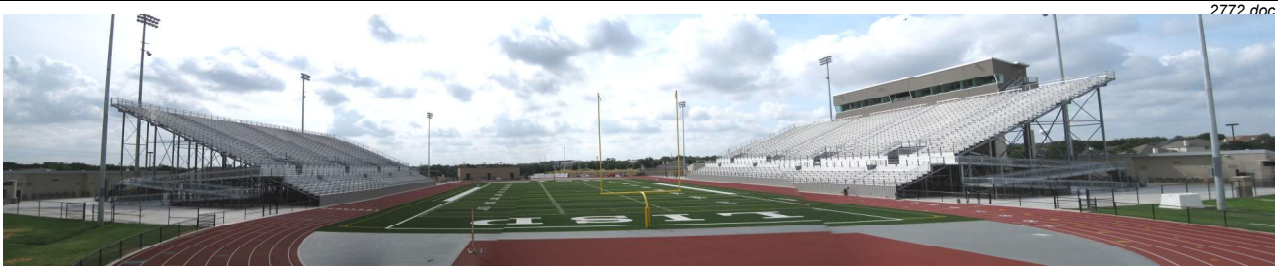
Pickett, Kelm & Associates, Inc.
Consulting Structural Engineers



A.C. Bible, Jr. Memorial Stadium Improvements

PROJECT LOCATION: LEANDER, TEXAS

OWNER: LEANDER ISD

GENERAL CONTRACTOR: FT WOODS

PROJECT COMPLETED: 2010

CONSTRUCTION COST: $12,000,000

PROJECT DESCRIPTION:

Pickett, Kelm & Associates, Inc. provided structural design services for improvements to this stadium located at Leander High School in Leander, Texas. The project included the demolition and removal of the existing pressbox, field lighting towers, concessions and restroom buildings and 12,000 seats of existing grandstands. Improvements consisted of new grandstands; a new pressbox structure at the west side; new concessions and restroom buildings at both sides; drainage improvements; construction of a water quality pond; relocation of the baseball field; new practice fields; new surface parking; new field turf; and new track surface.

A new 3,450 square foot pressbox and new galvanized steel and aluminum grandstands, with seating for approximately 10,200 were provided for the new stadium. Other facilities included spectator and band restrooms, concessions buildings and ticket booths, totaling 14,450 square feet. The project also included a new storage building under the home side grandstands and plaza areas at both the home and visitors sides.

The pressbox consists of a steel framed roof, almost 80 feet above the field, with a composite steel framed floor 62'-7" above the field, supported by structural steel columns. Resistance to lateral loads is provided by two rectangular, braced steel towers, with each tower roof sloped perpendicular to the main roof. Elevation changes at the pressbox floor are accomplished by use of an elevated floor consisting of a topping slab on corrugated steel formdeck supported by light gage steel stud walls and the main floor system. Vertical press box loads are partially supported by transfer girders and the grandstand columns at four locations. Reactions, furnished to the grandstand manufacturer, were incorporated into the grandstand design. Lateral movements of the pressbox were isolated from the grandstands at the transfers by the use of slide bearings. Foundations consist of drilled shafts to limestone. Press box cladding consists of a combination of masonry, EIFS and metal siding.

The home side concessions building, located at the base of the pressbox structure, consists of a steel framed monosloped roof supported by steel columns. Exterior cladding consists of CMU. The roof framing at the concessions building was designed to support the weight of scaffolding construction loads during construction.

All other buildings consist of wood roof decks, wood rafters and load bearing concrete masonry walls. Roofs are standing seam, sloped from front to rear at a 3:12 pitch. Structural foundations consist of grade beams and drilled piers to limestone.

The project was delivered on a Construction Manager-at-Risk basis.

4100 Duval Road, Building 4, Suite 103 • Austin, Texas 78759-4277 • (512) 345-5538 • FAX (512) 345-4305