

Abstracts of Funded Projects
Impact Aid ARRA Discretionary School Construction Grant Program
CFDA: 84.401A

Ft. Thomas Unified School District #7
P.O. Box 300
Fort Thomas, AZ 85536

Project Director: Leon Ben
(928) 485-9423
LBEN@FTTHOMAS.K12.AZ.US

Funding: \$3,867,598

The Ft. Thomas Unified School District is located on the San Carlos Apache Tribe Indian Reservation. Five years ago, the Ft. Thomas Unified School District constructed the Mt. Turnbull Academy with plans for future expansion. Unfortunately the school was built on unstable soil next to Highway 70 and the Eastern Arizona Railroad. The unstable soil and constant road and rail traffic has caused severe cracking of the foundation, separation of walls, leaks in plumbing, and, most significantly, environmental hazards that affect the health and welfare of the students and staff. This project will replace the existing Mt. Turnbull Academy with an energy efficient modular building that will be located in an area that is suitable for construction and will protect the children from exposure to the health and safety threats of the existing facility. The total cost of the project is \$5,020,435. The school district will contribute \$1,130,337 in local funds to the project. The project is scheduled to be completed in one year.

**Painted Desert Demonstration Projects DBA STAR School
145 Leupp Road
Flagstaff, AZ 86004**

Project Director: Mark W. Sorenson
(602) 412-3533
MARK@TTN.ORG

Funding: \$1,387,621

The STAR Charter School has experienced significant growth in the past several years. Due to limited classroom space in the existing school buildings, all classrooms are required to house multiple grades. Current enrollment dictates that lunch be provided in four shifts, starting at 10:30 am for the youngest children. Additionally, there is no space on the campus in which students can exercise or receive physical education required by State standards during the cold winter months. This modernization project will provide three additional classrooms, a kitchen, cafeteria, and a gymnasium. The project will maximize the use of energy efficient and recycled materials. In order to expedite the construction process and improve cost efficiency, the proposed building will be a design/build project using modular construction. The project will be completed in 21 months.

**Central Union School District
15783 18th Avenue
Lemoore, CA 93245**

Project Director: Jack Boogaard
(559) 925-2620
JBOOGAAR@CENTRAL.K12.CA.US

Funding: \$1,100,000

The Central Union School District is located south of the City of Lemoore in a rural area of Kings County. The proposed project would remediate an inadequate fire suppression system at the Central Union Elementary School. The county fire marshal has indicated that the existing groundwater well with pressure tank, built in the 1960s, is insufficient to provide the appropriate capacity for fire suppression at this site. The lack of an adequate fire suppression system poses a health and safety threat to the entire school population, consisting of 428 students and staff. The proposed project would connect the school to the adjacent water supply on the Tachi-Yokut Indian Reservation, which can provide the needed capacity and pressure for fire suppression at the school. The project will take approximately six months to complete.

Lapwai School District #341
P.O. Box 247
Lapwai, ID 83540-0247

Project Director: Terry N. Smith
(208) 843-2622
TSMITH@LAPWAI.US

Funding: \$3,699,882

The Lapwai Middle/High School building suffers from major mechanical and structural deficiencies such as extensive code violations, lack of fire suppression, lack of accessibility, extensive presence of asbestos, and major mechanical systems far beyond their useful life. The independent certification recommended that the district not expend further funds on renovations to this building. This emergency project will fund the construction of a new energy efficient building employing alternative building methods such as insulated concrete forms and structural insulated panels (SIPs), which will save ten percent on wall construction, cost and time. This project is expected to be completed in one year.

Derby Unified School District #260
120 East Washington Street
Derby, KS 67037-1489

Project Director: Gaylord L. Dold
(316) 788-8488
GDOLD@USD260.COM

Funding: \$2,120,000

Derby Unified School District is a suburban district just south of Wichita, Kansas. The Cooper Elementary School was built in 1954 and is no longer able to meet the needs of the current enrollment or to provide a comprehensive educational program to meet state standards. The current facility is a "U"-shaped structure with three inadequate portable classrooms at various locations on the campus. The proposed project will remodel the existing library/media center, create new classroom, office and study space. In addition, the project will create two new storage areas, upgrade restrooms and the electrical system, and replace lighting fixtures. The renovated facility will enable the district to provide an educational program to meet state standards in English, math, and physical education. In particular, the project will allow the district to provide quiet individualized instruction for more than 135 students requiring academic coaching. The project will include energy-efficient and recycled materials in the roofing, lighting, plumbing and flooring. The project will employ alternative building methods such as insulated concrete forms and aluminum composite panels that will reduce the time for construction. The project is expected to be completed within ten months of award.

**Baraga Township School District
210 Lyons Street
Baraga, MI 49908**

Project Director: Norman D. McKindles III
(906) 353-6664
MCK@UP.NET

Funding: \$382,676

The Baraga Area School District is a small rural district located in Baraga County of Michigan's Upper Peninsula, serving 527 students in grades K through 12. This emergency project at the Pelkie Elementary School will replace the current HVAC system, which is coal fired and was installed in 1937, with a state-of-the art high efficiency hot water boiler system that is managed and controlled electronically. This efficient and environmentally safe furnace system will use propane for fuel as natural gas is not available. The anticipated completion date for this project is September 30, 2010.

**Hardin Elementary School District #17-H
Route 1, Box 1001
Hardin, MT 59034**

Project Director: Jerry Guay
(406) 665-6447
JERRY.GUAY@HARDIN.K12.MT.US

Funding: \$1,492,598

The Hardin Middle School was constructed in 1978. The existing roofing structure is original to the building and has exceeded its useful life. The deterioration of the roof has caused serious property damage through flooding of both the exterior and interior of the facility. The excessive moisture poses a health and safety risk to students that are educated in the facility. In the winter, the water freezes in the gutters and the overflow freezes on the walkway. This causes a serious potential for slipping and injury for all of the building occupants. The insulation becomes saturated and has caused the fire suppression system to freeze on a number of occasions. The safety risk of an inoperable fire suppression system requires the project to be completed immediately. The proposed project will replace the failing roof system with a guaranteed Energy Smart thermoplastic membrane system and energy-efficient insulation. The project is expected to be completed within six months of the award. Hardin will contribute \$972,155 in local funds to this project.

Antlers Public School
P.O. Box 627
Antlers OK 74523-0627

Project Director: Mark Virden
(580) 298-5504
JJENT@CROSSTEL.NET

Funding: \$2,720,000

Brantly Elementary School, built in 1935, houses 305 elementary school children. The school has experienced severe water infiltration in the basement that has weakened the floor joists and the deck flooring. Mold is accumulating in the flooring system, and, because of a lack of proper ventilation, the mold is seeping into the classrooms. The strength of the flooring system is compromised, creating an immediate health and safety risk to students and staff. In addition to these conditions, the existing HVAC, roof, and windows do not meet current standards. The proposed project will replace the existing Brantly Elementary School with an energy-efficient, pre-engineered, steel structure. The school district will contribute \$100,000 in local funds for this project. The building is expected to be completed within 12 months of award.

Cave Springs School District
P.O. Box 200
Bunch, OK 74931

Project Director: Darlene Adair
(918) 775-2364
dadair@cavesprings.k12.ok.us

Funding: \$1,833,700

The Cave Springs Elementary School consists of 12,200 square feet comprising 13 classrooms and a cafeteria. The original building was constructed of metal barn components that do not have adequate structural strength to meet load support requirements. Due to its hillside location, the building floods during severe weather, forcing students to seek refuge in a nearby gymnasium building. The moisture infiltration has caused mold to accumulate in the insulation and carpet. This project will replace the existing facility with a 14,800 square foot energy-efficient modular facility. The project will be completed within nine months. The school district will contribute \$45,000 in local funds to the project.

Clayton Public School
P.O. Box 190 – 204 W. Pine Street
Clayton, OK 74536-0190

Project Director: Jim Dominick
(908) 569-4492
JDOMINICK@CLAYTON.K12.OK.US

Funding: \$316,604

The Clayton High School houses 137 students and 15 instructional and support personnel. The existing roof system is non-functioning and does not provide a barrier to water infiltration. Instructional areas must be vacated when it rains. The severe physical damage to the facility has prompted the closure of a 600 square foot classroom. The project will replace the current flat roof with a pitched roof, replace and relocate the roof-mounted HVAC system, and repair the mechanical and electrical damage related to water infiltration. The work is planned to be completed within 12 months of award. The district will contribute \$33,396 in local funds to this project.

Colcord Public Schools 21-1004-000
433 S. Larmon
Colcord, OK 74338-0188

Project Director: J.D. Parkerson
(918) 326-4116
JD@COLCORDSCHOOLS.COM

Funding: \$1,733,384

Colcord High School was built in 1956 and still maintains most of its original fixtures. There are a number of code violations that pose a health and safety threat to the occupants of the building. The primary threat is the lack of an adequate fire alarm system. Additionally, the structure is wooden with egresses that are too small to evacuate safely in case of an emergency. This project will remodel the interior of the high school, replace the roof, and replace the fire alarm and suppression system, add accessible drinking fountains, and replace seats and lockers inside the gymnasium. The project will use energy-efficient HVAC units, insulation and windows. The carpet will be made of recycled materials. The project will be completed within 12 months of award.

Kinta Public Schools 31-1013-000
Box 219
Kinta, OK 74552

Project Director: Patricia Deville
(918) 768-3338
JJENT@CROSSTEL.NET

Funding: \$979,674

The Kinta Classroom and Cafeteria Building, constructed in 1936, consists of two classrooms for 7th and 8th grades as well as a food preparation area and cafeteria. The existing structure has deficiencies that have led to a bat infestation in the interior ceiling of the building. In addition, the wood structure has non-fire rated wood paneling on some interior walls, which poses a life safety threat to all building occupants. To further exacerbate the problem, the school does not have a fire suppression system. The proposed project will strip the building to its solid exterior walls and completely renovate the interior space, replace the deteriorating ceiling, roof, and floor, and the HVAC system. The project will eliminate the fire safety issues as well as permanently fix the bat infestation problems. The school district will contribute \$20,000 in local funds to this project. The project will be completed within 12 months of award.

Locust Grove Public Schools
P.O. Box 399
Locust Grove, OK 74352-0399

Project Director: David C. Cash
(918) 479-6468
DCASH@LG.K12.OK.US

Funding: \$4,470,000

The Locust Grove Early Learning Center serves Pre-K-1st grades with a total population of 348 students and 57 staff. The original building was built in 1954 with additional construction in 1962. The building lacks a positive connection between the roof framing and the structure below, which could result in structural failure during a high wind event, as well as the absence of a lateral bracing system perpendicular to the metal frames. This project will replace the existing building, which has reached a point where renovation is no longer an option, with a new building that will use energy-efficient lighting and equipment. The interior components of the building will also include recycled and recyclable sustainable materials. The project should be completed within 15 months of award.

**Walters Public Schools
418 South Broadway
Walters, OK 3572-2039**

Project Director: Jimmie Dedmon
(580) 875-2568
JDedmonms@yahoo.com

Funding: \$2,883,899

Walters High School serves 202 students in a “U”-shaped building that was originally constructed in 1954. The high school carpentry class enclosed the middle of the facility in 1984 to accommodate additional classrooms. This modification was not properly engineered and poses several serious problems. The vinyl tile was laid over concrete and an active sewer manhole. In damp weather, the odor from the manhole permeates the classroom space. Further, the sewer has been identified as the source of a cockroach infestation. The roof is failing and has damaged the ceiling tiles and caused mold to grow. The ceiling tiles were laid over asbestos tile without abatement and the original asbestos tile in the original facility flooring is cracking. The electrical system is original to the facility and was “spliced” together with the addition. The system cannot support new technology and shorts out on a regular basis, which poses a fire safety threat to the occupants. This project would completely renovate the existing structure by stripping it down to the exterior shell. The new facility will maximize the use of energy efficient materials to reduce the environmental impact of the building. The sewer line will be relocated to outside the structure. The district will contribute \$25,000 in local funds to the project, which should be completed within 15 months of award.

**Pendleton School District 16R
1207 Southwest Frazer Avenue
Pendleton, OR 97801**

Project Director: Ken Lebsock
(541) 966-3268
KEN.LEBSOCK@PENDLETON.K12.OR.US

Funding: \$449,000

The Lincoln Primary School was built in 1904 and rebuilt in 1942 with an additional classroom wing added in 1975. The existing facility contains loose and exposed asbestos tile, windows that are painted with lead paint, and a 1975 HVAC system that does not meet current air quality standards. The proposed project would replace the flooring, replace single pane windows with upgraded, energy-efficient windows, and replace the current HVAC system. The district will contribute an additional \$46,700 for this project. The project is expected to be completed within 10 months of award.

McLaughlin Independent School District #21
P.O. Box 880
McLaughlin, SD 57642-0880

Project Director: Kevin M. Coles
 (605) 823-4484
KEVIN.COLES@K12.SD.US

Funding \$5,000,000

The McLaughlin Junior/Senior High School is faced with several emergency conditions, primarily related to fire hazards, which threaten the health and safety of students and instructors. The existing facility is a three-story, wood frame structure with no fire resistant walls. Interior stairways have combustible materials in paneled walls. The school lacks all fundamental fire suppression tools, has no third floor exterior exit, and the local volunteer fire department cannot provide fire suppression above the second floor due to a lack of water pressure. The project will construct a new facility that will include 70,000 square feet of instructional space for junior/senior classrooms, a multi-purpose room, green geothermal heat, and a connecting link to the media center. The new facility will be made of pre-cast concrete and will use energy-efficient materials that will save the district more than \$5 million over the life of the facility. The district will contribute an additional \$6.8 million to the total project cost. The project is expected to be completed within 24 months of award.

Mobridge School District #62-3
114 E. 10th Street
Mobridge, SD 57601

Project Director: Terry Kraft
 (605) 845-7227
TERRY.KRAFT@K12.SD.US

Funding: \$4,555,811

This project will address deficiencies at the General Beadle School, a multi-level wood frame structure built in 1928 that houses 3rd-5th graders. The existing facility was built with no fire resistant materials in the walls, floors or ceiling and lacks all fundamental fire suppression tools, as well as sufficient exterior exits. The school building's core electrical and mechanical systems violate building, fire and safety codes. The project will renovate 7,600 square feet of the existing Mobridge Pollock Middle School and will add 11,350 square feet of instructional space. The General Beadle School will be closed. The addition will use an energy-efficient HVAC system and Energy Star lighting and plumbing fixtures. Sensors will reduce electrical usage, and energy efficient windows and roofing materials will reduce heating and cooling costs. The project will be completed within 12 months of award.

**Shannon County Independent School District #1
P.O. Box 109
Batesland, SD 57716**

Project Director: Daniel Elwood
(605) 288-1921
DELWOOD@SHANNON.WS

Funding: \$5,000,000

Batesland School, a wood frame multi-level structure, was built in 1917. The existing facility's deficiencies include: fire barrier conditions that compromise the fire wall, inadequate ventilation, multiple serious electrical code violations, no fire sprinkler system, a mechanical room that lacks appropriate fire barrier material, and termite damage on the ground level. Additionally, the classrooms are in disrepair, lighting is inadequate, HVAC systems do not function efficiently, and kitchen facilities are substandard. The school building endangers the lives of the students, staff and visitors due to the fire, health and safety issues. The proposed project will demolish and rebuild the Batesland School building using concrete form masonry and energy efficient materials and mechanical units. The district will contribute an additional \$10.96 million to the project. The project is scheduled to be completed within 24 months of award.

**Timber Lake School District #20-3
500 Main Street, P.O. Box 1000
Timber Lake, SD 57656-1000**

Project Director: Frank Seiler
(605) 865-3654
FRANK.SEILER@K12.SD.US

Funding: \$5,127,865

The existing Timber Lake high school, constructed in 1939, contains 11 classrooms and a below-grade physical education/multipurpose room. All of the existing mechanical, electrical and structural systems are original to the building. A facility assessment concluded that the roof system is inadequate and has the potential for collapse in the event of heavy snow or wind. The school lacks an operating mechanical ventilation system and modifications to the natural ventilation system have compromised the circulation of fresh air and contributed to the presence of toxins and microbial growth. The building lacks appropriate fire barriers and doors in the classrooms and halls. In addition, the structure has suffered extensive termite damage in the fire rated corridors. The proposed project would demolish the existing facility and replace it with a pre-cast concrete structure to speed construction. The new facility will include energy efficient building materials and fixtures to reduce the cost and impact of the facility on the environment. The school district will contribute \$1.3 million in local funds to the project, which will be completed within 24 months of award.

**Eagle Pass Independent School District
1420 Eidson Road
Eagle Pass, TX 78852**

Project Director: Jesus Sanchez
(830) 773-5181
JSANCHEZ@EAGLEPASSISD.NET

Funding: \$1,225,400

The Ray H. Darr Elementary School presently has five portable buildings that accommodate six first grade classes, one Special Education classroom, and two pre-K classrooms. The buildings at times are infested with insects, rodents and reptiles when weather or seasonal changes occur. The buildings leak every time it rains, and the ceiling tiles fall down when they become saturated with water. The vinyl floor tiles are loose and crack into pieces as a result of the presence of rain water on the floor. This emergency project will fund the construction of a new wing to the existing building and eliminate the portable classrooms. The new building will use energy-efficient lighting and HVAC systems, will be made from recyclable steel components, and the windows will be double insulated, further reducing energy consumption. The project will be completed within 12 months of award.

**Socorro Independent School District
P.O. Box 292800
El Paso, TX 79929-2800**

Project Director: Charles L. Simien
(915) 937-0256
CSIMIE@SISD.NET

Funding: \$2,360,445

Americas High School is a nine-wing, two-level complex covering 300,000 square feet. A recent assessment found that the entire HVAC system is on the brink of catastrophic failure. The building has no operational windows and is 100 percent reliant on the HVAC unit for internal air movement and exchange. The existing system does not operate uniformly throughout the building, with temperature variances greater than 30 degrees in different sections of the building. Students and staff have had increased incidents of respiratory ailments due to the current system, and the school has had to close for a total of eight weeks over the past two years due to an inoperable HVAC system. This project will replace the HVAC system with an energy-efficient, integrated system to include air filtering, heating and cooling. The project will be completed within 12 months of award.

Portsmouth City School Board
P.O. Box 998
Portsmouth, VA 23705-0998

Project Director: Nita R. Mensia-Joseph
(757) 393-8332
NITA.MENSIA@PPS.K12.VA.US

Funding: \$3,745,000

The Lakeview Elementary School serves 595 students from low-income families. A recent assessment of air quality at the school found that the existing system does not meet current industry standards for air quality. Incidents of asthma among elementary school-aged children in Portsmouth have increased 25 percent over the past two years. The Virginia Asthma Coalition ranks Portsmouth as the 5th highest in the State for primary diagnoses of asthma and identifies allergies to pollens and molds in the environment as primary asthma triggers. The poor air quality at Lakeview has been traced to the excessive humidity in the building envelope and related mold problems at the facility. This project will replace or upgrade all systems and elements of the building envelope that allow moisture to enter or be retained. This includes replacing the roof, ceilings, windows, doors, and the HVAC system and will save the district more than \$8,000 a year in energy costs. Recycling of materials is expected to result in a maximum landfill contribution of less than 10 percent of the total quantity removed from the building. The project will be completed within 12 months of award.

Columbia School District
P.O. Box 7
Hunters, WA 99137-0007

Project Director: Rodney A. Pankey
(509) 722-3311
RPANKEY@COLUMBIA206.K12.WA.US

Funding: \$101,000

The Columbia Elementary and High School serves approximately 200 students in grades Pre-K-12 in a building with an area of approximately 57,000 square feet. The school was originally constructed in 1962, with an addition in 1982. Given the age of the building, several critical mechanical systems must be replaced in order to meet current electrical code standards. This project will replace the electrical service equipment and panels, existing lighting fixtures and exit lights. The lighting fixtures will be replaced with energy-efficient lamps and the exit lights will be replaced with LED-type fixtures. The district will contribute \$5,000 in local funds to this project, which will be completed within 12 months of award.

Wapato School District #207
P.O. Box 38
Wapato, WA 98951-1308

Project Director: Sylvia M. Bazan
(509) 877-4181
SYLVIAB@WAPATOSD.ORG

Funding: \$3,719,998

This project will address deficiencies at the Wapato High School, which was originally built in 1952, with additions in 1981 and 2005. A recent building assessment has identified a number of health and safety issues relating to the oldest parts of the facility. Architectural deficiencies include: a flat roof that promotes water pooling and compromises the integrity of the ceiling; exterior doors and windows that compromise safety; and the presence of asbestos tiles and insulation in the maintenance tunnels. The mechanical deficiencies include an HVAC system that is inadequate for air quality, comfort and air exchange, inadequate electrical systems, a plumbing system that threatens the potable water supply in the building, and an overall lack of fire suppression equipment. The science lab lacks a proper exhaust system and does not have any gas leak detection equipment. This project will replace the exterior doors, roof, floor tiles, windows, and HVAC system and add additional classrooms. The addition will use energy-efficient modular construction to reduce costs and expedite the construction process. The project will be completed within 24 months of award.