

Curriculum Vitae Arnoldo Artiles, P.E.

Civil/Structural Engineer



EDUCATION

Master of Science, Civil Engineering,
Florida Institute of Technology

Bachelor of Science, Civil Engineering,
Florida Institute of Technology

REGISTRATIONS AND CERTIFICATIONS

Professional Engineer in Arizona,
Colorado, Florida, Nevada, North
Carolina, South Carolina, Texas,
Virginia, Idaho, and the Virgin Islands

AFFILIATIONS

Member, American Institute of Steel
Construction (AISC)

PROFESSIONAL EXPERIENCE

Civil/Structural Engineer, Kimley-Horn
and Associates, Inc., Phoenix, AZ, 2006
– Present

PROFESSIONAL SUMMARY

Mr. Artiles is a forensics engineer with 17 years of experience in structural engineering projects through all phases of design, permitting, and construction. He has an in-depth understanding of Building Code deficiencies and writing professional code compliance opinions on the structural reliability of structures. His area of expertise includes buildings, parking garages, stadiums, steel structures, cast-in-place concrete, prestressed concrete, masonry, aluminum, and timber design. Mr. Artiles has prepared plans and specifications, and has provided construction phase engineering. He has also conducted condition assessments and damage investigations on commercial, residential, marine and industrial structures.

RELEVANT EXPERIENCE

City of Surprise, Baseball Stadium Condition Assessment, Surprise, AZ — Project manager. Kimley-Horn completed a property condition assessment report on the physical condition of the City of Surprise Baseball Stadium. The team visually assessed the tunnels, curbing, sidewalks, seating areas, structural steel frame, dugouts, suites, and roofs. The team then prepared construction documents, suitable for bids to restore the stadium to a pre-damaged condition. Lastly, Kimley-Horn provided construction phase services that involved attending the pre-construction conference, site visits, and answering requests for information (RFIs).

Mayo Clinic, Structural Assessment, Hardscape Remediation, and Restoration, Scottsdale, AZ — Project manager. Kimley-Horn conducted a structural condition assessment and cost estimating for the Mayo Clinic in Scottsdale to assess existing structural deficiencies, determine cause of origin of water intrusion into their facilities and underground parking garage, and estimate infrastructure repair costs. Mayo Clinic used this information to develop programming schedules and budgets for future years. Kimley-Horn developed construction documents to provide new drainage, landscaping, waterproofing, and structural modifications to the campus.

Northern Arizona University (NAU) Parking Structure Maintenance, Flagstaff, AZ — Project manager. Kimley-Horn prepared construction documents for the repair of the Knoles, San Francisco, and Mountain View parking garages at NAU. The repairs varied from waterproofing, expansion joint replacement, concrete spalls, and cracks at multiple locations. The repairs also included repairs for localized concrete failure that allowed water intrusion into the parking level below. Our team provided bid and construction administration services to monitor and document that the repairs were in conformance with the construction documents.

9 Island Avenue, Miami Beach, FL — Project engineer. Kimley-Horn performed a condition assessment of the 623-linear-foot seawall on the east side of 9 Island Avenue in Miami Beach. Our services included boardwalk and seawall assessment; repair plans, specifications, and opinion of probable cost; permitting; and bid and construction phase services.

900 Biscayne, Miami, FL — Project manager. Kimley-Horn provided professional engineering services for the third tallest building in Miami. 900 Biscayne Bay is a 65-story high rise building that was built in 2008. Due to issues with the settling of the building, cracking of exterior facade, plumbing malfunctions, undersized cooling towers and pumps, and amenity deck paving movement, Kimley-Horn recommended several in-depth assessments in addition to a required property condition assessment. The additional assessments recommended were a structural evaluation, glass and glazing evaluation, traffic evaluation, and an elevator evaluation.