

Beech Grove City Schools

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Referendum Construction Analysis 2015-2016

Introduction:

The Beech Grove Community voted “Yes” for our students during our referendum on May 5, 2015. 74% of the community who voted supported the need to design and build a 21st Performing Arts Center and to upgrade the heating, ventilation, and cooling systems for Hornet Park, South Grove Intermediate, Beech Grove Middle School, and Beech Grove High School. The construction referendum tax of .15 increases the local property tax by an average of \$60 per year for the average home in Beech Grove City Schools.

The school district would like to thank everyone who went door to door to encourage our community to step up for the students in our school district and vote “Yes.” We believe that this vote will change the lives of students for “generations.”

Revenue:

Final Proceeds from Bond Issue	\$8,758,210
Common School Construction Loan	<u>\$1,995,000</u>
Total Construction Revenue	\$10,753,210

Cost Per Site:

Bond Issuance Cost	\$ 175,000
Bond Interest Cost	\$ 260,596
Performing Arts Center	\$4,655,216
Beech Grove High School HVAC	\$2,101,691
Beech Grove Middle School HVAC	\$1,550,990
South Grove Intermediate School HVAC	\$ 617,464
Hornet Park Elementary HVAC	\$ 206,666
Beech Grove High School Plaza and Site Work	\$ 327,520
Beech Grove High School Miscellaneous Items	\$ 602,129
Beech Grove High School Roof Project	<u>\$ 255,938</u>
Total Construction and HVAC Cost	\$10,753,210

Beech Grove High School Performing Arts Center

Total Cost: \$4,655,216

Performance Services was selected to design and deliver a \$4.7 million renovation to Beech Grove City School's Performing Arts Center. PSI designed high-performance educational spaces for the band, choir, and drama programs, each of which were outfitted to provide fully functional spaces for their respective programs. Each new or renovated space meets optimal learning environment standards for maintaining temperature, humidity, ventilation, background noise, and light levels.

These facilities were built to accommodate the band, choir, drama, winter guard, and drum line performing arts program. The band room was built as large as a full size gym floor so that the winter guard and drum line could train and compete without having to utilize other areas of the school. Our choir room has a dance floor and an area where the students can practice on risers to practice for performances and competition. In addition, ample storage areas were built for all the programs to share.

These facilities provide a 21st Century Learning opportunity for our students and staff!

Beech Grove High School HVAC Project

Total Cost: \$2,101,691

The upgrades to the mechanical system at the high school were completed in conjunction with the new performing arts addition. Part of this work was to replace the old AHU, Chillers, VAV boxes, Vertical classroom unit and temperature control system to bring the school up to an energy star rating and maintain a 21st century learning environment ensuring comfort to all the staff and students.

Beech Grove High School Roofing Project

Total Cost: \$255,938

The pool roof at Beech Grove High School was replaced due to the age and consultant recommendation. The new roofing will prolong the integrity of the area from the natural weather elements for the next 20 years.

Beech Grove Middle School HVAC Project

Total Cost: \$1,550,990

The work that was completed at the school was to replace the old non-working HVAC system in the main office area. This entailed installing a new roof top air handling unit and new ductwork and piping throughout the office area and temperature controls to the equipment. Also all of the remaining classrooms were converted from old horizontal heating and cooling units to new vertical classroom units. These will allow individual classroom to maintain an optimal learning environment for the staff and students.

The existing equipment that was controlled by an outdated control system was replaced so the school now is controlled by one system.

South Grove Intermediate Schools HVAC Project

Total Cost: \$617,464

The work that was completed at the school was to replace the old non-working HVAC system in the main office area. This entailed installing a new roof top air handling unit and new ductwork and piping throughout the office area and temperature controls to the equipment. Also all of the remaining classrooms were converted from old horizontal heating and cooling units to new vertical classroom units. These will allow individual classroom to maintain an optimal learning environment for the staff and students.

Hornet Park HVAC Project

Total Cost: \$206,666

During the HVAC renovations at the school several old roof top air-handling units were replaced along with ductwork modifications and new control upgrades. These modifications and upgrades will allow better comfort and lower maintenance cost over the next several years in this facility. This project was not part of the original plan when the referendum planning took place.

Hornet Plaza Area

Total Cost: \$327,520

Performance Services, with the assistance of the school, designed an inviting pedestrian plaza in between the school building and football field. This new Plaza was added to enhance the appearance and functionality of the space. This cost included the site work, asphalt, cement, brick pillars, and the additional security fence and gates. The security fence around the entire activities complex was also painted to enhance the appearance of the entire campus

Other Miscellaneous Projects

Total Cost: \$602,129

Classrooms received new carpet throughout the district. In addition, the former High School Media Center was converted to the new Hornet Enrichment Academy to house 100 students. In addition, the Media Center was relocated to the second floor and changed to a Collaboration Center. The site work for the Performing Arts Center was \$75,000 over the original cost because two old barn foundations were discovered under the high school parking lot. The security system was updated in some parts of the district to enhance the safety for our office staff.

The overall cost of the project was over one million five hundred thousand dollars more than when the referendum took place. Once the detailed planning took place with the Performing Arts staff and the HVAC design Team, the cost of the project increased.

Mike McMorrow Auditorium

The Mike McMorrow Auditorium was part of the overall enhancements to the Performing Arts facilities at Beech Grove High School. Because of the additional cost of 1.5 million to expand the size of the band and choir rooms along with the additional cost for the site plan, we are targeting these improvements in a future project.

Mike McMorrow Auditorium Estimate Cost:

Seating and Flooring	\$442,088
House Lighting & Paint	\$227,744
Theater Lighting System	\$315,634
Sound & Intercom System	\$189,539
Stage Curtains	\$ 97,729
Auditorium Projection	\$110,797
Stage Floor Replacement	\$ 72,993
Orchestra Pit Filler	<u>\$ 61,703</u>

Total Base Project **\$1,518,226**

Lobby Projects for Auditorium

Lobby Improvements	\$145,903
Restroom Renovations	\$105,254
Remove Ticket Booth	<u>\$ 22,647</u>

Total Auditorium Improvements **\$273,803**

Total Mike McMorrow Auditorium and Lobby Improvements **\$1,792,029**

Interest Expense Balance **\$167,456**