

Shawnee Mission School District

Shawnee Mission, Kansas

Located in suburban northeast Johnson County, Kansas, in the Kansas City metropolitan area, Shawnee Mission USD 512 is the third largest school district in the state of Kansas. It serves approximately 27,700 students with 33 elementary schools, five middle schools and five high schools. Since 1969 when 13 districts unified to become one, it has been ranked among the finest school districts in the nation.



CHALLENGE

- District needed a facility planning tool to become operationally efficient and quantify and prioritize immediate and future needs.
- Had a deferred maintenance backlog of energy inefficient and aging equipment and systems, safety and thermal comfort items.
- Needed an approach that would minimize the design and construction time line, maximize budget dollars and utilize a team specialized in deferred maintenance work.



SOLUTION

- District hired Trane to complete \$11.47 million worth of mechanical system upgrades, building automation and lighting upgrades.
- Trane developed a “not-one-size-fits-all” approach for the District’s unique needs. The approach combined consulting, master planning, engineering, architectural services, direct replacement of equipment and systems, recommissioning, redesigned solutions and component replacement.
- Utilized Energy Performance Contract K.S.A. 75-37, 125, allowing the improvements to be paid for with the energy, operational, and maintenance savings that result.



RESULTS

- Utility and operational savings are expected to be more than \$135,000 annually.
- Replaced aging equipment and systems, reducing the deferred maintenance backlog.
- Enhanced lighting, air quality, and reduced noise levels improved classroom conditions to create a better learning environment.
- The unique approach stretched the District’s budget dollars further and work was implemented faster than a traditional design, bid and build delivery method.