Pickett, Kelm & Associates, Inc.
Consulting Structural Engineers

Kyle Field Video Display Scoreboard

PROJECT LOCATION: COLLEGE STATION, TX.

PROJECT OWNER: TEXAS A&M UNIVERSITY

DESIGNER/BUILDER:
MITSUBISHI ELECTRIC POWER PRODUCTS

COMPLETED: 2006

CONSTRUCTION COST: N/A

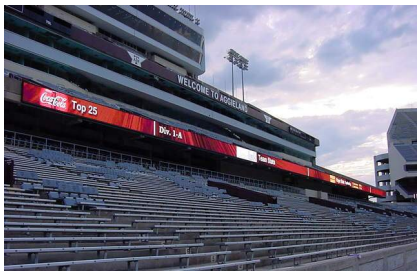
PROJECT DESCRIPTION:

Pickett, Kelm & Associates provided structural engineering design and construction phase support for this 110' tall x 92'-6" wide state-of-the-art video scoreboard for Texas A&M's Kyle Field. The video display measures 54' x 73' and contains 154 individual video modules. At the time of its construction, it was the second largest video display in collegiate athletics, one of the 10 largest in the world, and seven times larger than the display that it replaced.

The structure consists of structural steel framing, with braced steel legs, or towers, approximately 11' square, at each side, and has eight levels and a roof, which serves as a camera deck. The floor levels consist of steel grating supported by steel framing. The roof level consist of a concrete deck supported by steel framing. The base of the legs and top are clad with metal siding, with the top section arched to blend with the Bright Football Complex to the south. The remainder of the cladding consists of stretched fabric. The foundation consists of grade beams supported by drilled shafts with underreamed footings.

The structure contains 105 tons of structural steel.

In addition to housing the video modules, the structure encloses electrical equipment, audio equipment, access stairs, a hoist and cooling equipment. The structure was designed to the video manufacturer's specifications to limit horizontal deflections, or drift, under wind loads.



PKA also provided design and detailing for over 1,100 lineal feet of video ribbon displays at the second deck around Kyle Field.

The project was delivered on a Design-Build basis.