



Pickett, Kelm & Associates, Inc.
Consulting Structural Engineers

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Hudson Bend Middle School Improvements

PROJECT TYPE:
PUBLIC SCHOOL

PROJECT LOCATION:
LAKEWAY, TEXAS

PROJECT OWNER:
LAKE TRAVIS INDEPENDENT
SCHOOL DISTRICT

ARCHITECT:
FIELDS & ASSOCIATES

GENERAL CONTRACTOR:
BAIRD WILLIAMS CONSTRUCTION

COMPLETED:
2014

CONSTRUCTION COST:
\$17,529,000



PROJECT DESCRIPTION:

Pickett, Kelm & Associates provided structural engineering services for facility improvements to an existing two-story middle school. Improvements consisted of 6th, 7th and 8th grade classroom additions; a library addition; an athletics and fine arts addition; kitchen and cafeteria expansions and renovations; a connecting link between the cafeteria and classroom additions; new canopies; a gazebo; site retaining walls; an amphitheater; and a water quality pond.



Roof structures consisted of steel framing. Upper floors consisted of composite steel framing. Lower floors consisted of ground supported slabs, and foundations consisted of drilled piers into limestone. Project involved approximately 80,000 square feet of additions. Part of the 7th grade classroom wing was constructed over the existing water quality pond to preserve the required retention volume. Resistance to lateral loads was provided by a combination of braced steel frames and concrete masonry shear walls.