

**Putnam City Centennial Bond Proposal**  
**Tuesday, Aug. 26, 2014**

[Bond Proposal Details \(click below\)](#)

Apollo Elementary School

Arbor Grove Elementary School

Central Elementary School

Coronado Heights Elementary School

James L. Dennis Elementary School

Ralph Downs Elementary School

Harvest Hills Elementary School

Hilldale Elementary School

Kirkland Elementary School

Lake Park Elementary School

Northridge Elementary School

Overholser Elementary School

Rollingwood Elementary School

Tulakes Elementary School

Western Oaks Elementary School

Wiley Post Elementary School

Will Rogers Elementary School

Windsor Hills Elementary School

Capps Middle School

Cooper Middle School

Hefner Middle School

Mayfield Middle School

Western Oaks Middle School

Putnam City High School

Putnam City North High School

Putnam City West High School

Districtwide

School Buses

## **Apollo Elementary School**

### New Doors and Windows

This expenditure for new, energy efficient doors and windows at Apollo Elementary will lower utility bills, enabling taxpayer money to be spent for other, better purposes. The doors and windows in the building now were the ones originally in the building when it opened in 1970. The wear and tear of more than four decades of repeated opening and closing have created small but still significant alignment issues, meaning hot and cold air flows through gaps. In addition, doors and windows have single pane glass, as opposed to modern glass doors and windows that contain a thermal break to increase energy efficiency. It's estimated that new doors and windows are 50 percent more energy-efficient. Over time the cost of new doors and windows will be paid back several times through energy savings.

### Car Loop

At morning and afternoon pickup time the line of cars waiting to get into the parking lot is a long one, sometimes stretching several blocks west along NW 19<sup>th</sup> street. Each day this congestion limits access by ambulances or police or fire vehicles should they be called to school during student drop-off or pick-up time. These funds would be used to construct a long drive around the back of the school. Cars would enter the new drive from NW 19<sup>th</sup> at the west edge of school property and follow the drive around the edge of the property before exiting on to Peniel.

### Rest Room Remodel

This item would allow remodeling of four sets of restrooms so they are compliant with standards included in the Americans with Disabilities Act (ADA) of 2010. It's essential that rest rooms be designed to reflect a wide range of human needs, including people with wheelchairs and walking aids. ADA requires that every fixture and feature in a washroom be barrier-free so as to be usable by people with disabilities. Having ADA-compliant rest rooms is a matter of simple fairness so that everyone in school buildings has the accommodations they need.

### Stage Curtains

The Apollo Elementary gym includes a stage that is used for plays, programs and other events. The stage curtains, the same ones in place when the building opened 44 years ago, are tattered, torn and in need of replacement. New stage curtains would also meet current national fire code in terms of their flame-retardant capability.

### Additional

This bond proposal calls for Apollo and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing, student desks and chairs and playground equipment. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

**Arbor Grove Elementary School**

A new Arbor Grove Elementary School marked by sound, strong construction, modern learning environments, access to technology and energy efficiency opens in August 2014. The school, paid for by bonds approved by voters in 2009, has no additional structural needs at this time. The school will receive bond money for textbooks and technology, just as other schools do.

**Central Elementary School**

Central Elementary School opened in a new building in 2009. Like the new Arbor Grove Elementary, it's a new and well-designed building that has no major structural needs at this time. The school will receive bond money for textbooks and technology, just as other schools do.

## **Coronado Heights Elementary School**

### Replace Water Lines

The underground line that brings water into Coronado Heights is the same line that was in place when the building opened in 1959. Like many ductile iron pipes of that era, corrosion and soil stress have weakened it over time. The brittle pipe has already broken once, causing a day of school to be canceled. Replacement of the pipe is necessary to make sure another line break doesn't again cause the loss of a school day.

### Rest Room Remodel

This item would allow remodeling of six sets of restrooms so they are compliant with standards included in the Americans with Disabilities Act (ADA) of 2010. It's essential that rest rooms be designed to reflect a wide range of human needs, including people with wheelchairs and walking aids. ADA requires that every fixture and feature in a washroom be barrier-free so as to be usable by people with disabilities. Having ADA-compliant rest rooms is a matter of simple fairness so that everyone in school buildings has the accommodations they need.

### Bleachers

The gymnasium bleachers at Coronado Heights Elementary are the same ones in place when the school opened in 1967. Now 55 years old, the bleachers are difficult to fold in or out safely and replacements for any missing or broken bleacher parts cannot be found.

### Stage Curtains

The Coronado Heights Elementary gym includes a stage that is used for plays, programs and other events. The stage curtains, the same ones in place when the building opened 55 years ago, are tattered, torn and in need of replacement. New stage curtains would also meet current national fire code in terms of their flame-retardant capability.

### Additional

This bond proposal calls for Coronado Heights and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing, student desks and chairs and playground equipment. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **James L. Dennis Elementary School**

### Electric Upgrade

With the emergence of technology, schools have greater needs for electrical power than they did many years ago. Upgrading the electrical feed and replacing switchgear (the wiring and devices that bring electrical power into a building) is necessary to adequately power older school buildings like Dennis Elementary, which opened in 1979. Switchgear brings a number of very important functions together in one package. It includes:

- Control devices that check and/or regulate the flow of power.
- Switching and interrupting devices that are used to turn power on or off.
- Metering devices that are used to measure the flow of electric power.
- Protective devices that are used to protect power service from interruption, and to prevent or limit damage to equipment.

### Doors and Windows

This expenditure for new, energy efficient doors and windows at James L. Dennis Elementary will lower utility bills, enabling taxpayer money to be spent for other, better purposes. The doors and windows in the building now were the ones originally in the building when it opened in 1979. The wear and tear of almost four decades of repeated opening and closing have created small but still significant alignment issues, meaning hot and cold air flows through gaps. In addition, doors and windows have single pane glass, as opposed to modern glass doors and windows that contain a thermal break to increase energy efficiency. It's estimated that new doors and windows are 45 percent more energy-efficient. Over time the cost of new doors and windows will be paid back several times through energy savings.

### Resurface Playground

The asphalt playground at James L. Dennis Elementary was last resurfaced in 1996. Issues that crop up in the asphalt are repaired, but the age of the paving and the use it gets still leaves it crumbling, cracked and deteriorating. This is a situation that in time could create unsafe situations for students. It's time to repave the playground rather than put more patches on it.

### Rest Room Remodel

This item would allow remodeling of two sets of restrooms so they are compliant with standards included in the Americans with Disabilities Act (ADA) of 2010. It's essential that rest rooms be designed to reflect a wide range of human needs, including people with wheelchairs and walking aids. ADA requires that every fixture and feature in a washroom be barrier-free so as to be usable by people with disabilities. Having ADA-compliant rest rooms is a matter of simple fairness so that everyone in school buildings has the accommodations they need.

### Bleachers

The gymnasium bleachers at Dennis Elementary are the same ones in place when the school opened in 1979. Now 35 years old, the bleachers are difficult to fold in or out safely and replacements for any missing or broken bleacher parts cannot be found.

### Additional

This bond proposal calls for James L. Dennis and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing, student desks and chairs and playground equipment. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **Ralph Downs Elementary School**

### Interior Storm Shelters

Ralph Downs Elementary School is known for its natural light-filled classrooms and hallways. As a learning environment, the school excels. As shelter from Oklahoma's tornadoes, the building needs modification. That's what this item provides. Six classrooms will be transformed into safe rooms in which all of the school's students may shelter in the event of tornadoes. The classrooms will still look and function as regular classrooms, but will be protected by new structural components designed to withstand tornadic winds.

### Security Doors

Currently the doors to the library and most classroom areas are 30-year-old traditional doors. This item would replace those doors with new security doors that can be locked from the office in an emergency, adding another layer of protection to the schools.

### Security Lighting

To provide extra lighting and security for night activities and to help prevent vandalism, additional poles and lighting will be added to the school's east parking lot and playground area.

### Flooring

This item will allow replacement of all carpet in the school's front gallery and library. The carpet in those areas now was in place when the building opened in 1990. As one might imagine, having 600 people a day walking on it for 24 years has left it worn, torn, frayed and stained. New carpet has stronger fibers, is more stain resistant and has antimicrobial properties. Putting down carpet in carpet squares makes it possible to easily replace small areas that be permanently damaged.

### Stage Curtains

The Ralph Downs Elementary cafeteria includes a stage that is used for plays, programs and other events. The stage curtains, the same ones in place when the building opened 24 years ago, are tattered, torn and in need of replacement. New stage curtains would also meet current national fire code in terms of their flame-retardant capability.

### Additional

This bond proposal calls for Ralph Downs and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing, student desks and chairs and playground equipment. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **Harvest Hills Elementary School**

### Aluminum Panels to Replace Low Glass Panels

Harvest Hills Elementary has eight sets of windows that go to ground level. These windows are most commonly found in entry doors and windows next to entry doors. The lower sections of the windows are too often cracked or broken by flying debris from mowers and trimmers. This item would allow replacement of low glass panels with sturdy insulated aluminum panels that don't crack or break.

### Rest Room Remodel

This item would allow remodeling of three sets of restrooms so they are compliant with standards included in the Americans with Disabilities Act (ADA) of 2010. It's essential that rest rooms be designed to reflect a wide range of human needs, including people with wheelchairs and walking aids. ADA requires that every fixture and feature in a washroom be barrier-free so as to be usable by people with disabilities. Having ADA-compliant rest rooms is a matter of simple fairness so that everyone in school buildings has the accommodations they need.

### Bleachers

The gymnasium bleachers at Harvest Hills Elementary are the same ones in place when the school opened in 1975. Now 39 years old, the bleachers are difficult to fold in or out safely and replacements for any missing or broken bleacher parts cannot be found.

### Stage Curtains

The Harvest Hills Elementary cafeteria includes a stage that is used for plays, programs and other events. The stage curtains, the same ones in place when the building opened 39 years ago, are tattered, torn and in need of replacement. New stage curtains would also meet current national fire code in terms of their flame-retardant capability.

### Additional

This bond proposal calls for Harvest Hills and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing, student desks and chairs and playground equipment. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **Hilldale Elementary School**

### Early Childcare Center and Storm Shelter

Ten years ago Hilldale Elementary School had 551 students. Today, 731 students attend the school, and it's still growing. The school's greatest current need is for more pre-kindergarten classroom space. This item calls for tearing down an old, small, freestanding building at Hilldale that currently holds three pre-kindergarten classes, a classroom used by gifted and talented students and an office for a speech pathologist. A new and larger building would be built on the same spot. Designated as an early childhood center, it would hold 10 classrooms, mostly for pre-kindergarten students but also some classrooms for kindergarten students. The new building would also physically connect to the rest of the school, unlike the current stand-alone building. As part of the project, an early childhood playground would be constructed in the nearby school courtyard.

What makes this project stand out is its other function. The new building would be constructed in such a way that it would serve as a tornado shelter for the entire school population.

### Drainage Improvement

Storm drainage for a section of the drive on the north end of Hilldale Elementary is sometimes inadequate for the amount of water that flows to it. As a result, after even moderate rainfall there is ponding 2 to 3 inches deep. If excess water doesn't drain away during cold temperatures, the water freezes and makes walking and driving less safe than it should be for students, staff and parents. Repeated freezing and thawing takes a toll on pavement, causing it to deteriorate sooner than it should.

### Bleachers

The gymnasium bleachers at Hilldale Elementary are the same ones in place when the school opened in 1959. Now 55 years old, the bleachers are difficult to fold in or out safely and replacements for any missing or broken bleacher parts cannot be found.

### Stage Curtains

The Hilldale Elementary gym includes a stage that is used for plays, programs and other events. The stage curtains, the same ones in place when the building opened 55 years ago, are tattered, torn and in need of replacement. New stage curtains would also meet current national fire code in terms of their flame-retardant capability.

Additional

This bond proposal calls for Hilldale and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing, student desks and chairs and playground equipment. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **Kirkland Elementary School**

### Paving West Parking Lot

Kirkland Elementary School's parking lot on the west side of the building is badly in need of repaving. Its cracks, holes and crumbling surface make it a hazard for students, staff and visitors who walk across it.

### Drainage Improvement

Poor storm drainage on the south side of the building is creating a problem at Kirkland Elementary. The water that runs off the building and the grounds flows to the east side of the building. There, it creates a small pond that seeps through the foundation and into the building, damaging carpet and other flooring. Potentially, over time the water could erode and damage the building foundation itself. This item will allow installation of structures to catch and drain water, halting the ponding effect and any effect on the building.

### Bleachers

The gymnasium bleachers at Kirkland Elementary are the same one in place when the school opened in 1959. Now 57 years old, the bleachers are difficult to fold in or out safely and replacements for any missing or broken bleacher parts cannot be found.

### Stage Curtains

The Kirkland Elementary gym includes a stage that is used for plays, programs and other events. The stage curtains, the same ones in place when the building opened 57 years ago, are tattered, torn and in need of replacement. New stage curtains would also meet current national fire code in terms of their flame-retardant capability.

### Stage Lighting and Sound System

Kirkland Elementary's gymnasium sound system and stage lighting systems are the same systems installed when the building was constructed. The systems no longer work well. Sound can be inconsistent and garbled, making it difficult for remarks to be understood. Lights have never been sufficient to make students stand out on stage. As a result, parents, students and staff alike have trouble adequately seeing and hearing at student recognition, plays, programs and other events.

Additional

This bond proposal calls for Kirkland and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing, student desks and chairs and playground equipment. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **Lake Park Elementary School**

### New Library Media Center and Tornado Shelter

Lake Park Elementary has one of the smallest libraries in the district. It was formed many years ago by merging two classrooms. The size of the library is limiting. As a place to gather, research, read and check out books to take home, school libraries have always been the heart of school buildings. Changes in learning standards have only increased the need for good school libraries. In era of education we're currently in, students do more research than they used to. Standards require not just that students write, but that they write persuasively by providing evidence to back up the points they make. Opinion is not enough; opinion plus research is the requirement. And while students can access the Internet, an unbelievable collection of information, the problem is that it is a collection of information that can't always be believed. Students still need libraries in order to have ready access to databases and known and credible informational materials. Libraries also stock information that is either not available or not available for free on the Internet.

In part because of new standards, libraries are used more than in the past. It used to be common to see one class in a library at a time. Now the reality is that the need is for multiple classes in library at on time. One class may be researching while another is checking out books and another is receiving a lesson from a librarian.

Because it's difficult for students and teachers to get full and best use out of a small library like Lake Park's, this item called for construction of a new and larger library. The library will be constructed in such a way as to meet FEMA standards regarding tornado shelters, meaning the entire Lake Park student body can use it as a safe room.

### Construction of Permanent Walls to Replace Classroom Partitions

Lake Park Elementary has areas in the building where classrooms are separated by folding partitions that have been in place for decades. The partitions have never been ideal. Noise travels through partitions too easily, creating distractions and making it harder for students in each classroom to pay attention to instruction. Most learning activities in classrooms are verbal and involve listening to speech. This is especially true for younger students whose reading and writing skills are still developing. If students cannot readily understand all of the teacher's words due to interfering noise or poor room acoustics, then the learning process is more difficult. It is therefore important that the acoustical conditions in classrooms be specially designed to encourage and not impede the learning activities that take place in these rooms. This item would allow removal of the nine partitions in the building and construction of permanent walls. Walls would not only make classrooms quieter; they would also house additional electrical outlets and data ports that partitions cannot.

### Bleacher Covers

Lake Park Elementary's gymnasium bleachers are not the kind of bleachers that fold out from or into a wall. They instead are fixed in place, permanently built into the framing of the floor when the school opened in 1966. One concern about the 48-year old wooden bleachers is that they are beginning to splinter. In addition, each bleacher bench is built out of three parallel slats of wood, meaning children's fingers can be caught between slats. An inexpensive fix for the problems are plastic bleacher covers.

### Stage Curtains

The Lake Park Elementary gym includes a stage that is used for plays, programs and other events. The stage curtains, the same ones in place when the building opened 48 years ago, are tattered, torn and in need of replacement. New stage curtains would also meet current national fire code in terms of their flame-retardant capability.

### Playground Resurfacing

The asphalt playground at Lake Park Elementary is old, crumbling and cracked. Areas of asphalt are deteriorating into pieces and particles that cause unstable footing and sliding for students. The playground needs to be resurfaced.

### Additional

This bond proposal calls for Lake Park and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing, student desks and chairs and playground equipment. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **Northridge Elementary School**

### New Elevator Controls

Northridge Elementary is a two-story building that opened in 1980. The school's elevator is 34 years old. It breaks down often and its control system needs updating. Controls are the brains of the elevator, and if they aren't working well the elevator doesn't work well, either. In addition, parts are difficult to get and may even require custom fabrication. For the benefit of students, staff or visitors who need an elevator to get from one floor to the other, controls should be replaced before they fail and cause the elevator to be out of service for an extended amount of time.

### Construction of Permanent Walls to Replace Classroom Partitions

Northridge Elementary has areas in the building where classrooms are separated by folding partitions that have been in place for decades. The partitions have never been ideal. Noise travels through partitions too easily, creating distractions and making it harder for students in each classroom to pay attention to instruction. Most learning activities in classrooms are verbal and involve listening to speech. This is especially true for younger students whose reading and writing skills are still developing. If students cannot readily understand all of the teacher's words due to interfering noise or poor room acoustics, then the learning process is more difficult. It is therefore important that the acoustical conditions in classrooms be specially designed to encourage and not impede the learning activities that take place in these rooms. This item would allow removal of the eight partitions in the building and construction of permanent walls. Walls would not only make classrooms quieter; they would also house additional electrical outlets and data ports that partitions cannot.

### New Walk-in Freezer and Refrigerator

The walk-in freezer and refrigerator at Northridge Elementary are the ones that were in the building when it opened in 1980. The school has grown substantially in population since that time, now housing about 680 students. The existing walk-in freezer and refrigerator are too small, making food storage and preparation difficult and less efficient than it needs to be.

### Folding Partition Reface

The cafeteria and gym at Northridge are separated by a large vinyl-sided partition. The partition is the same one in place when the building opened 34 years ago. Decades of wear and tear on each side of the partition have taken a toll on the partition. A durable plastic laminate attached to both sides of the partition will cover damaged areas and prevent new damage.

### Rest Room Remodel

This item would allow remodeling of four sets of restrooms so they are compliant with standards included in the Americans with Disabilities Act (ADA) of 2010. It's essential that rest rooms be designed to reflect a wide range of human needs, including people with wheelchairs and walking aids. ADA requires that every fixture and feature in a washroom be barrier-free so as to be usable by people with disabilities. Having ADA-compliant rest rooms is a matter of simple fairness so that everyone in school buildings has the accommodations they need.

### Bleachers

The gymnasium bleachers at Northridge Elementary are the same ones in place when the school opened in 1980. Now 34 years old, the bleachers are difficult to fold in or out safely and replacements for any missing or broken bleacher parts cannot be found.

### Stage Curtains

The Northridge Elementary cafeteria includes a stage that is used for plays, programs and other events. The stage curtains, the same ones in place when the building opened 34 years ago, are tattered, torn and in need of replacement. New stage curtains would also meet current national fire code in terms of their flame-retardant capability.

### Additional

This bond proposal calls for Northridge and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing, student desks and chairs and playground equipment. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **Overholser Elementary School**

### Add Doors

This item would allow better access to the cafeteria and stage for parents, grandparents and other visitors who come to the school to see student programs or attend assemblies. At the same time, changes would also increase security. Currently, hundreds of visitors coming to school programs use a single 3-foot door near the main school entrance to enter the cafeteria. A double door would give quicker, better entrance and exit to visitors coming for school events. Adding the capability for staff to electronically lock or unlock the door from the office increases security.

### Heating and Air-conditioning Units

This item calls for replacement of rooftop units that provide heating and air-conditioning to the Overholser Elementary gymnasium. The units currently in place are about 22 years old, older than the projected 15 to 20-year lifespan for most such units. And while these units are regularly serviced so that filters are changed, coils cleaned, belts checked and issues identified, units near the end of their useful life, as these are, nevertheless break down more frequently than is desirable. Beyond that, outdated and inefficient heating and air-conditioning units are expensive to operate, expensive to maintain and do not provide comfortable environments.

Aging units are replaced with new, energy-efficient units. Even greater energy efficiency is added when they are then connected to the district's energy management system. While school personnel can turn on units to heat or cool spaces as needed, the units can also be controlled by the district from a central location. That means the district doesn't have to rely on people in the building to remember to shut them down when they are not needed.

### Walking Track

Of all the tracks at district elementary schools, only the track at Overholser is unpaved. The track on which Overholser students and staff get daily walking exercise is composed of gravel. This item calls for installation of an asphalt track, which would offer more usable days for walking and more opportunities for fitness than does a gravel track. An asphalt track is also safer for walking because the surface is stable, unlike gravel which can slide and cause slips and falls. In addition, asphalt means reduced maintenance costs because it doesn't have to be replenished, like gravel, and weeds and grass don't grow in it.

### Car Loop

At morning and afternoon the pickup time the line of cars waiting to get into Overholser's small front parking lot is a long one, sometimes stretching several blocks west along both NW 36<sup>th</sup> and Council Rd. Each day vehicle congestion limits access by ambulances or police or fire vehicles should they be called

to school during student drop-off or pick-up time. The current configuration of cars and student drop off and pick up also means that some students must cross in the path of car traffic on school grounds in order to get where they are going. These funds would be used to construct a long, two-lane drive around the back of the school. Cars would enter the new drive from NW 36<sup>th</sup> at the northeast corner of school property and follow the drive around the edge of the property before exiting west on to Council.

#### Bleachers

The gymnasium bleachers at Overholser Elementary are the same ones in place when the school opened in 1964. Now a half-century old, the bleachers are difficult to fold in or out safely and replacements for any missing or broken bleacher parts cannot be found.

#### Rest Room Remodel

This item would allow remodeling of three sets of restrooms so they are compliant with standards included in the Americans with Disabilities Act (ADA) of 2010. It's essential that rest rooms be designed to reflect a wide range of human needs, including people with wheelchairs and walking aids. ADA requires that every fixture and feature in a washroom be barrier-free so as to be usable by people with disabilities. Having ADA-compliant rest rooms is a matter of simple fairness so that everyone in school buildings has the accommodations they need.

#### Additional

This bond proposal calls for Overholser and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing, student desks and chairs and playground equipment. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **Rollingwood Elementary School**

### New Roof

Every school building has a roof, and at some point every roof needs replacement. An unsound roof can cause moisture damage anywhere in the school and lead to a host of maintenance problems. A leaking roof can seriously disrupt the learning environment at any time. Depending on where leaks occur and damages show up, classes might have to move. Books or other learning materials can be damaged.

This item calls for replacement of 20-year-old flat roof sections with a new thermoplastic polyolefin roof, better known by its acronym, TPO. TPO roofs seal out water, resist heat and light aging and are more energy-efficient than traditional flat roofs.

Replacing roofs saves taxpayers and the district on energy costs by protecting insulation and preventing sheet metal rusting and other deterioration. Roof replacement costs money, but not nearly as much as not replacing them.

### Heating and Air-conditioning Units

This item calls for replacement of rooftop units that provide heating and air-conditioning every area of Rollingwood except the office, two new classrooms and the new cafeteria. The rooftop heat and air units currently in place are about 30 years old, well more than the projected 15 to 20-year lifespan for most such units. And while these units are regularly serviced so that filters are changed, coils cleaned, belts checked and issues identified, units near the end of their useful life, as these are, nevertheless break down more frequently than is desirable. Beyond that, outdated and inefficient heating and air-conditioning units are expensive to operate, expensive to maintain and do not provide comfortable environments.

Aging units are replaced with new, energy-efficient units. Even greater energy efficiency is added when they are then connected to the district's energy management system. While school personnel can turn on units to heat or cool spaces as needed, the units can also be controlled by the district from a central location. That means the district doesn't have to rely on people in the building to remember to shut them down when they are not needed.

### Replace Water Main to Building

The underground line that brings water into Rollingwood is the same line that was in place when the building opened in 1963. Like many ductile iron pipes that old, corrosion, soil stress and age have weakened it over time. That puts it at risk to break, and there is no convenient time for that to happen. No water supply to a school means no working restrooms, no food preparation and ultimately no ability to have students in school. Replacement of the pipe is necessary to make sure a line break doesn't cause the loss of a school day.

### Gym Flooring

In the last 10 years, many elementary gym floors have been replaced as needed using either bond funds or MAPS for Kids funds. The old artificial gym floors, made of poured urethane, had bubbling, chipping and cracking that created potential for students falls and injuries. Now, the gym at Rollingwood Elementary has noticeable signs of the same kind of deterioration and is in need of replacement. The replacement surface is known as “mondo,” a synthetic rubber floor that looks and plays like wood, is resilient like rubber, needs little maintenance and is exceptionally durable.

### Rest Room Remodel

This item would allow remodeling of six sets of restrooms they are compliant with standards included in the Americans with Disabilities Act (ADA) of 2010. It's essential that rest rooms be designed to reflect a wide range of human needs, including people with wheelchairs and walking aids. ADA requires that every fixture and feature in a washroom be barrier-free so as to be usable by people with disabilities. Having ADA-compliant rest rooms is a matter of simple fairness so that everyone in school buildings has the accommodations they need.

### Bleachers

The gymnasium bleachers at Rollingwood Elementary are the same one in place when the school opened in 1963. Now 51 years old, the bleachers are difficult to fold in or out safely and replacements for any missing or broken bleacher parts cannot be found.

### Stage Curtains

The Rollingwood Elementary gym includes a stage that is used for plays, programs and other events. The stage curtains, the same ones in place when the building opened 51 years ago, are tattered, torn and in need of replacement. New stage curtains would also meet current national fire code in terms of their flame-retardant capability.

### Stage Lighting and Sound System

Rollingwood Elementary's gymnasium sound system and stage lighting systems are the same systems installed when the building was constructed. The systems no longer work well. Sound can be inconsistent and garbled, making it difficult for remarks to be understood. Lights have never been sufficient to make students stand out on stage. As a result, parents, students and staff alike have trouble adequately seeing and hearing at student recognition, plays, programs and other events.

### Additional

This bond proposal calls for Rollingwood and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing, student desks and chairs and playground equipment. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **Tulakes Elementary School**

### New Parking Lot at Front of School

The parking capacity at Tulakes Elementary is such that added space is necessary, especially for parents and other visitors to the school. This item calls for a new parking lot to be added at the front of the school.

### Flooring

The hallways at Tulakes Elementary are carpeted. The carpet has been in place at least 20 years, long enough that it has lost adhesion to the floor and ripple in some places, creating a trip hazard for students and staff. The carpet is stained, edges are frayed and some seams are tearing. This item calls for removing the carpeting and installing floors that are quiet, resistant to abrasions, scratches, skids, easy to clean and don't require waxing. Such floors are an excellent choice for elementary school hallways.

### Electric Upgrade and Intercom

With the emergence of technology, schools have greater needs for electrical power than they did many years ago. Upgrading the electrical feed and replacing switchgear (the wiring and devices that bring electrical power into a building) is necessary to adequately power older school buildings like Tulakes Elementary, which opened in 1967. Switchgear brings a number of very important functions together in one package. It includes:

- Control devices that check and/or regulate the flow of power.
- Switching and interrupting devices that are used to turn power on or off.
- Metering devices that are used to measure the flow of electric power.
- Protective devices that are used to protect power service from interruption, and to prevent or limit damage to equipment.

In addition to the need to the electrical upgrade, the school also needs a new intercom. The intercom is an important and essential part of a school's communication system. At Tulakes, the current intercom was the one in place when the school opened in 1967. Sound quality is poor and parts would be difficult if not impossible to get should the system break.

### Bleachers

The gymnasium bleachers at Tulakes Elementary are the same ones in place when the school opened in 1967. Now 47 years old, the bleachers are difficult to fold in or out safely and replacement parts for any missing or broken bleacher parts are not available.

### Stage Curtains

The Tulakes Elementary gym includes a stage that is used for plays, programs and other events. The stage curtains, the same ones in place when the building opened 51 years ago, are tattered, torn and in need of replacement. New stage curtains would also meet current national fire code in terms of their flame-retardant capability.

### Stage Lighting and Sound System

Tulakes Elementary's gymnasium sound system and stage lighting systems are the same systems installed when the building was constructed. The systems no longer work well. Sound can be inconsistent and garbled, making it difficult for remarks to be understood. Lights have never been sufficient to make students stand out on stage. As a result, parents, students and staff alike have trouble adequately seeing and hearing at student recognition, plays, programs and other events.

### Additional

This bond proposal calls for Tulakes and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing, student desks and chairs and playground equipment. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **Western Oaks Elementary School**

### Kitchen renovation

Ten years ago the staff working in the kitchen at Western Oaks Elementary was responsible for feeding most of the 574 students in the building. Now, the school has 711 students, increasing the number of meals that must be prepared and served each day. The kitchen is not as big as it should be for the number of students in the school, thus making it difficult to prepare adequate amounts of food in a timely manner. The greater number of students is not the only challenge for the small kitchen at Western Oaks, however. Changing government requirements about food service in schools have significantly changed how foods must be prepared. To meet those requirements, Western Oaks' kitchen must be restructured, reorganized and retooled. New steamers, kettles, prep tables, stoves and ovens must be installed in order to prepare food that meets new requirements. A walk-in freezer and refrigerator, which the school does not currently have, must be added in order to make food storage and preparation more efficient.

### Bleachers

The gymnasium bleachers at Western Oaks Elementary are the same one in place when the school opened in 1963. Now 51 years old, the bleachers are difficult to fold in or out safely and replacement parts for any missing or broken bleacher parts are not available.

### Rest Room Remodel

This item would allow remodeling of three sets of restrooms they are compliant with standards included in the Americans with Disabilities Act (ADA) of 2010. It's essential that rest rooms be designed to reflect a wide range of human needs, including people with wheelchairs and walking aids. ADA requires that every fixture and feature in a washroom be barrier-free so as to be usable by people with disabilities. Having ADA-compliant rest rooms is a matter of simple fairness so that everyone in school buildings has the accommodations they need.

### Additional

This bond proposal calls for Western Oaks and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing, student desks and chairs and playground equipment. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **Wiley Post Elementary School**

### Electrical Upgrade

With the emergence of technology, schools have greater needs for electrical power than they did many years ago. Upgrading the electrical feed and replacing switchgear (the wiring and devices that bring electrical power into a building) is necessary to adequately power older school buildings like Wiley Post Elementary, which opened in 1973. Switchgear brings a number of very important functions together in one package. It includes:

- Control devices that check and/or regulate the flow of power.
- Switching and interrupting devices that are used to turn power on or off.
- Metering devices that are used to measure the flow of electric power.
- Protective devices that are used to protect power service from interruption, and to prevent or limit damage to equipment.

### Rest Room Remodel

This item would allow remodeling of seven sets of restrooms so they are compliant with standards included in the Americans with Disabilities Act (ADA) of 2010. It's essential that rest rooms be designed to reflect a wide range of human needs, including people with wheelchairs and walking aids. ADA requires that every fixture and feature in a washroom be barrier-free so as to be usable by people with disabilities. Having ADA-compliant rest rooms is a matter of simple fairness so that everyone in school buildings has the accommodations they need.

### New East Sidewalk

When Wiley Post Elementary kindergarten students leave their wing to go to the playground, the direct route takes them on grass and dirt down a steep hill. Their route is turning into a path, but not one that is traversable by students or staff with limited mobility. This is an easy and inexpensive fix: pave the path that is being used, taking care to make sure the slope of the path is appropriate for anyone who might use it.

### New Doors and Windows

This item calls for replacing three sets of single doors and adjacent windows that were in place when the building opened in 1973. The doors are old and troublesome. The mechanisms that should close doors often don't, and repairs aren't possible because corrosion of the frames makes it impossible to attach new mechanisms. The wear and tear of more than four decades of repeated opening and closing have created small but still significant alignment issues, meaning hot and cold air flows through gaps. The windows adjacent to the doors have single pane glass, as opposed to modern glass windows that contain a thermal break to increase energy efficiency. It's estimated that new windows are 45 percent more

energy-efficient than the 41-year-old windows in place now. New doors are more energy-efficient, too, because they are made with newer and better materials, will be better aligned with frames and have bottom sections that are not glass but instead 1-inch insulated panels.

#### Bleacher Covers

Wiley Post Elementary's gymnasium bleachers are not the kind of bleachers that fold out from or into a wall. They instead are fixed in place, permanently built into the framing of the floor when the school opened in 1973. One concern about the 41-year old wooden bleachers is that they are beginning to splinter. In addition, each bleacher bench is built out of three parallel slats of wood, meaning children's fingers can be caught between slats. An inexpensive fix for the problems are plastic bleacher covers.

#### Heating and Air-conditioning Units

This item calls for replacement of rooftop units that provide heating and air-conditioning to the Wiley Post Elementary office and clinic area. The units currently in place are about 40 years old, well more than the projected 15 to 20-year lifespan for most such units. And while these units have last as long as they have because of regular service that includes changing filters, cleaning coils and checking belts, the units are at the end of their useful life and break down more frequently than is desirable. Even when they are running, outdated and inefficient heating and air-conditioning units are expensive to operate, expensive to maintain and do not provide comfortable environments.

This item calls for replacing the aging units with new energy-efficient units. The units will provide even greater energy efficiency when they are connected to the district's energy management system, allowing them to be turned on or off from a central location..

#### Stage Curtains

The Wiley Post Elementary gym includes a stage that is used for plays, programs and other events. The stage curtains, the same ones in place when the building opened 41 years ago, are tattered, torn and in need of replacement. New stage curtains would also meet current national fire code in terms of their flame-retardant capability.

Additional

This bond proposal calls for Wiley Post and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing, student desks and chairs and playground equipment. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **Will Rogers Elementary School**

### Electrical Upgrade

With the emergence of technology, schools have greater needs for electrical power than they did many years ago. Upgrading the electrical feed and replacing switchgear (the wiring and devices that bring electrical power into a building) is necessary to adequately power older school buildings like Will Rogers Elementary, which opened in 1983. Switchgear brings a number of very important functions together in one package. It includes:

- Control devices that check and/or regulate the flow of power.
- Switching and interrupting devices that are used to turn power on or off.
- Metering devices that are used to measure the flow of electric power.
- Protective devices that are used to protect power service from interruption, and to prevent or limit damage to equipment.

### Resurface Playground and East Parking Lot

Both the asphalt playground at Will Rogers Elementary and the school's east parking lot are aging. Issues that occur in the asphalt are repaired, but the problems such as potholes, crumbling, cracking and deterioration still crop up. This is a situation that in time could create unsafe situations for students on the playground and for teachers and visitors using the east parking lot.

### Stage Curtains

The Will Rogers Elementary cafeteria includes a stage that is used for plays, programs and other events. The stage curtains, the same ones in place when the building opened 31 years ago, are tattered, torn and in need of replacement. New stage curtains would also meet current national fire code in terms of their flame-retardant capability.

### Additional

This bond proposal calls for Will Rogers and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing, student desks and chairs and playground equipment. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **Windsor Hills Elementary School**

### Acoustical Treatment Cafeteria

Because elementary cafeterias are full of the chatter and clatter of hundreds of children, a certain amount of noise is understandable. At Windsor Hills Elementary, the noise is excessive. Sound travels up from student tables to a wooden cathedral ceiling and bounces straight back down. Neither roof nor walls have any kind of acoustical panels or treatment to absorb sounds. The noise levels are so high that it's hard for staff members to communicate, and hearing and understanding announcements over the intercom is extremely difficult. That means the noise levels aren't just a matter of comfort, but could even be a safety issue if intercom announcements are of an urgent nature. This item calls for addition of sound-dampening materials to lower noise levels in the cafeteria.

### New Media Center and Storm Shelter

Windsor Hills Elementary, like libraries in two other elementary schools, has an extremely small library. It was formed many years ago by merging a classroom with other nearby space. The size of the library is limiting. As a place to gather, research, read and check out books to take home, school libraries have always been the heart of school buildings. Changes in learning standards have only increased the need for good school libraries. In the era of education we're currently in, students do more research than they used to. Standards require not just that students write, but that they write persuasively by providing evidence to back up the points they make. Opinion is not enough; opinion plus research is the requirement. And while students can from anywhere in the building access the Internet, which is an unbelievable collection of information, the problem is that the Internet is also a collection of information that can't always be believed. Students still need libraries in order to have ready access to databases and known and credible informational materials. Libraries also stock information that is either not available or not available for free on the Internet.

In part because of new standards, libraries are used more than in the past. It used to be common to see one class in a library at a time. Now the reality is that the need is for multiple classes in library at one time. One class may be researching while another is checking out books and another is receiving a lesson from a librarian.

Because it's difficult for students and teachers to get full and best use out of a small library like Windsor Hill's, this item called for construction of a new 3,000 square-foot library on the south side of the building. The library will include an iMac lab. The library will be constructed in such a way as to meet FEMA standards regarding tornado shelters, meaning the entire Windsor Hills student body can use it as a safe room. The old library will become classrooms and/or offices.

### Replace Main Water Line

The underground line that brings water into Windsor Hills is the same line that was in place when the building opened in 1961. Like many ductile iron pipes of that era, corrosion and soil stress have weakened it over time. The brittle pipe has been patched three times in the last five years. Replacement of the pipe is necessary to make sure another line break doesn't again cause the loss of a school day.

### Rest Room Remodel

This item would allow remodeling of seven sets of restrooms so they are compliant with standards included in the Americans with Disabilities Act (ADA) of 2010. It's essential that rest rooms be designed to reflect a wide range of human needs, including people with wheelchairs and walking aids. ADA requires that every fixture and feature in a washroom be barrier-free so as to be usable by people with disabilities. Having ADA-compliant rest rooms is a matter of simple fairness so that everyone in school buildings has the accommodations they need.

### Bleachers

The gymnasium bleachers at Windsor Hills Elementary are the same ones in place when the school opened in 1961. Now 53 years old, the bleachers are difficult to fold in or out safely and replacements for any missing or broken bleacher parts cannot be found.

### Stage Curtains

The Windsor Hills Elementary gym includes a stage that is used for plays, programs and other events. The stage curtains, the same ones in place when the building opened 53 years ago, are tattered, torn and in need of replacement. New stage curtains would also meet current national fire code in terms of their flame-retardant capability.

### Stage Lighting and Sound System

Windsor Hills Elementary's gymnasium sound system and stage lighting systems are the same systems installed when the building was constructed in 1961. The systems no longer work well. Sound can be inconsistent and garbled, making it difficult for remarks to be understood. Lights have never been sufficient to make students stand out on stage during programs. As a result, parents, students and staff alike have trouble adequately seeing and hearing at student recognition, plays, programs and other events.

Additional

This bond proposal calls for Windsor Hills and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing, student desks and chairs and playground equipment. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **Middle Schools**

### **Capps Middle School**

This item calls for construction of a new Capps Middle School. There are portions of Capps Middle School that are by far the oldest learning spaces still used in the district. Parts, but not all, of the building go back to the 1940s. The lines that supply water service, sewer service and natural gas to the building are all original to the building – that is, from the 1940s. The building is not energy efficient in roofing, walls, windows or doors.

In addition, the school is built on five levels, and because there are no elevators, the school is not accessible to all. To make the school accessible to people in wheelchairs or with limited mobility would require extensive demolition and the addition of at least three elevators and two stair lifts. Adding elevators and stair lifts would steal square footage from some classrooms and/or narrow stairways, thereby slowing quick student and staff exit of the building in emergencies. The building would also require major renovation of the existing restrooms to meet current Americans with Disabilities Act requirements.

The building has been added on to many times, creating a building layout with many twists and turns that are difficult to supervise. The kitchen is a floor below the cafeteria and food is delivered to the cafeteria via a dumbwaiter. That means food preparation and serving is not as efficient as it should be. Because of the age of the building, it was originally constructed with wood framing and joists, which are combustible. School buildings currently are most often built with metal framing and joists that are less susceptible to damage from fire or termites.

A new school building would include rooms that double as tornado shelter space large enough to protect all students, staff and visitors. A new building could provide a safer, healthier, better learning environment in a more energy-efficient structure. It could provide complete ADA accessibility, provide a more modern learning environment and be built to last many decades more than the current building can last.

## **Cooper Middle School**

### New Bleachers and Fencing for Softball Field

The softball field at Kenneth Cooper Middle School needs two improvements. The splintering and sagging wooden bleachers are decades old and need to be replaced with aluminum bleachers set on a concrete pad that will keep them stable and steady and prevent grass from growing up into the bleachers. Fencing will control access to the field and allow tickets to be sold for admission, raising money for upkeep of the field.

### Running Track Renovation, Football Storage

This item calls for the three-lane asphalt track that circles the football field at Kenneth Cooper Middle School to be replaced with a new six-lane track with a long-lasting competition-quality surface. The current asphalt surface is cracked and decaying and nearing the end of its useful life. A new track, with a safer, wider surface that minimizes stress on muscles and bones, would allow competition to be held at the school.

Near the football field and track is a small, insubstantial wooden shed used to hold football equipment and supplies. This item calls for replacing the shed with a concrete building topped by a metal roof. The stronger, better-built and better-sealed building will protect taxpayer investment in football equipment much better than the wooden shed now in use.

### Storm Shelters

This item calls for the construction of storm shelters inside Kenneth Cooper Middle School. Each classroom wing of the school has a common area in that will be transformed into safe rooms in which the school's students may shelter in the event of tornadoes. Metal framing and heavy gauge plate steel that meets FEMA standards will form the basic structure of the rooms. Drywall will make the interior of the rooms look like a regular classroom, and a heavy, three-bolt door will provide additional safety.

### Additional

This bond proposal calls for Cooper and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing and student desks and chairs. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **Hefner Middle School**

### Hallway Renovation

In the last few years the exterior of 48-year-old Hefner Middle School has been updated to become a modern, watertight, energy-efficient building. This item calls for renovation of the inside of oldest part of the building to match what's been done outside. Every school day for almost 50 years, more than 1,000 middle school students have used every inch of the school. In the hallways in the oldest parts of the school, floor tiles have shrunk, cracked and become loose, locker trim is sometimes loose or missing and walls need to be painted. High-efficiency fluorescent lighting that is brighter and saves 40 percent on energy costs should be installed as well.

### New Flooring for Classrooms

The classroom carpet in the two-story section of the building is about 30 years old. In too many places it's shabby, stained and threadbare. It's time to replace it with new flooring materials.

### New Exit and Emergency Lights

In an emergency, emergency lighting in school hallways and exit lighting is an important factor in the safety of students, teachers and parents. Hefner needs need exit signs that have a battery backup to stay lit if power is lost and additional exit signs near doors to the outside.

### New Kitchen Roof

The much-patched roof over the kitchen at Hefner Middle School is more than 30 years old. This item calls for replacement of the old, leaky roof with a new thermoplastic polyolefin roof, better known by its acronym, TPO. TPO roofs seal out water, resist heat and light aging and are more energy-efficient than traditional flat roofs.

### Heating and Air-Conditioning Unit Replacement for Kitchen

Like the roof over the Hefner kitchen, the rooftop heating and air conditioning units that heat and cool the kitchen are more than 30 years old. We've been able to extend the life of these air conditioners through a preventive maintenance program, but even so the units break down too often and parts to repair them are difficult to obtain. This item calls for replacement of old kitchen rooftop heating and air units with new units that are 40 percent more efficient.

### Cafeteria Renovation

Hefner's cafeteria has served more than 1,000 students a day for nearly a half-century. Flooring in the cafeteria is badly worn and serving line doors have faulty closing devices. This item calls for replacement of flooring material, installation of new and functioning fire-rated doors and replacement of the ceiling in order to enclose ductwork.

### Renovate Restrooms

This item would allow remodeling of eight sets of restrooms so they are compliant with standards included in the Americans with Disabilities Act (ADA) of 2010. It's essential that rest rooms be designed to reflect a wide range of human needs, including people with wheelchairs and walking aids. ADA requires that every fixture and feature in a washroom be barrier-free so as to be usable by people with disabilities. Having ADA-compliant rest rooms is a matter of simple fairness so that everyone in school buildings has the accommodations they need.

### Replace Sewer Line/Replace Gas Line and Relocate Gas Meter

The sewer line that serves Hefner Middle School is a clay tile pipe that was put in the ground almost 50 years ago. Over the decades, age, soil conditions, settling and tree roots have weakened the pipe. Replacement of the pipe is necessary to make sure a line break doesn't shut down the school for a day or more while repairs are made.

The existing gas line is steel and like the sewer line was installed when the building was constructed. The line should be replaced with durable polyethylene line that is now standard in the industry. Moving the gas meter closer to the building will relieve the district of the responsibility of maintaining or replacing the gas line in the future as it will belong to the gas company.

### Additional

This bond proposal calls for Hefner and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing and student desks and chairs. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **Mayfield Middle School**

### Standing Seam Metal Roof, Modified Roofing

This item calls for about 75 percent of the school to receive a pitched metal roof. Metal roofs reduce the need for costly, ongoing roof maintenance because unlike flat roofs, they do not crack, shrink, erode or puncture. Standing seam metal roofs are strong and watertight, providing schools with long-term protection against any type of weather. When combined with extra insulation, as they are when installed on Putnam City schools, they help lower the energy required to heat and cool the building. Metal standing seam roofs are durable, too, lasting on average twice as long as flat roof. The deteriorating 40-year old canopies on the west and south sides of the building will be topped with metal roofs, too. The office and kitchen areas of the building will not get a metal roof but will have a new pitched roof installed so it will drain water better than the current flat roof which is often under repair due to leaks.

### Exterior Restoration

This item calls for adding insulation, block, brick and stone to the west and north sides of Mayfield Middle School. The insulation will increase the energy-efficiency of the walls by 75 percent, and block, brick and stone will change the look of the building away from the forbidding, cold and gray concrete it currently has.

### Rest Room Remodel

This item would allow remodeling of six sets of restrooms so they are compliant with standards included in the Americans with Disabilities Act (ADA) of 2010. It's essential that rest rooms be designed to reflect a wide range of human needs, including people with wheelchairs and walking aids. ADA requires that every fixture and feature in a washroom be barrier-free so as to be usable by people with disabilities. Having ADA-compliant rest rooms is a matter of simple fairness so that everyone in school buildings has the accommodations they need.

### Heating and Air Conditioning Units

This item calls for replacing eight 22-year-old rooftop units that provide heat and air-conditioning to classrooms in the east wing of the school. While these units are regularly serviced with filters changed, coils cleaned, belts checked and other issues identified and fixed, they are at the end of their lifespan and break down more frequently than is desirable. Even when operating, outdated and inefficient heating and air-conditioning units are expensive to operate, expensive to maintain and do not provide comfortable environments. This item also calls for an upgrade to heating and air in the area that houses the clinic, counselor's office and main office.

### Move Electrical Gear out of Basement

The electrical feed for Mayfield comes into the school via switchgear located on the below-ground, bottom level of a 2½-story mechanical room. The problem is that heavy rains sometimes flood the bottom level of the mechanical room, creating a real risk of a short that could knock out electricity to the entire building and force replacement of a great deal of electrical equipment. This item calls for moving electrical switchgear from the lowest level to the highest level of the mechanical room, thereby protecting the school from complete electrical failure.

### Bleacher Covers

The bleachers in the upper section of Mayfield's gym are 40 years old and beginning to splinter. In addition, each bleacher bench is built out of three parallel slats of wood, meaning students' fingers can be caught between slats. An inexpensive fix for all problems are plastic bleacher covers.

### Stage Curtains

Mayfield's gym includes a stage that is used for plays, talent shows, concerts and other events. The stage curtains, now 40 years old, are tattered, torn and in need of replacement. New stage curtains would also meet current national fire code in terms of their flame-retardant capability.

### Additional

This bond proposal calls for Mayfield and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing and student desks and chairs. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **Western Oaks Middle School**

### Rest Room Remodel

This item would allow remodeling of four sets of restrooms so they are compliant with standards included in the Americans with Disabilities Act (ADA) of 2010. It's essential that rest rooms be designed to reflect a wide range of human needs, including people with wheelchairs and walking aids. ADA requires that every fixture and feature in a washroom be barrier-free so as to be usable by people with disabilities. Having ADA-compliant rest rooms is a matter of simple fairness so that everyone in school buildings has the accommodations they need.

### Reroof Auxiliary Gym

This item calls for replacement of the aging, leaky roof over the auxiliary gym at Western Oaks Middle School. The roof is more than 30 years old. The new roof will be TPO (thermoplastic polyolefin), which seals out water, resists heat and light degradation and is more energy-efficient than the current roof.

### Kitchen Renovation

The cafeteria at Western Oaks Middle School is similar to the one at Western Oaks Elementary – too small to do the job for the number of students in the school and not equipped to meet current needs. The kitchen is not as big as it should be for the number of students in the school, making it difficult to prepare adequate amounts of food in a timely manner. In addition, changing government requirements about food service in schools have significantly changed how foods must be prepared. To meet those requirements, Western Oaks' kitchen must be reorganized and retooled. Right now the school has a large kettle, a steamer, two burners and two convection ovens to prepare meals. New steamers, kettles, prep tables, stoves and ovens must be installed in order to increase the amount of food that can be prepared and meet new requirements. A walk-in freezer and refrigerator, which the school does not currently have, must be added in order to make food storage and preparation more efficient.

### Elevator Equipment

Western Oaks Middle School's elevator was installed 34 years ago. The elevator's mechanical systems are worn and near the end of their useful life, causing the elevator to often be out of service. Parts are difficult and sometimes impossible to get, requiring custom fabrication. In addition, the elevator does not meet current code in terms of having a hands-free communication device and an elevator call back switch attached to the fire alarm. For reasons of safety and accessibility, the elevator must be replaced

### Bleacher Covers

The bleachers in the upper section of the gym at Western Oaks are 51 years old and beginning to splinter. In addition, each bleacher bench is built out of three parallel slats of wood, meaning students' fingers can be caught between slats. An inexpensive fix for all problems are plastic bleacher covers.

### Stage Curtains

Western Oaks' gym includes a stage that is used for plays, talent shows, concerts and other events. The stage curtains, now 40 years old, are tattered, torn and in need of replacement. New stage curtains would also meet current national fire code in terms of their flame-retardant capability.

### Additional

This bond proposal calls for Western Oaks and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing and student desks and chairs. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **High Schools**

### **Putnam City High School**

#### Gymnasium Entrance/Storm Shelter

Currently, people who attend games or events in the gym must enter the main school building in order to get to the gym. The concession stand is in the main school building as well. This creates a situation in which use of the gym makes it difficult to keep the rest of the building secure. This item would create a new entrance for the gym on the north side of the school. The addition would include a ticket sales area, foyer and concessions. It would also contain a new facility for pom, cheer and dance that would double as a storm shelter that could hold 640 people.

#### Renovate Visitors Basketball Locker Rooms

Across the hall from the gym are locker rooms that visiting boys' and girls' basketball teams use when they come to play against the Pirates. The locker rooms are much the same as they were when the school opened in 1958, except that they've been used by high school students for 56 years. Some lockers are broken, floor tiles are coming up, bathrooms don't meet current code and visiting teams regularly say they are the worst locker rooms they use. This item calls for full renovation of the locker rooms to insure that benches, lockers, flooring, bathrooms are as appropriate for visiting teams as their locker rooms are for our teams.

#### Flooring

The carpet in most of the school's classrooms is old and worn. Use by thousands of students a day over the course of many years have left carpets threadbare and with stains that cannot be cleaned. It's time to replace as much of the old carpet as possible with new flooring materials – carpet, tile, stained concrete or other materials still to be determined.

#### Reroof Remaining Portions of First Floor

About three years ago much of the school's first floor received a new roof. This item calls for putting a new roof on first floor areas that were not included in that job. An unsound roof can cause moisture damage anywhere in the school and lead to a host of maintenance problems. A leaking roof can seriously disrupt the learning environment at any time. Depending on where leaks occur and damages show up, classes might have to move. Books or other learning materials can be damaged. In addition, replacing aging roofs saves taxpayers and the district money by protecting insulation and preventing sheet metal rusting and other deterioration. The new roof will be a thermoplastic polyolefin roof, better known by its acronym, TPO. TPO roofs seal out water, resist heat and light aging and are more energy-efficient than traditional flat roofs.

### Reroof the Science Building

The roof on the school's Science Building is about 24 years old. It's a much-patched flat roof that is at the end of its useful life. To protect taxpayer investment in rooms, equipment and materials below, this item calls for the roof to be replaced with an TPO (thermoplastic polyolefin) roof that seals out water, resists heat and light aging and is more energy-efficient than the roof now in place. This roofing project combined with other reroofing jobs recently completed or about to start, or roofs still under warranty, means the entire Putnam City High building has sound, sealed roofs.

### Relocate Kitchen and Serving Lines

The kitchen in which food is cooked to serve to Putnam City High students is the same one in place when the school opened in 1958. Back then, the school had about 1,200 students. Now it has about 1,900 students, and all students eat on campus. The kitchen is not as big as it should be for the number of students in the school, thereby making it difficult to prepare adequate amounts of food in a timely manner. The greater number of students is not the only challenge for the relatively small kitchen, however. Changing government requirements about food service in schools have significantly changed how foods must be prepared. To meet those requirements, the school's kitchen must be reorganized and retooled. New steamers, kettles, food preparation tables, stoves and ovens must be installed in order to prepare food that meets new requirements. This item calls for converting current kitchen to cafeteria space for students and building a new kitchen on the east wall of what is now considered the new cafeteria. The switch to a new kitchen would allow configuration of the kitchen to meet current needs, installation of new appliances as needed, installation of new plumbing, electrical service and gas, sewer, water lines to replace the aging lines under the old kitchen, and access to a dock for food deliveries, something the current kitchen does not have.

### Turn Two Cafeterias into One

Putnam City High School's two-cafeteria situation is disjointed, inefficient and not set up with student supervision in mind. Currently students eat in two cafeterias: the "old" cafeteria that is part of the original 1958 school building and the "new" cafeteria that was built in 1995 to accommodate a school population that increased from about 1,200 when the school opened to around 1,900 in the mid-1990s. The two cafeterias are separated by the school's kitchen and a classroom. To get from one cafeteria to the other, students must walk down one hallway, make a turn and then walk down another hallway, something they often do while moving through hallway crowds and carrying a plate of food. Because the cafeterias are two separate rooms, supervision of students at lunch requires a set of administrators in each area. This item, in conjunction with the relocation of the kitchen item above, would combine the two cafeteria spaces into one. The old kitchen that now separates the two areas would be torn down, creating a single, large free-flowing space. New flooring, ceilings and lighting would be added. When complete, the kitchen

and cafeteria would function much more efficiently. It will also reduce the number of people needed for supervision, freeing up administrators to attend to other matters.

#### Renovate Stadium Areas Existing Locker Areas that Serve Football, Soccer, Track

This item calls for locker rooms and other space under Putnam City Stadium to receive a much needed renovation. New lockers will replace the bent and broken 1959-vintage lockers for which replacement parts are no longer available. Rest rooms and showers will be updated to meet current codes. The training room in the stadium will be enlarged and remodeled to handle multiple sports and will include four taping tables and two treatment tubs. The west end of the stadium, now used for storage, will be converted into a freshman and junior varsity locker room, leaving the refurbished locker room for varsity football. Players and coaches will have a new, dividable room in which they can meet, watch game video and make game plans.

#### Rest Room Remodel

This item would allow remodeling of 10 sets of restrooms so they are compliant with standards included in the Americans with Disabilities Act (ADA) of 2010. It's essential that rest rooms be designed to reflect a wide range of human needs, including people with wheelchairs and walking aids. ADA requires that every fixture and feature in a washroom be barrier-free so as to be usable by people with disabilities. Having ADA-compliant rest rooms is a matter of simple fairness so that everyone in school buildings has the accommodations they need.

#### New Elevator Science Building

The elevator in Putnam City High's two-story Science Building is the one originally in the building when it opened 24 years ago. Because of the age of the elevator, it doesn't have current safety features like hands-free communication device and an elevator call back switch attached to the fire alarm. In addition, the company that manufactured it is no longer in business and parts are difficult to come by, which is increasingly a problem as it breaks down more often. For safety and accessibility the elevator must be replaced.

#### New Elevator Controls in Main Building

This item calls for new controls for the elevator in Putnam City's main classroom building. Mechanically the elevator is in good shape but the elevator controls – the brains of the elevator that make it start and stop at the right place – are not. The elevator is out of service about 10 times a year, usually for days at a time.

### New Water Meter and Associated Plumbing/Sewer Replacement

Since 1958 water has come into Putnam City High via iron pipe that now is beginning to deteriorate and weaken. By taking water instead from pipe laid a few years ago, and putting a meter on that line to measure usage, the school can eliminate use of about 600 feet of old iron pipe. A similar problem with old pipe exists with sewer service to the north side of the building. This pipe, too, dates back to 1958. It's been repaired often but is not sized to adequately meet the demands placed on it. Given the age and problems with pipe and its importance, it needs to be replaced.

### Science Room Renovations

Science labs and chemical storage rooms at all three high schools need improvements to ventilation systems. Air from both labs and chemical storage rooms should be vented directly outside and ventilation systems should be able to completely change the air in five minutes.

### Heating and Air Conditioning Improvements

This item calls for replacement of two small boilers that provide heat to the stadium and two other small boilers that provide heat to the school auditorium. The item will also allow replacement of some of the old rooftop heating and air units at the school.

The boilers are obsolete. One of the stadium boilers is inoperative and cannot be fixed because parts are not available. In addition, they are not as efficient as modern boilers using newer technology. The three functioning boilers are considered to be about 80 percent efficient, meaning 20 percent of the heat generated is lost. Newer boilers are 93 to 98 percent efficient, meaning much less heat is lost, saving taxpayer dollars.

Rooftop heating and air units 24 years or older will be replaced as needed at the school. The units are mostly those that serve the library, visitor locker rooms and athletic offices. Regular maintenance has extended the lifespan of these units beyond the 15 to 20 years they were expected to last. outdated and inefficient heating and air-conditioning units are expensive to operate, expensive to maintain and do not provide comfortable environments.

Additional

This bond proposal calls for Putnam City High and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing and student desks and chairs. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **Putnam City North High School**

### Performing Arts Wing Addition/Storm Shelter

Putnam City North's choir and orchestra programs are well known for the outstanding musicians they produce. This item calls for improvements to further that tradition of success. Currently, the band program and orchestra program share a room that also serves as instrument storage for both programs. Use of the room by so many students and for so much instrument storage, along with insufficient small practice rooms, makes it less than ideal. Should the bond proposal be approved, an addition will be constructed on the north end of performing arts wing. The addition would house a large practice room for the choir, freeing the current choir room to become additional space for the band program. Another large practice room for the entire orchestra will also be built with extra storage room for instruments. The addition would include small orchestra and choir practice rooms that can be used by individual students or small ensembles. The space added to the performing arts wing will connect to the back of the school's Performing Arts Center, meaning students will no longer have to walk outside to have direct access to the backstage area.

The new addition will be constructed in such a way that it will also serve as a storm shelter to house as many as 960 people.

### New Weight Room/Storm Shelter

Currently the only weight room on the Putnam City North campus is the one that primarily serves football teams in the school's athletic building. This item calls for an addition to the main school building that will house a weight room for other student-athletes. The new weight room will be constructed in such a way that it will also serve as a storm shelter for 640 people. Together with the performing arts wing addition storm shelter, the school will be able to shelter as many as 1,600 people.

### Replace Exterior Doors/Windows

This expenditure for new, energy efficient doors and windows at Putnam City North will lower utility bills, enabling taxpayer money to be spent for other, better purposes. The oldest doors and windows in the building now were the ones originally in the building when it opened in 1978. In some areas the window frames are rusted through, allowing air and water to get into the building. Wear and tear on doors that have been repeatedly opened and closed for 36 years have caused alignment issues, meaning hot and cold air flows through gaps. In addition, doors and windows have single pane glass, as opposed to modern glass doors and windows that contain a thermal break to increase energy efficiency. It's estimated that new doors and windows are 50 percent more energy-efficient. Over time the cost of new doors and windows will be paid back several times through energy savings.

### Football Field Improvements

This item calls for improvements that will allow Putnam City North to host varsity football games on its own campus. The field would get more bleachers and restrooms than are currently in place, a press box large enough to hold home and visiting coaches, an announcer, spotter, scoreboard operator and media, and concession stands. The fields will also host games of middle schools that feed into the high school.

The intent of the improvements is to build a greater sense of community at each school and within each feeder pattern. High school teams will play home games at their home school, surrounded by the community that most closely follows and supports the school. Middle school teams will play games at the school they look forward to attending and playing for a year or two down the road.

### Rest Room Remodel

This item would allow remodeling of 10 sets of restrooms so they are compliant with standards included in the Americans with Disabilities Act (ADA) of 2010. It's essential that rest rooms be designed to reflect a wide range of human needs, including people with wheelchairs and walking aids. ADA requires that every fixture and feature in a washroom be barrier-free so as to be usable by people with disabilities. Having ADA-compliant rest rooms is a matter of simple fairness so that everyone in school buildings has the accommodations they need.

### Construction of Permanent Walls to Replace Classroom Partitions

Putnam City North has a section of the building where classrooms are separated by folding partitions that have been in place since the building opened in 1978. The concept at the time was to have flexible space that could serve different needs and facilitate team teaching. The reality is that partitions have never been ideal. Noise travels through partitions too easily, creating distractions and making it harder for students in each classroom to pay attention to instruction. Most learning activities in classrooms are verbal and involve listening to speech. If there is interference in communication there is also interference in the learning process. This item calls for removal of the partitions and construction of permanent walls. Walls make classrooms quieter and communication and learning better, and can also house additional electrical outlets and data ports that partitions cannot.

### New House Lighting for the Performing Arts Center

House lighting in an auditorium lights the area in which people are sit and walk. It's expensive to run and maintain and is used only when an audience is present, and then usually only when people are moving before and after the show or during intermission. The house lights at Putnam City North are original to the building. The light fixtures heat up swiftly, are inefficient and cause bulbs to burn out too quickly. This item would allow installation of new fixtures and bulbs that would use 50 percent less energy and supply twice the lighting power.

#### Additional Dimmer Panel/Electrical Re-circuit for the Performing Arts Center

The current dimming system for stage lighting in Putnam City North's Performing Arts Center is inadequate for the job it's supposed to do. Instead of each dimmer control dimming one light, each control dims two lights. The arrangement makes it difficult to light the stage correctly and help students learn the proper way to light a performance. This item calls for installation of additional dimmer controls that will allow every light to be operated individually.

#### New Baseball Press Box/New Baseball and Softball Dugouts

Putnam City North's baseball press box is a concrete block building constructed by boosters in 1980. The press box has served the program well for many years but is now in a state of disrepair. The wood roof joists and wooden stairs are flammable and the building does not have fire sprinklers, meaning the structure does not mean current building code.

The dugouts used by both softball and baseball players were generously built by boosters more than two decades ago using wooden siding. The dugouts are beginning to deteriorate and do not offer the best protection to players using them. New dugouts built with concrete block topped by metal roofs would be safer and last longer than what's currently in place.

#### Renovate Serving Lines/Kitchen

The two lunch periods at Putnam City North are so crowded that the result is either traffic jams or gridlock. Putnam City North's original serving area was designed and built for the needs and requirements of 1978, the year it opened. Federal requirements for meals served have changed drastically in the last few years. These changes have affected the nutritional requirements, serving process and speed of service. Renovations to serving lines and the kitchen will improve access for students to the meal selections, improve the serving process from the kitchen standpoint and greatly enhance the speed of service so that students can get through the lines more quickly.

#### Tennis Court Lighting

The 20-year-old lights at Putnam City North's tennis courts don't put out enough light for competitive tennis. This item calls for replacing current fixtures and lights with new LED versions that use 60 percent less energy and supply much more lighting power. New poles will replace old poles that are beginning to deteriorate and are not tall enough to light the whole court evenly and without shadows. The end result of the changes will be greater energy efficiency, uniform lighting levels across the courts and increased visibility of balls and lines for players.

### Tennis Court Wind Screens

The windscreens on Putnam City North's tennis courts have endured the stress of Oklahoma's winds as long as they can. The school's current windscreens have been in place long enough that wear and tear has left them tattered, not so much screening the wind as waving at it as it goes by. This item calls for replacement of current windscreens with new windscreens made of high-grade, durable fabric best able to withstand Oklahoma winds.

### Science Room Renovations

Science labs and chemical storage rooms at all three high schools need improvements to ventilation systems. Air from both labs and chemical storage rooms should be vented directly outside and ventilation systems should be able to completely change the air in five minutes.

### New Water Service

The underground line that brings water into Putnam City North is the same line that was in place when the building opened in 1978. Like many ductile iron pipes of that era, corrosion and soil stress have weakened it over time. The brittle pipe has been patched twice and caused the loss of a day of school. Replacement of the pipe is necessary to make sure another line break doesn't again cause the loss of a school day.

### Additional

This bond proposal calls for Putnam City North and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing and student desks and chairs. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **Putnam City West High School**

### Cafeteria Expansion/Storm Shelter and Replacement of Serving Line Doors

This item calls for converting the school's interior courtyard into additional cafeteria space. Currently, two lunch periods are too crowded for the nearly 1,600 students who attend the school. When seats fill up with students, other students stand at the sides and ends of tables and others lean against walls and congregate at cafeteria edges. The additional cafeteria space would be constructed in such a way that it could serve as a storm shelter when needed.

Another part of the work to be done in the cafeteria is replacing wooden doors to serving lines. The old-style devices that are supposed to hold the doors open no longer function well and need to be replaced.

### Gymnasium Entrance

Currently, people who attend games or events in the gym must enter the main school building in order to get to the gym. The concession stand is in the main school building as well. This creates a situation in which use of the gym makes it difficult to keep the rest of the building secure. This item would create a new entrance for the gym on the west side of the school. The addition would include a ticket sales area, foyer and concessions.

### Football Field Improvements

This item calls for improvements that will allow Putnam City West to host varsity football games on its own campus. The field would get more bleachers and restrooms than are currently in place, a press box large enough to hold home and visiting coaches, an announcer, spotter, scoreboard operator and media, and concession stands. The fields will also host games of middle schools that feed into the high school.

The intent of the improvements is to build a greater sense of community at each school and within each feeder pattern. High school teams will play home games at their home school, surrounded by the community that most closely follows and supports the school. Middle school teams will play games at the school they look forward to attending and playing for a year or two down the road.

### Stage Rigging Upgrade

Putnam City West's stage is currently equipped with the traditional weights and balance rigging system for flying sets. The system requires actual stacks of weights which must be moved and restacked at times in order to achieve the desired effect. The presence of the weights and the need to periodically move the weights creates safety hazards for students. This item allows for the installation of an automated stage rigging system that is motorized and allows a single operator to manage all sets with ease. The system is also valuable because the school's outstanding fine arts program serves as laboratory not just for actors

and singers, but for backstage people as well. They need the opportunity to use equipment they'll use in college and beyond.

#### Renovate Media Center/Remodel Counselor's Offices

Putnam City West's library is in real need of renovation. The carpet in the room is extremely worn from almost a half-century of student use. Both carpet and ceiling tiles have water damage from past leaks. This item calls for new carpet, new dropped ceilings and ceiling tiles, new doors, new furnishings and a fresh coat of paint for the library.

This item also calls for remodeling of counselors' offices. Currently counselors' offices at Putnam City West are too small to hold more than a counselor and two other people. A conversation between a counselor, two parents and a student (or counselor and three students, or counselor, administrator and two students, etc.) means someone must stand. In addition, while conversations in counselors' office should be confidential, there's no guarantee of that because the area in which students wait for their appointment is so small that students are too often jammed into spots at or near counselors' doors. This item calls for reconfiguring space so there are four counselors' offices instead of five (there are four counselors at the school) and a waiting room large enough to accommodate students and protect privacy of conversations in offices.

#### New Lighting

Putnam City West has light fixtures and lights in classrooms and hallways in the original building that are outdated and inefficient. These funds would pay for about 900 new fixtures and lights to go in them that would use 35 to 50 percent less energy and supply twice the lighting power.

#### Science Room Renovations

Science labs and chemical storage rooms at all three high schools need improvements to ventilation systems. Air from both labs and chemical storage rooms should be vented directly outside and ventilation systems should be able to completely change the air in five minutes.

#### Rest Room Remodel

This item would allow remodeling of eight sets of restrooms so they are compliant with standards included in the Americans with Disabilities Act (ADA) of 2010. It's essential that rest rooms be designed to reflect a wide range of human needs, including people with wheelchairs and walking aids. ADA requires that every fixture and feature in a washroom be barrier-free so as to be usable by people with disabilities. Having ADA-compliant rest rooms is a matter of simple fairness so that everyone in school buildings has the accommodations they need.

### New Roof and Roof Drains Two-story Section

The roof on the two-story section of the school is about 20 years old. It's a flat roof that has leaked and patched many times over is at the end of its useful life. To protect taxpayer investment in the 50 classrooms below plus all the equipment and materials they hold, this item calls for the roof to be replaced with an TPO (thermoplastic polyolefin ) roof that seals out water, resists heat and light aging and is more energy-efficient than the roof now in place.

### Electrical Upgrades

This item calls for upgrades to the electrical system in the original Putnam City West building that opened in 1968. Over the years, the increased need for electrical service brought on by the addition of computers, projectors, interactive whiteboards and other instructional equipment have pushed the system as far as it can go. The transformers are old and no longer efficient, and if breakers blow in the subpanels there are no replacement parts available. If old circuit breakers get overloaded and overheat and don't trip, there is a risk of fire. Electrical equipment has a useful life, and the 46-year-old transformers, wiring and subpanels in the school need to be replaced.

### Security Fence

This item allows for enhanced security at Putnam City West. It specifically calls for the addition of a 6-foot tall security fence to enclose the school's west parking lot, a lot mainly used for student parking. A security officer will staff a gatehouse and check drivers as they enter and exit. Students with legitimate reason to leave campus will be allowed to leave campus. Those who do not have legitimate business at the school will not be allowed in. The security fence and gatehouse project will offer greater security during the school day without affecting the flow of traffic before and after school.

### Extension of East Lot to South Side of Building

Currently the only way for delivery trucks and trash trucks to get to the back of the building is on a drive that comes from the west side of the school. It's a drive that is crossed on foot by student-athletes, students in physical education classes, ROTC members and other students many times throughout each the day. This item calls for construction a new drive connected to the faculty parking lot on the building's east side. Once the new east drive is in place the west drive can be shut down to vehicular traffic in order to create a safer campus for students.

### Renovate Existing Basketball Locker Rooms

This item calls for renovation of the boys' basketball locker rooms at Putnam City West. Existing lockers, now 46 years old, commonly have problems such as not locking, doors that won't shut and broken welds. The floor in the locker room has broken tiles and missing grout. Renovation plans call for splitting the existing locker into two, one for varsity and one for junior varsity and freshmen. New lockers and flooring will be installed.

### Additional

This bond proposal calls for Putnam City West and every school to receive funds for purchase of both textbooks and technology for teaching and learning.

In addition, the proposal calls for funds to be available as needs develop in schools throughout the district for repair or replacement of heating and air-conditioning units, paving, flooring, roofing, fencing and student desks and chairs. Needs at schools would be met on a priority basis as long as funds are available. See more information in the "District" section.

## **District**

### Convert District Administration Building to Early Childhood Education Center

This item calls for conversion of the district's administration building into an early childhood education center. When the conversion is complete, the building will hold 10 classrooms, a small kitchen, a food preparation and serving area, a teacher workroom, rest rooms for students and staff and a storm shelter large enough to protect all students and teachers in the building. A playground will be added outside. The conversion would allow the district to move out of space it leases in two shopping centers for about \$100,000 a year.

### The Centennial Center

This item calls for construction of a new building, the Centennial Center, that would serve multiple purposes for the district.

The most important feature of the new building would be for professional development for teachers and administrators. The district's desire to train and develop educators to be as effective as they can be, along with continuing and changing mandates from the state about how students should be taught and what schools must do, means regular and extensive training of 1,500 teachers and district administrators. Currently, such training takes place in multiple locations. Some groups are small enough to meet in their own schools or rooms at the district's administration building. Some groups travel to Francis Tuttle facilities on N. Rockwell or Reno. Some offsite training takes place at facilities with insufficient technology and bandwidth to host district training. This item calls for a building that can host all needed professional development in the district. The center would house a set of meeting rooms for professional development, including a large room that can be divided into three sections, creating the flexibility to serve one very large group or several smaller groups as needs demand. A professional development center that can serve all needs is important in today's educational climate. Surveys tell us that professional development is extremely important to teachers. For new teachers, professional development and teacher support are the two most important factors (even more important than salary) in determining what district they wish to teach in. That makes highly organized and effective professional development, offered in a setting focused on those needs, an important tool for Putnam City to recruit the best teachers and keep them in the district.

The Centennial Center would also include administrative offices so that the current administration building can be transformed into an early childhood center; a room for Board of Education meetings larger than the current space in which too often doesn't hold everyone wishing to attend; and a small area devoted to district history. In addition to serving district needs, Centennial Center meeting rooms can be made available for community groups.

### Safety and Security

Some of the computers that run Putnam City's security cameras need to be newer, larger and more sophisticated to do the best job of doing the district needs them to do. Upgrades to the software over the years have stretched the capacity of the aging computers. This item will allow old, obsolete computers to be replaced with new high speed servers with tremendous storage capacity. The new servers will make camera video and retrieval more reliable and allow additional cameras to be added in the future. Needs don't stop at computers. This item calls for improvements to school cameras, camera software, electronic locks, security card access systems and alarm systems – all part of the district's belief in continuous investment in security equipment and measures in order to keep students and staff safe.

### Textbooks

Even in an accelerating era of technology, textbooks are a primary reference material students use to learn each subject. Each year the state allocates money for textbook purchase. Putnam City's share is usually a little less than \$1 million. While that's a significant allocation, it still does not meet the needs for textbooks for all Putnam City students. The average textbook costs \$60 to \$90. Multiply those figures by 19,000 students, and the district's tab for just one new book for every student could range from \$1.1 million to \$1.7 million. In addition to purchasing new textbooks, each year the district must replace books that are ruined, lost or not returned when students leave the district. Using bond money for textbooks is a way to insure that there is money available each year to get new textbooks into the hands of our students.

### Musical Instruments

This item provides funding for purchase of new musical instruments to replace old band and orchestra instruments as needed, especially larger and more expensive instruments. Having working instruments available for band and orchestra students is no different than having equipment for students in science or art classes. It's necessary for instruction to take place. Purchasing instruments means students won't have to stop learning because they can't afford the cost of the instrument.

## Technology

This item calls for funds to replace or add to technology that is either directly used for students learning or supports technology teachers and administrators use to deliver effective instruction.

### *Site Instructional Technology Projects*

This item allows staff at each school to determine and pay for their greatest needs for instructional technology. Schools will complete an up-to-date site technology plan in order to purchase technology needed to accomplish goals for teaching and learning.

### *Server Refresh*

Servers are the behind-the-scenes heart of technology, facilitating learning and work for every student and staff member on a daily basis. This proposal calls for replacing older models of servers in district data centers. Replacement of older servers is necessary to meet minimum software requirements of today's interconnected world.

### *Desktop and Laptop Computer Refresh*

The bond issue includes funds to replace the oldest models of desktop and laptop computers. For instruction and productivity, computers must be replaced on an ongoing basis in order to run compatible software and provide access in an efficient manner to web-based programs.

### *Printer Refresh*

Schools must have printers for instructional and administrative needs. This item allows replacement, over time and across the district, of printers that break and are too expensive to repair.

## Playground Equipment

Like anything else, playground equipment gets old and wears out. Wooden big toys become splintered. Water can cause rusting and deterioration, and sun and heat ages materials. This portion of bond funds would pay for periodic replacement or addition of playground equipment at elementary schools.

## Help with Uniforms for Athletics, Fine Arts

In years past schools have used their own activity funds, earned through sale of game tickets and fundraisers, to purchase athletic uniforms. Uniforms for students in performing arts are typically purchased by parents. This item calls for funds to aid in purchase (not provide full purchase) of uniforms for athletics and fine arts. Needs will be determined by school and district staff.

### Student Desks and Chairs

This item provides for the replacement of student desks and chairs as needed across the district. Like anything else, student desks and chairs wear out and break over time. Plastic seats, sat on thousands of times a year for 20 or 30 years, get worn and brittle with use and age, causing cracks or breaks. Aging metal parts of the chair and desk sometimes bend and fail. Schools take good care of school furniture and use it for a long time. The district repairs a lot of furniture because it's less expensive and simply makes more sense to put a new glide on the leg of a chair than to replace the chair. But when a desk or chair is completely broken or is a safety hazard, it needs to be replaced.

### Heating and Air Conditioning

Together, Putnam City schools have about 2,000 rooftop units that provide heat and air to individual rooms. The average age of these units is probably 12 to 15 years old, but some are 30 or even 40 years old. Across the district there are also about 1,000 air handlers working in conjunction with boilers, chillers and pumps. Each air handler serves from four to 10 rooms each. Each chiller in the district is connected to a cooling tower or geothermal well field. Each of these systems move water through various sizes and types of pumps, some of which are variable speed and computer controlled.

This item calls for funds to be available, as needed, to repair or replace old and obsolete systems heating and air units, air handlers and related components and upgrade existing systems to make them more efficient. The goal is for students and teachers to work in comfortable learning environments, and to do so without tapping deeply into annual operating funds.

### Paving

This portion of bond funds would pay for resurfacing portions of parking lots, sidewalks and drives that are badly cracked or pocked with chuckholes. Repair of parking lots and drives is necessary in order to prevent damage to vehicles. In addition, these funds would be used to create new parking lots where needed. This item provides funds so that without using operational dollars, the district can tackle paving needs for school drives and parking lots from January 2015 and beyond. Needs will be addressed on a priority basis as long as funds are available.

### Flooring

Floors take a great deal of punishment. Every day, floors are walked on throughout the day by hundreds or thousands of students in a school. Over time carpet can lose adhesion to the floor or become stained, ripped, tattered and worn. Tile floors can become cracked and loose. This item would pay for carpet, tile or other flooring, as needed, throughout the district. The funds are not designated to any certain school or schools. This item provides funds so that without using operational dollars, the district can tackle flooring

needs in schools from January 2015 and beyond. Flooring needs will be addressed on a priority basis as long as funds are available.

#### Districtwide Roof Maintenance

An unsound roof can cause moisture damage anywhere in the school and lead to a host of maintenance problems. A leaking roof can seriously disrupt the learning environment at any time. Depending on where leaks occur and damages show up, classes might have to move. Books or other learning materials can be damaged. This item calls for funds to be available to repair leaking roofs without tapping into annual operating funds.

#### Carbon Monoxide Sensors

From time to time across the nation, children and staff are evacuated from schools and treated for carbon monoxide poisoning. There have been no such incidents in Putnam City schools, but it's important to take precautions to insure that no incidents occur. Each Putnam City school already has a carbon monoxide detector in its kitchen. This item will provide funding to add detectors in boiler rooms and other areas as needed.

#### Fencing

This item calls for funds to be available to replace or add fencing as needed in order to make schools secure and protect taxpayer investments in school property. By making funds available through the bond proposal, the district can take care of needs as they arise without affecting the annual operating budget.

#### Heating and Air Conditioning

Together, Putnam City schools have about 2,000 rooftop units that provide heat and air to individual rooms. The average age of these units is probably 12 to 15 years old, but some are 30 or even 40 years old. Across the district there are also about 1,000 air handlers working in conjunction with boilers, chillers and pumps. Each air handler serves from four to 10 rooms each. Each chiller in the district is connected to a cooling tower or geothermal well field. Each of these systems move water through various sizes and types of pumps, some of which are variable speed and computer controlled.

This item calls for funds to be available, as needed, to repair or replace old and obsolete systems heating and air units, air handlers and related components and upgrade existing systems to make them more efficient. The goal is for students and teachers to work in comfortable learning environments, and to do so without tapping deeply into annual operating funds.

### Lockset Replacement

The district needs to begin an effort to replace a significant number of locksets in schools. Locksets are the doorknobs, locks, plates and other components that allow doors to latch and lock. The Americans with Disabilities Act regulates locksets in public buildings and requires easy-to-use lever handles instead of doorknobs that can be difficult for some people to grasp and turn. This item also allows replacement of old locksets that don't work well or cannot be opened by school's master key.

### Putnam City Center New Roofing Under the Cooling Tower

The Putnam City Center is a building that houses a great number of district services and offices, including the enrollment center, Putnam City Campus Police, Putnam City Academy (the district's alternative high school), the Child Nutrition Department and many more. This item calls for replacement of the roof underneath the cooling tower. The roof currently in place is a 14-year-old modified bitumen roof, which is made from asphalt and a variety of modifiers and solvents. The replacement will be an TPO (thermoplastic polyolefin ) roof that seals out water, resists heat and light aging and is more energy-efficient than the roof now in place.

### Kitchen Equipment

This bond item calls for funds for kitchen equipment to replace aging and outdated kitchen equipment in schools. The ovens, freezers and refrigerators in schools are like those in people's homes in the sense that in time they wear out and have to be replaced. When equipment reaches the end of its useful life, it's better and more efficient to replace it than to suffer the disruption to preparing meals for students and cost of repairs. Some equipment that will be replaced is old enough that parts can no longer even be obtained to repair them. Equipment to be replaced includes ovens, walk-in freezers and refrigerators, food warmers, heating tables and serving lines. This item provides funds so that without using annual operating dollars, the district can replace kitchen equipment as needed. Needs will be addressed on a priority basis as long as funds are available.

### District Vehicles

This item allows replacement of some of the vehicles used by Campus Police and by crews who provide building maintenance and grounds care. The district has pickups and service vehicles that are more than 20 years old and have more 200,000 miles on them. Continual replacement of expensive parts and the loss of use when the old vehicles are being repaired are reasons to replace old vehicles.

### Property Purchase

This item makes funds available for the purchase of property on which to build a new Capps Middle School.

## **Proposition 2: Transportation**

This item calls for \$1 million to be made available for purchase of new regular and special education buses to replace buses manufactured in the early 2000s. Each day about 7,000 to 8,000 students ride school buses to Putnam City schools, and another 400 to 500 students travel to various activities across the city and state. Why are new buses better? There are many reasons.

- New buses are lighter and more fuel efficient.
- New buses produce a lower level of emissions.
- New buses have increased driver visibility in the front of the bus.
- New buses have LED lights which are much brighter than the old incandescent bulbs.
- New buses have remote control side view mirrors that allow the driver to adjust them from their seat.
- New buses have a seven-camera DVR to record behavior of students on the bus.
- New buses have reflective white roofs that lowers can lower the temperature inside the bus by 15 degrees on a hot day.
- New buses have acoustic ceiling panels to lower noise levels on the bus.

71-passenger buses currently cost about \$90,000 each while special education buses cost about \$110,000 each. At the time of purchase the district would assess needs and purchase the kinds and numbers of buses that would meet those needs.