



**Citizens Bond Oversight Committee
Quarterly Meeting
November 10, 2015
5:00 pm, Patrick Elementary School**

WELCOME (5:00 – 5:05).....	Dan Malone CBOC Chairperson
COMMITTEE INTRODUCTIONS (5:05 – 5:15).....	Dan Malone
REVISED CBOC CHARGE (5:15 – 5:20).....	Cindy Powell Chief Financial Officer
BOND PROGRAM PROGRESS REPORT (5:20 – 6:05)	Chad Branum, Assistant Superintendent of Technology Bob Carlisle, Executive Director of Plant Services Jeremy Earnhart, Director of Fine Arts Tim Collins, Director of Transportation James Smith, Security Manager
REPORTS (6:05 – 6:15).....	Cindy Powell Bob Carlisle
Construction Fund Summary Report Facilities Progress Report HUB Participation Report	
ELEMENTARY STEM LAB PRESENTATION (6:15 – 7:05).....	Danielle Reynolds Science & Health Curriculum Coordinator
FACILITY ASSESSMENT STANDARDS (7:05 – 7:15).....	Cindy Powell Bob Carlisle
OTHER BUSINESS (7:15 – 7:30).....	Dan Malone



AISD Board of Trustees Charge to the Citizens Bond Oversight Committee

The Citizens Bond Oversight Committee (“Committee”) is established to provide transparency and enhance public confidence in the use of proceeds from the sale of bonds authorized by Arlington Independent School District (“AISD” or “District”) voters on May 10, 2014. The purpose of the Committee is to provide findings and recommendations to the Board of Trustees (“Board”) relating to the expenditure of bond proceeds authorized in the 2014 Bond election, the progress of the 2014 Bond program, and ways the District can maximize the potential of the 2014 Bond program.

The Committee shall operate strictly within the charge approved by the Board.

The Committee shall serve in an advisory capacity to the Board and shall not assume the responsibilities or duties of the Board or AISD administration.

The Committee shall be comprised of a maximum of 11 voting members appointed by the Board and non-voting student members consisting of the Board's Student Leader Advisory Board (“SLAB”) members. Committee membership may include no more than 1 AISD employee.

Individuals must pay property taxes (residential and/or commercial taxes) to the Arlington Independent School District and be paid current on their property taxes to be eligible for Committee membership. Every application received by the Board shall be given careful consideration. Final selection shall be determined by the Board.

Committee members, their relatives and their employers are prohibited from having contracts or pending contracts with AISD for the 2014 bond program during their term on the Committee.

Committee members shall serve two-year staggered terms. In the year of creation, 5 of the 11 Committee members will be appointed to one-year terms, and 6 of the 11 Committee members will be appointed to two-year terms. Any Committee member who files for election to the Board must immediately resign from the Committee.

Terms may be extended for additional one or two year terms upon approval by the Board.

The Committee shall represent equally all citizens, all students, all school campuses, and all taxpayers within the boundaries of the Arlington ISD.

Individual members of the Committee shall not exercise authority for the Committee as a whole and shall not act independently of the Committee.

The Committee shall operate within applicable AISD policies and regulations and applicable law.

All meetings of the Committee (and subcommittees) shall be open to the public.

The AISD administration shall be available to the Committee as required, but within limitations imposed by the administration's daily duties.

Each Committee member shall be asked to make a firm commitment to attend all Committee meetings, to visit District facilities as needed, and to participate in the formation of reports to the Board. Committee members shall miss no more than two Committee meetings in any calendar year (not including subcommittee meetings) to remain a member of the Committee. Any member who misses three Committee meetings will be automatically dropped as a Committee member and the Board may appoint a replacement.

The Board shall appoint a Committee Chairperson to serve at the will of the Board. The Committee Chairperson and Superintendent or Superintendent's designee shall establish the specific timeline, frequency of meetings, and agendas for the meetings. The Committee Chairperson and Superintendent or Superintendent's designee shall also organize the formation of subcommittees, as appropriate, to research and analyze issues in greater detail. Subcommittees shall operate strictly within the Committee charge approved by the Board.

The Committee may adopt operating rules and may seek advice from AISD employees as appropriate.

The Committee shall meet at least once each quarter to review the bond program expenditures and progress. Additional meetings may be called, as necessary, by the Committee Chairperson and Superintendent or Superintendent's designee (not including subcommittee meetings). In the first year of operation the Committee may hold up to two additional organizing meetings.

Two-thirds of the Committee membership must be present at scheduled meetings in order for the Committee to vote. If less than two-thirds of the Committee membership is present, they shall meet but not vote. All decisions of the Committee shall be made by majority vote.

The Committee shall begin its duties not later than October 2014. The Committee shall provide progress reports, findings, and recommendations to the Board semi-annually or more frequently, if appropriate. The Committee Chairperson may contact the Board at any time.

The target date for completion of responsibilities shall be the first Board meeting in January 2020, or such date at which all scheduled bond projects have been completed. Upon completion of its responsibilities, the Committee shall dissolve unless continued by approval of the Board. The Board may suspend the Committee at any time.

The Board may act upon any interim or final finding or recommendation by approving, amending, altering, or not approving all or any part of the any Committee recommendation.

The Citizens Bond Oversight Committee is charged with the following:

- Review the January 2014 report submitted to the Board by the 2013-14 Capital Needs Steering Committee to gain an understanding of the projects and capital needs recommended for inclusion in the 2014 Bond Program.
- Review the process used to solicit, qualify, and select design professionals and contractors and vendors for projects funded from the 2014 Bond Program.
- Review reports on the current status and planned implementation of the 2014 bond program to determine whether such status and implementation are consistent with the bond program approved by the voters.
- Review bond program reports that track budgets, encumbrances, expenditures, and estimated costs for completion for each bond project.
- Review HUB utilization on facilities projects.
- Review internal and external audits of the bond program to ensure the adequacy of scope, administration's response to the audit, and remediation efforts of the District, as applicable.
- Review and provide input on AISD communications to the public regarding the 2014 bond program.
- With the coordination of the Superintendent or Superintendent's designee, conduct on-site campus and facility visits related to bond projects, as necessary, in a non- disruptive manner.
- Agree by majority vote upon all findings and recommendations to be presented to the Board.
- Provide reports to the Board semi-annually or more frequently, if necessary, on the implementation of the 2014 bond program and any findings and recommendations for corrective actions or adjustments to the bond program.
- Coordinate with the Superintendent or the Superintendent's designee to maintain a presence on the AISD website with a link on the AISD home page. The website shall timely provide the public with information regarding the Committee's activities, including: meeting agendas and minutes; information, presentations and reports received from AISD staff; and meeting schedules of the Committee and all subcommittees.



2014 Bond Program Progress Reports

November 10, 2015



2014 Bond Program Update



Fine Arts





Fine Arts - *highlights*

- Two fine arts/dual language academies opened August 2015
 - Corey Academy
 - Jones Academy
- Instrument repair course established
 - Partnership with Music & Arts
 - Housed at Bowie High School until Fine Arts Center open
- Planning for Year 2 instrument/uniform purchases





Jones Academy of Fine Arts and Dual Language



Instrument Repair Course

ArlingtonISD
BOND 2014



2014 Bond Program Update



Safety, Security and Technology



2014 Bond Program Update



Transportation





Transportation - *highlights*

- Zonar installed on all buses this summer
(included in the technology category of bond funds)
- Vehicles planned for year 2 have been ordered
- Applied for grant to assist with purchase of propane buses



2014 Bond Program Update



Facilities



Current Construction

- Ferguson Education Center
- Ousley Junior High
- Workman Junior High
- Hutcheson Junior High (demolition)
- Peach Elementary
- McNutt Elementary
- Six Multi-purpose Activity Centers



Facilities - *highlights*

- Construction has begun on a 16-classroom addition and new entry for Workman Junior High. The cafeteria was expanded over the summer.





Workman Jr. High





McNutt Elementary



Arlington ISD
BOND 2014

ROAD ELEMENTARY SCHOOL /
W



 Peach Elementary

Arlington ISD
BOND 2014



Peach Elementary



Facilities - *highlights*

- Construction has begun on multi-purpose activity centers at each high school.



Multi-Purpose Activity Centers



Arlington High School



Bowie High School



Facilities - *highlights*

- Hutcheson Junior High is in the process of demolition and will be replaced by a districtwide Career and Technical Center.





Phase 2 Projects

- 37 campuses
 - Condition deficiencies (all campuses)
 - STEM Labs, strings room, security vestibule (elementary campuses)
- Projects are in design development with architects
- Renovation work begins in spring 2016



Construction Contracts

Project	Procurement Method	Construction Budget	Contract Amount	Surplus/ (Deficit)
Ferguson/Ousley JHSs	CMR	\$5,354,650	\$5,242,977	\$111,673
McNutt ES	CSP	\$21,167,000	\$19,816,000	\$1,351,000
Peach ES	CMR		\$22,146,969	
Less B&G Club Participation			\$1,117,533	
AISD		\$21,167,000	\$21,029,436	\$137,564
Workman JHS	CMR	\$10,166,919	\$11,076,354	(\$909,435)
Career Tech Center (Partial GMP)	CMR	\$39,221,336	\$806,515	N/A
Demolition of Hucheson JHS				
Lamar Baseball-Lighting and Bleachers	Interlocal	\$463,881	\$361,616	\$102,265
Multi-Purpose Activity Centers (6)	CMR	\$51,231,697	\$58,676,555	(\$7,444,858)
Corey Academy	CMR	\$7,300,897	\$7,291,615	\$9,282
Net Surplus/(Deficit)				(\$6,642,509)
N/A: This work is within the preliminary estimates received and until the remaining GMP is approved, surplus/deficit cannot be determined.				

HUB Participation

Project Description	HUB Commitment %	Project Budget	HUB Commitment Amount	Tier II HUB Participation Thru 10/15	Total Expenses Thru 10/15	HUB Participation
TOTALS	25%	\$ 299,776,864	\$ 73,985,702	\$ 3,111,700	\$ 15,601,089	19.95%

Source: 10/2015 HUB report included in CBOC meeting packet



Other Significant Activities in 2015-16

- Select architects for phase 3 projects
 - 34 submissions received in response to RFQ
- Boundary Committees
 - Peach Elementary (*relieves Ellis, Larson, Sherrod*)
 - McNutt Elementary (*relieves Amos, Burgin, Foster, Goodman & Morton*)
- Instructional Programming
 - Fine arts and dual language academies
 - Elementary STEM labs
 - Career/Tech Center
- Agricultural Science Center Design
- Staffing of new elementary schools



TCC / AISD Partnership

- Tarrant County College collaboration with AISD:
 - Offer technical dual credit courses for all courses offered at the CTE Center
 - 2+2 Degree Program
 - Students obtain stackable credentials
 - Share learning space to create course opportunities for TCC and AISD students
 - Learning day to include evenings, weekends, and summer for technical dual credit
 - Mix/combine AISD students with TCC students as appropriate to maximize course opportunities



Career/Tech Center Planning

- Committees
 - CTE Schedule
 - Transportation
 - Marketing
 - Application Process
 - Staffing and Recruitment





QUESTIONS?



FINE ARTS



**Arlington ISD
Department of Fine Arts
Bond Purchase Progress
November 10, 2015**

The following is a break down on what has been submitted for purchase by the AISD Fine Arts Department using money provided by the 2014 bond package for year 1.

Band Equipment/Instruments/Uniforms

Junior High	258,707.50
High School	582,026.50
Total	<u>840,734.00</u>

Choir Equipment/Instruments/Uniforms

Elementary	163,029.82
Junior High	0.00
High School	0.00
Total	<u>163,029.82</u>

Orchestra Equipment/Instruments/Uniforms

Elementary	375,479.70
Junior High	148,547.70
High School	270,953.50
Total	<u>646,581.75</u>

Grand Total	1,650,245.57
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<u>Instrument</u>	<u>Elementary</u>	<u>Junior High</u>	<u>High School</u>	<u>Total</u>
Flute		38	39	77
Oboe			2	2
Clarinet		56	48	104
Bassoon		2	5	7
Alto Sax		27	25	52
Tenor Sax				
Bari Sax			3	3
Bass Clarinet		4	8	12
F Horn		2	13	15
Trumpet		53	38	91
Trombone		29	23	52
Euphonium		10	7	17
Tuba			6	6
Sousaphone			5	5
Vibraphone			2	2
Xylophone		1	4	5
Marimba		3		3
Snare Drum		3	14	17
Bass Drum			1	1
Marching Horns			8	8
Tympani (sets)		1		1
Chimes				
Guittaron/Vihuela				
Misc. Percussion		20	49	69
Violin	217	69	53	339
Viola	151	38	28	217
Cello	109	32	19	160
String Bass	53	3	4	60

Additional equipment includes:

- Chairs
- Risers
- Orff Instruments
- Music Stands
- Electronic Equipment including tuners, metronomes and keyboards
- Concert Shells
- Cases
- Pianos
- Fine Arts Dual Language equipment
- Bows

SAFETY, SECURITY & TECHNOLOGY



Network Services

Network & Wireless Equipment Upgrades:

- Complete network upgrades scheduled for 2015-16:
 - Swift, Sherrod, Short, Bebensee, Webb, Crouch, Foster, Williams, Wimbish, Remyne, Turning Point HS, Burgin, Blanton, Amos, Atherton, Turning Point JH, Morton, Crow
- Wireless upgrades scheduled for 2016:
 - Dunn, Ferguson, Anderson, Key, Carter, Goodman, Ellis, Hale, Johns, Pope, Knox, South Davis, Berry, Rankin, Roark, Speer, Kookan, Thornton, Roquemore

Public Address System Upgrades:

- PA System upgrades scheduled for spring 2016 (originally scheduled for fall 2015, but delayed because a new version of the system will be available at no additional cost):
 - Bowie, Carter, Bebensee, Farrell, Fitzgerald, Short, Starrett, Thornton, West, Williams, Wimbish

Technology Support

Classroom Standards - order based on age of equipment

- Audio/Visual
 - Completed and/or Fall 2015:
 - Anderson, Arlington High, Bebensee, Beckham, Butler, Ferguson Center, Knox, Lamar, Little, Morton, Ousley, Percy, Pope, Remyne, Roark, Sam Houston, Seguin, Sherrod, Thornton, Turning Point HS, Williams
- Teacher Devices
 - Goal is to rollout teacher setup at same time as A/V integration
 - Completed and/or Fall 2015:
 - Anderson, Arlington High, Barnett, Beckham, Butler, Ditto, Ferguson Center, Knox, Lamar, Little, Morton, Ousley, Percy, Pope, Remyne, Roark, Sam Houston, Seguin, Sherrod, Swift, Thornton, Turning Point HS, Williams, Wimbish
- Student Devices - TBD
 - 1 Chromebook Cart for every two classrooms 3rd-12th grade
 - 1 iPad Cart for every two classrooms PreK-2nd grade
 - School completed so far (just chromebooks)
 - Anderson, Bailey, Bebensee, Blanton, Ditto, Dunn, Ellis, Foster, Johns, Little, Martin, Morton, Sam Houston, Seguin, Shackelford, Short, South Davis, Starrett, Thornton, Webb, Young

<http://tinyurl.com/aisdtechbond>

Replacement Schedule

- Ongoing replacement/repair of technology devices as needed (desktops, laptops, document cameras, Interactive Whiteboards, projectors, printers, etc.)
- VDI (Virtual Desktop Infrastructure) – Phase 1
 - All elementary computer labs
 - All libraries
 - Various admin areas

1:1 Initiatives

- STEM Program @ Martin HS (125 devices)
- Arlington Collegiate High School (125 devices)

*Complete detail of bond purchases regarding replacement schedule and expansion of technology in the classroom are included in report.

Instructional Technology Department

Blended and Online Learning

Highlights of ongoing work related to the visioning and implementation of blended and fully online learning opportunities include:

- Teachers and students are nearing the end of their online learning experience in the Career, Technology, and Higher Education Investigations (CTHEI) course. Over the course of the 2nd Six Weeks, eighth grade students have worked as blended learners: physically present in their classrooms, but learning via engaging content and rigorous experiences hosted in Canvas, AISD's learning management system (LMS). Feedback about the experience and the course will be utilized to enhance the quality and effectiveness of the experience for the '16-'17 school year.
- A blended learning grant proposal, focused on utilizing blended and online learning to raise levels of student achievement in Algebra I, will be submitted to *Raise Your Hand Texas* on November 20.
- Draft strategies related to the multi-faceted goals for blended and online learning in Arlington ISD have been submitted for consideration in the new strategic plan.
- Teacher and student usage of Canvas continues to grow. As of November 7, there were 716 published courses in the current terms, with over 24,000 students and over 500 teachers utilizing the system for varying purposes, including blended learning, information sharing and communication, and textbook access.

BrightBytes Data Collection Tool

This is the second year for us to utilize the Clarity BrightBytes survey to help us collect

and analyze data regarding technology knowledge, access and skills. This survey helps us establish some performance measures in four different areas:

- technology use in the classroom (staff & students)
- access to technology (staff & students)
- technology skills (foundational, online, multimedia with staff & students)
- technology environment (support, professional development, beliefs & values among staff & students)

This tool is particularly powerful in that it not only measures your current performance in these areas, but provides recommendations and tools to help districts improve performance moving forward. The data significantly impacted decision making regarding our current bond implementation and the Technology Division plans on engaging in the BrightBytes process annually to track progress towards our goals. This year, the campus technology liaisons are using this data as one of the key data pools to help design a campus professional learning plan that meets each school's specific needs as identified by last year's survey. We are excited about moving forward and making targeted, deliberate decisions regarding professional development and learning based on quantifiable data and measurable goals.

Interactive Projector Upgrade

Secondary teachers have the option to submit a request to have an interactive projector installed in their classroom. Teachers can submit their request via a Google Form (bit.ly/interactiveprojector). This request was put into place so that teachers who had previously had either an interactive projector or a Promethean Board would be able to continue to teach with the tools in which they had become accustomed. Secondary and elementary teachers that receive an interactive projector will be able to request the ActivInspire software via a Google Form (bit.ly/activinspirerequest). This request was put into place so that teachers who had been using ActivInspire in their daily teachings could utilize all of the flipcharts that had been used in previous years. Once a request has been submitted, the Instructional Technology Department will review the submissions and approve or decline the requests.

Libraries & Media Services

Libraries by the numbers for the first six weeks of school:

- 264,384 items circulated
- eBooks accessed 10,411 times
- 9,917 classes visited libraries for checkout and/or integrated curriculum lessons
- 53,044 drop in patrons received library services

eBooks and other digital resources are becoming more accessible as libraries are part of the technology classroom standards and computer refresh projects. Elementary libraries are also beginning to receive mobile devices in the forms of Chromebooks and

mini-iPads (starting in the spring) that will be dedicated for use by classes coming to the library for integrated curriculum and information literacy lessons.

In order to become more skilled in Google applications, 30 librarians are currently studying to take the Google certification level 1 test during this school year. 15 of those same librarians are challenging themselves to take the Google certification level 2 test during this year as well.

Makerspaces are becoming part of many library spaces and programs at all levels. The materials that go into these spaces are funded in multiple ways through grant opportunities and federal funding. These spaces allow our students opportunities to interact and create using high tech items such as 3D printers, Ollie robots, and Lego robotics, as well as with low tech items such as origami paper and yarn.

Partners in Technology (PIT) Crew

In order to maximize the impact of technology integration on teaching and learning, the Instructional Technology Department refocused its efforts for the spring semester. While each Instructional Technology Specialist continues to serve the 600+ teachers in their assigned schools, they also committed to dedicating as much time and effort to three teachers at each campus who were ready and willing to take next steps toward becoming outstanding, innovative teachers who seamlessly integrate technology into their classrooms. We called these teachers our Partners in Technology—the PIT Crew! Some of these PIT Crew members were technology novices who were committed to taking the first steps in using technology in the teaching and learning process while others were teachers who were very skilled in technology integration and were willing to take the next steps to further transform his or her classroom with the newest tools and emerging technologies. Some examples of a PIT Crew project involved working with a junior high teacher to use Animoto videos with her students, working with a third grade teacher and using iPad apps to create animations, working with an elementary librarian to use Chromebooks with students in the library, and working with two kindergarten teachers to increase their use of technology with their young students. The Instructional Technology Department sent several PIT Crew teachers and librarians to the Tots and Technology Conference this past summer to help support them in their efforts to integrate more technology into their classrooms and libraries.

Professional Development

The Instructional Technology Department will be supporting all bond equipment through series of resources, trainings, and professional learning opportunities. Resources could be anything from step by step instructions, to website links, to instructional videos which users could access anywhere and at anytime based on their specific needs. Trainings are more tool focused where the instructor is walking participants through the different features of a piece of software or a specific app. Professional learning focuses more on

the why related to using technology for student learning. Participants may be shown a few technology tools to accomplish a task but an in-depth overview of the tool is not the focus of the session. These sessions will include, but are not limited, to projectors, AV set up, Chromebooks, iPads, Google Apps for Education, Office 365, SAMR, and Communication & Collaboration Using Technology. Sessions are offered at the PDC, at campuses, or through on-line platforms such as lynda.com and Canvas.

Summer Institute sessions offered: 307 sessions total (June and August)
Fall 2015 Paraprofessional sessions: 19 hours

Robotics & Coding Summer Camps for Students

The Instructional Technology Department plans to offer a series of one-week camps for students during the summer of 2016 focusing on robotics and coding. These sessions will be offered to upper elementary through high school students with each age group focusing on different age-appropriate activities and technologies. Registration will be in early Spring 2016.

Technology Literacy Assessment

At the end of each school year, all 8th graders are assessed on their technology literacy. The 8th grade Technology Literacy Assessment (TLA) measures our students' mastery of the Technology Applications TEKS and whether or not they are digitally prepared for high school. The four categories include Below Basic (100-200), Basic (200-300), Proficient (300-400), and Advanced (400-500). For the 14-15 school year, our 8th grade students scored in the proficient zone with a district average of 316 on the post test, indicating that our 8th grade students were "on grade level" regarding their understanding and mastery of the Technology Application TEKS.

At the beginning of the 2015-16 school year, all 8th graders were administered the Technology Literacy Pre-Assessment. Our current 8th graders overall district score was 279 on the pre test which is at the Basic level. The assessment scores were also broken down into the six ISTE NETS-S standards six strands. Our current 8th graders scored as follows:

- | | |
|--|-------------|
| ● Creativity and Innovation | 275 (BASIC) |
| ● Communication and Collaboration | 247 (BASIC) |
| ● Research and Information Fluency | 255 (BASIC) |
| ● Critical Thinking, Problem Solving & Decision Making | 259 (BASIC) |
| ● Digital Citizenship | 280 (BASIC) |
| ● Technology Operations & Concepts | 281 (BASIC) |

After monitoring the Technology Literacy Assessment scores of our 8th graders over the last several years, the district has decided to begin assess all 5th graders technology skills at the end of the 2015-16 school year. By assessing all 5th graders, the district will be able to evaluate the technology skills of our elementary students and adjust

curriculum as needed in order to prepare our students for junior high school.

TI Grant

The Transformation through Innovation (TI) Grant was designed to offer teachers and campuses the opportunity to transform their classrooms through innovative uses of technology and facilitating model classrooms that serve as examples of how learning can be transformed with meaningful and relevant use of technology. Over the last three years, the number of grants submitted and awarded has grown. In 2013-2014, we awarded 12 grants, in 2014-2015, we awarded 28 grants, and in 2015-2016, we awarded 34. Between the three years of this process, we have awarded over 2 million dollars. It is exciting to see the innovative ideas that are taking place on our campuses from elementary to high school from this grant process, including: 1:1 Chromebooks in classrooms, Xbox Kinect/iPads to track cardiovascular endurance and complete research projects related to physical activity, iPads for collaboration activities, 3D printers and Doodle pens for collaboration between the library and the science team, and Chromebooks for an interactive learning environment revolving around gamification, digital notebooks, and Minecraft.

Winners of the 2015-2016 grant process were recently announced. The 32 campuses involved were excited to hear the news and find out what they will be receiving from the grant. The teachers and campuses receiving grants this year will participate in a TI Grant Showcase in May 2016 that will demonstrate all of the innovative ideas made possible through the awarding of these grants.

Memorandum

To: Cindy Powell
Chief Financial Officer

From: James Smith Jr.
Security Manager

Date: November 10, 2015

Subject: 2014 Bond Project Update – Security Department

Camera Upgrades

Security camera installations are on schedule. We continue to follow the timeline schedule established by the IT Department for cabling upgrades and installations. The only campus completed during this reporting period was Swift Elementary. There have not been any additional purchases of cameras or NVR equipment.

The goal of the security department is to provide 80 % camera coverage of the interior common areas of schools. This includes the entry-exit points, stairwells, cafeterias, gym, library, and the hallways. The loading docks and playgrounds will also be covered in the upgrades.

- Anticipated Cameras Upgrades – Depending upon campus layout
- Elementary campuses increase from 16 to 28-32 cameras
- Junior High campuses increase from 32 to 64-75 cameras
- High Schools campuses increase from 64 to 100-125 cameras

The security cameras are installed in a three stage process. First, the cabling needs to be installed for the camera system by the contractor or vendor. Next, the network switches are installed by the IT Department. The final step is the mounting, testing, and focusing of the camera systems, which ensures everything is properly working on the network. The following is an updated schedule for the camera upgrades under the 2014 bond program. All of the dates are subject to change or modification.

Phase 1	Network Install Date	Cable Install	Network Install	Camera Install	Status
SHHS	n/a	Completed	Completed	Completed	Job Completed
Duff	n/a	Completed	Completed	Completed	Job Completed
Little	n/a	Completed	Completed	Completed	Job Completed
Ditto	n/a	Completed	Completed	Completed	Job Completed
Ashworth	n/a	Completed	Completed	Completed	Job Completed
Moore	n/a	Completed	Completed	Completed	Job Completed
Amos	n/a	Completed	Completed	Completed	Job Completed
Swift	n/a	Completed	Completed	Completed	Job Completed
Sherrod	11/4/2015	Completed			
Short	11/10/2015	Completed			

Bebensee	11/17/2015	Completed			
Webb	12/1/2015	Completed			
Crouch	12/8/2015	Completed			
Foster	12/15/2015	Completed			
Williams	1/12/2016				
Wimbish	1/19/2016	Completed			
Remyse	1/26/2016				
TPHS	2/2/2016				
Burgin	2/9/2016	Completed			
Blanton	2/16/2016				
Amos	2/23/2016				
Atherton	3/1/2016	Completed			
TPJH	3/15/2016				
Morton	3/22/2016				
Crow	3/29/2016	Completed			

As a reminder, the following has been spent on the camera upgrades for the district.

PHASE NUMBER	NVR TOTAL PER PHASE	3Mpx DOME CAMERA TOTAL PER PHASE	1.3Mpx DOME CAMERA TOTAL PER PHASE	1.3Mpx MINI DOME CAMERA TOTAL PER PHASE	CAMERA COUNT TOTAL PER PHASE	NOTES
PHASE 1	47	239	301	333	873	Workman moved to Phase 2. 86 cameras were purchased for Workman out of Phase 1
PHASE 1.5	12	63	64	84	214	Additional buildings added to Phase 1
PHASE 2						Roquemore is in our Phase 1
PHASE 3						

TruVision NVR 21 Plus 16TB, 32 Camera Video Recorder	59	\$3,998.25	\$235,896.75
TruVision TVD-M3245E-2M-N 3 MP Exterior Dome Camera	302	\$497.91	\$150,368.82
TruVision TVD-M1245E-2M-N 1.3 MPx Exterior Dome Camera	365	\$406.71	\$148,449.15
TruVision TVD-M1210W-2-N 1.3 MP x mini dome Camera	417	\$147.53	\$ 61,520.01

313 cameras installed at \$100 per camera to install and focus = \$31,300

313 network drops (each camera has an individual IP address) \$150 per camera = \$46,950

TOTAL EXPENDITURES (NVR's, cameras, drops, and installation) = \$ 674,484.73

Installation of additional door access controls and security vestibules is being coordinated by Plant Services as part of the campus condition improvement projects.

TRANSPORTATION





TO: Cindy Powell
Chief Financial Officer

FROM: Tim Collins
Director of Transportation

DATE: November 9, 2015

RE: Vehicle purchase in year 2 of Bond (2015-2016)

2015-2016 Vehicle Purchase (Year 2 of Bond)

School Bus purchase for (23 buses)

- 13 – 71 passenger Diesel buses
- 6 – 71 passenger Propane buses
- 4 - 53 passenger Propane buses with lift

White fleet vehicle purchase (35 vehicles)

- 12 - Service Body Trucks HVAC, Electrical, General Maintenance, Plumbing
- 2 - Equinox Security
- 6 - Double cab pickup Security
- 1 - Promaster van w/lift Laundry
- 1 – Promaster van Plumbing
- 1 - Van w/HVAC pkg. HVAC
- 1 – Van Network Services
- 3 – Van w/lift Custodial
- 1 - 2500 pickup w/lift HVAC
- 1 - 2500 pickup Grounds
- 1 - Welding Truck General Maintenance
- 5 - Surburbans Transportation

FACILITIES



11/4/2015

Bond 2014 - Current Contract Awards

Project	Procurement Method	Construction Budget	Contract Amount	Surplus/ (Deficit)
Ferguson/Ousley JHSs	CMR	\$5,354,650	\$5,242,977	\$111,673
McNutt ES	CSP	\$21,167,000	\$19,816,000	\$1,351,000
Peach ES	CMR		\$22,146,969	
Less B&G Club Participation			<u>\$1,117,533</u>	
AISD		\$21,167,000	\$21,029,436	\$137,564
Workman JHS	CMR	\$10,166,919	\$11,076,354	(\$909,435)
Career Tech Center (Partial GMP) Demolition of Hucheson JHS	CMR	\$39,221,336	\$806,515	N/A
Lamar Baseball-Lighting and Bleachers	Interlocal	\$463,881	\$361,616	\$102,265
Multi-Purpose Activity Centers (6)	CMR	\$51,231,697	\$58,676,555	(\$7,444,858)
Corey Academy	CMR	\$7,300,897	\$7,291,615	\$9,282
Net Surplus/(Deficit)				(\$6,642,509)

N/A: This work is within the preliminary estimates received and until the remaining GMP is approved, surplus/deficit cannot be determined.



MEMORANDUM

TO: Cindy Powell, Chief Financial Officer
FROM: Bob Carlisle, Executive Director of Plant Services
DATE: September 9, 2015
SUBJECT: Guaranteed Maximum Price for Construction of Multipurpose Activity Centers (MACs) at Arlington, Bowie, Lamar, Martin, Sam Houston and Seguin High Schools

Balfour Beatty Construction has presented the Guaranteed Maximum Price (GMP) for the referenced project in the amount of \$58,676,555. The construction team of Balfour Beatty, AISD Plant Services staff and Huckabee Architects have reviewed and analyzed all pricing and determined the GMP represents a good value for the District.

The GMP exceeds the original budget of \$51,231,697 by \$7,444,858. The construction team has completed an analysis of the GMP to determine why the GMP is over the construction budget. The major contributing items are listed below:

1. Weight Room square footage was increased from approximately 5,000 square feet to approximately 7,500 square feet. The additional square footage was discussed with the Board Construction Committee during the schematic design phase. The larger weight room was recommended to ensure the MACs had capacity to serve our long-term program needs. The additional square footage for the weight rooms increases the overall project cost by an estimated \$2,600,000.
2. The City of Arlington adopted a Unified Development Code in July of 2014. This code adds required exterior design enhancement (use of masonry veneer in lieu of metal panels). The impact of the new design standards on this project is estimated to be \$710,000.
3. Several unforeseen site and civil engineering issues, including water/sewer connections, storm drainage requirements and natural gas connections have added cost to the project. The locations selected for the MACs resulted in additional access drives, fire lanes and retaining walls. The costs vary at each campus based on the unique circumstances of the campus. This increase in cost is estimated to be \$1,500,000.
4. After geotechnical investigation, ground water and unstable soil conditions were discovered. The presence of ground water necessitates the casing of all piers.

Unstable soil conditions necessitate added pier depth and foundation design enhancements. The additional cost related to foundations is estimated at \$1,600,000.

Recap of Factors Contributing to the Project Overage:

Weight Room Size Increase	\$ 2,600,000
City Code Design Enhancements	710,000
Site/Civil Engineering Increase	1,500,000
Foundation	<u>1,600,000</u>
Total	\$ 6,410,000

Recap of GMP versus Construction Budget:

GMP	\$58,676,555
Construction Budget	<u>51,231,697</u>
Difference (Deficit)	\$ 7,444,858

The factors detailed above, and related cost estimates, were reviewed with the Board Finance Committee before Balfour-Beatty requested bids for sub-contractor work and supplies for the MACs.

Opportunities for value engineering have been taken where possible.

It is my recommendation to approve the Guaranteed Maximum Price of \$58,676,555 submitted by Balfour Beatty Construction.

Project Description	Construction Start	Substantial Completion	Budget	
PHASE 3			\$	80,515,173
Phase 3 Bid Package 01	Mar-17	Feb-18	\$	2,420,472
1) Butler ES			\$	2,420,472
Phase 3 Bid Package 02	Mar-17	Feb-18	\$	3,116,015
1) Dunn ES			\$	3,116,015
Phase 3 Bid Package 03	Mar-17	Feb-18	\$	5,090,830
1) Hill ES			\$	2,390,569
2) Swift ES			\$	2,700,261
Phase 3 Bid Package 04	Mar-17	Feb-18	\$	8,461,778
1) Amos ES			\$	2,062,625
2) Atherton ES			\$	4,241,498
3) Goodman ES			\$	2,157,655
Phase 3 Bid Package 05	Mar-17	Feb-18	\$	10,224,328
1) Gunn Junior High School			\$	4,210,964
2) Key ES			\$	2,761,484
3) Short ES			\$	3,251,880
Phase 3 Bid Package 06	Mar-17	Feb-18	\$	12,448,666
1) Seguin High School			\$	12,448,666
Phase 3 Bid Package 07	Mar-17	Mar-18	\$	12,647,638
1) Berry ES			\$	4,067,509
2) Johns ES			\$	1,802,423
3) Rankin ES			\$	3,529,287
4) Roark ES			\$	3,248,419
Phase 3 Bid Package 08	Mar-17	Mar-18	\$	19,605,411
1) Pope ES			\$	2,624,746
2) Speer ES			\$	2,992,774
3) Webb ES			\$	9,052,774
4) Wimbish ES			\$	4,935,117
Phase 3 Bid Package 09	Dec-16	Jul-17	\$	6,500,035
1) Junior High School Track and Lighting			\$	6,500,035

CONSTRUCTION REPORTS

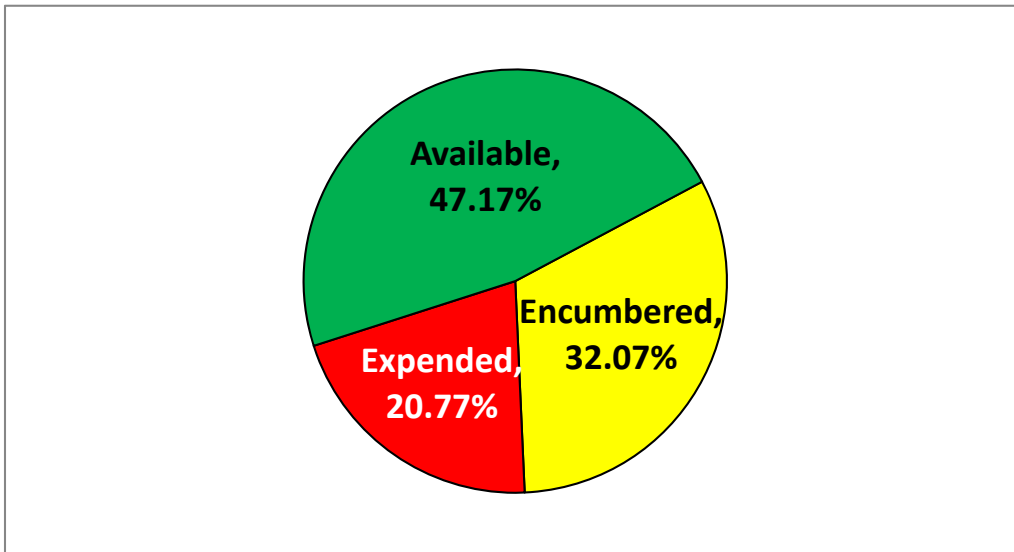


Arlington Independent School District
Bond Fund 640 Project Status Report
For the Period Ending October 30, 2015

Funds available from:

Net proceeds from sale of bonds	\$ 177,704,411.00
Interest through 10/30/15	228,455.08
Total Funds	<u>\$ 177,932,866.08</u>

Total Funds	\$ 177,932,866.08
Encumbered	(57,056,896.58)
Expended	(36,951,067.13)
Available Funds	<u><u>83,924,902.37</u></u>

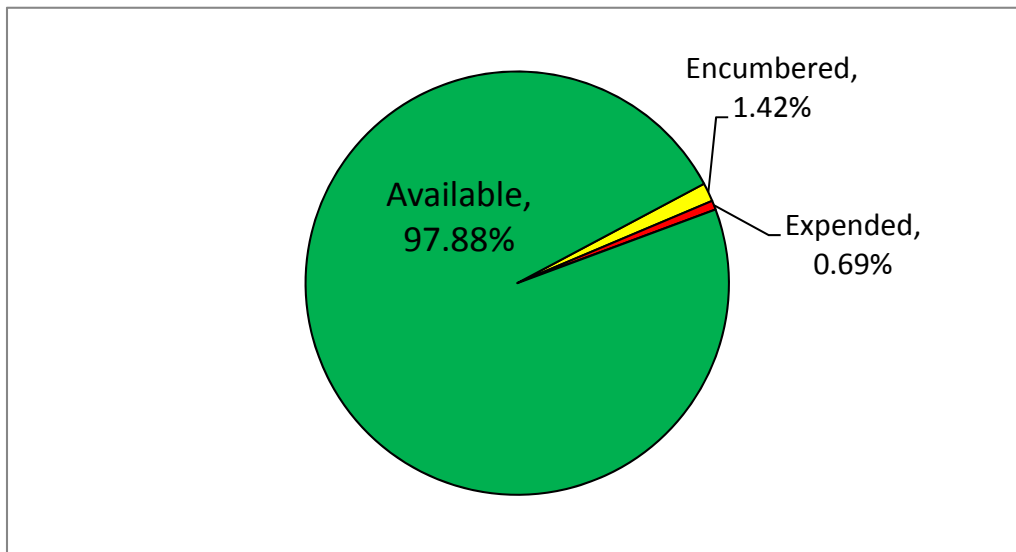


Arlington Independent School District
Bond Fund 641 Project Status Report
For the Period Ending October 30, 2015

Funds available from:

Net proceeds from sale of bonds	\$ 234,918,654.42
Interest through 10/30/15	60,800.42
Total Funds	<u>\$ 234,979,454.84</u>

Total Funds	\$ 234,979,454.84
Encumbered	(3,346,237.34)
Expended	<u>(1,632,941.53)</u>
Available Funds	<u><u>230,000,275.97</u></u>



Arlington Independent School District
2014 Bond Project Status Report - All Projects
For the Period Ending October 30, 2015

<u>School Name</u>	<u>Project Description</u>	<u>Total</u>			
		<u>Budget</u>	<u>Encumbrance</u>	<u>Expenditures</u>	<u>Balance</u>
Administration Building	Condition deficiencies/Life cycle replacements	\$ 509,048.00	\$ -	\$ 41,147.00	\$ 467,901.00
Agricultural Science Facility	Agricultural Science Facility	2,500,000.00	116,385.00	-	2,383,615.00
Amos ES	Condition deficiencies/Life cycle replacements	2,040,568.00	-	-	2,040,568.00
Anderson ES	Condition deficiencies/Life cycle replacements	1,103,313.00	1,000.00	-	1,102,313.00
Annex I	Condition deficiencies/Life cycle replacements	418,798.00	-	-	418,798.00
Annex II	Condition deficiencies/Life cycle replacements	691,840.00	-	-	691,840.00
Annex III	Condition deficiencies/Life cycle replacements	394,821.00	-	-	394,821.00
Annex IV	Condition deficiencies/Life cycle replacements	505,031.00	-	-	505,031.00
Arlington HS	Condition deficiencies/Life cycle replacements	11,884,220.00	645,452.56	62,319.52	11,176,447.92
Arlington HS	Multi-purpose Activity Center	10,000,000.00	2,500.00	417,864.98	9,579,635.02
Ashworth ES	Condition deficiencies/Life cycle replacements	2,606,008.00	1,000.00	-	2,605,008.00
Atherton ES	Condition deficiencies/Life cycle replacements	4,219,440.00	-	-	4,219,440.00
Athletic Complex	Athletic Complex	25,000,000.00	-	-	25,000,000.00
Athletic Complex	Land	2,500,000.00	-	-	2,500,000.00
Auxiliary Personnel	Condition deficiencies/Life cycle replacements	182,568.00	-	-	182,568.00
Bailey JH	Condition deficiencies/Life cycle replacements	4,012,369.00	106,257.00	-	3,906,112.00
Barnett JH	Condition deficiencies/Life cycle replacements	3,377,193.00	-	-	3,377,193.00
Bebensee ES	Condition deficiencies/Life cycle replacements	5,422,450.00	294,568.33	55,997.35	5,071,884.32
Beckham ES	Condition deficiencies/Life cycle replacements	961,067.00	1,000.00	-	960,067.00
Berry ES	Condition deficiencies/Life cycle replacements	4,045,450.00	-	-	4,045,450.00
Blanton ES	Condition deficiencies/Life cycle replacements	3,889,823.00	1,000.00	-	3,888,823.00
Boles JH	Condition deficiencies/Life cycle replacements	2,580,186.00	-	-	2,580,186.00
Boles JH	Special Ed Alt Curriculum Center	6,500,000.00	2,500.00	28,079.45	6,469,420.55
Bowie HS	Condition deficiencies/Life cycle replacements	10,490,767.00	-	-	10,490,767.00
Bowie HS	Multi-purpose Activity Center	10,000,000.00	2,500.00	400,322.40	9,597,177.60
Bryant ES	Condition deficiencies/Life cycle replacements	2,774,728.00	1,000.00	-	2,773,728.00
Burgin ES	Condition deficiencies/Life cycle replacements	1,778,363.00	1,000.00	-	1,777,363.00
Butler ES	Condition deficiencies/Life cycle replacements	2,398,415.00	-	-	2,398,415.00
Career & Technical Ctr	New Career and Technical Center	46,253,500.00	2,250,986.05	1,938,403.23	42,064,110.72
Carter JH	Condition deficiencies/Life cycle replacements	6,219,503.00	-	-	6,219,503.00
Corey ES	Condition deficiencies/Life cycle replacements	1,974,917.00	2,500.00	5,730.00	1,966,687.00
Corey ES	Repurpose for Fine Arts/Dual Lang Academy	7,000,000.00	17,562.12	319,606.62	6,662,831.26
Crouch ES	Condition deficiencies/Life cycle replacements	3,490,621.00	205,195.74	9,551.11	3,275,874.15
Crow ES	Condition deficiencies/Life cycle replacements	2,198,004.00	1,000.00	-	2,197,004.00
Ditto ES	Condition deficiencies/Life cycle replacements	2,508,497.00	1,000.00	-	2,507,497.00
Duff ES	Condition deficiencies/Life cycle replacements	2,967,033.00	189,239.79	37,527.59	2,740,265.62
Dunn ES	Condition deficiencies/Life cycle replacements	3,093,955.00	25,524.21	-	3,068,430.79
Ellis ES	Condition deficiencies/Life cycle replacements	2,356,903.00	165,415.10	19,378.37	2,172,109.53
Farrell ES	Condition deficiencies/Life cycle replacements	2,723,306.00	205,816.55	12,431.07	2,505,058.38
Ferguson JH	Condition deficiencies/Life cycle replacements	2,722,889.00	78,047.57	1,227,175.30	1,417,666.13
Fine Arts Center	Fine Arts Center	32,000,000.00	-	-	32,000,000.00
Fine Arts Center	Land	2,500,000.00	-	-	2,500,000.00
Fitzgerald ES	Condition deficiencies/Life cycle replacements	5,260,818.00	285,362.66	55,408.12	4,920,047.22

Arlington Independent School District
2014 Bond Project Status Report - All Projects
For the Period Ending October 30, 2015

<u>School Name</u>	<u>Project Description</u>	<u>Total</u>			
		<u>Budget</u>	<u>Encumbrance</u>	<u>Expenditures</u>	<u>Balance</u>
Food Lion	Condition deficiencies/Life cycle replacements	734,595.00	-	-	734,595.00
Food Svc Whse (Grn Oaks)	Condition deficiencies/Life cycle replacements	409,539.00	-	-	409,539.00
Food Svc Whse (Arkansas)	Condition deficiencies/Life cycle replacements	1,912,230.00	-	-	1,912,230.00
Foster ES	Condition deficiencies/Life cycle replacements	4,807,179.00	293,697.32	-	4,513,481.68
Goodman ES	Condition deficiencies/Life cycle replacements	3,407,763.00	-	-	3,407,763.00
Gunn JH	Condition deficiencies/Life cycle replacements	5,071,115.00	-	-	5,071,115.00
Hale ES	Condition deficiencies/Life cycle replacements	2,050,103.00	1,000.00	-	2,049,103.00
Hill ES	Condition deficiencies/Life cycle replacements	2,368,503.00	-	16,570.00	2,351,933.00
Hilldale Center	Condition deficiencies/Life cycle replacements	310,274.00	-	-	310,274.00
Johns ES	Condition deficiencies/Life cycle replacements	2,897,843.00	-	-	2,897,843.00
Key ES	Condition deficiencies/Life cycle replacements	2,779,424.00	-	-	2,779,424.00
Knox ES	Condition deficiencies/Life cycle replacements	5,772,537.00	337,257.07	15,773.89	5,419,506.04
Kookon Ed Ctr	Condition deficiencies/Life cycle replacements	2,506,102.00	1,000.00	-	2,505,102.00
Lamar HS	Baseball field improvement	463,881.00	92,249.35	270,966.65	100,665.00
Lamar HS	Condition deficiencies/Life cycle replacements	14,896,409.00	-	-	14,896,409.00
Lamar HS	Multi-purpose Activity Center	10,000,000.00	2,500.00	402,385.08	9,595,114.92
Larson ES	Condition deficiencies/Life cycle replacements	2,580,618.00	1,000.00	210,563.22	2,369,054.78
Little ES	Condition deficiencies/Life cycle replacements	2,539,179.00	138,126.71	22,792.69	2,378,259.60
Maintenance Service Ctr	Condition deficiencies/Life cycle replacements	1,959,037.00	-	-	1,959,037.00
Martin HS	Condition deficiencies/Life cycle replacements	17,256,164.00	918,889.58	133,194.46	16,204,079.96
Martin HS	Multi-purpose Activity Center	10,000,000.00	2,500.00	408,764.72	9,588,735.28
Miller ES	Condition deficiencies/Life cycle replacements	3,593,599.00	187,643.41	37,184.78	3,368,770.81
Moore ES	Condition deficiencies/Life cycle replacements	2,980,321.00	182,989.67	-	2,797,331.33
Morton ES	Condition deficiencies/Life cycle replacements	5,130,853.00	268,504.88	85,812.79	4,776,535.33
New ES at Baird Farm	New Elementary School	24,000,000.00	21,290,713.00	2,130,762.99	578,524.01
New ES at Workman	New Elementary School	24,000,000.00	19,219,977.25	1,652,570.07	3,127,452.68
Nichols JH	Condition deficiencies/Life cycle replacements	6,552,586.00	394,730.00	53,606.71	6,104,249.29
Ousley JH	Condition deficiencies/Life cycle replacements	4,537,226.00	1,634,595.08	2,688,361.32	214,269.60
Pearcy ES	Condition deficiencies/Life cycle replacements	1,059,412.00	1,000.00	-	1,058,412.00
Pope ES	Condition deficiencies/Life cycle replacements	2,602,688.00	-	-	2,602,688.00
Prof Dev Center	Condition deficiencies/Life cycle replacements	742,220.00	47,060.19	18,497.24	676,662.57
Rankin ES	Condition deficiencies/Life cycle replacements	3,507,229.00	-	-	3,507,229.00
Remynse ES	Condition deficiencies/Life cycle replacements	1,523,346.00	1,000.00	-	1,522,346.00
Roark ES	Condition deficiencies/Life cycle replacements	3,226,361.00	-	-	3,226,361.00
Roquemore ES	Condition deficiencies/Life cycle replacements	4,078,413.00	131,188.00	4,910.00	3,942,315.00
Roquemore ES	Repurpose for Fine Arts/Dual Lang Academy	7,000,000.00	7,387.72	422,956.53	6,569,655.75
Sam Houston HS	Condition deficiencies/Life cycle replacements	14,350,967.00	806,498.20	126,960.04	13,417,508.76
Sam Houston HS	Multi-purpose Activity Center	10,000,000.00	2,500.00	408,560.82	9,588,939.18
Seguin HS	Condition deficiencies/Life cycle replacements	5,948,666.00	-	-	5,948,666.00
Seguin HS	Multi-purpose Activity Center	10,000,000.00	2,500.00	402,765.09	9,594,734.91
Seguin HS	Special Ed Alt Curriculum Center	6,500,000.00	-	-	6,500,000.00
Shackelford JH	Condition deficiencies/Life cycle replacements	2,553,279.00	-	-	2,553,279.00
Sherrod ES	Condition deficiencies/Life cycle replacements	4,954,358.00	301,571.20	40,628.17	4,612,158.63

Arlington Independent School District
2014 Bond Project Status Report - All Projects
For the Period Ending October 30, 2015

<u>School Name</u>	<u>Project Description</u>	<u>Total</u>			
		<u>Budget</u>	<u>Encumbrance</u>	<u>Expenditures</u>	<u>Balance</u>
Short ES	Condition deficiencies/Life cycle replacements	3,229,818.00	-	-	3,229,818.00
South Davis ES	Condition deficiencies/Life cycle replacements	4,700,130.00	254,516.80	24,842.25	4,420,770.95
Speer ES	Condition deficiencies/Life cycle replacements	2,970,716.00	-	-	2,970,716.00
Starrett ES	Condition deficiencies/Life cycle replacements	2,727,587.00	206,056.47	12,450.52	2,509,080.01
Swift ES	Condition deficiencies/Life cycle replacements	2,678,199.00	-	-	2,678,199.00
Thornton ES	Condition deficiencies/Life cycle replacements	5,131,031.00	300,131.07	14,024.50	4,816,875.43
Transportation	Condition deficiencies/Life cycle replacements	1,274,648.00	-	-	1,274,648.00
Turning Point HS	Condition deficiencies/Life cycle replacements	1,196,537.00	-	-	1,196,537.00
Turning Point JH	Condition deficiencies/Life cycle replacements	2,276,602.00	170,587.10	18,624.86	2,087,390.04
Venture HS	Condition deficiencies/Life cycle replacements	1,429,141.00	-	-	1,429,141.00
Webb ES	Condition deficiencies/Life cycle replacements	9,030,714.00	-	-	9,030,714.00
West ES	Condition deficiencies/Life cycle replacements	1,994,790.00	1,000.00	-	1,993,790.00
Williams ES	Condition deficiencies/Life cycle replacements	2,582,718.00	147,413.73	31,064.19	2,404,240.08
Wimbish ES	Condition deficiencies/Life cycle replacements	4,913,058.00	-	-	4,913,058.00
Wood ES	Condition deficiencies/Life cycle replacements	2,330,921.00	143,635.03	-	2,187,285.97
Workman JH	Classroom Addition/Softball Complex	-	-	-	-
	Condition deficiencies/Life cycle replacements/ Classroom Addition/Softball Complex	11,872,405.00	198,246.49	1,512,092.43	10,162,066.08
Young JH	Condition deficiencies/Life cycle replacements	2,428,881.00	-	-	2,428,881.00
Fine Arts		9,828,738.00	838,192.50	964,030.71	8,026,514.79
Technology		82,633,000.00	4,003,080.87	13,808,427.64	64,821,491.49
Transportation		18,279,213.00	3,268,382.55	5,022,622.30	9,988,208.15
Contingency for Project Acceleration		-	-	-	-
Total		<u>\$ 663,129,278.00</u>	<u>\$ 60,403,133.92</u>	<u>\$ 35,593,708.77</u>	<u>\$ 567,132,435.31</u>
Bond Issuance Costs					(2,990,299.89)
Interest and Additional Proceeds					<u>3,337,320.92</u>
Total Available Funds					<u>\$ 567,479,456.34</u>

PROGRESS REPORTS



Project Description

Scope includes, site accessibility upgrades, LED exterior light replacement, grading of the site adjacent to the building to produce positive drainage, restroom and locker room accessibility upgrades, drinking fountains replacement, stage curtain replacement additional card access controls, replacement of twenty (20) HVAC rooftop units (RTU), additional electrical outlets MDF/IDF fiber replacement, and roof repairs.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Life Cycle and Deficiencies
Gross and Program Square Feet:	125,427
Phase:	Close Out
Architecture Firm:	Harrison Kornberg
Construction Firm:	Pogue Construction

Project Funding

Total Project Budget:	\$2,017,858
Total Construction Budget:	\$1,549,629
Board Approved GMP Pricing:	\$1,230,627

Project Schedule

Board GMP Approval	06/09/2015
Issue NTP – Construction	06/15/2015
Achieve Substantial Completion	10/30/2015

Project Description

Scope includes, site accessibility upgrades, relocation of competition and practice fields to accommodate a new 4 lane track, sports lighting, exterior lighting upgrade, restroom and locker room accessibility upgrades, drinking fountains replacement, stage curtain replacement additional card access controls, replacement of twenty (13) HVAC rooftop units (RTU), complete HVAC controls upgrade, additional electrical outlets MDF/IDF fiber replacement and entire roof replacement where the roof has reached its useful life. **Added Scope:** Renovation of existing classrooms and administration areas is being done to accommodate for new students and faculty from Ferguson Junior High.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Life Cycle and Deficiencies
Gross and Program Square Feet:	136,684
Phase:	Construction
Architecture Firm:	Harrison Kornberg
Construction Firm:	Pogue Construction

Project Funding

Total Project Budget:	\$4,537,226
Total Construction Budget:	\$3,666,078
Board Approved GMP Pricing:	\$4,012,350

Project Schedule

Board GMP Approval	06/09/2015
Issue NTP – Construction	06/15/2015
Achieve Substantial Completion	11/12/2015

Project Description

Project includes approximately 30,670 sf of new construction consisting of a two story 16 classroom addition and a new “front door” and secured entry vestibule; renovating 2,120 sf of the existing building (a ground floor administration suite and second floor corridors connecting the existing building to the new addition); addressing building deficiencies identified by the Facility Assessment Report and a new parking lot.

Added Scope:

Expanded dining room and new kitchen hood to open fall 2015.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Addition/Renovation
Gross and Program Square Feet:	34,634 GSF
Phase:	Construction
Architecture Firm:	Brown Reynolds Watford
Construction Firm:	Pogue Construction

Project Funding

Total Project Budget:	\$11,826,507
Total Construction Budget:	\$9,161,033
Board Approved GMP Pricing:	11,076,354

Project Schedule

Dining Renovation

Board GMP Approval	05/21/2015
Issue NTP – Construction	06/05/2015
Achieve Substantial Completion	08/07/2015

Addition/Renovation

Board GMP Approval	09/03/2015
Issue NTP – Construction	09/10/2015
Achieve Substantial Completion	07/21/2016

Project Description

Facility will receive comprehensive renovations to the interior of the building, a new main entry, and exterior improvements for site based deficiencies. The open core of the building will house the extended learning areas allowing learning to happen anywhere and with varying sizes of groups. A portion of the existing buildings classroom wing is being converted to a core of fine arts with dance, strings and music. The existing computer labs and music spaces are being converted into a little theater with control room, storage, and dressing areas. The admin area is being renovated to include a secure vestibule.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Renovation
Gross and Program Square Feet:	71,400
Phase:	Procurement
Architecture Firm:	Stantec
Construction Firm:	Pogue Construction

Project Funding

Total Project Budget:	\$10,725,471
Total Construction Budget:	\$8,511,480
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	11/19/2015
Issue NTP – Construction	11/25/2015
Achieve Substantial Completion	07/29/2016

Project Description

Boles Junior High will receive a new Special Education Suite. The Special Education suite will have 4 - SPED Classrooms, Mock Apartment (ADL Room), Motor Lab, ISPD Classroom, PAES/Prevoc room, ABLE room, Conference room. The addition of the new suite will require the relocation of existing classrooms. The school is near capacity, resulting in an addition to the existing school to accommodate the relocation of existing classrooms.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Renovation / Addition
Gross and Program Square Feet:	16,100 SF
Phase:	Design Development
Architecture Firm:	Stantec
Construction Firm:	Pogue Construction

Project Funding

Total Project Budget:	\$6,500,000
Total Construction Budget:	\$5,108,350
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	03/03/2016
Issue NTP – Construction	03/10/2016
Achieve Substantial Completion	08/22/2016

Project Description

Facility will receive comprehensive renovations to the interior of the building, a new main entry, and exterior improvements for site based deficiencies. The open core of the building will house the extended learning areas allowing learning to happen anywhere and with varying sizes of groups. A portion of the existing buildings classroom wing is being converted to a core of fine arts with dance, strings and music. The existing computer labs and music spaces are being converted into a little theater with control room, storage, and dressing areas. The admin area is being renovated to include a secure vestibule. Most of the campus will see some replacement of existing finishes.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Renovation
Gross and Program Square Feet:	109,200
Phase:	Construction
Architecture Firm:	Stantec
Construction Firm:	Pogue Construction

Project Funding

Total Project Budget:	\$8,621,977
Total Construction Budget:	\$6,811,857
Board Approved GMP Pricing:	\$7,291,615

Project Schedule

Board GMP Approval	10/22/2015
Issue NTP – Construction	10/25/2015
Achieve Substantial Completion	07/29/2016

Project Description

The proposed new building is approximately 122,000 GSF two story building, located on 9.6 acres, designed to serve grades Pre-K through 6th grade with a total core support capacity of 900 students. The facility will include: 46 (forty-six) core classrooms, 2 (two) science classrooms, 1 (one) Art Classroom, Outdoor Learning Terrace, 2 (two) Music Classrooms, Student Collaboration Spaces (1 per grade), student toilet rooms (1 per gender per grade), staff toilet rooms, storage rooms, Cafetorium, Media Center, Food Preparation and Serving areas, Gym, Administration Offices and all required MEP support spaces. In addition, the facility will house a 7,000 GSF Boys and Girls Club located within the first floor. The facility is scheduled to open in August 2016.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager at Risk
Project Type:	New Construction
Gross and Program Square Feet:	122,000 (7,000 Boys and Girls Club)
Phase:	Construction
Architecture Firm:	Perkins+Will
Construction Firm:	Balfour Beatty Construction

Project Funding

Total Project Budget:	\$23,999,462
Total Construction Budget:	\$21,161,747
Board Approved GMP Pricing:	\$22,146,969 (Includes \$1,117,533 for Boys and Girls Club of Arlington space)

Project Schedule

Board GMP Approval	06/25/2015
Issue NTP – Construction	07/06/2015
Achieve Substantial Completion	06/08/2016

Project Description

The proposed new building is approximately 112, 000 GSF two story building, located on existing fields north of Workman Junior High School, designed to serve grades Pre-K through 6th grade with a total core support capacity of 900 students. The building is orientated on a north and south axis to provide plenty day lighting into the classrooms with the main entrance and Media Center facing west to Center Street. The public spaces including the Media Center with and adjacent Learning Stair, Cafeteria and Gymnasium are on the south side of the building, and the two story volume classrooms blocks are to the north. Each classroom block is separated by grade level and includes a collaboration space with an adjacent faculty workroom. The Music and Strings rooms are located to the south of the campus, across from the Gymnasium with nearby access to the cafeteria platform.



Project Information

Project Status:	Active
Project Delivery Method:	Competitive Sealed Proposal
Project Type:	New Construction
Gross and Program Square Feet:	112,000
Phase:	Construction
Architecture Firm:	Corgan
Construction Firm:	Balfour Beatty Construction

Project Funding

Total Project Budget:	\$23,999,462
Total Construction Budget:	\$21,161,747
Board Approved CSP Pricing:	\$19,816,000

Project Schedule

Board GMP Approval	06/25/2015
Issue NTP – Construction	07/20/2015
Achieve Substantial Completion	07/01/2016

Project Description

A new “state of the art” ground up two story building of approximately 170,000 square feet housing career tech programs on the existing Hutcheson Junior High site which will serve all high school students in the district. The building design will be a signature building for the district and be designed to be flexible to change as the course offerings change. A new Data Center serving the entire district will also be located within this building and will be designed with redundant utilities, reinforced building shell and appropriate air conditioning for the equipment housed. Some of the programs being offered in this facility include: Culinary Arts; Broadcast; Cosmetology; CNC; Welding; Fire Academy; Law Enforcement; Health Sciences; Automotive; Construction; Architecture; Engineering; Business; Student Store and Graphic Design.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	New Construction
Gross and Program Square Feet:	170,000
Phase:	Construction Documents
Architecture Firm:	VLK
Construction Firm:	Balfour Beatty Construction

Project Funding

Total Project Budget:	\$46,000,717
Total Construction Budget:	\$39,221,336
Board Approved GMP Pricing:	

Project Schedule

Hutcheson JHS Demolition

Board GMP Approval	06/18/2015
Issue NTP – Construction	06/19/2015
Achieve Substantial Completion	01/08/2016

New Construction

Board GMP Approval	01/28/2016
Issue NTP – Construction	02/01/2016
Achieve Substantial Completion	07/30/2017

Project Description

A new ground up building of approximately 77,683 square feet will be constructed at six comprehensive high school campuses and serve the football teams: boys and girls outdoor sports teams; band; cheerleading; drill team, etc. The building will house a 60 yard synthetic turf field; boys and girls locker rooms; varsity, junior varsity and ninth grade football locker rooms; coach's offices overlooking the field below; film deck; training room; storage rooms; meeting rooms; and a 7,500 square foot weight room.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	New Construction
Gross and Program Square Feet:	77,704
Phase:	Construction
Architecture Firm:	Huckabee
Construction Firm:	Balfour Beatty Construction

Project Funding

Total Project Budget:	\$60,000,000
Total Construction Budget:	\$51,231,697
Board Approved GMP Pricing:	\$58,676,555

Project Schedule

Board GMP Approval	09/17/2015
Issue NTP – Construction	09/25/2015
Achieve Substantial Completion	06/30/2016

Project Description

Project consist of deficiency repairs including; site, roof, structural, Interior and mechanical deficiencies. Mechanical needs to include addressing existing controls, and adding additional cooling to MDF room.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Life Cycle and Deficiencies
Gross and Program Square Feet:	31,600
Phase:	Design Development
Architecture Firm:	KAI Architects
Construction Firm:	Pogue Construction

Project Funding

Total Project Budget:	\$924,954
Total Construction Budget:	\$747,362
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	02/04/2016
Issue NTP – Construction	02/09/2016
Achieve Substantial Completion	7/01/2016

Project Description

The project main objective is to correct the deficiencies and to renovate items to improve the health and the life of the building. Project include the renovation of different components such as Mechanical, Roofing, Electrical, Plumbing, and Exterior.

Scope also include the addition or renovation of two science labs and one string room.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Addition/Renovation
Gross and Program Square Feet:	Approx. 75308 SF
Phase:	Construction Document
Architecture Firm:	LBL Architects
Construction Firm:	Balfour Beatty

Project Funding

Total Project Budget:	\$2,989,090
Total Construction Budget:	\$2,406,897
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	03/03/2016
Issue NTP – Construction	03/15/2016
Achieve Substantial Completion	01/15/2017

Project Description

Anderson Elementary will receive a Security Vestibule, Two STEM labs, and a Strings room



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Renovation
Gross and Program Square Feet:	3,800 SF
Phase:	Schematic Design
Architecture Firm:	Hahnfeld Hoffer Stanford
Construction Firm:	W.B. Kibler Construction

Project Funding

Total Project Budget:	\$425,018
Total Construction Budget:	\$335,127
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/11/2016
Achieve Substantial Completion	01/31/2017

Project Description

Ashworth Elementary will receive a Security Vestibule, Two STEM labs, and a Strings room.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Renovation
Gross and Program Square Feet:	3,800 SF
Phase:	Schematic Design
Architecture Firm:	Hahnfeld Hoffer Stanford
Construction Firm:	W.B. Kibler Construction

Project Funding

Total Project Budget:	\$425,018
Total Construction Budget:	\$335,127
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/11/2016
Achieve Substantial Completion	01/31/2017

Project Description

Beckham Elementary will receive a Security Vestibule, Two STEM labs, and a Strings room



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Renovation
Gross and Program Square Feet:	3,800 SF
Phase:	Schematic Design
Architecture Firm:	Hahnfeld Hoffer Stanford
Construction Firm:	W.B. Kibler Construction

Project Funding

Total Project Budget:	\$425,002
Total Construction Budget:	\$335,114
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/11/2016
Achieve Substantial Completion	01/31/2017

Project Description

Blanton Elementary will receive a Security Vestibule, Two STEM labs, and a Strings room.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Renovation
Gross and Program Square Feet:	3,800 SF
Phase:	Schematic Design
Architecture Firm:	Hahnfeld Hoffer Stanford
Construction Firm:	W.B. Kibler Construction

Project Funding

Total Project Budget:	\$525,006
Total Construction Budget:	\$415,918
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/11/2016
Achieve Substantial Completion	01/31/2017

Project Description

Bryant Elementary will receive a Security Vestibule, Two STEM labs, and a Strings room.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Renovation
Gross and Program Square Feet:	3,800 SF
Phase:	Schematic Design
Architecture Firm:	Hahnfeld Hoffer Stanford
Construction Firm:	W.B. Kibler Construction

Project Funding

Total Project Budget:	\$425,002
Total Construction Budget:	\$335,114
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/11/2016
Achieve Substantial Completion	01/31/2017

Project Description

Burgin Elementary will receive a Security Vestibule, Two STEM labs, and a Strings room.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Renovation
Gross and Program Square Feet:	3,800 SF
Phase:	Schematic Design
Architecture Firm:	Hahnfeld Hoffer Stanford
Construction Firm:	W.B. Kibler Construction

Project Funding

Total Project Budget:	\$425,002
Total Construction Budget:	\$335,114
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/11/2016
Achieve Substantial Completion	01/31/2017

Project Description

Crow Elementary will receive a Security Vestibule, Two STEM labs, and a Strings room.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Renovation
Gross and Program Square Feet:	3,800 SF
Phase:	Schematic Design
Architecture Firm:	Hahnfeld Hoffer Stanford
Construction Firm:	W.B. Kibler Construction

Project Funding

Total Project Budget:	\$425,002
Total Construction Budget:	\$335,114
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/11/2016
Achieve Substantial Completion	01/31/2017

Phase 2 Bid Package 2
Project No. 9

Ditto Elementary School
Individual Project Summary

Project Description

Ditto Elementary will receive Two STEM labs and a Strings room.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Renovation
Gross and Program Square Feet:	3,600 SF
Phase:	Schematic Design
Architecture Firm:	Hahnfeld Hoffer Stanford
Construction Firm:	W.B. Kibler Construction

Project Funding

Total Project Budget:	\$375,000
Total Construction Budget:	\$294,712
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/11/2016
Achieve Substantial Completion	01/31/2017

Project Description

Hale Elementary will receive a Security Vestibule, Two STEM labs, and a Strings room.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Renovation
Gross and Program Square Feet:	3,800 SF
Phase:	Schematic Design
Architecture Firm:	Hahnfeld Hoffer Stanford
Construction Firm:	W.B. Kibler Construction

Project Funding

Total Project Budget:	\$425,002
Total Construction Budget:	\$335,114
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/11/2016
Achieve Substantial Completion	01/31/2017

Project Description

Kooken Elementary will receive a Security Vestibule.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Renovation
Gross and Program Square Feet:	300 SF
Phase:	Schematic Design
Architecture Firm:	Hahnfeld Hoffer Stanford
Construction Firm:	W.B. Kibler Construction

Project Funding

Total Project Budget:	\$200,009
Total Construction Budget:	\$161,607
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/11/2016
Achieve Substantial Completion	01/31/2017

Phase 2 Bid Package 2
Project No. 9

Larson Elementary School
Individual Project Summary

Project Description

Larson Elementary will receive a Security Vestibule, Two STEM labs, and a Strings room.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Renovation
Gross and Program Square Feet:	3,800 SF
Phase:	Schematic Design
Architecture Firm:	Hahnfeld Hoffer Stanford
Construction Firm:	W.B. Kibler Construction

Project Funding

Total Project Budget:	\$425,002
Total Construction Budget:	\$335,114
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/11/2016
Achieve Substantial Completion	01/31/2017

Project Description

Pearcy Elementary will receive a Security Vestibule, Two STEM labs, and a Strings room.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Renovation
Gross and Program Square Feet:	3,800 SF
Phase:	Schematic Design
Architecture Firm:	Hahnfeld Hoffer Stanford
Construction Firm:	W.B. Kibler Construction

Project Funding

Total Project Budget:	\$425,002
Total Construction Budget:	\$335,114
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/11/2016
Achieve Substantial Completion	01/31/2017

Project Description

Remynse Elementary will receive a Security Vestibule, Two STEM labs, and a Strings room.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Renovation
Gross and Program Square Feet:	3,800 SF
Phase:	Schematic Design
Architecture Firm:	Hahnfeld Hoffer Stanford
Construction Firm:	W.B. Kibler Construction

Project Funding

Total Project Budget:	\$675,014
Total Construction Budget:	\$537,123
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/11/2016
Achieve Substantial Completion	01/31/2017

Project Description

West Elementary will receive a Security Vestibule, Two STEM labs, and a Strings room.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Renovation
Gross and Program Square Feet:	3,800 SF
Phase:	Schematic Design
Architecture Firm:	Hahnfeld Hoffer Stanford
Construction Firm:	W.B. Kibler Construction

Project Funding

Total Project Budget:	\$425,002
Total Construction Budget:	\$335,114
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/11/2016
Achieve Substantial Completion	01/31/2017

Project Description

Scope includes deficiencies and life cycle improvements along with STEM Labs and Strings room.

Improvements include a secure campus main entrance, update restrooms and accessible routes to comply with ADA and update to the existing HVAC systems.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Life Cycle and Deficiencies
Gross and Program Square Feet:	84,391
Phase:	Design Development
Architecture Firm:	Natex Corporation Architects
Construction Firm:	W.B. Kibler Construction

Project Funding

Total Project Budget:	\$2,745,366
Total Construction Budget:	\$2,209,968
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	02/04/2016
Issue NTP – Construction	02/10/2016
Achieve Substantial Completion	02/01/2017

Project Description

Scope includes deficiencies and life cycle improvements along with STEM Labs and Strings room.

Improvements include a secure campus main entrance, update restrooms and accessible routes to comply with ADA and update to the existing HVAC systems.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Life Cycle and Deficiencies
Gross and Program Square Feet:	84,381
Phase:	Design Development
Architecture Firm:	Natex Corporation Architects
Construction Firm:	W.B. Kibler Construction

Project Funding

Total Project Budget:	\$2,749,645
Total Construction Budget:	\$2,213,426
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	02/04/2016
Issue NTP – Construction	02/10/2016
Achieve Substantial Completion	02/01/2017

Project Description

Facility will receive upgrades and repairs throughout the building, a modified main entry area, and exterior improvements for site based deficiencies. The primary goals are to correct outstanding deficiencies at the campus, and to provide two (2) Science/STEM Labs and a dedicated Strings Room. The fire alarm system will be updated. The entry and administrative office layout will be adjusted to allow for an improved reception area and a security vestibule. Parking and walkways will be upgraded, and additional parking will be provided



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Life Cycles and Deficiencies, Science Labs and Strings Room
Gross and Program Square Feet:	71,681
Phase:	Design Development
Architecture Firm:	KAI Texas
Construction Firm:	Pogue

Project Funding

Total Project Budget:	\$4,829,239
Total Construction Budget:	\$3,893,737
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/14/2016
Achieve Substantial Completion	03/31/2017

Project Description

Facility will receive upgrades and repairs throughout the building, a modified main entry area, and exterior improvements for site based deficiencies. The primary goals are to correct outstanding deficiencies at the campus, and to provide two (2) Science/STEM Labs and a dedicated Strings Room. The emergency lighting system will be replaced. The entry and administrative office layout will be adjusted to allow for an improved reception area and a security vestibule. Walkways will be upgraded, and additional playground equipment will be provided



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Life Cycles and Deficiencies, Science Labs and Strings Room
Gross and Program Square Feet:	103,670
Phase:	Design Development
Architecture Firm:	KAI Texas
Construction Firm:	Pogue

Project Funding

Total Project Budget:	\$3,002,380
Total Construction Budget:	\$2,417,635
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/14/2016
Achieve Substantial Completion	03/31/2017

Project Description

Facility will receive upgrades and repairs throughout the building, a modified main entry area, and exterior improvements for site based deficiencies. The primary goals are to correct outstanding deficiencies at the campus, and to provide two (2) Science/STEM Labs and a dedicated Strings Room. The fire alarm system will be updated. The entry and administrative office layout will be adjusted to allow for an improved reception area and a security vestibule. Walkways and parking will be upgraded, and additional playground equipment will be provided



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Life Cycles and Deficiencies, Science Labs and Strings Room
Gross and Program Square Feet:	88,066
Phase:	Design Development
Architecture Firm:	KAI Texas
Construction Firm:	Pogue

Project Funding

Total Project Budget:	\$2,352,980
Total Construction Budget:	\$1,892,920
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/14/2016
Achieve Substantial Completion	03/31/2017

Project Description

The project main objective is to correct the deficiencies and to renovate items to improve the health and the life of the building. This project include the renovation of different components such as Mechanical, Roofing, Electrical, Plumbing, exterior grading and others. Project will also provide two (2) Science/STEM Labs and a dedicated Strings Room.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Addition/Renovation
Gross and Program Square Feet:	Approx. 92,069 SF
Phase:	Construction Document
Architecture Firm:	LBL Architects
Construction Firm:	Balfour Beatty

Project Funding

Total Project Budget:	\$5,444,508
Total Construction Budget:	\$4,390,875
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	03/03/2016
Issue NTP – Construction	03/15/2016
Achieve Substantial Completion	03/15/2017

Project Description

The project main objective is to correct the deficiencies and to renovate components to improve the health and the life of the building. This project include the renovation of different components such as Mechanical, Roofing, Electrical, Plumbing, exterior grading and others. This project also include the addition or renovation of two science labs and one string room.

Currently the architects are working in the schematic design which is the starting point of the design phase.

The project is scheduled for completion March 2017.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Addition/Renovation
Gross and Program Square Feet:	Approx. 84,902 SF
Phase:	Construction Document
Architecture Firm:	LBL Architects
Construction Firm:	Balfour Beatty

Project Funding

Total Project Budget:	\$5,282,877.00
Total Construction Budget:	\$4,260,277.12
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	03/03/2016
Issue NTP – Construction	03/15/2016
Achieve Substantial Completion	03/15/2017

Project Description

The project main objective is to correct the deficiencies and to renovate items to improve the health and the life of the building. This project include the renovation of different components such as Mechanical, Roofing, Electrical, Plumbing, exterior grading and others. Project will also provide two (2) Science/STEM Labs and a dedicated Strings Room.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Addition/Renovation
Gross and Program Square Feet:	Approx. 93,531 SF
Phase:	Construction Document
Architecture Firm:	LBL Architects
Construction Firm:	Balfour Beatty

Project Funding

Total Project Budget:	\$2,604,777
Total Construction Budget:	\$2,096,372
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	03/03/2016
Issue NTP – Construction	03/15/2016
Achieve Substantial Completion	03/17/2017

Project Description

Facility will receive upgrades and repairs throughout the building, a modified main entry area, and exterior improvements for site based deficiencies. The primary goals are to correct outstanding deficiencies at the campus, and to provide two (2) Science/STEM Labs and a dedicated Strings Room. The play area will be resurfaced, and new play areas will be added, including basketball courts. The entry and administrative office layout will be adjusted to allow for an improved reception area and a security vestibule. Parking and walkways will be upgraded, and additional parking will be provided with signs



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Life Cycles and Deficiencies, Science Labs and Strings Room
Gross and Program Square Feet:	86,105
Phase:	Design Development
Architecture Firm:	WRA Architects
Construction Firm:	Balfour Beatty

Project Funding

Total Project Budget:	\$2,378,960
Total Construction Budget:	\$1,913,912
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/11/2016
Achieve Substantial Completion	03/31/2017

Project Description

Facility will receive upgrades and repairs throughout the building, and exterior improvements for site based deficiencies. The primary goal is to correct outstanding deficiencies at the campus. The school roof will be updated. The wayfinding system will be upgraded. Carpets will be replaced where needed. Walkways and parking will be upgraded, and additional parking and parking lot lighting will be provided. A running track and sports lighting will also be installed.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Life Cycles and Deficiencies
Gross and Program Square Feet:	149,270
Phase:	Design Development
Architecture Firm:	WRA Architects
Construction Firm:	Balfour Beatty

Project Funding

Total Project Budget:	\$6,552,586
Total Construction Budget:	\$5,294,489
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/11/2016
Achieve Substantial Completion	03/31/2017

Project Description

Facility will receive upgrades and repairs throughout the building, a modified main entry area, and exterior improvements for site based deficiencies. The primary goals are to correct outstanding deficiencies at the campus, and to provide two (2) Science/STEM Labs and a dedicated Strings Room. Dedicated playground equipment will be added, and the play area will be resurfaced. The entry and administrative office layout will be adjusted to allow for an improved reception area and a security vestibule. Parking and walkways will be upgraded, and additional parking will be provided with upgraded lighting and signs



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Life Cycles and Deficiencies, Science Labs and Strings Room
Gross and Program Square Feet:	97,992
Phase:	Design Development
Architecture Firm:	WRA Architects
Construction Firm:	Balfour Beatty

Project Funding

Total Project Budget:	\$4,976,418
Total Construction Budget:	\$4,012,658
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/11/2016
Achieve Substantial Completion	03/31/2017

Project Description

Facility will receive interior and exterior deficiency and life cycle repairs. The primary goal is to address site accessibility, roof repair/replacement, fire alarm, HVAC and controls upgrades, electrical upgrades, additional card access readers, and plumbing repairs.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Life Cycles and Deficiencies
Gross and Program Square Feet:	36,932
Phase:	Design Development
Architecture Firm:	WRA Architects
Construction Firm:	Balfour Beatty

Project Funding

Total Project Budget:	\$2,276,600
Total Construction Budget:	\$1,839,492
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/07/2016
Issue NTP – Construction	04/11/2016
Achieve Substantial Completion	03/31/2017

Project Description

Facility will receive upgrades and repairs throughout the building, and exterior improvements for site based deficiencies. The primary goals are to correct outstanding deficiencies at the campus, and to renovate the CTE and Fine Arts spaces. The science labs will be upgraded with safety equipment. The fencing and gate for the football field will be repaired. The intrusion systems will be replaced. Parking and walkways will be upgraded, and additional parking will be provided. Roof repairs are included.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Life Cycles and Deficiencies, CTE and Fine Arts space renovation
Gross and Program Square Feet:	424,463
Phase:	Design Development
Architecture Firm:	Corgan
Construction Firm:	Balfour Beatty

Project Funding

Total Project Budget:	\$11,884,221
Total Construction Budget:	\$9,550,883
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/21/2016
Issue NTP – Construction	04/27/2016
Achieve Substantial Completion	03/31/2017

Project Description

Facility will receive upgrades and repairs throughout the building, a modified main entry area, and exterior improvements for site based deficiencies. The primary goals are to correct outstanding deficiencies at the campus, and to provide two (2) Science/STEM Labs and a dedicated Strings Room. The play area will be fenced or buffered from the public. New playground equipment will be added, and basketball goals repaired. The entry and administrative office layout will be adjusted to allow for an improved reception area and a security vestibule. Parking and walkways will be upgraded, and additional parking will be provided. Roof repairs are included.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Life Cycles and Deficiencies, Science Labs and Strings Room
Gross and Program Square Feet:	96,554
Phase:	Design Development
Architecture Firm:	Corgan
Construction Firm:	Balfour Beatty

Project Funding

Total Project Budget:	\$4,984,610
Total Construction Budget:	\$4,019,278
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/21/2016
Issue NTP – Construction	04/27/2016
Achieve Substantial Completion	03/31/2017

Project Description

Facility will receive upgrades and repairs throughout the building, a modified main entry area, and exterior improvements for site based deficiencies. The primary goals are to correct outstanding deficiencies at the campus, and to provide two (2) Science/STEM Labs and a dedicated Strings Room. The play area will be resurfaced. New basketball goals will be provided. The fire alarm and intrusion systems will be replaced. The entry and administrative office layout will be adjusted to allow for an improved reception area and a security vestibule. Parking and walkways will be upgraded, and additional parking will be provided. Roof repairs are included.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Life Cycles and Deficiencies, Science Labs and Strings Room
Gross and Program Square Feet:	81,426
Phase:	Design Development
Architecture Firm:	Corgan
Construction Firm:	Balfour Beatty

Project Funding

Total Project Budget:	\$4,722,190
Total Construction Budget:	\$3,807,242
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	04/21/2016
Issue NTP – Construction	04/27/2016
Achieve Substantial Completion	03/31/2017

Project Description

Project scope includes 2 STEM Labs, 1 Strings Room, Site, Electrical, Interior, Exterior, and Mechanical, Plumbing, Technology, Fire & Life Safety, Specialties and Roofing work. ADA issues will be addressed on site exterior and interior areas to ensure school is in compliance with current code. Temperature control of school IDF/MDF rooms will be addressed to ensure functionality of networking equipment.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Life Cycle and Deficiencies
Gross and Program Square Feet:	76,543 (existing building)
Phase:	Schematic Design
Architecture Firm:	HKS Architects Inc.
Construction Firm:	Balfour Beatty Construction

Project Funding

Total Project Budget:	\$2,561,236
Total Construction Budget:	\$2,061,192
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	02/18/2016
Issue NTP – Construction	02/19/2016
Achieve Substantial Completion	03/01/2017

Project Description

The scope of this project involves renovation of Fine Arts Spaces, renovation of CTE Spaces, Site, Electrical, Interior, Exterior, and Mechanical, Plumbing, Technology, Fire & Life Safety, Specialties and Roofing work. ADA issues will be addressed on site exterior and interior areas to ensure school is in compliance with current code. Temperature control of school IDF/MDF rooms will be addressed to ensure functionality of networking equipment.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Life Cycle and Deficiencies
Gross and Program Square Feet:	536,583 (existing building)
Phase:	Schematic Design
Architecture Firm:	HKS Architects Inc.
Construction Firm:	Balfour Beatty Construction

Project Funding

Total Project Budget:	\$17,256,164
Total Construction Budget:	\$13,891,413
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	02/18/2016
Issue NTP – Construction	02/19/2016
Achieve Substantial Completion	03/01/2017

Project Description

Project scope includes 2 STEM Labs, 1 Strings Room, Site, Electrical, Interior, Exterior, and Mechanical, Plumbing, Technology, Fire & Life Safety, Specialties and Roofing work. ADA issues will be addressed on site exterior and interior areas to ensure school is in compliance with current code. Temperature control of school IDF/MDF rooms will be addressed to ensure functionality of networking equipment.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Life Cycle and Deficiencies
Gross and Program Square Feet:	76,543 (existing building)
Phase:	Schematic Design
Architecture Firm:	HKS Architects Inc.
Construction Firm:	Balfour Beatty Construction

Project Funding

Total Project Budget:	\$3,615,656
Total Construction Budget:	\$2,913,612
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	02/18/2016
Issue NTP – Construction	02/19/2016
Achieve Substantial Completion	03/01/2017

Project Description

With approximately over 450,000 SF of building, this project main objective is to correct the deficiencies and to renovate components to improve the health and the life of the building. This project also include the renovation of followings areas:

- Dining Area
- CTE
- Athletic Facilities
- Fine Arts Spaces

A master plan is being developed to improve utilization of the classrooms and different areas of the school.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Addition/Renovation
Gross and Program Square Feet:	Approx. 458,437 SF
Phase:	Schematic Design
Architecture Firm:	Huckabee Inc.
Construction Firm:	Balfour Beatty

Project Funding

Total Project Budget:	\$14,177,966
Total Construction Budget:	\$11,404,229
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	03/03/2016
Issue NTP – Construction	03/15/2016
Achieve Substantial Completion	03/15/2017

Project Description

The project main objective is to correct the deficiencies and to renovate items to improve the health and the life of the building. This project include the renovation of different components such as Mechanical, Roofing, Electrical, Plumbing, exterior grading and others. Project will also provide two (2) Science/STEM Labs and a dedicated Strings Room.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Addition/Renovation
Gross and Program Square Feet:	Approx. 91,537 SF
Phase:	Schematic Design
Architecture Firm:	Huckabee Inc.
Construction Firm:	Balfour Beatty

Project Funding

Total Project Budget:	\$3,512,680
Total Construction Budget:	\$2,829,957
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	03/03/2016
Issue NTP – Construction	03/15/2016
Achieve Substantial Completion	03/15/2017

Project Description

The project main objective is to correct the deficiencies and to renovate items to improve the health and the life of the building. This project include the renovation of different components such as Mechanical, Roofing, Electrical, Plumbing, exterior grading and others. Project will also provide two (2) Science/STEM Labs and a dedicated Strings Room.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Addition/Renovation
Gross and Program Square Feet:	Approx. 107,441 SF
Phase:	Schematic Design
Architecture Firm:	Huckabee Inc.
Construction Firm:	Balfour Beatty

Project Funding

Total Project Budget:	\$5,794,595
Total Construction Budget:	\$4,673,746
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	03/03/2016
Issue NTP – Construction	03/15/2016
Achieve Substantial Completion	03/15/2017

Project Description

The project main objective is to correct the deficiencies and to renovate items to improve the health and the life of the building. This project include the renovation of different components such as Mechanical, Roofing, Electrical, Plumbing, exterior grading and others. This project also include the addition or renovation of two science labs and one string room.



Project Information

Project Status:	Active
Project Delivery Method:	Construction Manager At Risk
Project Type:	Addition/Renovation
Gross and Program Square Feet:	Approx. 91,006 SF
Phase:	Schematic Design
Architecture Firm:	Huckabee Inc.
Construction Firm:	Balfour Beatty

Project Funding

Total Project Budget:	\$5,153,088
Total Construction Budget:	\$4,155,407
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	03/03/2016
Issue NTP – Construction	03/15/2016
Achieve Substantial Completion	03/15/2017

Project Description

The Site is located at Michigan AVE & Pioneer Parkway. The facility will have Classrooms , Metal construction laboratories , Pens areas for different animals , loading dock and out door grazing areas.

The building will be designed to have indoor animal space, and a parking lot with direct acces to Michigan Ave.



Project Information

Project Status:	Active
Project Delivery Method:	CSP
Project Type:	New Construction
Gross and Program Square Feet:	Approx. 18605 SF
Phase:	Planning
Architecture Firm:	VLK Architect
Construction Firm:	TBD- CSP Procurement Method

Project Funding

Total Project Budget:	\$2,500,000
Total Construction Budget:	\$1,939,750
Board Approved GMP Pricing:	

Project Schedule

Board GMP Approval	August	2016
Issue NTP – Construction	September	2016
Achieve Substantial Completion	June	2017

HUB PARTICIPATION REPORT



2014 Bond Program HUB Expenditure Summary

Phase / Bid Package	Firms	Project Description	HUB Commitment %	Project Budget	HUB Commitment Amount	Tier II HUB Participation Thru 10/15	Total Expenses Thru 10/15	HUB Participation
PH1-BP1	Harrison Kornberg (HUB Firm)	Ferguson Education Center	52.30%	\$ 107,150	\$ 56,040	\$ 90,614	\$ 105,066	86.25%
PH1-BP1	Pogue Construction	Ferguson Education Center	20.00%	\$ 1,230,627	\$ 246,125	\$ 67,665	\$ 1,118,352	6.05%
PH1-BP2	Harrison Kornberg (HUB Firm)	Ousley Junior High School	42.90%	\$ 341,839	\$ 146,649	\$ 178,837	\$ 309,411	57.80%
PH1-BP2	Pogue Construction	Ousley Junior High School	20.00%	\$ 4,012,350	\$ 802,470	\$ 734,992	\$ 2,377,755	30.91%
PH1-BP3	Brown Reynolds Watford	Workman Junior High School	23.49%	\$ 855,780	\$ 201,023	\$ 211,055	\$ 716,309	29.46%
PH1-BP3	Pogue Construction	Workman Junior High School	20.00%	\$ 11,076,354	\$ 2,215,271	\$ 45,398	\$ 657,271	6.91%
PH1-BP4	Stantec	Jones Fine Arts and Dual Language Academy	10.00%	\$ 570,892	\$ 57,089	\$ 9,460	\$ 380,662	2.49%
PH1-BP4	Joeris	Jones Fine Arts and Dual Language Academy	25.00%	\$ 8,511,481	\$ 2,127,870	\$ 81,972	\$ 125,221	65.46%
PH1-BP5	Stantec	Boles Junior High School, Special Education	13.00%	\$ 306,501	\$ 39,845	\$ 313	\$ 28,079	1.11%
PH1-BP5	Pogue Construction	Boles Junior High School, Special Education	20.00%	\$ 5,108,350	\$ 1,021,670	\$ -	\$ -	0.00%
PH1-BP5	Stantec	Corey Fine Arts and Dual Language Academy	9.00%	\$ 434,923	\$ 39,143	\$ 8,349	\$ 300,425	2.78%
PH1-BP5	Pogue Construction	Corey Fine Arts and Dual Language Academy	20.00%	\$ 6,811,857	\$ 1,362,371	\$ -	\$ -	0.00%
PH1-BP6	Perkin+Wills	Peach Elementary School	20.00%	\$ 1,328,818	\$ 265,764	\$ 104,000	\$ 1,038,291	10.02%
PH1-BP6	Balfour Beatty Construction	Peach Elementary School	25.00%	\$ 22,146,969	\$ 5,536,742	\$ 192,869	\$ 978,284	19.72%
PH1-BP7	Corgan	McNutt New Elementary School	18.00%	\$ 1,159,236	\$ 208,662	\$ 173,372	\$ 887,845	19.53%
PH1-BP7	Balfour Beatty Construction	McNutt New Elementary School	30.00%	\$ 19,816,000	\$ 5,944,800	\$ 93,688	\$ 1,330,800	7.04%
PH1-BP8	VLK	Career Technical Education Center	27.50%	\$ 2,353,280	\$ 647,152	\$ 426,051	\$ 1,562,632	27.26%
PH1-BP8	Balfour Beatty Construction	Career Technical Education Center	25.00%	\$ 39,221,336	\$ 9,805,334	\$ -	\$ 114,142	0.00%
PH1-BP9	Huckabee	Multi-Purpose Activity Center - Arlington HS	31.00%	\$ 586,766	\$ 181,897	\$ 103,853	\$ 395,833	26.24%
PH1-BP9	Balfour Beatty Construction	Multi-Purpose Activity Center - Arlington HS	25.00%	\$ 9,779,426	\$ 2,444,856	\$ -	\$ -	0.00%
PH1-BP9	Huckabee	Multi-Purpose Activity Center - Bowie HS	31.00%	\$ 586,766	\$ 181,897	\$ 80,779	\$ 377,585	21.39%
PH1-BP9	Balfour Beatty Construction	Multi-Purpose Activity Center - Bowie HS	25.00%	\$ 9,779,426	\$ 2,444,856	\$ -	\$ -	0.00%
PH1-BP9	Huckabee	Multi-Purpose Activity Center - Lamar HS	31.00%	\$ 586,766	\$ 181,897	\$ 93,767	\$ 380,163	24.66%
PH1-BP9	Balfour Beatty Construction	Multi-Purpose Activity Center - Lamar HS	25.00%	\$ 9,779,426	\$ 2,444,856	\$ -	\$ -	0.00%
PH1-BP9	Huckabee	Multi-Purpose Activity Center - Martin HS	31.00%	\$ 586,766	\$ 181,897	\$ 97,016	\$ 386,315	25.11%
PH1-BP9	Balfour Beatty Construction	Multi-Purpose Activity Center - Martin HS	25.00%	\$ 9,779,426	\$ 2,444,856	\$ -	\$ -	0.00%
PH1-BP9	Huckabee	Multi-Purpose Activity Center - Sam Houston HS	31.00%	\$ 586,766	\$ 181,897	\$ 106,339	\$ 385,649	27.57%
PH1-BP9	Balfour Beatty Construction	Multi-Purpose Activity Center - Sam Houston HS	25.00%	\$ 9,779,426	\$ 2,444,856	\$ -	\$ -	0.00%
PH1-BP9	Huckabee	Multi-Purpose Activity Center - Sequin HS	31.00%	\$ 586,766	\$ 181,897	\$ 93,699	\$ 380,006	24.66%
PH1-BP9	Balfour Beatty Construction	Multi-Purpose Activity Center - Sequin HS	25.00%	\$ 9,779,426	\$ 2,444,856	\$ -	\$ -	0.00%
PH1-BP10	KAI (HUB Firm)	Mac Bernd Professional Development Center (PDC)	15.00%	\$ 59,789	\$ 8,968	\$ -	\$ 18,497	0.00%
PH1-BP10	Pogue Construction	Mac Bernd Professional Development Center (PDC)	20.00%	\$ 747,363	\$ 149,473	\$ -	\$ -	0.00%
PH2-BP1	LBL	Duff Elementary School	32.00%	\$ 186,658	\$ 59,730	\$ 27,500	\$ 64,605	42.57%
PH2-BP1	Balfour Beatty Construction	Duff Elementary School	25.00%	\$ 2,406,897	\$ 601,724	\$ -	\$ -	0.00%

2014 Bond Program HUB Expenditure Summary

Phase / Bid Package	Firms	Project Description	HUB Commitment %	Project Budget	HUB Commitment Amount	Tier II HUB Participation Thru 10/15	Total Expenses Thru 10/15	HUB Participation
PH2-BP2	Hahnfield Hoffer Standford	1) Anderson ES 2) Ashworth ES 3) Beckham ES 4) Blanton ES 5) Bryant ES 6) Burgin ES 7) Crow ES 8) Hale ES 9) Larson ES 10) Percy Es 11) Remyse ES 12) West ES 13) Ditto ES 14) Kookan Ed Ctr.	32.00%	\$ 361,115	\$ 115,557	\$ -	\$ -	0.00%
PH2-BP2	W.B. Kibler Construction Co., LTD.	Science Labs, Strings Room and Security Vestibule (14 Elementary Schools)	25.00%	\$ 4,760,530	\$ 1,190,133	\$ -	\$ -	0.00%
PH2-BP3	Natex (HUB Firm)	1) Farrell ES 2) Starrett ES	30.00%	\$ 424,657	\$ 127,397	\$ -	\$ 49,763	0.00%
PH2-BP3	W.B. Kibler Construction Co., LTD.	1) Farrell ES 2) Starrett ES	25.00%	\$ 4,423,395	\$ 1,105,849	\$ -	\$ -	0.00%
PH2-BP4	KAI (HUB Firm)	1) Foster ES 2) Moore ES 3) Wood ES	15.00%	\$ 793,905	\$ 119,086	\$ -	\$ 23,075	0.00%
PH2-BP4	Pogue Construction	1) Foster ES 2) Moore ES 3) Wood ES	20.00%	\$ 8,204,293	\$ 1,640,859	\$ -	\$ -	0.00%
PH2-BP5	LBL	1) Bebensee ES 2) Fitzgerald ES 3) Williams ES	32.00%	\$ 1,048,228	\$ 335,433	\$ 79,600	\$ 263,379	30.22%
PH2-BP5	Balfour Beatty Construction	1) Bebensee ES 2) Fitzgerald ES 3) Williams ES	25.00%	\$ 10,747,525	\$ 2,686,881	\$ -	\$ -	0.00%
PH2-BP6	WRA	1) Nichols Junior High 2) Turning Point Junior High 3) Ellis ES 4) Sherrod ES	21.00%	\$ 1,160,545	\$ 243,715	\$ -	\$ 220,388	0.00%
PH2-BP6	Balfour Beatty Construction	1) Nichols Junior High 2) Turning Point Junior High 3) Ellis ES 4) Sherrod ES	25.00%	\$ 11,782,282	\$ 2,945,571	\$ -	\$ -	0.00%
PH2-BP7	Corgan	1) Arlington High School 2) Morton ES 3) South Davis ES	18.00%	\$ 1,665,045	\$ 299,708	\$ -	\$ 113,388	0.00%
PH2-BP7	Balfour Beatty Construction	1) Arlington High School 2) Morton ES 3) South Davis ES	25.00%	\$ 17,377,404	\$ 4,344,351	\$ -	\$ -	0.00%
PH2-BP8	HKS	1) Martin High School 2) Little ES 3) Miller ES	16.00%	\$ 1,813,881	\$ 290,221	\$ 10,512	\$ 329,414	3.19%
PH2-BP8	Balfour Beatty Construction	1) Martin High School 2) Little ES 3) Miller ES	25.00%	\$ 18,865,768	\$ 4,716,442	\$ -	\$ -	0.00%

2014 Bond Program HUB Expenditure Summary

Phase / Bid Package	Firms	Project Description	HUB Commitment %	Project Budget	HUB Commitment Amount	Tier II HUB Participation Thru 10/15	Total Expenses Thru 10/15	HUB Participation
PH2-BP9	Huckabee	1) Sam Houston High School 2) Crouch ES 3) Knox ES 4) Thornton ES	33.00%	\$ 2,218,685	\$ 732,166	\$ -	\$ 182,484	0.00%
PH2-BP9	Balfour Beatty Construction	1) Sam Houston High School 2) Crouch ES 3) Knox ES 4) Thornton ES	25.00%	\$ 23,002,224	\$ 5,750,556	\$ -	\$ -	0.00%
PH2-BP10	VLK	Agricultural Science Facility	27.50%	\$ 135,783	\$ 37,340	\$ -	\$ -	0.00%
TOTALS			25%	\$ 299,776,864	\$ 73,985,702	\$ 3,111,700	\$ 15,601,089	19.95%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Harrison Kornberg Architects, LLC	Report Date:	10/23/2015
Phase/Bid Package:	Phase 1/Bid Package 1		
Project Name:	Ferguson Jr. High School		
Project Manager:	James Harrison		

Report Period (M/D/Y to M/D/Y)
09/01/2015 - 09/30/2015
Invoice FJH-07

Report Period Invoiced	Invoiced to Date
\$2,700.80	\$105,066.25

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Jaster-Quintanilla Dallas, LLP	Civil	\$625.65	\$23,697.10
Jaster-Quintanilla Dallas, LLP	Structural	\$38.70	\$1,465.80
Jaster-Quintanilla Dallas, LLP	Survey		\$4,700.00
IDA	MEP	\$1,393.20	\$52,768.80
Moye Consulting	IT	\$210.76	\$7,982.75
TOTALS:		\$2,268.31	\$90,614.45

HUB Participation %	
83.99%	86.25%

Firm:	Pague Construction	Invoice Date:	9/25/2015
Phase/Bid Package:	Phase 1/Bid Package	Invoice No.:	4
Project Name:	Ferguson Junior High		
Project Manager:	Landon Kids		

Report Period Invoiced	Invoiced to Date
\$126,981.44	\$1,118,352.41

HUB Participation %	
13.92%	6.05%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Harrison Kornberg Architects, LLC	Report Date:	10/23/2015
Phase/Bid Package:	Phase 1/Bid Package 2		
Project Name:	Ousley Jr. High School		
Project Manager:	James Harrison		

Report Period (M/D/Y to M/D/Y)
09/01/2015 - 09/30/2015
Invoice OJH-07

Report Period Invoiced	Invoiced to Date
\$4,044.23	\$309,410.63

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Jaster-Quintanilla Dallas, LLP	Civil	\$488.66	\$37,273.22
Jaster-Quintanilla Dallas, LLP	Structural	\$52.99	\$4,041.68
Jaster-Quintanilla Dallas, LLP	Survey		\$11,500.00
IDA Engineering, Inc.	MEP	\$1,365.90	\$104,185.40
IDA Engineering, Inc.	MEP (Admin Add Service)		\$14,500.00
Moye Engineering	IT	\$96.19	\$7,336.99
TOTALS:		\$2,003.74	\$178,837.29

HUB Participation %	
49.55%	57.80%

Firm:	Pogue Construction	Invoice Date	9/25/2015
Phase/Bid Package:	Phase 1/Bid Package 2	Invoice No.	4
Project Name:	Ousley Junior High		
Project Manager:	Landon Kids		

Report Period Invoiced	Invoiced to Date
\$188,961.00	\$2,377,754.92

HUB Participation %	
16.58%	30.91%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Brown Reynolds Watford Architects, Inc.	Report Date:	9/21/2015
Phase/Bid Package:	Phase 1 BP3		
Project Name:	Arlington 20014 Bond Program - Workman Jr. High		
Project Manager:	Lisa W. Lamkin, AIA		

Report Period (07/01/2015 to 7/31/2015)

Report Period Invoiced	Invoiced to Date
\$67,441.19	\$716,308.51

HUB Vendor Information (Tier II) Spend			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Basharkhah Engineering, Inc.	M/E/P and Technology	\$15,715.00	\$91,195.00
Pacheco-Koch Consulting Eng.	Topographic Survey	\$0.00	\$48,000.00
Jaster-Quintanilla Dallas LLP	Structural	\$2,535.00	\$28,275.00
Pacheco-Koch Consulting Eng.	Civil	\$0.00	\$26,600.00
DeShazo Group	Traffic and Transportation	\$0.00	\$12,660.00
MS Dallas Reprographics	Reproduction Services	\$0.00	\$3,830.16
Abadi Accessibility	TAS/TDLR Review	\$0.00	\$495.00
TOTALS:		\$18,250.00	\$211,055.16

HUB Participation %	
27.05%	29.46%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Pogue Construction	Invoice Date	9/25/2015
Phase/Bid Package:		Invoice No.	4
Project Name:	Workman Dining		
Project Manager:	Landon Kids		

Report Period (M/D/Y to M/D/Y)
8/31/15 - 9/31/15

Report Period Invoiced	Invoiced to Date
\$24,383.18	\$657,270.65

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Direct Service Company	Plumbing	\$0.00	\$35,337.61
Spectrum Resources	Specialties	\$0.00	\$8,500.00
LANtek Communications	Low Voltage/Structured Cabling	\$0.00	\$1,560.00
TOTALS:		\$0.00	\$45,397.61

HUB Participation %
0.00% 6.91%

Firm:	Stantec Architecture Inc.	Invoice Date	9/14/2015
Phase/Bid Package:	Phase 1 - Bid Package 4	Invoice No.	955107
Project Name:	Roquemore ES Language and Fine Arts Academy		
Project Manager:	Brett Holzle		

Report Period Invoiced	Invoiced to Date
\$74,930.23	\$380,662.49

HUB Participation %	
1.57%	2.49%

Firm:	Joeris General Contractors	Invoice Date	10/22/2015
Phase/Bid Package:	Phase 1/Bid Package 4 Bid # 15-22	Invoice No.	15011A-0001
Project Name:	Roquemore Elementary School Renovations		
Project Manager:	AISD: Andrew Herrell	Joeris: Randy Johnston	

Report Period Invoiced	Invoiced to Date
\$125,220.72	\$125,220.72

HUB Participation %	
65.46%	65.46%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Stantec Architecture	Invoice Date:	9/4/2015
Phase/Bid Package:	Phase 1 - Bid Package 5	Invoice No.:	952079
Project Name:	Boles Junior High - Special Education / Renovation		
Project Manager:	Brett Holzie		

Report Period (06/06/2015 to 08/16/2015)

Report Period Invoiced	Invoiced to Date
\$23,574.18	\$28,079.45

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Coleman and Associates	Landscaping (Non-Reimb)	\$0.00	\$0.00
Glenn Engineering	Civil Engineering (Non-Reimb)	\$0.00	\$0.00
Reprographics Consulting	Reproduction (Reimb)	\$0.00	\$312.52
TOTALS:		\$0.00	\$312.52

This HUB has been updated to current. Prior to Reprographics Consulting being recognized as a HUB participant, Stantec billed \$312.52 as a reimb reprographic expense on February 6, 2015, on Invoice 873583. This amount was not previously recorded or captured on any previous HUB.

HUB Participation %	
0.00%	1.11%

The Invoiced to Date Value on this HUB form has also been brought to current, per Javier's HUB calculation requirements. The Prior Invoiced to Date Value on HUB (6/11/15) should have read \$4,505.27.



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Stantec Architecture	Invoice Date	9/14/2015
Phase/Bid Package:	Phase 1 - Bid Package 5	Invoice No.	955102
Project Name:	Corey ES Dual Language and Fine Arts Academy		
Project Manager:	Brett Holze		

Report Period (07/04/15 to 08/14/15)

Report Period Invoiced	Invoiced to Date
\$58,750.95	\$300,424.55

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
D.P. Acoustics	Acoustics (Non-Reimb)	\$0.00	\$0.00
Coleman and Associates	Landscaping (Non-Reimb)	\$720.00	\$1,800.00
Glenn Engineering	Civil Engineering - Topo/Survey (Reimb)	\$0.00	\$6,250.00
Glenn Engineering	Civil Engineering (Non-Reimb)	\$0.00	\$0.00
Reprographic Consultants	Reproduction (Reimb)	\$100.86	\$299.08
TOTALS:		\$820.86	\$8,349.08

HUB Participation %	
1.40%	2.78%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Perkins+Will, Inc.	Report Date:	7/8/2015
Phase/Bid Package:	Phase I, Bid Pkg. #6		
Project Name:	New Elementary School at Baird Farm Road		
Project Manager:	Charles Brant		

Report Period (M/D/Y to M/D/Y)
06/01/2015 to 06/30/2015

Report Period Invoiced	Invoiced to Date
\$143,250.66	\$1,038,291.49

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Pacheco Koch	Civil Engineering	\$0.00	\$34,000.00
Ponce-Fuess	Structural Engineering	\$0.00	\$70,000.00
Bosma Design Solutions	Food Service Design	\$0.00	\$0.00
Garza Program Management	Cost Estimating	\$0.00	\$0.00
TOTALS:		\$0.00	\$104,000.00

HUB Participation %
0.00% 10.02%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Balfour Beatty Construction	Invoice Date	9/30/15
Phase/Bid Package:	Phase I / Bid Package No. 5	Invoice No.	2
Project Name:	Eddy & Debbie Peach Elementary School		
Project Manager:	Joe Reeves		

Report Period (M/D/Y to M/D/Y)
9/1/15 - 9/30/15

Report Period Invoiced	Invoiced to Date
\$644,107.00	\$978,284.00

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Miller Sierra	Concrete	\$192,869.00	\$192,869.00
TOTALS:		\$192,869.00	\$192,869.00

HUB Participation %
29.94% 19.72%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Corgan	Invoice Date	9/14/2015
Phase/Bid Package:	Phase# - Bid Pack# TEC S44.031(F)	Invoice No.	14216.0000-11
Project Name:	AISD Sandy McNutt Elementary		
Project Manager:	Susan Smith		

Report Period (7/01/15 to 7/31/15)

Report Period Invoiced	Invoiced to Date
\$1,787.48	\$887,845.07

Professional Services Fees from July 01 to July 31, 2015			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Pacheco Koch Consulting Eng.	Civil	\$0.00	\$83,500.00
Ponce-Fuess Eng.	Structural	\$0.00	\$89,872.20
TOTALS:		\$0.00	\$173,372.20

HUB Participation %	
0.00%	19.53%

Firm:	WRA Architects Inc.	Invoice Date	11/1/2015
Phase/Bid Package:	Phase 1 / Bid Pack 6	Invoice No.	5
Project Name:	Ellis Elementary School - PO 152096 Bid# 14-79		
Project Manager:	Mary O'Brien		

Report Period Invoiced	Invoiced to Date
\$12,918.91	\$32,288.28

HUB Participation %	
0.00%	0.00%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	WRA Architects Inc.	Invoice Date	11/1/2015
Phase/Bid Package:	Phase 1 / Bid Pack 6	Invoice No.	5
Project Name:	Sherrod Elementary School - PO 152098 Bid# 14-79		
Project Manager:	Mary O'Brien		

Report Period (M/D/Y to M/D/Y)
9/1 thru 10/31/2015

Report Period Invoiced	Invoiced to Date
\$27,084.92	\$67,713.67

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Apex Roofing Technology	Roofing Consultant	\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
TOTALS:		\$0.00	\$0.00

HUB Participation %	
0.00%	0.00%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Balfour Beatty Construcion	Invoice Date	10/28/2015
Phase/Bid Package:	Phase 1 Bid Package 7	Invoice No.	3
Project Name:	Sandy McNutt Elementary School		
Project Manager:	Ben Wittman		

Report Period (M/D/Y to M/D/Y)
10/01/2015-10/31/2015

Report Period Invoiced	Invoiced to Date
\$646,221.00	\$1,330,800.00

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Miller Sierra	Concrete	\$0.00	\$93,688.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
TOTALS:		\$0.00	\$93,688.00

HUB Participation %
0.00% 7.04%



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HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	VLK Architects, Inc.	Invoice Date	10/28/2015
Phase/Bid Package:	Phase I - Bid Package #8	Invoice No.	6-1444.00
Project Name:	Career Technical Education Center		
Project Manager:	Justin Hiles		

Report Period (M/D/Y to M/D/Y)
09/01/15 to 09/30/15

Report Period Invoiced	Invoiced to Date
\$255,530.70	\$1,562,632.08

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Pacheco Koch	Civil Engineering	\$17,600.00	\$81,600.00
Ponce Fuess Engineering	Structural Engineering	\$31,968.75	\$148,218.75
Pacheco Koch	Topographic Surveying	\$0.00	\$16,000.00
WJHW	Acoustical	\$23,925.00	\$93,925.00
Pacheco Koch	Landscape	\$5,781.87	\$26,806.87
Pacheco Koch	Traffic Consulting	\$0.00	\$17,000.00
Halford Busby	Estimating	\$42,500.00	\$42,500.00
TOTALS:		\$121,775.62	\$426,050.62

HUB Participation %	
47.66%	27.26%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Balfour Beatty	Invoice Date	29-Sep
Phase/Bid Package:		Invoice No.	2
Project Name:	AISD - CTEC Demo		
Project Manager:	Richard Flores		

Report Period (M/D/Y to M/D/Y)
9/1 - 9/30

Report Period Invoiced	Invoiced to Date
\$36,377.00	\$114,142.00

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Lloyd Nabors	Building & Site Demo - NOT HUB	\$0.00	\$0.00
Gentzler Electric	Electrical Demo - NOT HUB	\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
TOTALS:		\$0.00	\$0.00

HUB Participation %	
0.00%	0.00%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Huckabee & Associates, Inc.	Invoice Date	6/2/2015
Phase/Bid Package:		Invoice No.	8
Project Name:	001 Arlington High School Multipurpose Activity Center		
Project Manager:	Chris Huckabee/Andre Brackens		

Report Period (M/D/Y to M/D/Y)
5/1/15 to 5/31/15

Report Period Invoiced	Invoiced to Date
\$18,861.60	\$395,833.98

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Yaggi Engineering, Inc.	Electrical and Fire Alarm Consultant	\$0.00	\$18,334.25
Pacheco Koch	Survey, Civil Engineering and Landscape Architecture	\$0.00	\$81,548.49
PIC Printing	Reprographics	\$0.00	\$3,970.01
TOTALS:		\$0.00	\$103,852.75

HUB Participation %	
0.00%	26.24%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Huckabee & Associates, Inc.	Invoice Date	6/2/2015
Phase/Bid Package:		Invoice No.	8
Project Name:	004 Bowie High School Multipurpose Activity Center		
Project Manager:	Chris Huckabee/Andre Brackens		

Report Period (M/D/Y to M/D/Y)
5/1/15 to 5/31/15

Report Period Invoiced	Invoiced to Date
\$18,910.35	\$377,585.40

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Yaggi Engineering, Inc.	Electrical and Fire Alarm Consultant	\$0.00	\$18,333.15
Pacheco Koch	Survey, Civil Engineering and Landscape Architecture	\$0.00	\$60,067.09
PIC Printing	Reprographics	\$0.00	\$2,379.06
TOTALS:		\$0.00	\$80,779.30

HUB Participation %
0.00% 21.39%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Huckabee & Associates, Inc.	Invoice Date	6/2/2015
Phase/Bid Package:		Invoice No.	8
Project Name:	003 Lamar High School Multipurpose Activity Center		
Project Manager:	Chris Huckabee/Andre Brackens		

Report Period (M/D/Y to M/D/Y)
5/1/15 to 5/31/15

Report Period Invoiced	Invoiced to Date
\$18,910.35	\$380,163.08

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Yaggi Engineering, Inc.	Electrical and Fire Alarm Consultant	\$0.00	\$18,333.15
Pacheco Koch	Survey, Civil Engineering and Landscape Architecture	\$0.00	\$73,447.09
PIC Printing	Reprographics	\$0.00	\$1,986.74
TOTALS:		\$0.00	\$93,766.98

HUB Participation %
0.00% 24.66%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Huckabee & Associates, Inc.	Invoice Date	6/2/2015
Phase/Bid Package:		Invoice No.	8
Project Name:	005 Martin High School Multipurpose Activity Center		
Project Manager:	Chris Huckabee/Andre Brackens		

Report Period (M/D/Y to M/D/Y)
5/1/15 to 5/31/15

Report Period Invoiced	Invoiced to Date
\$18,905.60	\$386,314.72

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Yaggi Engineering, Inc.	Electrical and Fire Alarm Consultant	\$0.00	\$18,333.15
Pacheco Koch	Survey, Civil Engineering and Landscape Architecture	\$0.00	\$76,695.99
PIC Printing	Reprographics	\$0.00	\$1,986.73
TOTALS:		\$0.00	\$97,015.87

HUB Participation %	
0.00%	25.11%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Huckabee & Associates, Inc.	Invoice Date	6/2/2015
Phase/Bid Package:		Invoice No.	8
Project Name:	002 Sam Houston High School Multipurpose Activity Center		
Project Manager:	Chris Huckabee/Andre Brackens		

Report Period (M/D/Y to M/D/Y)
5/1/15 to 5/31/15

Report Period Invoiced	Invoiced to Date
\$18,861.60	\$385,648.91

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Yaggi Engineering, Inc.	Electrical and Fire Alarm Consultant	\$0.00	\$18,333.15
Pacheco Koch	Survey, Civil Engineering and Landscape Architecture	\$0.00	\$86,019.59
PIC Printing	Reprographics	\$0.00	\$1,986.73
TOTALS:		\$0.00	\$106,339.47

HUB Participation %
0.00% 27.57%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Huckabee & Associates, Inc.	Invoice Date	6/2/2015
Phase/Bid Package:		Invoice No.	8
Project Name:	009 Seguin High School Multipurpose Activity Center		
Project Manager:	Chris Huckabee/Andre Brackens		

Report Period (M/D/Y to M/D/Y)
5/1/15 to 5/31/15

Report Period Invoiced	Invoiced to Date
\$18,861.60	\$380,006.09

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Yaggi Engineering, Inc.	Electrical and Fire Alarm Consultant	\$0.00	\$18,333.15
Pacheco Koch	Survey, Civil Engineering and Landscape Architecture	\$0.00	\$73,378.87
PIC Printing	Reprographics	\$0.00	\$1,986.72
TOTALS:		\$0.00	\$93,698.74

HUB Participation %
0.00% 24.66%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	KAI Texas	Invoice Date	10/20/2015
Phase/Bid Package:	Phase 1 - Bid Pack 10	Invoice No.	985
Project Name:	Professional Development Center		
Project Manager:	Derwin Broughton		

Report Period 9/01/15 to 9/30/15

Report Period Invoiced	Invoiced to Date
\$2,774.59	\$18,497.24

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Pacheco Koch	Civil Engineer	\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
TOTALS:		\$0.00	\$0.00

HUB Participation %	
0.00%	0.00%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	LBL Architects, Inc.	Invoice Date	10-30-15
Phase/Bid Package:	2014 Bond Program Phase 2 / Bid Package 1	Invoice No.	825-06-15
Project Name:	Duff Elementary School		
Project Manager:	Tom McCarty		

Report Period (M/D/Y to M/D/Y)
09-01-15 to 10-30-15

Report Period Invoiced	Invoiced to Date
\$27,077.59	\$64,605.18

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Primera Design Associates, LLC	Pre-Design Site Studies	\$15,000.00	\$15,000.00
Primera Design Associates, LLC	Structural Engineering	\$3,000.00	\$3,000.00
Carrillo Engineering	Civil Engineering	\$0.00	\$0.00
Carrillo Engineering	Surveying	\$0.00	\$9,500.00
TOTALS:		\$18,000.00	\$27,500.00

HUB Participation %
66.48% 42.57%

Firm:	Natex Architects	Invoice Date:	31-Oct-15
Phase/Bid Package:	Phase #2 / Bid Pack #3	Invoice No.:	2
Project Name:	#10 Farrell Elementary		
Project Manager:	Tyler Boswell		

Report Period Invoiced	Invoiced to Date
\$12,431.07	\$24,862.14

HUB Participation %	
0.00%	0.00%

Firm:	Nalex Architects	Invoice Date:	31-Oct-15
Phase/Bid Package:	Phase #2 / Bid Pack #3	Invoice No.:	2
Project Name:	#10 Starrett Elementary		
Project Manager:	Tyler Boswell		

Report Period Invoiced	Invoiced to Date
\$12,450.53	\$24,901.05

HUB Participation %	
0.00%	0.00%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	KAI Texas	Invoice Date:	9/25/2015
Phase/Bid Package:	Phase 2 - Bid Package 4	Invoice No.:	988
Project Name:	Foster Elementary School		
Project Manager:	Derwin Broughton		

Report Period 8/1/2015 to 8/31/2015

Report Period Invoiced	Invoiced to Date
\$10,951.14	\$10,951.14

Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Consultant / Vendor Name	i.e. printing, consultant	\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
TOTALS:		\$0.00	\$0.00

HUB Participation %
0.00% 0.00%

Firm:	KA! Texas	Invoice Date:	9/25/2015
Phase/Bid Package:	Phase 2 - Bid Package 4	Invoice No.:	986
Project Name:	Moore Elementary School		
Project Manager:	Derwin Broughton		

Report Period Invoiced	Invoiced to Date
\$6,799.60	\$6,799.60

HUB Participation %	
0.00%	0.00%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	KAI Texas	Invoice Date:	9/25/2015
Phase/Bid Package:	Phase 2 - Bid Package 4	Invoice No.:	987
Project Name:	Wood Elementary School		
Project Manager:	Derwin Broughton		

Report Period 8/1/2015 to 8/31/2015
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Report Period Invoiced	Invoiced to Date
\$5,323.84	\$5,323.84

Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Consultant / Vendor Name	i.e. printing, consultant	\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
TOTALS:		\$0.00	\$0.00

HUB Participation %	
0.00%	0.00%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	LBL Architects, Inc.	Invoice Date	10-30-15
Phase/Bid Package:	2014 Bond Program Phase 2 / Bid Package 5	Invoice No.	831-06-15
Project Name:	Bebensee Elementary School		
Project Manager:	Tom McCarty		

Report Period (M/D/Y to M/D/Y)
09-01-15 to 10-30-15

Report Period Invoiced	Invoiced to Date
\$49,397.35	\$105,394.70

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Primera Design Associates, LLC	Pre-Design Site Studies	\$18,000.00	\$18,000.00
Primera Design Associates, LLC	Structural Engineering	\$5,000.00	\$5,000.00
Carrillo Engineering	Civil Engineering	\$0.00	\$0.00
Carrillo Engineering	Surveying	\$0.00	\$6,000.00
TOTALS:		\$23,000.00	\$29,000.00

HUB Participation %
46.56% 27.52%

Firm:	LBL Architects, Inc.	Invoice Date	10-30-15
Phase/Bid Package:	2014 Bond Program Phase 2 / Bid Package 5	Invoice No.	832-06-15
Project Name:	Fitzgerald Elementary School		
Project Manager:	Tom McCarty		

Report Period Invoiced	Invoiced to Date
\$47,928.12	\$103,336.24

HUB Participation %	
47.99%	28.84%

Firm:	LBL Architects, Inc.	Invoice Date	10-30-15
Phase/Bid Package:	2014 Bond Program Phase 2 / Bid Package 5	Invoice No.	833-06-15
Project Name:	Williams Elementary School		
Project Manager:	Tom McCarty		

Report Period Invoiced	Invoiced to Date
\$23,584.19	\$54,648.38

HUB Participation %	
59.36%	38.06%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	WRA Architects Inc.	Invoice Date	11/1/2015
Phase/Bid Package:	Phase 1 / Bid Pack 6	Invoice No.	5
Project Name:	Nichols Junior High School - PO 152100 Bid# 14-79		
Project Manager:	Mary O'Brien		

Report Period (M/D/Y to M/D/Y)
9/1 thru 10/31/2015

Report Period Invoiced	Invoiced to Date
\$35,737.81	\$89,344.52

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Estes McClure & Associates	MPE Consultant	\$0.00	\$0.00
Apex Roofing Technology	Roofing Consultant	\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
TOTALS:		\$0.00	\$0.00

HUB Participation %	
0.00%	0.00%

Firm:	WRA Architects Inc.	Invoice Date:	11/1/2015
Phase/Bid Package:	Phase 1 / Bid Pack 6	Invoice No.:	5
Project Name:	Turning Point Junior HS - PO 152102 Bid# 14-79		
Project Manager:	Mary O'Brien		

Report Period Invoiced	Invoiced to Date
\$12,416.58	\$31,041.44

HUB Participation %	
0.00%	0.00%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Corgan	Invoice Date	10/13/2015
Phase/Bid Package:	Phase# 2 - Bid Pack# 7	Invoice No.	14217.0000-10
Project Name:	Arlington High School		
Project Manager:	David Safir		

Report Period (9/01/15 to 9/30/15)

Report Period Invoiced	Invoiced to Date
\$10,386.59	\$62,319.52

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Glenn Engineering	Civil Engineering	\$0.00	\$0.00
Ponce-Fuess Engineering	Structural Engineering	\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
TOTALS:		\$0.00	\$0.00

HUB Participation %	
0.00%	0.00%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Corgan	Invoice Date	10/13/2015
Phase/Bid Package:	Phase# 2 - Bid Pack# 7	Invoice No.	14217.0000-11
Project Name:	Morton Elementary School		
Project Manager:	David Safir		

Report Period (9/01/15 to 9/30/15)

Report Period Invoiced	Invoiced to Date
\$4,370.96	\$26,225.79

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Glenn Engineering	Civil Engineering	\$0.00	\$0.00
Ponce-Fuess Engineering	Structural Engineering	\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
TOTALS:		\$0.00	\$0.00

HUB Participation %	
0.00%	0.00%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Corgan	Invoice Date	10/13/2015
Phase/Bid Package:	Phase# 2 - Bid Pack# 7	Invoice No.	14217.0000-12
Project Name:	South Davis Elementary School		
Project Manager:	David Safir		

Report Period (9/01/15 to 9/30/15)

Report Period Invoiced	Invoiced to Date
\$4,140.37	\$24,842.25

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Glenn Engineering	Civil Engineering	\$0.00	\$0.00
Ponce-Fuess Engineering	Structural Engineering	\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
		\$0.00	\$0.00
TOTALS:		\$0.00	\$0.00

HUB Participation %	
0.00%	0.00%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	HKS, INC.	Invoice Date	11/5/2015
Phase/Bid Package:	Phase 2/Bid Package 8	Invoice No.	4
Project Name:	Martin High School		
Project Manager:	Wayne Reynaud		

Report Period (M/D/Y to M/D/Y)
10/01/2015-10/30/2015

Report Period Invoiced	Invoiced to Date
\$93,535.28	\$226,729.74

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Pacheko Koch	Civil Engineering	\$0.00	\$9,144.00
AG & E	Structural Engineering	\$0.00	\$0.00
TOTALS:		\$0.00	\$9,144.00

HUB Participation %	
0.00%	4.03%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	HKS, INC.	Invoice Date	11/5/2015
Phase/Bid Package:	Phase 2/Bid Package 8	Invoice No.	4
Project Name:	Little Elementary School		
Project Manager:	Wayne Reynaud		

Report Period (M/D/Y to M/D/Y)
10/01/2015-10/31/2015

Report Period Invoiced	Invoiced to Date
\$16,937.44	\$39,730.13

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Pacheko Koch	Civil Engineering	\$90.50	\$362.00
AG & E	Structural Engineering	\$0.00	\$0.00
TOTALS:		\$90.50	\$362.00

HUB Participation %
0.53% 0.91%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	HKS, INC.	Invoice Date	11/5/2015
Phase/Bid Package:	Phase 2/Bid Package 8	Invoice No.	4
Project Name:	Miller Elementary School		
Project Manager:	Wayne Reynaud		

Report Period (M/D/Y to M/D/Y)
10/01/2015-10/31/2015

Report Period Invoiced	Invoiced to Date
\$25,769.36	\$62,954.14

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Pacheko Koch	Civil Engineering	\$251.30	\$1,006.00
AG & E	Structural Engineering	\$0.00	\$0.00
TOTALS:		\$251.30	\$1,006.00

HUB Participation %	
0.98%	1.60%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Huckabee & Associates, Inc.	Invoice Date	8/31/2015
Phase/Bid Package:		Invoice No.	2
Project Name:	002 Sam Houston High School Additions and Renovations		
Project Manager:	Chris Huckabee/Andre Brackens		

Report Period (M/D/Y to M/D/Y)
8/1/15 to 8/31/15

Report Period Invoiced	Invoiced to Date
\$38,489.28	\$51,319.04

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Yaggi Engineering, Inc.	Electrical and Fire Alarm Consultant	\$0.00	\$0.00
Pacheco Koch	Survey, Civil Engineering and Landscape Architecture	\$0.00	\$0.00
PIC Printing	Reprographics	\$0.00	\$0.00
TOTALS:		\$0.00	\$0.00

HUB Participation %
0.00%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Huckabee & Associates, Inc.	Invoice Date	Revised 10/26/2015
Phase/Bid Package:		Invoice No.	3
Project Name:	150 Crouch Elementary School Renovations		
Project Manager:	Chris Huckabee/Andre Brackens		

Report Period (M/D/Y to M/D/Y)
9/1/15 to 9/30/15

Report Period Invoiced	Invoiced to Date
\$22,285.92	\$31,837.03

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Yaggi Engineering, Inc.	Electrical and Fire Alarm Consultant	\$0.00	\$0.00
Pacheco Koch	Survey, Civil Engineering and Landscape Architecture	\$0.00	\$0.00
PIC Printing	Reprographics	\$0.00	\$0.00
TOTALS:		\$0.00	\$0.00

HUB Participation %	
0.00%	0.00%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Huckabee & Associates, Inc.	Invoice Date	Revised 10/26/2015
Phase/Bid Package:		Invoice No.	3
Project Name:	157 Knox Elementary School Renovations		
Project Manager:	Chris Huckabee/Andre Brackens		

Report Period (M/D/Y to M/D/Y)
9/1/15 to 9/30/15

Report Period Invoiced	Invoiced to Date
\$36,805.75	\$52,579.64

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Yaggi Engineering, Inc.	Electrical and Fire Alarm Consultant	\$0.00	\$0.00
Pacheco Koch	Survey, Civil Engineering and Landscape Architecture	\$0.00	\$0.00
PIC Printing	Reprographics	\$0.00	\$0.00
TOTALS:		\$0.00	\$0.00

HUB Participation %	
0.00%	0.00%



HISTORICALLY UNDERUTILIZED BUSINESS (HUB) EXPENDITURE REPORT

Firm:	Huckabee & Associates, Inc.	Invoice Date	Revised 10/26/15
Phase/Bid Package:		Invoice No.	3
Project Name:	114 Thorton Elementary School Renovations		
Project Manager:	Chris Huckabee/Andre Brackens		

Report Period (M/D/Y to M/D/Y)
9/1/15 to 9/30/15

Report Period Invoiced	Invoiced to Date
\$32,723.84	\$46,748.34

HUB Vendor Information (Tier II Spend)			
Consultant / Vendor Name	Service Performed	Reporting Period Spend	Spend to Date
Yaggi Engineering, Inc.	Electrical and Fire Alarm Consultant	\$0.00	\$0.00
Pacheco Koch	Survey, Civil Engineering and Landscape Architecture	\$0.00	\$0.00
PIC Printing	Reprographics	\$0.00	\$0.00
TOTALS:		\$0.00	\$0.00

HUB Participation %	
0.00%	0.00%

ELEMENTARY STEM LAB PRESENTATION



STEM

Arlington ISD

Danielle Reynolds, M.Ed.
K-12 Science/Health Coordinator

Topics

- an overview of the design of the elementary STEM labs
- curriculum supports and professional learning related to the labs
- an overview of how teachers will use the labs
- staffing of TAs to support the labs
- impact STEM instruction at the elementary level as students move into the secondary level

Innovation in Elementary STEM Labs

Committee members: 25 AISD staff members including teachers, lab managers, instructional coaches, campus administrators, district administrators, technology staff, curriculum staff, and building services

Committee Meeting Dates: December 17, 2014 and January 14, 2015

Board Presentation: April 16, 2015

Successful Elementary STEM School Characteristics

- ★ Strong leadership
- ★ Professional capacity among teachers
- ★ Strong ties to parents and community members
- ★ A student-centered learning environment
- ★ Instructional guidance for teachers

Hanover Research (2012). Best practices in elementary STEM programs. Retrieved December 9 , 2014, from http://school.elps.k12.mi.us/ad_hoc_mms/committee_recommendation/4.pdf

Laboratory Spaces: Traditional vs. STEM

Professional Learning is essential in transforming the traditional Science laboratories into STEM labs.



Design of the Elementary STEM Labs

- Spaces side by side, with shared storage between the spaces with access on both sides
- Lab square footage – minimum of 1000 square feet to maximum of 1200 square feet
- Storage square footage - minimum of 200 square feet to a maximum of 250 square feet
- Wide open doorway between the two lab rooms
- Consider windows that allow for visibility from hallway

Design of the Elementary STEM Labs

- Student tables/desks should have options for multiple configurations, easy to move, such as 48" x 60" Bell shaped
- Work surfaces need to be non-porous and stain resistant
- Student washing station for multiple use (Bradley fountain sink)
- Teacher sink that is deep with hot/cold water, sand trap, and not sensor activated
- One open wall space for ceiling mounted, short throw, interactive projector and whiteboard

Systemic Change - Professional Learning

*Educators need "more than 80 hours of high quality professional development over a two-year period to **change their practice** and 160 hours of focused professional development over a three-year period to **change the culture**."*

Supovitz, J., & Turner, H. (2000). The effects of professional development on science teaching practices and classroom culture. *Journal of Research in Science Teaching*, 37(9), 963-980.

Systemic Change - It's not just the new space

- ★ Shifting teachers' pedagogy
- ★ Emphasis on student's discovery skills rather than teacher's delivery skills
- ★ Tolerance for risk
- ★ Fostering reliance in teachers and students
- ★ Allow for multiple iterations for improvement
- ★ Developing future ready students



Implementation Timeline for Professional Learning

	Year	# of Schools
Patrick & Adams	2015-2016	2
Bond Phase I	June 2016	4
	January 2017	14
	February 2017	2
Bond Phase 2	March 2017	15
Bond Phase 3	February 2018	9
	March 2018	8
TOTAL		54

Professional Learning - Patrick and Adams

Administrators:

Leading the STEM Transformation
August 2015

Campus & Community:

STEM Family Night
Spring 2016

Teachers, Instructional Staff:

Day 1 - Getting Started with STEM,
August 2015

Day 2 - Centers Based Teaching and
Learning, September 2015

Day 3 - Maximizing Student Engagement,
November 2015

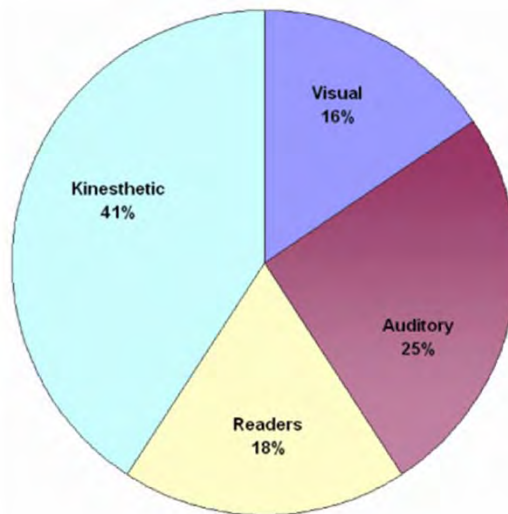
8 additional support days - coaching,
planning, co-teaching with specialist

Curriculum Supports for STEM

“Without adopting inquiry-based, student-centered, skill-driven approaches to teaching and learning -- all nested in a system that values innovation -- STEM education will become just another term for additional math and engineering courses”.

Markham, T. (2011, March 7). Strategies for embedding Project-Based Learning into STEM education. Retrieved February 15, 2015, from <http://www.edutopia.org/blog/strategies-pbl-stem-thom-markham-buck-institute>.

Preferred Method of Learning - VARK Model



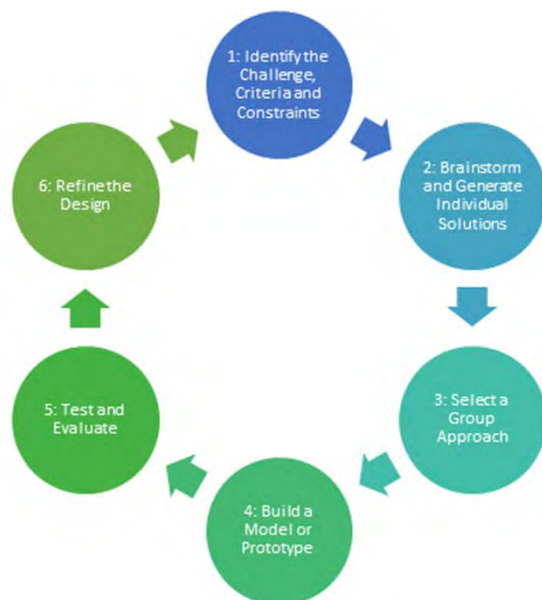
Curriculum Supports for STEM

2015-2016: Development of a minimum of 4 STEM lessons (varying in length) for grades 5 & 6

2016-2017: Development of a minimum of 4 STEM lessons (varying in length) for grades 3 & 4 and further potential development of additional STEM lessons for grades 5 & 6

2017-2018: Development of a minimum of 3 STEM lessons (varying in length) for grades K-2 and further potential development of additional STEM lessons for grades 3 & 4

Master Challenge - STEM Quarterly Lesson I



Grade 6 STEM Challenge - Quarterly Lesson I

Part 1: Engineers Wanted

You are currently an apprentice as an Materials Engineer. In order to receive the Master Challenge and earn the official title of Materials Engineer, you must complete multiple levels of Math and Science exercises. You need to complete the exercises on the Discovery Education site and have your teacher initial that you have completed each level.

Part 2: Master Challenge

Research, design, create and test a solar cooker out of basic household materials that will raise the temperature of 50 mL of water in a glass container by at least 5 degrees Celsius.

Grade 5 STEM Challenge - Quarterly Lesson 1

Part 1: Engineers Wanted

You are currently an apprentice as an Electrical Engineer. In order to receive the Master Challenge and earn the official title of Electrical Engineer, you must complete multiple levels of Math and Science exercises. You need to complete the exercises on the Discovery Education site and have your teacher initial that you have completed each level.

Part 2: Master Challenge

Design, build and test a flashlight with the brightest possible light from limited materials in order to explain how an electrical circuit works and the energy transformations taking place.

Context and Application - STEM Quarterly Lesson 2

What is the relationship between math and science?

- ★ Math is the language of science. The students process the science content through the use of a mathematical skill.
- ★ Science is the context for math. It is the real-life application.

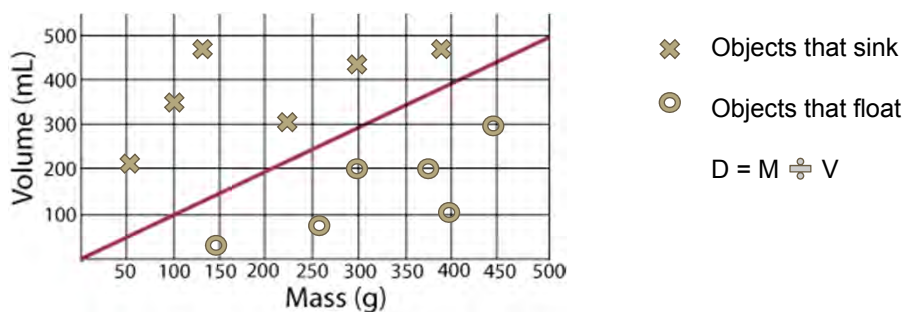
“Contextual teaching and learning enables students to connect the content of academic subjects with the immediate context of their daily lives to discover meaning.”

Johnson, E. B. (2002). p. 24 *Contextual teaching and learning: what it is and why it's here to stay*. Thousand Oaks, CA: Corwin Press, Inc.

Grade 6 STEM Challenge - Quarterly Lesson 2

Math	Science
Unit 4 - Proportionality Unit 5 - Number Line & Coordinate Plane	Unit 4 - Physical Properties of Matter

Curriculum Intersection Point:



Grade 5 STEM Challenge - Quarterly Lesson 2

Math	Science
Unit 5 - Coordinate Plane & Number Patterns Unit 6 - Representing Data	Unit 3 - Natural World Patterns

Curriculum Intersection Points:

- First quadrant graphing & Input/Output tables using shadows of a sundial
- Additive and Multiplicative numerical patterns using tide data
- Representing weather data on dot plots and stem-and-leaf plots

Use of the STEM Laboratories

1. Critical thinking by students is evident across all curricular areas
 - 0 develop skills they will need all of their lives
 - 0 learn to cope with problems that may not have clear solutions
 - 0 deal with changes and challenges to develop understandings
 - 0 shape their search for solutions, now and in the future
2. STEM Lab schedules show explicit efforts of utilization
3. Student STEM projects are displayed/shared
4. Opportunities for students to engage in STEM lab experiences

Standards and Expectations for Elementary STEM Lab Use

Criteria	Sustaining (Highest level)
Frequency of STEM lab use	Lab is used 75-85% of the school day and after school.
STEM focus	Over 75% of teachers regularly make explicit efforts to integrate science, technology, Engineering and math, requiring students to organize knowledge across disciplines, in the STEM lab.
Independent Science or Mathematics Usage	Lab is used appropriately to support curriculum in science and mathematics that requires a larger collaborative space or specific equipment needs.

Staffing for the Elementary STEM Labs

JOB TITLE: Elementary STEM Lab Manager

PAY GRADE: EA3

ROLE AND PURPOSE: Assist the campus in scheduling and operation of the STEM lab rooms to maximize use of high-quality collaborative lessons.

MAJOR RESPONSIBILITIES AND DUTIES:

I. Manage use of STEM laboratory rooms

- A. Maintain a log of laboratory activities by teacher, grade, and lesson for each laboratory room
- B. Ensure that the layout of the laboratory space is appropriate for the lesson
- C. Effectively communicate with staff members the availability for the laboratory rooms

II. Maintain Laboratory equipment and storeroom

- A. Set up equipment for each lesson as necessary
- B. Assist teacher with lesson where appropriate
- C. Break down and clean up laboratory rooms between lessons
- D. Ensure that technology equipment is charged and in proper working order
- E. Maintain an organized store room in compliance with any safety regulations
- F. Check out and monitor equipment for use in the classroom

Secondary STEM Opportunities

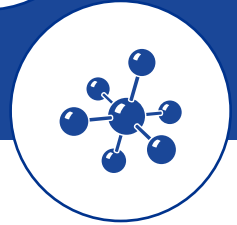
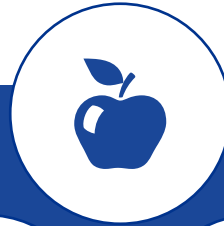
- ★ Dual credit courses at TCC and UTA
- ★ GM Green Partnership with Grade 7 Science students
- ★ CTE Internships
- ★ Robotics Clubs
- ★ STEM Education Awareness Week
- ★ STEM Endorsement - Foundation High School Graduation Plan
- ★ STEM Academy at Martin High School - application process

Future Impacts of STEM

Class of 2018 - 5 Endorsements for Foundation Graduation Plan

- 1. STEM** • Science, Technology-including computer science, Engineering, and advanced Math
- 2. Public Services** • Health science and occupations, education, law enforcement, culinary arts, hospitality
- 3. Business and Industry** • Information technology, database management, marketing, accounting, finance, graphic design, construction, welding, automotive technology, and agriculture
- 4. Arts and Humanities** • Political science, literature, world languages, cultural studies, history, and fine arts
- 5. Multidisciplinary Studies** • This endorsement provides students the opportunity to take a variety of courses from each of the other four endorsement areas.

Questions?



Educational Adequacy Assessment & Building Condition Assessment

Educational Adequacy Assessment Standards

JANUARY 2014



Prepared by:
JACOBS
777 Main Street
Fort Worth, Texas 76102

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Introduction

This document represents guidelines that will be used by the educational adequacy assessment team to evaluate educational adequacy in Arlington Independent School District (AISD). These guidelines were developed through a series of meetings with district personnel including administrators, teachers, and other curriculum leaders. Existing Jacobs guidelines from previous experience with other large school districts were used as the starting point.

The standards have been categorized into eight criteria. These eight criteria form the basis of analysis to determine a weighted Educational Suitability Score (ESS) for each school. Figure 1 shows the criteria weighting based on district-wide facilities preferences.

The following pages outline standards within the eight categories listed above that will be used to evaluate educational adequacy at AISD. These standards may also be used as a foundation for future construction and renovation projects throughout the district.

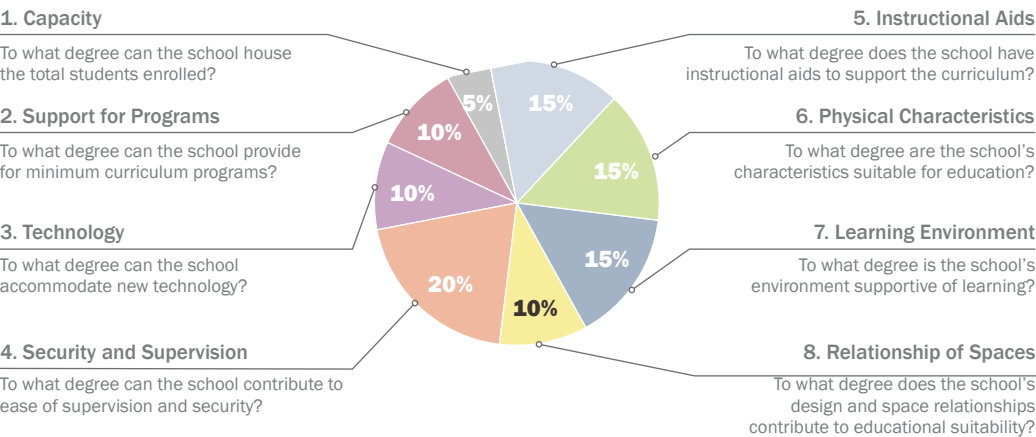


Figure 1: Criteria for Educational Adequacy

1. Capacity

School capacity is one of the primary criteria in the educational suitability analysis. As schools become overcrowded, the infrastructure is strained, scheduling becomes difficult, and students, teachers, and administrators alike suffer the consequences. Capacity measures the ability of the physical plant to house the number of students currently enrolled at the school. The task of the facility evaluation team is to determine the ability of the existing physical plant to house the number of students currently enrolled. The criteria used to determine the effects of overcrowding include:

1. The number of student stations that should be housed in classrooms (using standards for both floor area per student and number of students per classroom) compared to actual enrollment;
2. The capacity of core facilities compared with actual enrollment;
3. The amount of school functions housed in temporary/portable buildings;
4. The size of the media center, student dining and other core support spaces;
5. The amount of gross site area; and
6. Availability of parking.

The following standards are used to calculate the capacity of each school based on its school type.

TARGET ENROLLMENT

Total target enrollment is given for each school type:

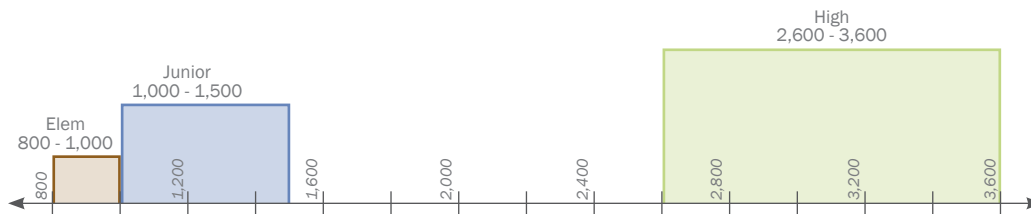


Figure 2: Target Enrollment for AISD Schools by Type

CORE CAPACITY

Size of the student dining area in relation to student capacity. (These areas are derived from the area programs at the end of this document.):

Table 1: Student Dining and Food Preparation Capacity

SIZE	ELEMENTARY (K-6)	JUNIOR (7-8)	HIGH (9-12)
Student Dining	5,950 sf	6,000 sf	8,000 sf
Food Preparation	3,350 sf	5,720 sf	11,340 sf
Total	9,300 sf	11,720 sf	19,340 sf

The total toilet area in relation to student capacity, excluding toilet facilities that are integral to classroom spaces and locker areas in gymnasium spaces, is considered to be included in the net-to-gross calculation and is not separately calculated.



ADMINISTRATIVE SUPPORT SPACE

Square foot of administration space per student enrolled is shown in Figure 3.

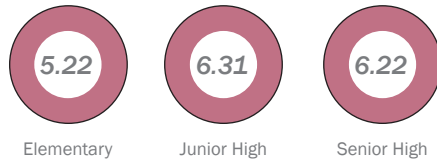


Figure 3: Gross Area per Student of Administrative Space

INSTRUCTIONAL CAPACITY

Square foot of instructional space per student enrolled is shown in Figure 4.

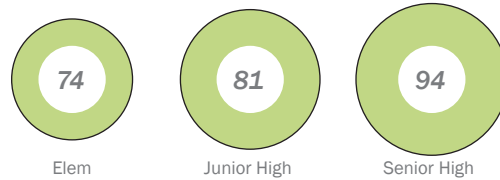


Figure 4: Gross Area per Student of Instructional Space

The desired students per classroom ratio is shown in Figure 5.

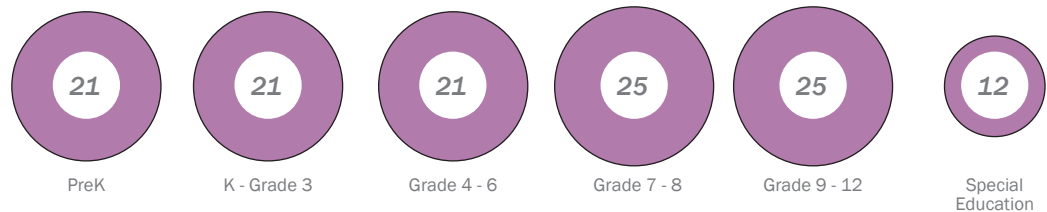


Figure 5: Students per Classroom per Class Type

MEDIA CENTER CAPACITY

Standard size of the media center. Size adjusted per enrollment (all school types):

- Elementary 6,125 sf
- Junior High 6,000 sf
- Senior High 12,150 sf

TARGET SITE SIZE IN ACRES

Based on an average of existing site areas:

- Elementary 10-14 Acres
- Junior High 25-35 Acres
- Senior High 50-75 Acres

PARKING CAPACITY

Neighborhood schools are designed to decrease the need for automobile traffic and encourage alternative modes of transportation, including bicycles and walking. Parking needs will be analyzed at each individual location and will seek to minimize need. When parking is required, local codes will be followed. Where codes do not provide adequate guidance, the following guidelines will be used.

- Amount of parking based upon student enrollment:
 - » Elementary and Middle School Parking 5 spaces per classroom
 - » High School Parking 4 spaces per classroom plus 1 space for every 2 students

An additional 15% of parking spaces should be added to facilities with high Exceptional Student Education enrollment to accommodate additional staff and itinerant agencies staff.

2. Support for Programs

Each school should have the ability to provide the facility support for minimum programs as determined by AISD. The minimum programs are those basic to the district-wide standard school curriculum. The minimum programs do include a rigorous language, math, and science curriculum, as well as visual and creative art, music, and the use of technology as part of the instructional curriculum. The curriculum will also include physical education to meet the increasing national requirements, providing a gymnasium at each campus.

Flexible use of the space will be a critical area of design for all grade levels. Schools will use smaller areas for individual instruction and, where possible, common areas will be included near the classroom areas. The school space programs will also include dedicated areas for language labs, testing labs, and technology labs. Dedicated science classrooms will be included at all schools and designed for appropriate grade level instruction. Designs for modernized schools should address needs for students as well as professionals, providing office areas, conference, and meeting space.

High schools will be offering a broad curriculum, some of which may be structured as schools within schools. Again, flexibility to change and adapt facilities to meet the instructional demand will be a critical design component. High school instructional spaces will include classrooms, small group areas, presentation areas, performance areas, and larger lecture spaces. Each school will have a career and technical center where students can learn about post-graduation careers or conduct research on colleges and continuing education opportunities.

Table 3 on the following page includes minimum instructional spaces required to meet AISD standards for each educational program. Certain programs have a preferred location in permanent buildings. See the space lists starting on page 18 for a more detailed accounting of spaces for each grade configuration.



Table 3: Minimum Instruction Space Standards

Target Requirements Space Description	Elementary			Junior High			Senior High			Pref Perm
	Qty	Net Area SF	Student Count	Qty	Net Area SF	Student Count	Qty	Net Area SF	Student Count	
Academic Core Spaces										
Pre-K Classroom with Toilets	5	900	21							Yes
Kindergarten Classroom	6	900	21							Yes
Primary Classroom (1-4)	20	800	21							
Intermediate Classroom (5-6)	10	850	21							
Junior High Classroom				25	900	25				
Senior High Classroom							46	900	25	
Foreign Language/Multi-Lingual Laboratory							10	900	25	
Computer Laboratory	-	900	-	-	600	25	9	900	25	Yes
Science Demonstration Classroom	2	900	-							Yes
General Science Laboratory				6	1,200	25	9	1,400	25	Yes
Biology Laboratory							-	1,400	25	Yes
Physics Laboratory							-	1,400	25	Yes
Chemistry/Physical Science Laboratory							8	1,400	25	Yes
Multi-Use/Cluster Space ES	-	900	-							Yes
Special Education Classes										
Self-Contained Classroom (PPCD)	2	900	15				-	900	15	Yes
Self-Contained Classroom (Behavioral)	-	1,200	12				-	1,200	12	Yes
Severely Disabled (F.L.I.T.E.)				3	1,400	10	3	1,400	10	Yes
ARD/Resource Room				1	300	-	1	300	-	Yes
Art Classrooms and Labs										
Art Room	1	900	-	2	1,200	25	2	1,200	25	Yes
Art Technology Lab							-	1,200	25	Yes
Music										
Music Room	2	1,200	-							Yes
Vocal Rehearsal Hall	2	1,200	-	1	1,500	55	1	2,000	100	Yes
Band Rehearsal Hall				1	1,800	75	1	4,500	150	Yes
Orchestra Rehearsal Hall				1	1,500	40	1	3,500	75	Yes
Ensemble				2	350	-	2	350	-	Yes
Career and Technical Education										
Materials and Methods Lab				-	1,200	25				Yes
Life Center 21 (FCS)				-	1,400	25				Yes
Consumer (FCS)				-	1,300	25				Yes
Kitchen/Food Prep (FCS)				-	1,800	25	1	1,800	25	Yes
Business Education Laboratory							10	1,200	25	Yes
Criminal Justice Laboratory							-	1,500	25	Yes
Industrial Shop Laboratory							2	3,600	25	Yes
Cosmetology Laboratory							-	1,800	25	Yes
Health Occupations Education Laboratory							1	3,000	25	Yes
Agricultural Education Laboratory							1	3,600	25	Yes
Classroom (Related to Lab Instruction)				-	900	-	-	900	-	Yes
Gymnasium/Multi-Purpose/Pool										
Gymnasium, High School	1	4,000	-	1	8,500	50	1	12,000	50	Yes
Gymnasium, Auxiliary				1	7,500	-	3	7,500	-	Yes
Weight Room				2	2,500	-	2	2,500	-	Yes
Health Classroom							1	900	25	Yes
Dance/Aerobics				1	1,500	55	1	1,500	25	Yes
Auditorium & Performing Arts										
Auditorium / Assembly							1	4,500	-	Yes
Small Auditorium/Little Theatre							-	3,000	25	Yes
Drama Classroom / Black Box Theater							1	3,500	25	Yes
Media Centers and Libraries										
Library/Media Center (Reading/Stacks/Story Area)	1	4,500	-	1	4,500	-	1	4,500	-	Yes

3. Technology

The degree to which a particular school can accommodate technology can be measured by evaluating the infrastructure supporting classrooms, laboratories, and office access via the campus local area network. The objective for technology at AISD will be to support the digitally native learning styles of today's students. This will include both wired and wireless access to computing technology. While technology is continuously changing and improving, the approach will be to provide a minimum technology package for each instructional space. The following standards will be used to define technology infrastructure at each school:

- Each campus will accommodate wireless data communication throughout the facility.
- Each campus will feature dedicated computer labs for group instruction.
- Each classroom will have a classroom switch or data drops for computer connections.
- Each classroom (any space with the potential for student instruction) will be equipped with:
 - » Fixed ceiling-mounted projector
 - » Interactive white board
 - » Wireless access
 - » Audio Enhancement

Room-by-room technology requirements are shown in the Room Design Guidelines listed in Table 7 on pages 14-17.



4. Security and Supervision

The degree to which a school's facilities contribute to the ease of security and supervision is an indicator of educational suitability. Children should be safe from unauthorized campus visitors and should be easily supervised. There are three levels of supervision and security: the site, the building, and the room.

SITE LEVEL MINIMUM ADEQUACY

Each site location should have the following attributes:

- Buffered playground areas
- Secure courtyards
- Fenced special hazards and services
- Visibility of parking area
- Site security lighting
- Natural surveillance from outside and inside building
- Bus lanes adjacent to the building
- Onsite parent drop-off
- Segregated bus drop-off



BUILDING LEVEL MINIMUM ADEQUACY.

Each building should have the following attributes:

- Simple building configuration that requires a minimum of entrances, corridors, and supervision points. As the number of these elements increase with the complexity of the building configuration, the greater the need for supervision and the greater the security concern.
- A secure front entrance/waiting area. The space will allow for controlled entry during school lockdown.
- Minimal exterior corridor use that is limited to less than 15% of total circulation space. All railings should be open so that they can be supervised. Each building will have an electronic card key access management system with card key access to at least two exterior doors.
- Each school will also have a well-zoned alarm system with ground floor coverage and motion

sensors (outside entries, motion detection, stairwells, offices, and equipment areas). Digital security cameras and associated digital video recorders will be located at the middle and high schools, and may be provided at schools where visibility at the entries is difficult to monitor. Public address system will support all building spaces.

ROOM LEVEL MINIMUM ADEQUACY

Each classroom should have the following attributes:

- Public announcement system and a telephone
- Classroom locking hardware and vision panels in the doors (PK-12)
- Unobstructed views throughout the instructional space
- Master shut-off control valves for utilities in appropriate laboratories and shops
- Eye wash and dousing shower in laboratories or chemical areas
- Exhaust systems in chemistry labs, kiln rooms, automotive and industrial shops

Additionally, tamper-proof lighting that is either keyed or emergency equipped should be provided in the cafeteria, gymnasium, and media center as well as any space with a large occupancy rating.



5. Instructional Aids

Each classroom within the school shall have instructional aids available to support the curriculum or subjects taught in that classroom. These resources are considered a minimum AISD guidelines for the respective classroom type.

Refer to the room-by-room instructional aids requirements shown in the Room Design Guidelines on pages 14-17 for specific requirements for instructional aids.



6. Physical Characteristics

The physical characteristics of a facility either enhance or detract from the educational suitability of a school. These characteristics are assessed at both the room level and the building level.

At the room level, each classroom should meet each of three criteria: area, aspect ratio, and ceiling height. The overall area of each classroom should meet or exceed the minimum guidelines listed in Table 4 with a 15% buffer for small variances. The aspect ratio of a classroom (the longest side of a room divided by the shortest side) should fall within 20% of the guideline seen in Table 5. Finally, the ceiling height should conform to the guideline for the room type as seen in Table 6.

At the building level, the assessment evaluates the number of floors and further considers the number of corridors, the extent of exterior corridors, and whether the interior corridors meet a minimum width. The following guidelines will be used in evaluating the physical characteristics of each school:

ROOM CHARACTERISTICS

Table 4: Classroom Area Guideline

GRADE	PARAMETER	MIN. AREA/STUDENT	SIZE
PreK-K	21 Students	57 SF/Student	1,200 SF
Grade K	21 Students	43 SF/Student	900 SF
Grade1 through Grade 4	21 Students	43 SF/Student	900 SF
Grade 5 through Grade 6	21 Students	43 SF/Student	900 SF
Grade 7 through Grade 8	25 Students	36 SF/Student	900 SF
Grade 9 through Grade 12	25 Students	36 SF/Student	900 SF
Special Education	12 Students	100 SF/Student	1,200 SF

Table 5: Classroom Aspect Ratio Guideline

CLASSROOM	ASPECT RATIO
Classrooms	1.2 to 1.5
Laboratories	1.4 to 1.75

Table 6: Minimum Ceiling Height Guideline

GRADE	CEILING HEIGHT
Pre-K through Grade 5	9 feet
Grades 6 through 12	9 feet
Shops and Laboratories	10 feet
Music, Band, and Orchestra Rooms	20 to 25 feet
Student Dining	16 feet
Gymnasium	25 feet

BUILDING CHARACTERISTICS

While there is no guideline for a maximum number of floors, the desired standard is three or less, and if there is more than one floor, there must be an elevator. Each main hallway should have a minimum width of 10 feet with a minimum of 8 feet for all other corridors.

7. Learning Environment

The environment in the classroom is an important part of the learning experience. There are a number of criteria which can be objectively measured against minimum guidelines for each room. The elements include lighting adjustability, the ability to control day light, and the flooring material. Additionally, each room should have adequate climate control and should be free from noise and odors. Elementary primary grades should have a carpeted gathering area.

The guidelines for each classroom type are listed on the room-by-room learning environment requirements shown in the Room Design Guidelines on pages 14-17.

Schools will have sprinklers for fire protection to meet the codes applicable to AISD.





8. Relationship of Spaces

The design of a school and the relationship of major support spaces within that design contribute to the overall educational suitability of a campus. The location of the media center can be either central (favored) or non-central; the location of student dining can be central, offset (favored), or remote; and the location of the main office should be easy to access. The degree of ease in accessing the front door of the school should also be considered.

In buildings where the configuration is complex, way finding can help in location and access of spaces and make the facility easier to understand for students, teachers, and visitors. Schools should have way finding signage, or the building design should be so intuitive that way finding signage is not required. Schools should also have room identification signage in place, and that signage should meet the Americans with Disabilities Act standard and include both the room number and name.

The following guidelines will be used in evaluating the relationship of spaces in each school:

- The media center should be located central to the school.
- Student dining and the gymnasium should be located offset from main school activities.
- The administration area should be easily accessible at the main entrance.
- Schools should have way finding systems and should have signage that includes the following:
 - » Room Name (Pre-K maximum height 42"; all else 60")
 - » Room Number
 - » Braille
 - » Raised Letters
- Capacity signage should be posted for rooms with occupancy over 50.
- The school should have a proper marquee, and it should be in good condition.
- Pre-K through 2nd grade classrooms as well as Special Needs Life Skills classrooms should be located on the first floor; unless the building is fully sprinklered and then these rooms can be on the first or second level.

Additionally, the school should have means to secure the facility in a way that allows after-hours community usage. The school should, at a minimum, have:

- The ability to zone or close areas of the school using doors or other devices to prevent unauthorized access.
- Accessibility to food service areas if the facility is to be used for emergency purposes.
- Accessibility after zoning to core service areas including the media center, the gymnasium, and the auditorium.
- Access to music rooms after hours, including accessibility to the bus drop-off for loading and unloading at the secondary schools.
- Clear patterns of egress and ingress to authorized areas, to include outside vehicle traffic at school-site curbs.

Room Design Guidelines

The following pages show guidelines for individual room types. Guidelines are shown for each room type used for instructional learning and include Capacity (Section 1), Support for Programs (Section 2), Technology (Section 3), Safety and Supervision (Section 4), Instructional Aids (Section 5), Physical Characteristics (Section 6), and Learning Environment (Section 7). Relationship of Spaces does not apply at a room level, and therefore, Section 8 has been omitted.

Table 7: Room Design Guidelines

		(1) Capacity			(2)	(3) Technology										(4) Safety & Supervision													
		Grade	District Capacity	SF Per Student		Electrical Outlets	Wireless Network	Dataports	Dataport Accessibility	Interactive Whiteboard	Fixed Projector	Audio Enhancement	Media Controller	PA System	VOIP Phone	Tamper-proof Light	Door Locks	Vision Panel	Fume Hood	Exhaust System	Master Shut-off	Eye Wash						Emergency Shower	
Code	Lookup Design Description																												
001	Pre-K Classroom with Toilets	(P)	21	41	✓	14	✓	4	✓	20	1	✓	1	✓	✓		✓	✓											-
002	Kindergarten Classroom	(K)	21	41	✓	14	✓	4	✓	20	1	✓	1	✓	✓		✓	✓											-
003	Primary Classroom (1-4)	(1-2)	21	41	✓	14	✓	4	✓	20	1	✓	1	✓	✓		✓	✓											-
004	Intermediate Classroom (5-6)	(3-5)	21	36	✓	14	✓	4	✓	20	1	✓	1	✓	✓		✓	✓											-
005	Resource Room ES	(K-6)	-	90	✓	8	✓	3	✓	20	1		1	✓	✓		✓	✓											-
006	Technology Laboratory, Classroom	(K-6)	-	41	✓	60	✓	32	✓	20	1	✓	1	✓	✓		✓	✓											-
010	6th Grade Classroom	6	25	30	✓	14	✓	4	✓	20	1		1	✓	✓		✓	✓											-
011	Art Room	(K-6)	-	49	✓	24	✓	2	✓	20	1	✓	1	✓	✓		✓	✓	✓										-
012	Music Room	(K-6)	-	49	✓	18	✓	4	✓	20	1	✓	1	✓	✓		✓	✓											-
016	Science Classroom	(K-6)	-	41	✓	40	✓	3	✓	20	1	✓	1	✓	✓		✓	✓		✓		✓						-	✓
109	Multi-Purpose Room	(K-12)	-	70	✓	12	✓	5	✓	-	-	✓	-	✓	✓		✓	✓										-	
110	Gymnasium, Elementary	(K-8)	-	51	✓	12	✓	1		-	-	✓	-	✓		✓	✓	✓										-	
020	Junior High Classroom	(7-8)	25	32	✓	24	✓	4	✓	20	1	✓	1	✓	✓		✓	✓											-
021	Resource Room JHS	(7-8)	-	90	✓	8	✓	3	✓	20	1	✓	1	✓	✓		✓	✓											-
022	Computer Laboratory	(7-8)	25	36	✓	60	✓	32	✓	20	1	✓	1	✓	✓		✓	✓											-
023	Materials and Methods Lab	(7-8)	25	60	✓	40	✓	8	✓	20	1	✓	1	✓	✓		✓	✓		✓	✓	✓		✓		✓			-
027	Science Demonstration Classroom	(7-8)	25	43	✓	40	✓	5	✓	20	1	✓	1	✓	✓		✓	✓		✓	✓	✓		✓				-	
028	General Science Laboratory	(7-8)	25	43	✓	40	✓	5	✓	20	1	✓	1	✓	✓		✓	✓	✓	✓	✓	✓		✓		✓	✓	-	✓
029	Art Classroom JHS	(7-8)	25	48	✓	24	✓	3	✓	20	1	✓	1	✓	✓		✓	✓										-	
072	Vocal Rehearsal Hall JHS	(7-8)	55	20	✓	20	✓	4	✓	20	1	✓	1	✓	✓		✓	✓										-	
073	Band Rehearsal Hall JHS	(7-8)	75	33	✓	20	✓	4	✓	20	1	✓	1	✓	✓		✓	✓										-	
074	Orchestra Rehearsal Hall JHS	(7-8)	40	28	✓	20	✓	4	✓	20	1	✓	1	✓	✓		✓	✓										-	
111	Gymnasium, Junior High School	(7-8)	50	108	✓	16	✓	1	✓	-	-	✓	-	✓		✓	✓	✓										-	
035	Senior High Classroom	(9-12)	25	32	✓	24	✓	4	✓	20	1	✓	1	✓	✓		✓	✓											-
036	Resource Room HS	(9-12)	-	90	✓	8	✓	3	✓	20	1		1	✓	✓		✓	✓											-
037	Computer Laboratory	(9-12)	25	40	✓	60	✓	32	✓	20	1	✓	1	✓	✓		✓	✓											-
038	Foreign Language/Multi-Lingual Laboratory	(9-12)	25	48	✓	18	✓	8		20	1	✓	1	✓	✓		✓	✓											-
042	Science Demonstration Classroom HS	(9-12)	25	28	✓	24	✓	5	✓	20	1	✓	1	✓	✓		✓	✓										-	
043	General Science Laboratory HS	(9-12)	25	48	✓	40	✓	5	✓	20	1	✓	1	✓	✓		✓	✓	✓	✓	✓	✓		✓		✓	✓	-	✓
044	Biology Laboratory	(9-12)	25	40	✓	40	✓	5	✓	20	1	✓	1	✓	✓		✓	✓	✓	✓	✓	✓		✓		✓	✓	-	✓
045	Physics Laboratory	(9-12)	25	40	✓	40	✓	5	✓	20	1	✓	1	✓	✓		✓	✓	✓	✓	✓	✓		✓		✓	✓	-	✓
046	Chemistry/Physical Science Laboratory	(9-12)	25	40	✓	40	✓	5	✓	20	1	✓	1	✓	✓		✓	✓	✓	✓	✓	✓		✓		✓	✓	-	✓
047	Art Classroom HS	(9-12)	25	48	✓	24	✓	2	✓	20	1	✓	1	✓	✓		✓	✓	✓									-	
048	Art Technology Lab	(9-12)	25	75	✓	40	✓	5	✓	20	1	✓	1	✓	✓		✓	✓										-	
055	J.R.O.T.C. Classroom	(9-12)	25	36	✓	16	✓	5	✓	20	1	✓	1	✓	✓		✓	✓										-	
056	J.R.O.T.C. Assembly	(9-12)	65	7	✓	12	✓	5	✓	20	1	✓	1	✓	✓		✓	✓										-	

(5) Instructional Aids - Teaching Station																	(6) Physical Characteristics and (7) Learning Environment																
Washer/Dryer	Dishwasher	Changing Table	Lift Present	Writing Surface Area	Tack Surface Area	Student Cubbies	Student Coat Hooks	Associated Storage	Associated Work Room	Associated Work Room Sink	Associated Office	Wardrobe	Open Casework >4'	Shelves <4'	Base Cabinets	Overhead Cabinets	FloorCovering	FloorCoveringAlt	Ceiling Height	Daylight Control	Adjustable Light Level	Acoustic Control Panel	Natural Light	Capacity Sign	Student Toilets	Sinks	Showers	Fountains	Hot and Cold Water				
	-			48	32	26	26	25				3	-	20	10	10	Combination	VCT	9	✓	✓		24		1	1	-	1					
	-			48	32	26	26	25				3	-	20	10	10	Combination	VCT	9	✓	✓		24		1	1	-	1					
	-			48	32	26	26	25				3	-	20	10	10	Combination	VCT	9	✓	✓		24		1	1	-	1					
	-			48	32	26	26	25				3	-	20	10	10	Combination	VCT	9	✓	✓		24		-	1	-	1					
	-			48	32	-	-	-				3	-	10	-	-	Carpet	VCT	9	✓	✓		-		-	-	-	-					
	-			48	32	-	-	50				-	5	-	-	-	VCT		9	✓	✓		-		-	-	-	-					
	-			48	32	26	26	25				3	-	20	10	10	VCT	Carpet	9	✓	✓		24		-	1	-	1					
	-			48	80	-	-	100	✓	✓		9	12	20	10	10	Epoxy	VCT	10	✓	✓		24		-	2	-	-	✓				
	-			48	16	-	-	100				6	-	20	-	-	Carpet		14	✓	✓	✓	-		-	-	-	-	✓				
	-			48	32	-	-	25	✓	✓		9	16	6	20	20	VCT		10	✓	✓		24		-	2	-	-	✓				
	-			-	-	-	-	250				6	-	-	-	-	Sport Floor	VCT	12	✓	✓	✓	-	✓	-	-	-	1					
	-			32	32	-	-	600			✓	6	-	-	-	-	Sport Floor		25			✓	-	✓	-	-	-	2					
	-			80	32	-	-	-				3	4	-	10	10	Carpet	VCT	9	✓	✓		24		-	-	-	-					
	-			48	32	-	-	-				3	10	-	-	-	Carpet	VCT	9	✓	✓		-		-	-	-	-					
	-			48	16	-	-	50				3	8	-	-	-	VCT	Carpet	9	✓	✓		-		-	-	-	-					
	-			48	24	-	-	250	✓	✓		12	16	20	60	60	VCT	Carpet	10		✓		-		-	1	-	-	✓				
	-			64	32	-	-	-	✓	✓		3	8	8	10	10	VCT		10	✓	✓		24		-	1	-	-	✓				
	1			64	24	-	-	275	✓	✓		12	16	8	20	20	VCT		10	✓	✓		24		-	8	-	-	✓				
	-			48	80	-	-	200	✓	✓		9	12	12	10	10	Epoxy	VCT	10	✓	✓		24		-	3	-	-	✓				
	-			48	32	-	-	500			✓	9	12	12	-	-	Carpet		20	✓	✓	✓	-		-	-	-	1	✓				
	-			48	32	-	-	700	✓	✓	✓	12	12	12	10	10	Carpet		20	✓	✓	✓	-	✓	-	1	-	1	✓				
	-			48	32	-	-	700	✓	✓	✓	12	12	12	10	10	Carpet		20	✓	✓	✓	-	✓	-	-	-	1	✓				
	-			32	32	-	-	600			✓	-	-	-	-	-	Wood	Sport Floor	25			✓	-	✓	-	-	-	2	✓				
	-			80	32	-	-	-				3	3	-	-	-	Carpet	VCT	9	✓	✓		24		-	-	-	-					
	-			32	32	-	-	-				3	3	-	-	-	Carpet	Combination	9	✓	✓		-		-	-	-	-					
	-			48	32	-	-	90				6	8	-	-	-	VCT	Carpet	9	✓	✓		-		-	-	-	-					
	-			48	32	-	-	-				6	8	-	6	6	Carpet	VCT	9	✓	✓		24		-	-	-	-					
	-			80	32	-	-	240	✓	✓		12	8	8	10	10	VCT	Combination	10	✓	✓		24		-	2	-	-					
	1			80	32	-	-	240	✓	✓		12	8	8	10	10	VCT		10	✓	✓		24		-	8	-	-	✓				
	1			80	32	-	-	240	✓	✓		12	8	8	10	10	VCT		10	✓	✓		24		-	8	-	-	✓				
	1			80	32	-	-	240	✓	✓		12	8	8	10	10	VCT		10	✓	✓		24		-	8	-	-	✓				
	1			80	32	-	-	240	✓	✓		12	8	8	10	10	VCT		10	✓	✓		24		-	8	-	-	✓				
	-			48	80	-	-	300	✓	✓		9	12	12	10	10	Epoxy	VCT	10	✓	✓		24		-	3	-	-	✓				
	-			48	80	-	-	300				9	12	12	10	10	Epoxy	VCT	10	✓	✓		24		-	-	-	-	✓				
	-			48	32	-	-	100				6	20	-	20	20	Carpet	VCT	10	✓	✓		24		-	1	-	-					
	-			32	32	-	-	300			✓	9	10	-	20	20	Concrete	VCT	12		✓		-		-	1	-	-					

Table 7 Continued

AISD Room Design Standards			(1) Capacity			(2)	(3) Technology										(4) Safety & Supervision												
			Grade	District Capacity	SF Per Student		Electrical Outlets	Wireless Network	Dataports	Dataport Accessibility	Interactive Whiteboard	Fixed Projector	Audio Enhancement	Media Controller	PA System	VOIP Phone	Tamper-proof Light	Door Locks	Vision Panel	Fume Hood	Exhaust System	Master Shut-off	Eye Wash						Emergency Shower
Code	Lookup	Design Description																											
075	Vocal Rehearsal Hall	HS	(9-12)	100	14	✓	20	✓	4	✓	20	1	✓	1	✓	✓		✓	✓										-
076	Band Rehearsal Hall	HS	(9-12)	150	24	✓	20	✓	4	✓	20	1	✓	1	✓	✓		✓	✓										-
077	Orchestra Rehearsal Hall	HS	(9-12)	75	18	✓	20	✓	4	✓	20	1	✓	1	✓	✓		✓	✓										-
078	Ensemble		(7-12)	-	60	✓	10	✓	4	✓	20	1	✓	1	✓	✓			✓										-
096	In School Suspension Classroom		(P-12)	-	50	✓	16		4		20	1		1	✓	✓		✓	✓										-
112	Gymnasium, High School		(9-12)	50	148	✓	24	✓	1	✓	-	-	✓	-	✓		✓	✓	✓										-
113	Gymnasium, Auxiliary		(7-12)	-	68	✓	24	✓	1		-	-	✓	-	✓		✓	✓	✓										-
114	Dance/Aerobics		(7-12)	25	60	✓	16	✓	1	✓	-	-	✓	1	✓	✓		✓	✓										-
115	Weight Room		(7-12)	-	60	✓	12	✓	1	✓	-	-	✓	-	✓			✓	✓										-
116	Health Classroom		(7-12)	25	36	✓	16	✓	5	✓	20	1	✓	1	✓	✓		✓	✓										- ✓
204	Technology Education Laboratory		(9-12)	25	80	✓	80	✓	2	✓	20	1	✓	1	✓	✓		✓	✓										-
201	Business Education Laboratory		(9-12)	25	36	✓	40	✓	5	✓	20	1	✓	1	✓	✓		✓	✓										-
205	Industrial Shop Laboratory		(9-12)	25	80	✓	80	✓	5	✓	20	1	✓	1	✓	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	-
207	Health Occupations Education Laboratory		(9-12)	25	62	✓	16	✓	5	✓	20	1	✓	1	✓	✓		✓	✓										- ✓
208	Agricultural Education Laboratory		(9-12)	25	128	✓	60	✓	5	✓	20	1	✓	1	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓			- ✓
203	Early Childcare Laboratory		(9-12)	25	32	✓	40	✓	5	✓	20	1	✓	1	✓	✓		✓	✓									1	✓
200	Vocational General Laboratory		(9-12)	25	144	✓	80	✓	5	✓	20	1	✓	1	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓		-
221	Life Center 21 (FCS)		(6-12)	25	56	✓	40	✓	5	✓	20	1	✓	1	✓	✓		✓	✓									1	✓
222	Consumer (FCS)		(7-12)	25	52	✓	60	✓	5	✓	20	1	✓	1	✓	✓		✓	✓									4	✓
223	Kitchen/Food Prep (FCS)		(7-12)	25	52	✓	40	✓	5	✓	20	1	✓	1	✓	✓		✓	✓			✓				✓		4	✓
210	Classroom (Related to Lab Instruction)		(7-12)	-	32	✓	16	✓	5	✓	20	1	✓	1	✓	✓		✓	✓										-
060	Self-Contained Classroom (PPCD)		(P-12)	15	50	✓	14	✓	5	✓	20	1	✓	1	✓	✓		✓	✓										-
061	Self-Contained Classroom (Behavioral)		(P-12)	12	125	✓	14	✓	5	✓	20	1	✓	1	✓	✓		✓	✓									1	✓
062	Severely Disabled (F.L.I.T.E.)		(7-12)	10	150	✓	30	✓	5	✓	20	1	✓	-	✓	✓		✓	✓									1	✓
063	Behavior Room		(P-12)	10	150	✓	10	✓	5	✓	20	1	✓	-	✓	✓		✓	✓									-	✓
064	ARD/Resource Room		(P-12)	-	90	✓	10	✓	3	✓	20	1	✓	1	✓	✓		✓	✓										-
340	Dining Area		(P-12)	-	15	✓	40	✓	2	✓	-	-	✓	-	✓	✓		✓	✓	✓									-
361	Auditorium / Assembly		(P-12)	-	7	✓	20	✓	2	✓	-	-	✓	1	✓	✓		✓	✓										-
363	Small Auditorium/Little Theatre		(P-12)	25	64	✓	32		2	✓	-	-	✓	-															-
364	Drama Classroom / Black Box Theater		(P-12)	25	60	✓	32	✓	5	✓	20	1	✓	1	✓	✓													-
380	Library/Media Center (Reading/Stacks/Story Area)		(P-12)	-	3	✓	40	✓	32	✓	20	1	✓	-	✓	✓		✓	✓										-
385	Video/CCTV/Media Production Studio		(P-12)	-	36		24	✓	16	✓	-	-		-	✓	✓			✓	✓									-
390	Library Instruction Room		(P-12)	-	28	✓	12	✓	5	✓	20	1	✓	-	✓	✓		✓	✓										-

(5) Instructional Aids - Teaching Station																	(6) Physical Characteristics and (7) Learning Environment															
Washer/Dryer	Dishwasher	Changing Table	Lift Present	Writing Surface Area				Tack Surface Area	Student Cubbies	Student Coat Hooks	Teacher Storage	Associated Work Room	Associated Work Room Sink	Associated Office	Wardrobe	Open Casework >4'	Shelves <4'	Base Cabinets	Overhead Cabinets	FloorCovering	FloorCoveringAlt	Ceiling Height	Daylight Control	Adjustable Light Level	Acoustic Control Panel	Natural Light	Capacity Sign	Student Toilets	Sinks	Showers	Fountains	Hot and Cold Water
	-			48	32	-	-	700			✓		✓	6	8	8	-	-	Carpet		20	✓	✓	✓	-		-	-	-	1	✓	
	-			48	32	-	-	800	✓	✓	✓	✓	✓	12	12	12	10	10	Carpet		20	✓	✓	✓	-	✓	-	1	-	1	✓	
	-			48	32	-	-	800	✓	✓	✓	✓	✓	12	12	12	10	10	Carpet		20	✓	✓	✓	-	✓	-	-	-	1	✓	
	-			32	-	-	-	-						-	-	-	-	-	Carpet	Carpet	12			✓	-		-	-	-	-		
	-			32	16	-	-	-						3	4	-	-	-	Carpet	VCT	9	✓			-		-	-	-	-		
	-			32	32	-	-	1,200			✓			-	-	-	-	-	Wood	Sport Floor	25			✓	-	✓	-	-	-	2		
	-			32	32	-	-	600						-	-	-	-	-	Wood	Sport Floor	25				-	✓	-	-	-	2		
	-			32	32	-	-	200			✓			6	20	-	-	-	Wood	Sport Floor	15	✓	✓	✓	-	✓	-	-	-	-		
	-			32	32	-	-	-						6	20	-	-	-	Sport Floor	Carpet	12	✓			-		-	-	-	-		
	-			48	32	-	-	-	✓	✓				3	-	20	10	10	VCT	Combination	9	✓	✓		24		-	-	-	-		
	-			64	32	-	-	200	✓	✓	✓	✓		12	16	16	30	30	VCT		10		✓		-		-	-	-	-	✓	
	-			64	32	-	-	500			✓			16	8	8	10	10	Carpet	Combination	10	✓	✓		24		-	-	-	-		
	-			64	32	-	-	500	✓	✓	✓	✓		24	16	20	40	40	Concrete	Concrete	12		✓		-		2	2	2	-	✓	
	-			64	32	-	-	200	✓	✓	✓	✓		12	16	10	10	10	VCT	Combination	10		✓		-		-	1	-	-	✓	
	-			48	24	-	-	500	✓	✓	✓	✓		12	8	8	30	30	VCT	Concrete	10	✓	✓		-		2	2	2	-	✓	
✓	-	✓		64	32	-	-	100	✓	✓	✓	✓		16	8	8	16	16	Combination	Carpet	10	✓	✓		24		-	1	-	1	✓	
	-			64	32	-	-	400	✓	✓	✓	✓		12	16	20	40	40	Concrete	Concrete	12				-		-	2	-	2	✓	
	-			48	16	-	-	-			✓			20	10	12	60	60	VCT	Combination	10	✓	✓		-		-	4	-	-	✓	
✓	-			48	48	-	-	-			✓			30	10	12	6	6	VCT	Combination	10	✓	✓		-		-	4	-	-	✓	
✓	-			48	24	-	-	600			✓			20	10	12	60	60	VCT	VCT	10	✓	✓		-		-	4	-	-	✓	
	-			64	24	-	-	-						6	4	4	-	-	VCT	Carpet	9	✓	✓		-		-	1	-	-		
	-			48	32	15	15	25						3	4	8	10	10	Combination	Carpet	9	✓	✓		24		1	1	-	-	✓	
	-	✓		48	32	15	15	120						3	4	20	-	-	Combination	Carpet	9	✓	✓		24		1	1	-	1	✓	
✓	-	✓	✓	48	32	12	12	160						9	12	8	10	10	Combination	Carpet	10	✓	✓		24		1	1	1	1	✓	
	-	✓	✓	48	16	12	12	160	✓	✓	✓	✓		20	8	8	10	10	Combination	Carpet	12	✓	✓		24		1	-	-	-		
	-			32	16	8	8	110						3	3	-	-	-	Combination	Carpet	9	✓	✓		-		-	-	-	-		
	-			32	32	-	-	-						-	-	-	-	-	VCT	Terrazzo	16		✓	✓	200	✓	-	1	-	-		
	-			-	-	-	-	-						-	-	-	-	-	Combination	Carpet	20	✓	✓	✓	-	✓	-	-	-	-		
	-			-	-	-	-	-						-	-	-	-	-	Combination	Carpet	20	✓	✓		-	✓	-	-	-	-		
	-			32	-	-	-	-			✓			-	-	-	-	-	VCT	Concrete	20	✓	✓	✓	-		-	-	-	-		
	-			32	16	-	-	850						6	200	40	-	-	Carpet	Combination	12	✓	✓	✓	-	✓	-	-	-	-	✓	
	-			-	-	-	-	-						6	-	-	-	-	VCT	Concrete	14	✓	✓		-		-	-	-	-		
	-			-	-	-	-	-						-	-	-	-	-	Carpet	VCT	9		✓		-		-	-	-	-		

Prototypical School Program Requirements

The following section represents the identified space requirement factors for a typical school in AISD. These parameters are used to establish the District guidelines for evaluating the eight criteria of Educational Suitability. While all schools may not have each space necessary to meet the guidelines, it is the desire of the district that all schools have this space or an equivalent.

ELEMENTARY SCHOOL PROGRAM

Utilization	95%
Student Core Support Design Capacity	900
Student Maximum Design Capacity	861
Student Utilization Design Capacity	820

Code	Space Name	Standard	Cap.	Recommended			Capacity	Utilization
		Area		Qty	NSF	Total		
Pre-Kindergarten								
001	Pre-K Classroom with Toilets	900		5	900	4,500	21	105
814	Restroom, Student - Both Sexes	100		5	65	325	-	-
Pre-Kindergarten						4,825		105
Academics								
Kindergarten								
002	Kindergarten Classroom	900		6	900	5,400	21	126
814	Restroom, Student - Both Sexes	100		6	65	390	-	-
Grades 1-4								
003	Primary Classroom (1-4)	800		20	800	16,000	21	420
322	Collaborative space	500		4	1,200	4,800	-	-
322	Teacher Planning/Workroom	500		4	500	2,000	-	-
Grades 5-6								
004	Intermediate Classroom (5-6)	850		10	850	8,500	21	210
322	Collaborative space	500		2	1,200	2,400	-	-
322	Teacher Planning/Workroom	500		2	500	1,000	-	-
Academics Subtotal:						40,490		756
Academics - Science								
016	Science Classroom - Upper	900		1	1,100	1,100	-	-
016	Science Classroom - Lower	900		1	1,000	1,000	-	-
092	Classroom/Instructional Prep/Workroom/Storage	150		2	150	300	-	-
Academics - Science Subtotal:						2,400		-
Academics - Special Programs								
060	Self-Contained Classroom (PPCD)	900		2	900	1,800	-	-
814	Restroom, Student - Both Sexes	100		2	65	130	-	-
005	Resource Room ES	300		2	300	600	-	-
210	Miscellaneous	900		1	750	750	-	-
038	Literacy	900		1	800	800	-	-
314	Office, Speech/Diagnostician	100		1	300	300	-	-
Academics - Special Programs Subtotal:						4,380		-
Library								
380	Library Stacks Area	4,500		1	4,500	4,500	-	-
322	Teacher Planning/Workroom	500		1	1,125	1,125	-	-
381	Library Workroom/Office	200		1	200	200	-	-
383	Audio-Visual Broadcast & Storage Area	500		1	300	300	-	-
Library Subtotal:						6,125		-
Fine Arts								
012	Music Room	1,200		1	900	900	-	-
084	Storage, instrument	250		1	250	250	-	-
012	Strings	1,200		1	900	900	-	-
011	Art Room	900		1	1,000	1,000	-	-
095	Kiln Room	100		1	100	100	-	-
094	Art Workroom	120		1	120	120	-	-
Fine Arts Subtotal:						3,270		-

ELEMENTARY SCHOOL PROGRAM (CONT'D)

Utilization	95%
Student Core Support Design Capacity	900
Student Maximum Design Capacity	861
Student Utilization Design Capacity	820

Code	Space Name	Standard	Cap.	Recommended			Capacity	Utilization
		Area		Qty	NSF	Total		
Athletics								
110	Activity Room	4,000		1	4,000	4,000	-	-
126	P. E. Office	100		1	150	150	-	-
125	P. E. Storage	500		1	500	500	-	-
Athletics Subtotal:						4,650		-
Multi-Purpose								
109	Multi-Purpose Room	1,500		2	1,500	3,000	-	-
092	Classroom/Instructional Prep/Workroom/Storage	150		1	150	150	-	-
317	Parent Center	100		1	800	800	-	-
Multi-Purpose Subtotal:						3,950		-
Technology								
503	Computer Room (raised floor)	350		1	350	350	-	-
505	COW storage	150		2	100	200	-	-
383	Audio-Visual Broadcast & Storage Area	500		1	400	400	-	-
Technology Subtotal:						950		-
Administration								
300	Office, Principal	230	Yes	1	230	230	-	-
301	Office, Assistant Principal	175	Yes	2	180	360	-	-
303	Principal's Secretary	120		1	120	120	-	-
426	Reception (2 clerks)	150	Yes	1	500	500	-	-
306	Conference Room	250		1	250	250	-	-
315	Office, Counselor	150	Yes	1	180	180	-	-
309	Counselor Closet	200		1	70	70	-	-
307	Clinic	450		1	350	350	-	-
821	Clinic Toilet	100		1	70	70	-	-
321	Teacher Lounge/Dining	500	Yes	1	300	300	-	-
305	Copy/Workroom/Storage/Mail	600		1	580	580	-	-
333	Mobile Book Storage	200		1	250	250	-	-
333	Storage	200		2	200	400	-	-
407	Office, Guidance Tech.	100	Yes	1	120	120	-	-
428	Admin Workroom / Toilets	500	Yes	1	500	500	-	-
Administration Subtotal:						4,280		-
Cafeteria, Kitchen								
340	Cafetorium	4,000		1	4,950	4,950	-	-
341	Kitchen, Serving Area & Office	3,200		1	3,200	3,200	-	-
349	Chair Storage	150		1	150	150	-	-
366	Performance Platform	800		1	800	800	-	-
367	Stage/Drama/Auditorium Storage	400		1	200	200	-	-
Cafeteria, Kitchen Subtotal:						9,300		-
Total Net Assignable Square Feet						84,620		861
700	Net to Gross					27,925	33%	
Total Gross Square Feet						112,545		

JUNIOR HIGH SCHOOL PROGRAM

	Utilization	75%
Student Core Support Design Capacity		1,420
Student Maximum Design Capacity		1,357
Student Utilization Design Capacity		1,020

Code	Space Name	Standard		Recommended			Capacity	Utilization
		Area	Cap.	Qty	NSF	Total		
Administration								
422	Secure Front Entry/Waiting Area	300	F	1	300	300	-	-
304	Reception Area (District Aide)	300	F	1	300	300	-	-
300	Office, Principal/Director	230	F	1	230	230	-	-
303	Principal's Secretary	120	F	1	120	120	-	-
302	Office, Attendance	90	F	1	90	90	-	-
306	Conference Room	250	F	1	250	250	-	-
305	Copy/Workroom/Storage/Mail	600	F	1	600	600	-	-
415	Administrative Mail Room	150	F	1	150	150	-	-
308	Administrative Storage	400	F	1	400	400	-	-
309	Vault	200	F	1	200	200	-	-
418	Test Storage	100	F	1	100	100	-	-
321	Teacher Lounge/Dining	500	F	2	500	1,000	-	-
307	Clinic	450	F	1	450	450	-	-
315	Office, Head Counselor	150	F	1	150	150	-	-
426	Attendance Office, Reception, Secretary	150	F	1	150	150	-	-
315	Office, Counselor	150	F	2	150	300	-	-
306	Conference Room	250	F	1	250	250	-	-
609	Media copying room	200	F	1	200	200	-	-
710	Storage, General	200	F	1	200	200	-	-
309	Records Room	200	F	1	200	200	-	-
418	Test Storage	100	F	1	100	100	-	-
314	Data Input Office	100	F	1	100	100	-	-
314	Office, Speech/Diagnostician	100	F	1	100	100	-	-
407	Office, Psychologist/Social Worker	100	F	1	100	100	-	-
821	Restroom, Staff - Both Sexes	100	F	2	100	200	-	-
824	Restroom, Visitors - Both Sexes	100	F	2	100	200	-	-
Administration Subtotal						6,440	-	
Library Learning Center								
380	Library Learning Center	4,500	T	1	5,000	5,000	-	-
505	COW storage	150	F	1	300	300	-	-
315	Librarian Office	150	F	1	150	150	-	-
381	Library Workroom/Office	200	F	1	150	150	-	-
821	Restroom, Staff - Both Sexes	100	F	2	100	200	-	-
814	Restroom, Student - Both Sexes	100	F	2	100	200	-	-
Library Learning Center Subtotal						6,000	-	
Core Instructional Areas - 7th Grade								
304	Assistant Principal Waiting, Secretary	300	F	1	150	150	-	-
301	Office, Assistant Principal	175	F	1	175	175	-	-
505	Pod Storage Room	150	F	1	150	150	-	-
333	Storage, Textbook	200	F	1	200	200	-	-
308	Administrative Storage	400	F	1	400	400	-	-
020	7th Grade Group 1-3 English Classrooms	900	T	3	900	2,700	25	75
020	7th Grade Group 1-3 Reading Classrooms	900	T	3	900	2,700	25	75
020	7th Grade Group 1-3 Social Studies Classrooms	900	T	3	900	2,700	25	75
020	7th Grade Group 1-3 Math Classrooms	900	T	3	900	2,700	25	75
028	7th Grade Group 1-3 Science Lab	1,200	T	3	1,200	3,600	25	75
093	7th Grade Group 1-2 Science Prep/Storage	400	F	2	400	800	-	-
030	7th Grade Group 1-3 Breakout Spaces	1,500	F	3	1,500	4,500	-	-
322	Teacher Planning/Workroom	500	F	3	500	1,500	-	-
815	Restroom, Student - Male	160	F	1	160	160	-	-
816	Restroom, Student - Female	160	F	1	160	160	-	-
821	Restroom, Staff - Both Sexes	100	F	1	100	100	-	-
Core Instructional Areas Subtotal						22,695	375	

JUNIOR HIGH SCHOOL PROGRAM (CONT'D)

Utilization	75%
Student Core Support Design Capacity	1,420
Student Maximum Design Capacity	1,357
Student Utilization Design Capacity	1,020

Code	Space Name	Standard		Recommended			Capacity	Utilization
		Area	Cap.	Qty	NSF	Total		
Core Instructional Areas - 8th Grade								
304	Assistant Principal Waiting, Secretary	300	F	1	150	150	-	-
301	Office, Assistant Principal	175	F	1	175	175	-	-
505	Pod Storage Room	150	F	1	150	150	-	-
333	Storage, Textbook	200	F	1	200	200	-	-
308	Administrative Storage	400	F	1	400	400	-	-
020	8th Grade Group 1-3 English Classrooms	900	T	3	900	2,700	25	75
020	8th Grade Group 1-3 Reading Classrooms	900	T	3	900	2,700	25	75
020	8th Grade Group 1-3 Social Studies Classrooms	900	T	3	900	2,700	25	75
020	8th Grade Group 1-3 Math Classrooms	900	T	3	900	2,700	25	75
028	8th Grade Group 1-3 Science Lab	1,200	T	3	1,200	3,600	25	75
093	7th Grade Group 1-2 Science Prep/Storage	400	F	2	400	800	-	-
030	8th Grade Group 1-3 Breakout Spaces	1,500	F	3	1,500	4,500	-	-
322	Teacher Planning/Workroom	500	F	3	500	1,500	-	-
815	Restroom, Student - Male	160	F	1	160	160	-	-
816	Restroom, Student - Female	160	F	1	160	160	-	-
821	Restroom, Staff - Both Sexes	100	F	1	100	100	-	-
Core Instructional Areas Subtotal						22,695	375	
Other Instructional Spaces								
020	General Classroom	900	T	1	900	900	25	25
021	ESL Classroom	300	T	1	300	300	-	-
031	Journalism Classroom	600	T	1	600	600	25	25
383	Audio-Visual Broadcast & Storage Area	500	F	1	500	500	-	-
038	Foreign Language/Multi-Lingual Laboratory	900	T	2	900	1,800	25	50
322	Teacher Planning/Workroom	500	F	1	500	500	-	-
091	Classroom/Instructional Storage	200	F	1	200	200	-	-
815	Restroom, Student - Male	160	F	1	160	160	-	-
816	Restroom, Student - Female	160	F	1	160	160	-	-
821	Restroom, Staff - Both Sexes	100	F	1	100	100	-	-
Other Instructional Spaces Subtotal						5,220	100	
Special Programs								
096	ISS Classroom	600	T	1	600	600	-	-
116	Health Classroom	900	T	2	900	1,800	25	50
062	Severe Classroom	1,400	T	1	1,400	1,400	10	10
062	Profound Classroom	1,400	T	1	1,400	1,400	10	10
348	Kitchen/Workroom	400	F	1	400	400	-	-
091	Classroom/Instructional Storage	200	F	1	200	200	-	-
322	Teacher Planning/Workroom	500	F	1	500	500	-	-
306	Conference Room	250	F	1	250	250	-	-
061	Self-Contained Classroom (Behavioral)	1,200	T	1	1,200	1,200	12	12
063	Occupational Therapy	1,500	T	2	1,500	3,000	10	20
062	Adaptive Behavior	1,400	T	1	1,400	1,400	10	10
064	ARD/Resource Room	300	T	1	300	300	-	-
815	Restroom, Student - Male	160	F	1	160	160	-	-
816	Restroom, Student - Female	160	F	1	160	160	-	-
821	Restroom, Staff - Both Sexes	100	F	1	100	100	-	-
Special Programs Subtotal						12,870	112	

JUNIOR HIGH SCHOOL PROGRAM (CONT'D)

Utilization	75%
Student Core Support Design Capacity	1,420
Student Maximum Design Capacity	1,357
Student Utilization Design Capacity	1,020

Code	Space Name	Standard	Cap.	Recommended			Capacity	Utilization
		Area		Qty	NSF	Total		
Fine Arts								
029	Art Classroom JHS	1,200	T	2	1,200	2,400	25	50
322	Art Office	500	F	1	250	250	-	-
094	Storage Room (Art)	120	F	1	120	120	-	-
095	Kiln Room	100	F	1	100	100	-	-
073	Band Rehearsal Hall JHS	1,800	T	1	1,800	1,800	75	75
322	Band Office	500	F	1	250	250	-	-
083	Instrument Repair Room	75	F	1	75	75	-	-
084	Storage, instrument	250	F	1	250	250	-	-
085	Storage, Robe/Uniform	250	F	1	250	250	-	-
074	Orchestra Rehearsal Hall JHS	1,500	T	1	1,500	1,500	40	40
322	Orchestra Office	500	F	1	250	250	-	-
084	Storage, instrument	250	F	1	250	250	-	-
085	Storage, Robe/Uniform	250	F	1	250	250	-	-
072	Vocal Rehearsal Hall JHS	1,500	T	1	1,500	1,500	55	55
322	Vocal Office	500	F	1	250	250	-	-
084	Storage, instrument	250	F	1	250	250	-	-
085	Storage, Robe/Uniform	250	F	1	250	250	-	-
078	Ensemble	350	T	2	350	700	-	-
081	Band/Orchestra/Choir Practice Rooms	80	F	9	80	720	-	-
050	Drama Classroom	600	T	1	1,000	1,000	25	25
322	Drama Office	500	F	1	250	250	-	-
367	Drama Storage/Wardrobe	400	F	1	400	400	-	-
815	Restroom, Student - Male	160	F	1	160	160	-	-
816	Restroom, Student - Female	160	F	1	160	160	-	-
821	Restroom, Staff - Both Sexes	100	F	1	100	100	-	-
Fine Arts Subtotal						13,485	245	
Career Technology Education (CTE), Principles of Information Technology								
207	Career Tech Higher Education Investigation (CTHEI)	3,000	T	3	900	2,700	25	75
207	Gateway to technology	3,000	T	1	2,000	2,000	25	25
322	CTE Storage	500	F	1	500	500	-	-
815	Restroom, Student - Male	160	F	1	160	160	-	-
816	Restroom, Student - Female	160	F	1	160	160	-	-
821	Restroom, Staff - Both Sexes	100	F	1	100	100	-	-
CTE, Principles of Information Technology Subtotal						5,620	100	
Gymnasiums (PE)								
111	Performance Gym	8,500	T	1	8,500	8,500	50	50
113	Practice Gym	7,500	T	1	7,500	7,500	-	-
122	Lockers/Dressing/Toilets/Showers - Male	2,500	F	1	2,500	2,500	-	-
126	P. E. Office	100	F	2	100	200	-	-
124	Lockers/Dressing/Toilets/Showers - Staff Male	450	F	1	75	75	-	-
121	Lockers/Dressing/Toilets/Showers - Female	2,500	F	1	2,500	2,500	-	-
126	P. E. Office	100	F	2	100	200	-	-
123	Lockers/Dressing/Toilets/Showers - Staff Female	450	F	1	75	75	-	-
120	Laundry/Towel Distribution	500	F	1	500	500	-	-
125	Concessions	500	F	1	300	300	-	-
125	P. E. Storage	500	F	1	2,000	2,000	-	-
822	Restroom, Public Use - Male	900	F	1	900	900	-	-
823	Restroom, Public Use - Female	900	F	1	900	900	-	-
Gymnasiums						26,150	50	

JUNIOR HIGH SCHOOL PROGRAM (CONT'D)

Utilization	75%
Student Core Support Design Capacity	1,420
Student Maximum Design Capacity	1,357
Student Utilization Design Capacity	1,020

Code	Space Name	Standard Area	Cap.	Recommended			Capacity	Utilization
				Qty	NSF	Total		
Athletics								
122	SCHOLA / Team Room	2,500	F	1	2,000	2,000	-	-
122	Lockers/Dressing/Toilets/Showers - Male	2,500	F	1	3,500	3,500	-	-
126	Athletics Office - Male	100	F	4	100	400	-	-
124	Lockers/Dressing/Toilets/Showers - Staff Male	450	F	2	75	150	-	-
121	Lockers/Dressing/Toilets/Showers - Female	2,500	F	1	3,500	3,500	-	-
126	Athletics Office - Female	100	F	4	100	400	-	-
124	Lockers/Dressing/Toilets/Showers - Staff Male	450	F	2	75	150	-	-
115	Weight Room	2,500	T	1	2,500	2,500	-	-
125	Athletic Storage	500	F	3	500	1,500	-	-
Gymnasiums						14,100		
Field House								
122	SCHOLA / Team Room	2,500	F	1	2,000	2,000	-	-
122	Lockers/Dressing/Toilets/Showers - Male	2,500	F	1	3,500	3,500	-	-
126	Athletics Office - Male	100	F	2	200	400	-	-
124	Lockers/Dressing/Toilets/Showers - Staff Male	450	F	2	75	150	-	-
121	Lockers/Dressing/Toilets/Showers - Female	2,500	F	1	3,500	3,500	-	-
126	Athletics Office - Female	100	F	2	200	400	-	-
124	Lockers/Dressing/Toilets/Showers - Staff Male	450	F	2	75	150	-	-
115	Weight Room	2,500	T	1	2,500	2,500	-	-
125	Athletic Storage	500	F	1	1,500	1,500	-	-
822	Restroom, Public Use - Male	900	F	1	900	900	-	-
823	Restroom, Public Use - Female	900	F	1	900	900	-	-
Gymnasiums						15,900		
Cafeteria, Kitchen								
340	Dining Area	4,000		1	6,000	6,000	-	-
349	Chair Storage	150		2	150	300	-	-
341	Kitchen, Serving Area & Office	3,200		1.5	3,200	4,800	-	-
330	Receiving Area	100		1	100	100	-	-
815	Restroom, Student - Male	160		1	160	160	-	-
816	Restroom, Student - Female	160		1	160	160	-	-
821	Restroom, Staff - Both Sexes	100		2	100	200	-	-
Cafeteria, Kitchen Subtotal:						11,720		
Non-Instructional 'Ancillary' Areas								
330	Custodial Central Receiving	100	F	1	100	100	-	-
332	Custodial Office / Workroom / Break Area	120	F	1	120	120	-	-
331	Custodial Service Closet	80	F	15	80	1,200	-	-
Non-Instructional 'Ancillary' Areas						1,420		
Non-Net Space								
707	Telephone Equip/Communications Closet	50	F	1	50	50	-	-
702	Mechanical Room	400	F	18	400	7,200	-	-
703	Electrical Closets	25	F	12	100	1,200	-	-
313	Intermediate Distribution Frame Room	75	F	2	100	200	-	-
312	Main Distribution Frame Room	200	F	1	200	200	-	-
Non-Net Subtotal:						8,850		
Total Net Assignable Square Feet						162,895	1,357	
700	Non-Net Subtotal					10,270	6%	
700	Circulation Subtotal					57,144	33%	
Total Gross Square Feet						230,309		

HIGH SCHOOL PROGRAM

	Utilization	75%
Student Core Support Design Capacity		3,570
Student Maximum Design Capacity		3,399
Student Utilization Design Capacity		2,500

Code	Space Name	Standard		Recommended			Capacity	Utilization
		Area	Cap.	Qty	NSF	Total		
Administration								
422	Secure Front Entry/Waiting Area	300	F	1	300	300	-	
304	Reception/Waiting Area	300	F	1	300	300	-	
304	Reception Work/Copy Area	300	F	1	150	150	-	
302	Attendance Office, Reception, Secretary	90	F	1	90	90	-	
300	Office, Principal/Director	230	F	1	230	230	-	
303	Principal's Secretary	120	F	1	120	120	-	
304	Principal's Waiting Area	300	F	1	300	300	-	
306	Conference Room	250	F	1	250	250	-	
306	Main Administrative Conference Room	250	F	1	250	250	-	
301	Office, Associate Principal	175	F	1	175	175	-	
301	Office #1, Assistant Principal's Office	175	F	1	175	175	-	
304	Assistant Principal's Waiting Area/2 Secretaries	300	F	1	300	300	-	
420	Administrative Meeting Room	250	F	1	250	250	-	
308	Administrative Storage	400	F	1	400	400	-	
333	Bookkeeping Office	200	F	1	200	200	-	
302	Office, ADA Clerk	90	F	1	90	90	-	
305	Copy/Workroom/Storage/Mail	600	F	1	600	600	-	
321	Teacher Lounge, Vending, Copier Alcove	500	F	2	500	1,000	-	
333	Storage, Textbook	200	F	2	200	400	-	
Guidance, Counseling								
426	Counseling Reception, Secretary, Waiting	150	F	1	150	150	-	
402	Counseling Secretary	250	F	1	250	250	-	
005	College Source Classroom	300	T	1	300	300	-	
315	Offices	150	F	2	150	300	-	
306	Conference Room	250	F	1	250	250	-	
068	Reading, Display	450	T	1	450	450	-	
315	Office, Head Counselor	150	F	1	150	150	-	
315	Office, Counselor	150	F	4	150	600	-	
306	Conference Room	250	F	1	250	250	-	
305	Copy/Workroom/Storage/Mail	600	F	1	600	600	-	
309	Records Room	200	F	1	200	200	-	
418	State Test Storage	100	F	1	100	100	-	
314	Office, Data Input	100	F	1	100	100	-	
314	Office, Systems Operator	100	F	1	100	100	-	
314	Office, Registrar	100	F	1	100	100	-	
314	Office, Speech/Diagnostician	100	F	1	100	100	-	
315	Office, Drug Counselor (meeting space for 8)	150	F	1	150	150	-	
407	Office, Psychologist/Social Worker	100	F	1	100	100	-	
314	Office, Speech Therapy	100	F	1	100	100	-	
317	Office (For Outside Visitors)	100	F	1	100	100	-	
821	Restroom, Staff - Both Sexes	100	F	2	100	200	-	-
822	Restroom, Public Use - Male	900	F	1	900	900	-	
823	Restroom, Public Use - Female	900	F	1	900	900	-	
Clinic								
307	Clinic	450	F	1	450	450	-	
Administration Subtotal:						12,480		

HIGH SCHOOL PROGRAM (CONT'D)

Utilization	75%
Student Core Support Design Capacity	3,570
Student Maximum Design Capacity	3,399
Student Utilization Design Capacity	2,500

Code	Space Name	Standard	Cap.	Recommended			Capacity	Utilization
		Area		Qty	NSF	Total		
Library Learning Center								
380	Library Learning Center	4,500	T	1	6,000	6,000	-	
381	Library Workroom/Office	200	F	1	200	200	-	
037	Technology Laboratory	900	T	1	1,200	1,200	25	25
322	Group Study Alcove (within library)	500	F	1	1,200	1,200	-	
306	Independent Study Rooms	250	F	2	250	500	-	
315	Office, Librarian	150	F	1	150	150	-	
381	Library Workroom/Office	200	F	1	200	200	-	
383	Storage Area	500	F	1	500	500	-	
505	COW storage	150	F	6	300	1,800	-	
821	Restroom, Staff - Both Sexes	100	F	2	100	200	-	-
814	Restroom, Student - Both Sexes	100	F	2	100	200	-	-
Library Learning Center Subtotal:						12,150		25
Classroom Support Spaces								
301	Assistant Principal's Office at 2nd Floor	175	F	1	175	175	-	
301	Office, Assistant Principal, #4 and #5	175	F	2	175	350	-	
316	Student Resource Officer Office	100	F	1	100	100	-	
322	Faculty Workroom	500	F	1	500	500	-	
035	General Classrooms	900	T	1	900	900	25	25
821	Restroom, Staff - Both Sexes	100	F	1	100	100	-	-
Classroom Support Subtotal:						2,025		25
English Department								
035	English Classroom	900	T	11	900	9,900	25	275
036	English Department Breakout Area	300	T	1	300	300	-	
050	English Classroom (LGI-2 pair with folding wall)	600	T	4	600	2,400	25	100
037	English Technology Lab	900	T	2	900	1,800	25	50
050	Reading Classroom	600	T	2	600	1,200	25	50
035	ESL Classrooms	900	T	2	900	1,800	25	50
097	ESL Testing (locate between ESL classrooms)	100	T	1	100	100	-	
035	Speech Classroom	900	T	2	900	1,800	25	50
035	Debate Classroom	900	T	1	900	900	25	25
322	Speech/Debate Office	500	F	1	500	500	-	
036	Speech Practice Room	300	T	2	300	600	-	
091	Speech/Debate Storage	200	F	1	200	200	-	
035	Publications Classroom	900	T	1	900	900	25	25
050	Publications Lab	600	T	1	600	600	25	25
050	Broadcast Journalism Studio / Storage	600	T	1	600	600	-	
322	Faculty Workroom	500	F	1	500	500	-	
306	Faculty Conference Room	250	F	1	250	250	-	
091	Faculty Resource, Storage	200	F	2	200	400	-	
815	Restroom, Student - Male	160	F	1	160	160	-	
816	Restroom, Student - Female	160	F	1	160	160	-	
821	Restroom, Staff - Both Sexes	100	F	1	100	100	-	-
English Department Subtotal:						25,170		650

HIGH SCHOOL PROGRAM (CONT'D)

Utilization	75%
Student Core Support Design Capacity	3,570
Student Maximum Design Capacity	3,399
Student Utilization Design Capacity	2,500

Code	Space Name	Standard	Cap.	Recommended			Capacity	Utilization
		Area		Qty	NSF	Total		
Social Studies Department								
035	Social Studies Classroom	900	T	11	900	9,900	25	275
036	Social Studies Breakout Area	300	T	1	300	300	-	
050	Social Studies Classroom (LGI-2 pair with folding wal	600	T	4	600	2,400	25	100
037	Social Studies Computer Lab	900	T	2	900	1,800	25	50
322	Faculty Workroom	500	F	1	500	500	-	
306	Faculty Conference Room	250	F	1	250	250	-	
091	Faculty Resource, Storage	200	F	2	200	400	-	
815	Restroom, Student - Male	160	F	1	160	160	-	
816	Restroom, Student - Female	160	F	1	160	160	-	
821	Restroom, Staff - Both Sexes	100	F	1	100	100	-	-
Social Studies Department Subtotal:						15,970		425
Math Department								
035	Math Classroom	900	T	11	900	9,900	25	275
036	Math Department Breakout Area	300	T	1	300	300	-	
050	Math Classroom	600	T	4	600	2,400	25	100
037	Math Computer Lab	900	T	2	900	1,800	25	50
322	Faculty Workroom	500	F	1	500	500	-	
306	Faculty Conference Room	250	F	1	250	250	-	
091	Faculty Resource, Storage	200	F	2	200	400	-	
815	Restroom, Student - Male	160	F	1	160	160	-	
816	Restroom, Student - Female	160	F	1	160	160	-	
821	Restroom, Staff - Both Sexes	100	F	1	100	100	-	-
Math Department Subtotal:						15,970		425
Science Department								
043	General Science Laboratory HS	1,400	T	8	1,500	12,000	25	200
043	Marine Science Laboratory HS	1,400	T	1	1,500	1,500	25	25
046	Chemistry/Physical Science Laboratory	1,400	T	8	1,200	9,600	25	200
093	Science Laboratory Prep Room/Storage	400	F	5	400	2,000	-	
093	Science Laboratory Prep Room/Storage	400	F	5	400	2,000	-	
713	Central Chemical Storage	300	F	1	300	300	-	
036	Science Department Breakout Area	300	T	1	300	300	-	
037	Science Technology Lab	900	T	2	900	1,800	25	50
322	Faculty Workroom	500	F	1	500	500	-	
306	Faculty Conference Room	250	F	1	250	250	-	
091	Faculty Resource, Storage	200	F	2	200	400	-	
815	Restroom, Student - Male	160	F	1	160	160	-	
816	Restroom, Student - Female	160	F	1	160	160	-	
821	Restroom, Staff - Both Sexes	100	F	1	100	100	-	-
Science Department Subtotal:						31,070		475
World Languages Department								
038	Foreign Language/Multi-Lingual Laboratory	900	T	10	900	9,000	25	250
036	Foreign Language Breakout Area	300	T	1	300	300	-	
322	Faculty Workroom	500	F	1	500	500	-	
306	Faculty Conference Room	250	F	1	250	250	-	
091	Faculty Resource, Storage	200	F	2	200	400	-	
815	Restroom, Student - Male	160	F	1	160	160	-	
816	Restroom, Student - Female	160	F	1	160	160	-	
821	Restroom, Staff - Both Sexes	100	F	1	100	100	-	-
World Languages Subtotal:						10,870		250

HIGH SCHOOL PROGRAM (CONT'D)

Utilization	75%
Student Core Support Design Capacity	3,570
Student Maximum Design Capacity	3,399
Student Utilization Design Capacity	2,500

Code	Space Name	Standard	Cap.	Recommended			Capacity	Utilization
		Area		Qty	NSF	Total		
Special Education Department (SPED)								
035	Special Education Classroom	900	T	5	900	4,500	25	125
062	Live Skills Classroom	1,400	T	2	1,400	2,800	10	20
062	Severely Disabled (F.L.I.T.E.)	1,400	T	1	1,400	1,400	10	10
348	Satellite Kitchen	400	F	1	400	400	-	
322	Faculty Workroom	500	F	1	500	500	-	
064	ARD/Resource Room	300	T	1	300	300	-	
091	Classroom/Instructional Storage	200	F	1	200	200	-	
322	Faculty Workroom	500	F	1	500	500	-	
306	Faculty Conference Room	250	F	1	250	250	-	
091	Faculty Resource, Storage	200	F	2	200	400	-	
815	Restroom, Student - Male	160	F	1	160	160	-	
816	Restroom, Student - Female	160	F	1	160	160	-	
821	Restroom, Staff - Both Sexes	100	F	1	100	100	-	-
SPED Subtotal:						11,670		155
Visual/Performing Arts								
047	Art Classroom HS	1,200	T	2	1,200	2,400	25	50
091	Classroom/Instructional Storage	200	F	1	200	200	-	
095	Kiln Room	100	F	1	100	100	-	
076	Band Rehearsal Hall HS	4,500	T	1	4,500	4,500	150	150
086	Music Library	80	F	2	80	160	-	
322	Band Office #1	500	F	1	500	500	-	
084	Band Instrument & Sound System Storage	250	F	1	1,200	1,200	-	
085	Storage, Robe/Uniform	250	F	1	900	900	-	
085	Locker/Changing Room	250	F	1	1,500	1,500	-	
078	Percussion Room	350	T	1	1,500	1,500	-	
091	Color Guard Storage	200	F	1	200	200	-	
077	Orchestra Rehearsal Hall HS	3,500	T	1	3,500	3,500	75	75
322	Orchestra Office	500	F	1	250	250	-	
086	Music Library	80	F	2	80	160	-	
085	Storage, Robe/Uniform	250	F	1	160	160	-	
081	Practice room	80	F	16	100	1,600	-	
078	Ensemble	350	T	1	1,200	1,200	-	
075	Vocal Rehearsal Hall HS	2,000	T	1	2,000	2,000	75	75
322	Vocal Office	500	F	1	250	250	-	
086	Music Library	80	F	2	80	160	-	
085	Storage, Robe/Uniform	250	F	1	300	300	-	
114	Dance/Drill Team	1,500	T	1	1,500	1,500	25	25
085	Storage, Robe/Uniform	250	F	1	160	160	-	
084	D/DT Sound Equipment Storage	250	F	1	250	250	-	
370	Dressing Room	500	F	1	500	500	-	
322	Faculty Workroom	500	F	1	500	500	-	
306	Faculty Conference Room	250	F	1	250	250	-	
091	Faculty Resource, Storage	200	F	2	200	400	-	
361	Auditorium / Assembly	4,500	T	1	8,000	8,000	-	
371	Control Booth/Projection Room	200	F	4	200	800	-	
366	Stage	800	F	1	2,600	2,600	-	
370	Dressing Room	500	F	2	500	1,000	-	
367	Stage/Drama/Auditorium Storage	400	F	1	400	400	-	
366	Auditorium Storage (lofts, etc)	800	F	2	1,300	2,600	-	
371	Catwalk	200	F	1	200	200	-	
371	Light Lofts	200	F	2	200	400	-	
371	Control Booth/Projection Room	200	F	1	200	200	-	

HIGH SCHOOL PROGRAM (CONT'D)

Utilization	75%
Student Core Support Design Capacity	3,570
Student Maximum Design Capacity	3,399
Student Utilization Design Capacity	2,500

Code	Space Name	Standard Area	Cap.	Recommended			Capacity	Utilization
				Qty	NSF	Total		
050	Drama Classroom (opens to black box theater)	600	T	1	600	600	25	25
364	Theatre	3,500	T	1	3,500	3,500	25	25
367	Stage/Drama/Auditorium Storage	400	F	1	1,000	1,000	-	-
322	Drama Theater Arts Office	500	F	1	250	250	-	-
368	Drama Shop	1,000	F	1	1,000	1,000	-	-
821	Restroom, Staff - Both Sexes	100	F	2	100	200	-	-
815	Restroom, Student - Male	160	F	2	160	320	-	-
816	Restroom, Student - Female	160	F	2	160	320	-	-
Visual/Performing Arts Subtotal:						49,690		425
J.R.O.T.C.								
055	J.R.O.T.C. Classroom	900	T	2	900	1,800	25	50
057	Armory	120	F	1	120	120	-	-
085	Storage, Robe/Uniform	250	F	2	160	320	-	-
091	Classroom/Instructional Storage	200	F	1	200	200	-	-
322	J.R.O.T.C. Office (3 officers)	500	F	1	250	250	-	-
J.R.O.T.C. Subtotal:						2,690		50
Career Technology Education (CTE)								
221	Nutrition	1,400	T	3	1,800	5,400	25	75
120	Pantry/Laundry	500	F	3	500	1,500	-	-
015	Family Consumer Science	800	T	1	800	800	-	-
223	Culinary Arts Kitchen	1,800	T	1	5,000	5,000	25	25
401	Classroom/Dining	500	F	1	500	500	-	-
222	Interior/Fashion Design Lab	1,300	T	1	1,300	1,300	25	25
322	Fitting Room / Storage	500	F	1	500	500	-	-
207	Health Science Technology	3,000	T	1	3,000	3,000	25	25
201	Biomed / Health Science Lab	1,200	T	2	1,200	2,400	25	50
211	Biomed / Health Science Classroom	200	F	2	800	1,600	-	-
035	Marketing Education Classroom	900	T	1	900	900	25	25
091	Classroom/Instructional Storage	200	F	2	200	400	-	-
201	Business Management & Admin. Lab	1,200	T	8	1,200	9,600	25	200
322	Teacher Collaboration	500	F	2	500	1,000	-	-
205	Manufacturing (Welding / Metal)	3,600	T	1	3,600	3,600	25	25
211	Shop Tool Storage	200	F	1	200	200	-	-
211	Shop Storage	200	F	1	200	200	-	-
211	Shop Stock Storage	200	F	1	200	200	-	-
211	Shop Project Storage Rooms	200	F	8	200	1,600	-	-
205	Architecture & Construction	3,600	T	1	3,600	3,600	25	25
211	Shop Tool Storage	200	F	1	200	200	-	-
211	Shop Storage	200	F	1	200	200	-	-
211	Shop Stock Storage	200	F	1	200	200	-	-
211	Shop Project Storage Rooms	200	F	8	200	1,600	-	-
208	Agriculture, Food & Natural Resources	3,600	T	1	3,600	3,600	25	25
015	Classroom	800	T	2	800	1,600	22	44
209	Greenhouse	2,400	F	-	2,400	-	-	-
042	Greenhouse Prep	1,200	T	1	1,200	1,200	-	-
211	Shop Tool Storage	200	F	1	200	200	-	-
211	Shop Storage	200	F	1	200	200	-	-
211	Shop Stock Storage	200	F	1	200	200	-	-
211	Shop Project Storage Rooms	200	F	8	200	1,600	-	-
204	Arts, A/V Technology & Communications	1,800	T	2	1,800	3,600	25	50
042	Video Lab	1,200	T	2	1,200	2,400	-	-
042	Photography Lab	1,200	T	2	1,200	2,400	-	-
042	Advanced Animation	1,200	T	1	1,200	1,200	-	-

HIGH SCHOOL PROGRAM (CONT'D)

Utilization	75%
Student Core Support Design Capacity	3,570
Student Maximum Design Capacity	3,399
Student Utilization Design Capacity	2,500

Code	Space Name	Standard		Recommended			Capacity	Utilization
		Area	Cap.	Qty	NSF	Total		
204	STEM	1,800	T	3	1,800	5,400	25	75
211	Shop Tool Storage	200	F	1	200	200	-	
211	Shop Storage	200	F	1	200	200	-	
211	Shop Stock Storage	200	F	1	200	200	-	
211	Shop Project Storage Rooms	200	F	3	200	600	-	
204	Cosmetology	1,800	T	2	1,800	3,600	25	50
015	Classroom	800	T	2	800	1,600	-	
091	Chemical Storage	200	F	1	200	200	-	
091	Hardware Storage	200	F	1	200	200	-	
120	Washer / Drier Storage	500	F	1	500	500	-	
015	Shared Learning Spaces	800	T	6	800	4,800	-	
815	Restroom, Student - Male	160	F	2	160	320	-	
816	Restroom, Student - Female	160	F	2	160	320	-	
821	Restroom, Staff - Both Sexes	100	F	2	100	200	-	-
CTE Subtotal:						82,040		169
Functions Near the Commons								
301	Office, Assistant Principal # 2 & 3 @ Commons	175	F	2	175	350	-	
304	Reception Area (2 secretaries / waiting area)	300	F	1	300	300	-	
316	Student Resource Officer Office	100	F	1	100	100	-	
310	School Store	600	F	1	600	600	-	
594	Ancillary support storage	75	F	1	75	75	-	
304	Technology Help Desk Reception	160	F	1	160	160	-	
408	Technology Help Desk	200	F	1	200	200	-	
300	Technology Specialists Office	230	F	1	230	230	-	
594	Ancillary support storage	75	F	1	75	75	-	
316	Student Resource Officer Office	100	F	1	100	100	-	
063	Behavior/ISS Classroom	1,500	T	1	1,500	1,500	-	
Functions Near Commons Subtotal:						3,690		
Commons								
340	Dining Area	4,000	T	2	4,000	8,000	-	
349	Chair Storage	150	F	3	150	450	-	
341	Kitchen, Serving Area & Office	3,200	F	2	3,200	6,400	-	
342	Kitchen Food Prep	500	F	4	500	2,000	-	
342	Ware Wash	500	F	1	500	500	-	
316	Kitchen Manager's Office	100	F	1	100	100	-	
123	Staff Locker Room	450	F	1	450	450	-	
342	Kitchen Storage Area	500	F	1	500	500	-	
330	Receiving Area	100	F	1	100	100	-	
815	Restroom, Student - Male	160	F	2	160	320	-	
816	Restroom, Student - Female	160	F	2	160	320	-	
821	Restroom, Staff - Both Sexes	100	F	2	100	200	-	-
Commons Subtotal:						19,340		

HIGH SCHOOL PROGRAM (CONT'D)

Utilization	75%
Student Core Support Design Capacity	3,570
Student Maximum Design Capacity	3,399
Student Utilization Design Capacity	2,500

Code	Space Name	Standard	Cap.	Recommended			Capacity	Utilization
		Area		Qty	NSF	Total		
PE/Athletics								
122	SCHOLA / Team Room	2,500	F	1	2,000	2,000		
112	Gymnasium, High School	12,000	T	1	12,000	12,000	50	50
422	Gymnasium Lobby	300	F	1	300	300	-	
310	School Store	600	F	1	600	600	-	
113	Gymnasium, Auxillary	7,500	T	3	7,500	22,500	-	
118	Training Room	1,500	F	1	1,500	1,500	-	
115	Weight Room	2,500	T	1	2,500	2,500	-	
122	Boy's PE/Gym Dressing Area	2,500	F	1	4,500	4,500	-	
712	Boy's Outside P. E. Storage	100	F	1	100	100	-	
126	Head P. E. Coach Office	100	F	1	100	100	-	
322	Coach/Instructors Offices	500	F	1	250	250	-	
124	Lockers/Dressing/Toilets/Showers - Staff Male	450	F	1	450	450	-	
122	Boy's Athletic Dressing Locker Rooms	2,500	F	1	4,500	4,500	-	
121	Girl's PE/Gym Dressing Area	2,500	F	1	4,500	4,500	-	
126	Head P. E. Coach Office	100	F	2	100	200	-	
322	Coach/Instructors Offices	500	F	1	250	250	-	
123	Lockers/Dressing/Toilets/Showers - Staff Female	450	F	1	450	450	-	
121	Girl's Athletic Dressing Locker Rooms	2,500	F	1	4,500	4,500	-	
125	P. E. Storage	500	F	4	500	2,000	-	
085	Cheerleader Storage	250	F	1	250	250	-	
822	Restroom, Public Use - Male	900	F	1	900	900	-	
823	Restroom, Public Use - Female	900	F	1	900	900	-	
PE/Athletics Subtotal:						65,250		50
Athletic Field House								
122	Varsity Locker Rooms (60 lockers)	2,500	F	1	1,500	1,500	-	
122	Junior Varsity Locker Rooms (50 lockers)	2,500	F	1	1,500	1,500	-	
122	Sophomore Locker Rooms (60 lockers)	2,500	F	1	1,500	1,500	-	
122	Freshmen Locker Rooms (110 lockers)	2,500	F	1	1,500	1,500	-	
126	Head P. E. Coach Office	100	F	1	100	100	-	
126	Coach/Instructors Offices	100	F	1	100	100	-	
124	Lockers/Dressing/Toilets/Showers - Staff Male	450	F	1	450	450	-	
123	Lockers/Dressing/Toilets/Showers - Staff Female	450	F	1	450	450	-	
115	Weight Room	2,500	T	1	2,500	2,500	-	
116	Classroom for Films	900	T	1	900	900	-	
118	Training Room with whirlpool alcove	1,500	F	1	1,500	390	-	
126	Trainer Office	100	F	1	100	100	-	
125	Football Storage	500	F	1	500	500	-	
085	Football Uniform/Equipment Storage	250	F	1	250	250	-	
310	Vending Machines	600	F	1	600	600	-	
120	Laundry/Towel Distribution	500	F	1	500	500	-	
712	Storage, Outside	100	F	3	100	300	-	
712	Storage, Outside	100	F	3	100	300	-	
822	Restroom, Public Use - Male	900	F	1	900	900	-	
823	Restroom, Public Use - Female	900	F	1	900	900	-	
125	P. E. Storage	500	F	2	500	1,000	-	
Athletic Field House Subtotal:						16,240		
Site Requirements, Improvements								
999	Press Box Lift	-	F	1	499	499	-	
999	Junior Varsity Locker Rooms (50 lockers)	-	F	1	270	270	-	
999	Sophomore Locker Rooms (60 lockers)	-	F	1	270	270	-	
999	Freshmen Locker Rooms (110 lockers)	-	F	1	80	80	-	
209	Freshmen Locker Rooms (110 lockers)	2,400	F	1	1,800	1,800	-	
Site Requirements, Improvements Subtotal:						2,919		

HIGH SCHOOL PROGRAM (CONT'D)

Utilization	75%
Student Core Support Design Capacity	3,570
Student Maximum Design Capacity	3,399
Student Utilization Design Capacity	2,500

Code	Space Name	Standard	Cap.	Recommended			Capacity	Utilization
		Area		Qty	NSF	Total		
Non-Instructional 'Ancillary' Areas								
332	Custodial Office / Workroom / Break Area	120	F	1	120	120	-	
331	Custodial Service Closet	80	F	20	80	1,600	-	
712	Storage, Outside	100	F	3	100	300	-	
Non-Instructional Subtotal:						2,020		
Non-Net Space								
702	Central Plant	400	F	1	2,200	2,200	-	
312	Main Distribution Frame Room	200	F	1	400	400	-	
702	Mechanical Room	400	F	1	100	100	-	
702	Mechanical Room	400	F	1	200	200	-	
702	Mechanical Room	400	F	6	250	1,500	-	
702	Mechanical Room	400	F	6	300	1,800	-	
702	Mechanical Room	400	F	2	350	700	-	
702	Mechanical Room	400	F	4	400	1,600	-	
702	Mechanical Room	400	F	1	450	450	-	
702	Mechanical Room	400	F	3	600	1,800	-	
703	Electrical Closets	25	F	18	75	1,350	-	
313	Intermediate Distribution Frame Room	75	F	17	75	1,275	-	
Non-Net Subtotal:						13,375		
Total Net Assignable Square Feet						379,284	3399	
700	Restrooms Subtotal					11,140		
700	Non-Net Subtotal					15,395		
700	Circulation Subtotal					142,037	35%	
Total Gross Square Feet						547,856		

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Notes

We **need your help** and **value your support** for this important endeavor. If you have questions or comments about the educational adequacy assessment, the facility condition assessment, or have a particular school concern, you may contact:

Mr. Casey Morris

Project Director

Jacobs

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