



PROJECT PROFILE

KCHS Athletic Fields

Klein, Texas

Client:
Klein Independent School District
Klein, Texas

Approximate Construction Cost:
N/A

Year Completed:
July 2010

Services Provided:
Assessment

Contractor:
N/A



A total of 16 steel light poles are located on the athletic fields (football, baseball, and softball) at Klein Collins High School located in Klein, Texas in northern Harris County outside of Houston, Texas. The light poles typically are fabricated with thin-walled steel tubes and transverse steel base plates. These poles were manufactured and installed by a company during the period from 2000 to 2006 and were identified by The United States Consumer Product Safety Commission (CPSC) in a Consumer Bulletin for "Recall to Repair". The recall notice stated that the outdoor steel light poles "Can fracture or crack and fall over, posing a risk of serious injury and death to patrons and bystanders from being hit or crushed." The CPSC also recommended that the poles be inspected by a Professional Engineer and use Non-Destructive testing inspection techniques to identify cracks in the light pole welded connections. Klein ISD hired PCI to perform the assessment and testing of the assemblies.

PCI performed a visual condition assessment and a combination of Non-Destructive Magnetic Particle and Non-Destructive Ultrasonic Testing testing of the welded connections on the base plates and provided a report of findings together with corrective action and representative photographs of the documented conditions. PCI performed the initial inspection and subsequent follow-up annual inspections.