



JOSEPH KLEIN, P.E.
PROJECT ENGINEER

klein@pivotengineers.com 

REGISTRATIONS

- Professional Engineer: TX

HONORS AND AWARDS

- Cullen M. Crain Endowed Scholarship in Engineering, 2013
- ICRI Project of the Year, 2020
- ICRI Excellence in the High-Rise Category, 2020
- ACI Excellence in Concrete Construction, 2021

PROFESSIONAL ACTIVITIES

- American Concrete Institute
 - ACI 348 Structural Reliability Secretary
 - ACI 437 Strength Evaluation
 - ACI 437A Test Database
 - ACI 444 Structural Health Monitoring
 - ACI 132 Responsibility in Construction
 - ACI 421 Design of Reinforced Slabs

EDUCATION

The University of Texas
B.S.C.E. with High Honors, 2013

The University of Texas
M.S.C.E., 2015

EXPERIENCE

As a structural engineer, Joseph readily accepts any challenge thrown at him. He is equally comfortable investigating skyscrapers from a swing stage or crunching numbers from his desk. Joseph has worked on a wide variety of projects, gaining experience in structural repair and strengthening design, non-destructive testing, load testing, structural health monitoring, corrosion assessment, and construction litigation support.

REPRESENTATIVE PROJECTS

High-Rise Building – Performed an analysis of elevated slabs experiencing significant deflections during construction.

Commercial Office Building - Provided investigation and repair consulting services related to deflection and strengthening aspects of a reinforced concrete commercial structure during construction.

Dormitory - Investigated and provided repair consulting related to deflection and strengthening aspects of a reinforced concrete dormitory after construction.

High-Rise Condominium - Performed a field evaluation and developed a repair design of reinforced concrete balcony slabs experiencing significant corrosion shortly after construction.

Water-Conveying Tunnel - Investigated a water-conveying tunnel with construction defects. Provided repair recommendations and litigation support.

Cable-Stayed Bridge - Evaluated concrete mixture specifications. Performed a thermal modelling of concrete mixture hydration.

Educational Building - Investigated a historic educational structure undergoing a restoration and renovation project. Provided repair recommendations.

Chemical Storage Tank Foundation - Performed a soil-structure interaction analysis to estimate stress and strain in the reinforced concrete foundation during tank operation.

Parking Garage - Performed an assessment and provided repair recommendations for a precast concrete garage experiencing significant corrosion and structural distress.