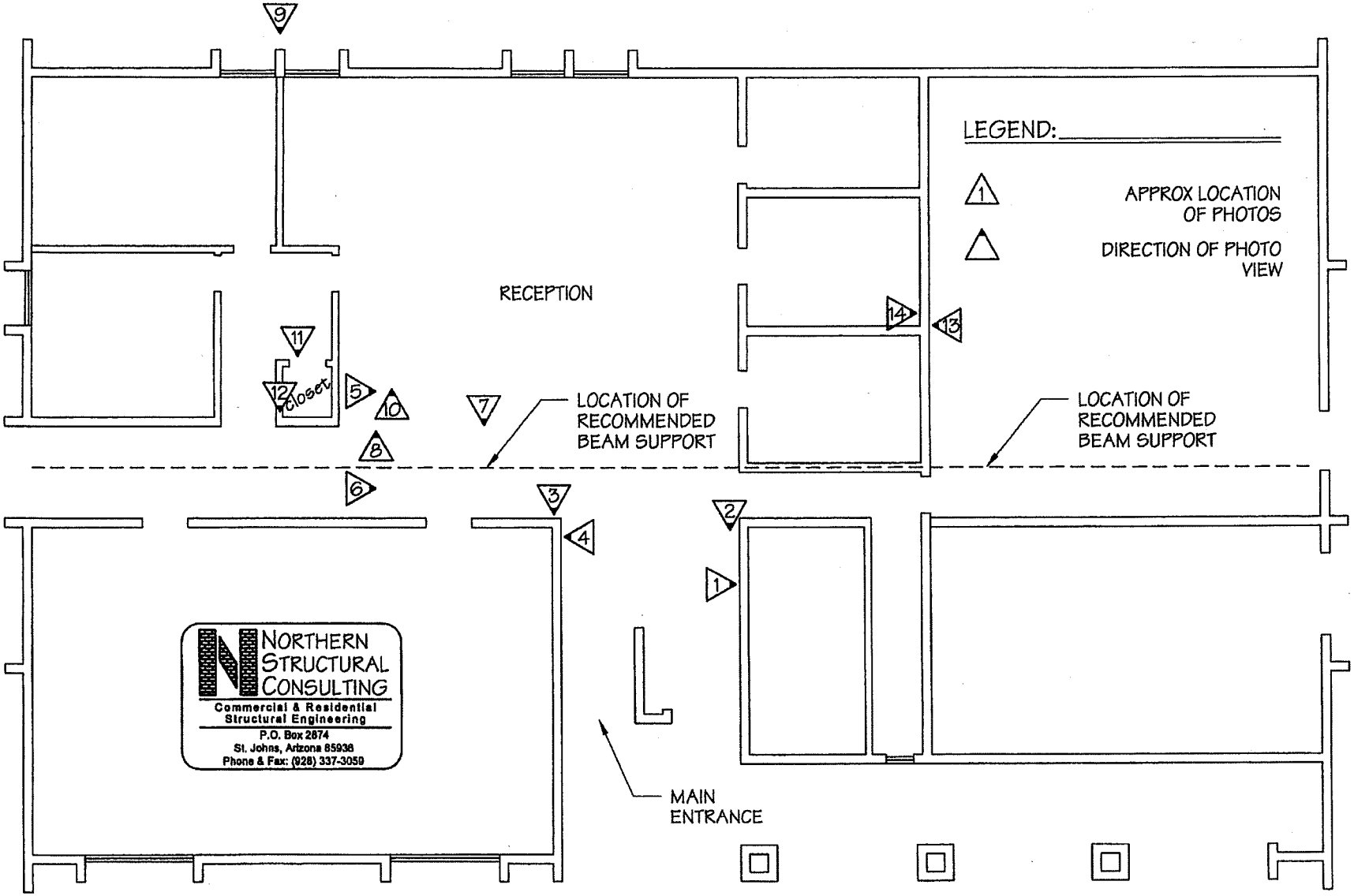
3. Remove the remaining masonry walls shown in photos 11 and 12 and revise the ceiling support accordingly.

4. The cracked web in photo #5 must be repaired. This can typically be done by fastening added 2x4's into the existing member in a certain way to reinforce the member.

5. The cracks that have developed due to expansive soils seem to have stabilized (according to Terry Maher) and are not considered a concern at this time.

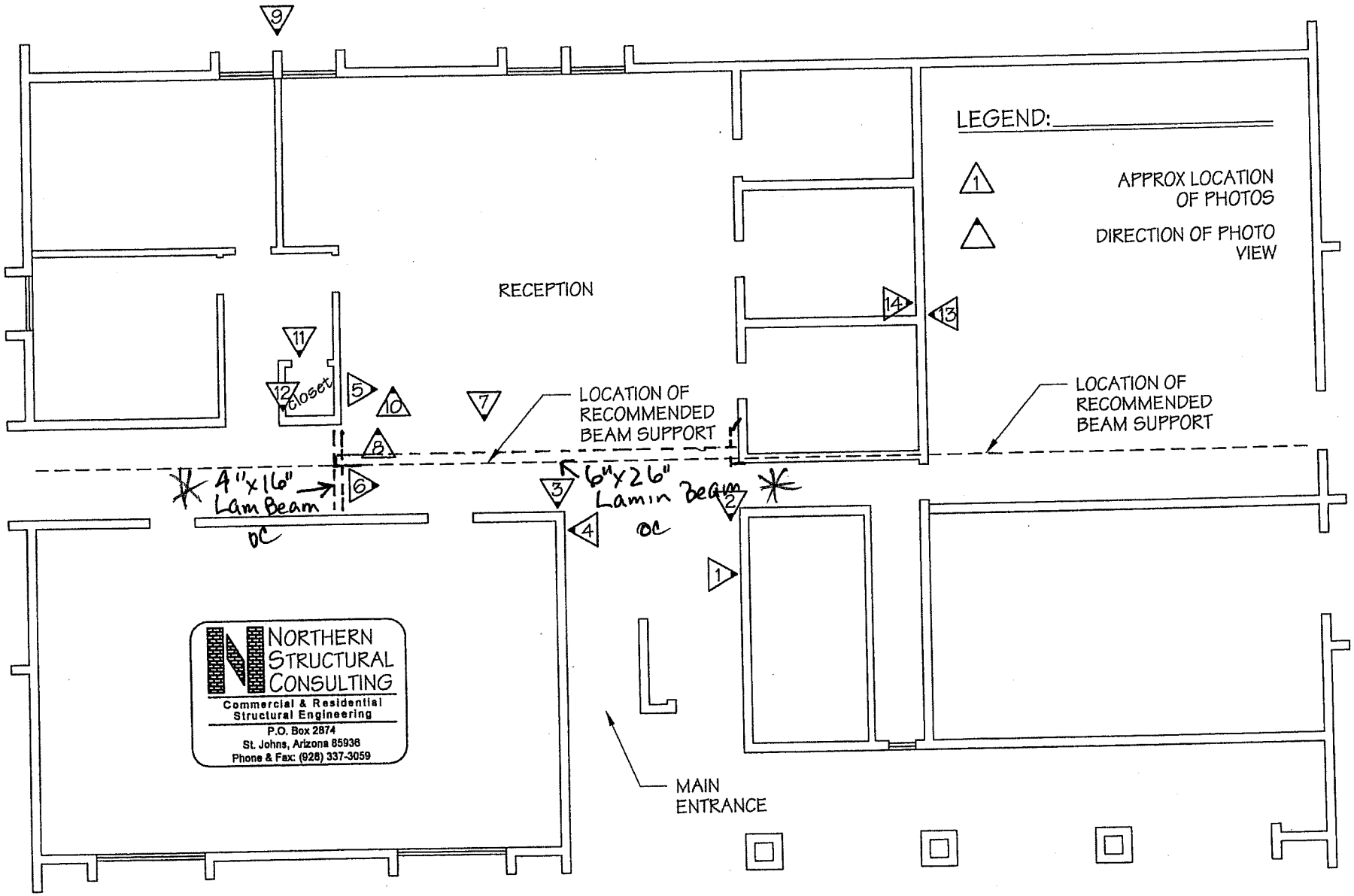
If there are questions concerning this report, please feel free to call.

Kirk A. Uchytil, S.E.



ST. JOHNS DISTRICT ADMINISTRATION OFFICE

SCALE: NONE



ST. JOHNS DISTRICT ADMINISTRATION OFFICE

SCALE: NONE

STATE OF ARIZONA
SCHOOL FACILITIES BOARD

Meeting Date: February 4, 2015 **Agenda Item VIII.c.**

Subject: **VIII. Emergency Deficiencies Correction Requests**
c. Consideration and possible vote to accept, reject or modify Emergency Deficiencies Correction Requests (denial)

Toltec Elementary

Background – Toltec Elementary (Arizona City ES – repair ceiling)
Toltec Elementary has submitted an Emergency Deficiencies Correction request for the repair of the ceiling in the music classroom in Building 1002 at Arizona City Elementary School.

Toltec Elementary, located 57 miles southeast of Phoenix, has two schools. Arizona City Elementary School is comprised of two buildings constructed between 2002 and 2013, totaling 89,399 square feet. These buildings are currently housing a District Sponsored Charter School.

The music classroom ceiling has been over stressed due to the "cloud" and lights that have been attached to it causing a partial collapse. The attachment of the "cloud" and lights must be redesigned to correct current collapse and prevent further/future collapse. The district has installed supports to keep the lighting and ceiling covering in place and safe.

Criteria for Eligibility
A.R.S. §15-2022, paragraph E.: For the purposes of this section, "emergency" means a serious need for materials, services or construction or expenses in excess of the district's adopted budget for the current fiscal year that seriously threatens the functioning of the school district, the preservation or protection of property or public health, welfare or safety.

Staff Recommendation - Toltec Elementary (Arizona City ES – repair ceiling)
Staff recommends that Toltec Elementary's request for Emergency Deficiencies Correction funding to repair the ceiling in the music classroom at Arizona City Elementary School be denied. This school does not qualify for SFB funding because it is a charter school.

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

Board approval of the staff recommendation that **Toltec Elementary**'s request for Emergency Deficiencies Correction funding to repair the ceiling in the music classroom at Arizona City Elementary School be **denied**. This school does not qualify for SFB funding because it is a charter school.

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

School Facilities Board **EMERGENCY DEFICIENCY CORRECTION**

SFB EP 110-08 **Project Application Form**

Emergency Deficiencies Correction Funding Application

Initial Submission Date: 12/8/2014 8:25:13 AM **Application ID:** 1706

Resubmittal Date:

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

District Name:	Toltec School District
Superintendent:	Bryan McCleney
Contact Person:	Hector Longoria
Contact Phone Number:	520-709-8763
Contact Email:	hlogoria@toltecsd.org
School Site:	Arizona City Elementary (formerly Toltec Elementary School)
Buildings:	1001 Elementary

Application Title: Music room ceiling

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 music room ceiling has begun to fall apart and has started coming down. Appears the weight is to great for the supports.

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 Was money to address this issue included in your adopted budget for this fiscal year? **N**

Current fiscal year building renewal expenditures:	$0.00
Current balance of unrestricted capital:	$0.00

Please outline any associated insurance coverage.

There was no event that would cause insurance coverage

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

Bryan McCleney

Superintendent Printed Name

B. McCleney

Superintendent Signature 1/27/15

Date

January 26, 2015

To: Hector Longoria
Toltec School District
hlongoria@toltecsd.org

Re: Design Services for Lighting Grid Support
Arizona City Elementary School

Hector,

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

- There are two classrooms in which an indirect lighting system was installed, suspended from the gypsum board ceiling. Also installed to the underside of the ceiling were sound deadening boards held in place with wood batten strips.
- The light fixtures were fastened to the wood batten strips, which in turn are fastened to the gypsum board, not to any structural element. The weight of the light fixtures are pulling down the batten strips and putting stress on the wiring at the electrical junction boxes.
- Facilities have had to install temporary posts to support the battens and lights. The rooms are currently unusable.

Scope of Services

- Verify existing conditions as they pertain to the lights and battens.
- Provide details as necessary to reattach the sound board and batten system as well as to secure the light fixtures and wiring.
- We will provide an estimated cost for the construction work.
- A structural evaluation of the building is not included.
- Construction Administration services are not included.

Fee

The fee for architectural services, as described above, including on-site inspection and estimated cost would be $1,500. The fee includes travel expenses.

Not included are: state, city or county permits if required, plan reviews and building permit fees if required, asbestos or mold testing, destructive testing.

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p| 480.675.9760 c| 602.363.4096

Additional services include extra on-site inspections, construction bidding or construction administration services. 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

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

Meeting Date: February 4, 2015 **Agenda Item IX.a.**

Subject: **IX. Preventative Maintenance Inspections**
a. Consideration and possible vote to accept, reject or modify Preventative Maintenance Inspection Reports

Skull Valley Elementary

A.R.S. §15-2002 (A)(3) requires the SFB to perform preventative maintenance inspections on 20 school districts every 30 months. The inspection process is as follows:

1. Selection
2. Physical Inspection
3. Written Report
4. District Response
5. Board Review/Approval

Table 1 below shows the inspection status of the selected districts. The report for the district listed above is being recommended for approval today. Please note that SFB staff sent a draft copy of the report to the district and asked for a response within 30 days. District responses, if any, are included with this write-up. Once the report is approved, it is published on the SFB website.

Table 1

District	Physical Inspection	Date of Final Report	30 Day District Review End Date	Presented to the Board
Ash Fork Unified	Complete	10/31/2013	12/2/2013	12/5/2013
Bagdad USD				
Bicentennial UHSD				
Blue Ridge USD	Complete	2/18/2010	3/20/2010	4/7/2010
Bonita Elementary				
Catalina Foothills USD	Complete	6/21/2012	7/21/2012	8/8/2012
Chino Valley USD	Complete	6/3/2010	7/3/2010	8/11/2010
Clifton USD	Complete	8/26/2013	9/26/2013	10/9/2013
Colorado River UHSD				
Continental ESD	Complete	3/17/2011	4/17/2011	5/4/2011
Cottonwood-Oak Creek ESD	Complete	5/16/2013	6/16/2013	6/26/2013
Fountain Hills USD				
Glendale ESD				
Greenlee Alternative				
Hayden-Winkelman USD	Complete	3/25/2013	4/25/2013	5/1/2013
Heber-Overgaard USD	Complete	3/17/2010	4/17/2010	5/12/2010

Isaac ESD	Complete	6/21/2012	7/21/2012	8/8/2012
Littleton ESD	Complete	6/30/2010	7/30/2010	8/11/2010
Mayer USD	Complete	5/16/2013	6/16/2013	6/26/2013
McNary ESD				
Miami USD				
Mohave Valley ESD				
Murphy ESD	Complete	1/8/2010	2/7/2010	3/3/2010
Naco ESD	Complete	2/18/2010	3/20/2010	4/7/2010
Nadaburg USD	Complete	6/14/2012	7/14/2012	8/8/2012
Osborn ESD	Complete	3/30/2012	4/30/2012	6/6/2012
Paloma ESD	Complete	3/17/2011	4/17/2011	5/4/2011
Parker USD				
Pine-Strawberry ESD				
Queen Creek USD	Complete	6/21/2012	7/21/2012	8/8/2012
Ray Unified				
Red Mesa USD				
Riverside ESD	Complete	4/8/2010	5/8/2010	5/12/2010
Sahuarita USD				
San Simon USD	Complete	8/19/2009	9/19/2009	10/7/2009
Santa Cruz Valley UHSD	Complete	12/3/2009	1/3/2010	1/20/2010
Skull Valley ESD	Complete	11/18/2014	12/18/2014	2/4/2015
Tempe UHSD	Complete	3/11/2011	4/11/2011	5/4/2011
Tolleson UHSD	Complete	4/17/2014	5/17/2014	6/11/2014
Tombstone USD	Complete	2/2/2010	3/4/2010	4/7/2010
Topock ESD	Complete	5/7/2014	6/7/2014	6/11/2014
Tuba City USD	Complete	5/16/2013	6/16/2013	6/26/2013
Union ESD	In process			
Valentine ESD				
Valley UHSD				
Washington ESD				
Wilson ESD	Complete	6/21/2012	7/21/2012	8/8/2012

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

Board approval of the Preventative Maintenance Inspection Reports for **Skull Valley Elementary.**

Attachments: Yes [X] No [ ]

STATE OF ARIZONA
SCHOOL FACILITIES BOARD

Governor of Arizona
Janice K. Brewer

Executive Director
Dean T. Gray

November 18, 2014

Vicki Hilliker, Superintendent
Skull Valley Elementary School District
P.O. Box 127
100 Main Street
Skull Valley, AZ 86338

via email: admin@skullvalleyschool.org

Re: Preventative Maintenance Inspection Report

Dear Superintendent:

The Arizona School Facilities Board (SFB) performed a Preventative Maintenance Inspection of your district. A.R.S. §15-2002 requires the SFB to inspect the preventative maintenance programs of twenty randomly selected districts every thirty months.

The purpose of the inspection was two-fold; to verify the performance of the Preventative Maintenance Plan (A.R.S. §15-2002, (A3) and (K)) filed with the SFB by the district, and to determine if the district has the administrative structure in place for consistent preventative maintenance. During the inspection, we also evaluated the performance of the preventative maintenance program based on the condition of the buildings and the building systems.

The results of the inspection are attached for your review. Please respond with any questions or comments within 30 calendar days. Please direct your questions or comments via email to kcampbell@azsfb.gov .

When the review period has concluded, the report with your comments will be presented to the School Facilities Board at the next regularly scheduled Board meeting.

Sincerely,

Dean T. Gray

cc: Laura Briggs – Governing Board President via email: spirittipis@gmail.com

ARIZONA SCHOOL FACILITIES BOARD
PREVENTATIVE MAINTENANCE INSPECTION OF
SKULL VALLEY ELEMENTARY SCHOOL DISTRICT

REPORT HIGHLIGHTS

Conclusion:

Skull Valley Elementary School District has the required Preventative Maintenance Plan filed with the SFB pursuant to A.R.S. §15-2002.

The district has a proactive maintenance program.

Recommendations:

While the district's facilities appear to be well maintained, the district should continue to improve their PM Program by implement the goals and recommendations established and agreed to during the PM Workshop.

Follow-up:

The SFB contacted the district to review the status of the implementation of the goals and recommendations outlined on page 3 of this report.

Preventative Maintenance Inspection Process

In August of 2014, the School Facilities Board completed Preventative Maintenance Inspections and follow-up review of Skull Valley Elementary in accordance with A.R.S. §15-2002.

Inspection process:

1. Discuss with district personnel the current status of the district's preventative maintenance program and demonstrate the required procedures, reports and goals of the School Facilities Board.
2. Perform a field inspection of all school facilities, and
3. Conduct a demonstration workshop with district administrators and maintenance personnel on the requirements and benefits of a compliant Preventative Maintenance Program.

Findings

Following are the findings of the Preventative Maintenance Inspection:

1. The district conducts regularly scheduled inspections of equipment and buildings.
2. The district keeps detailed records of performing preventative maintenance on equipment and buildings.
3. The district performs regularly scheduled preventative maintenance on equipment and buildings.
4. The district uses their preventative maintenance program to identify and plan future projects.

Preventative Maintenance Plan on file	YES
Annual PM Reporting Statement on file	NO
District Self-Evaluation Score	69

(see sidebar on Page 2)

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Skull Valley Elementary

District Overview

Yavapai County,
Skull Valley, Arizona

Schools	1
Buildings	1
Square Footage	8,550
Students	21

District Self-Evaluation Scoring: **69**

Score	Evaluation
26 – 42	Excelling PM program
43 – 56	Adequate PM program
57 – 69	Minimal PM program
70 – 85	Need PM program

Field Inspection Summary

Listed below are some of the preventative maintenance findings identified during the field inspection:

HVAC
Well maintained

ROOFING
Inspected on regular basis

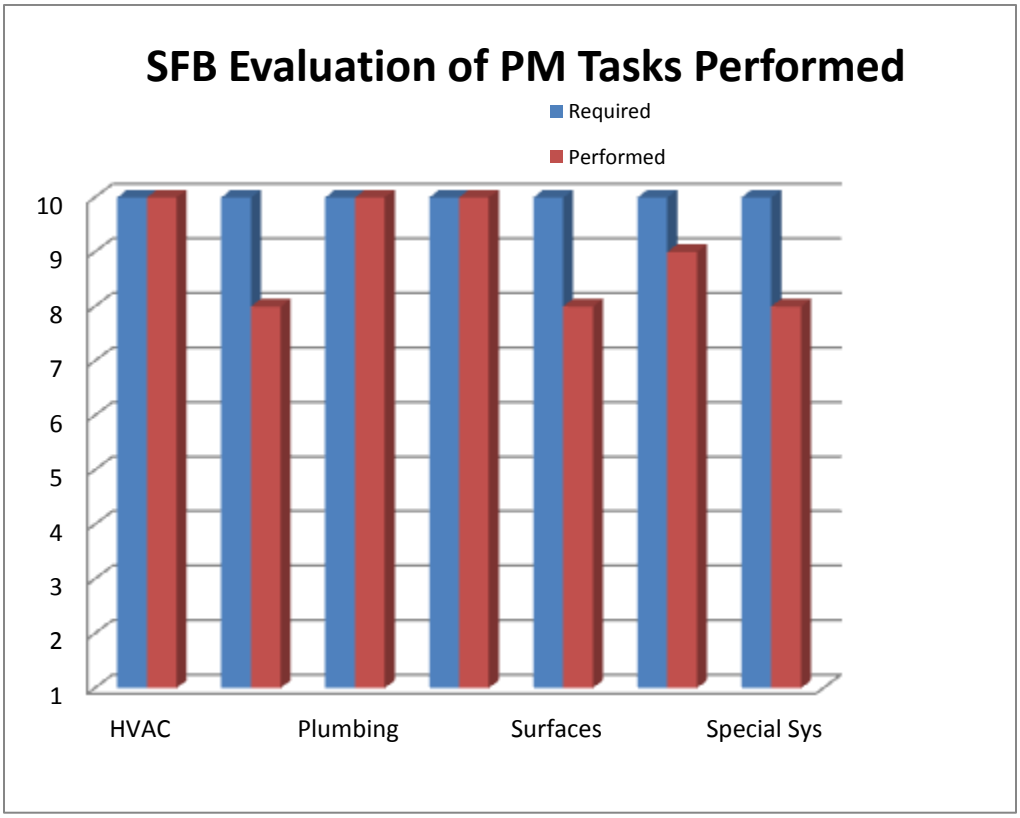
PLUMBING
Issues well documented

ELECTRICAL
Very well maintained

SURFACES
Water intrusion issues documented
Working with SFB to resolve

SPECIAL EQUIPMENT
Very well maintained

SPECIAL SYSTEMS
Very well maintained



SFB Evaluation (on scale of 1 to 10) of PM Tasks performed as shown in chart above:

	HVAC	Roofing	Plumbing	Electrical	Surfaces	Special Equipment	Special Systems
Required	10	10	10	10	10	10	10
Performed	10	8	10	10	8	9	8

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Workshop Attendees

Vicki Hilliker and Brandi Vastine

Workshop

A Preventative Maintenance Workshop was held for the district's administrative maintenance personnel, which included discussion on the district's current preventative maintenance program and the improvements they need to implement, including use of the SFB Preventative Maintenance Program.

A walk-through inspection of the school's facilities was conducted, during which maintenance personnel took a critical look at the equipment and buildings and listed each maintenance issue that was found. Maintenance personnel were aware of many of these issues. Demonstration, discussion and collaboration concluded that the issues found during the walk-through inspection should be addressed through use of the SFB Preventative Maintenance Program.

Recommendations

During the Workshop, SFB staff and district personnel established the following preventative maintenance goals and recommendations:

1. To develop a work order system that seeks input from maintenance personnel, tracks and prioritizes preventative maintenance issues and tasks completed, as well as trends and key data to assist in decision-making.

2. To develop a preventative maintenance program with documentation and written procedures that would allow for a smooth transition to new personnel in the event current administrative or maintenance personnel retire or leave the district.

3. To develop maps and spreadsheets that contains the location and essential information (manufacturer, age, capacity, etc.) of each piece of equipment, roof, etc.

4. To develop maps of underground utilities and emergency shut-offs and provide training for administrative and maintenance personnel on their location (well marked and easy to identify) and function.

5. To improve communications between school administrators and the SFB regarding fire code and health department compliance issues such as high storage, open food containers, etc.

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Benefits

Proper use of the SFB Preventative Maintenance Program in conjunction with the Building Renewal Program has proven to provide the following benefits:

1. Improved educational achievement.
2. Projects are developed and prioritized based on real need.
3. Reduced costs and improved routine maintenance.
4. Facilities maintain code requirements for fire, health and safety.
5. Maximize use of Building Renewal funds.
6. Equipment replacement based on life-cycle.
7. Reduced energy costs.

To view the backup documentation for this report please visit the SFB website:

Skull Valley ESD

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

Meeting Date: February 4, 2015 **Agenda Item IX.b.**

Subject: **IX. Preventative Maintenance Inspections**

b. Consideration and possible vote to accept, reject or modify the random selection of districts for a Preventative Maintenance Inspection

Deer Valley Unified

A.R.S. § 15-2002(A)(3) requires the SFB to perform preventative maintenance inspections on 20 school districts every 30 months. At the September 2008 Board meeting, the Board randomly selected 20 school districts for inspection. Further, the Policy requires that the Board select new districts for inspection if any districts have been completed. The inspection process is as follows:

1. Selection
2. Physical Inspection
3. Written Report
4. District Response
5. Board Review/Approval

Provided the Board acted to approve the Preventative Maintenance Inspection Report presented in the previous agenda item, the next randomly selected district for a Preventative Maintenance Inspection is Deer Valley Unified.

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

Board selection of **Deer Valley Unified** for Preventative Maintenance Inspection.

Attachments: Yes [ ] No [X]