

CAPABILITY STATEMENT



WHO WE ARE

At Anderson & Arellano Engineering, we specialize in providing valuable, accurate information on existing structures and foundations that may not be readily available.

AAE is a structural engineering firm and small business of (8) personnel that primarily assesses, inspects, and maps existing structures and foundations of all types using a variety of non-destructive testing technologies to provide essential information necessary for engineering analysis, modification design, or construction efforts.

CORE COMPETENCIES

- Non-Destructive testing to determine as-built details.
- Assessment, inspection and mapping of existing structures.
- Structural engineering and design of tower structures.
- Tension testing and assessment of post-tensioned anchor rods (in Tainter Gate dams, soil anchorage, and concrete foundations)

DIFFERENTIATORS

- AAE serves all of the geographic United States
- Field assessments are conducted by experienced engineers
- AAE is experienced in a variety of different industries including telecom, transmission power, broadcast, renewable power, transportation and oil & gas.
- AAE is especially adept at solving complex engineering problems related to as-built structures and their remediation or repurposing.
- Aid in extending service life of existing structures through assessment and repair design.

TECHNOLOGIES

- Dispersive wave testing (variety of applications)
- Parallel-seismic testing
- Ground-Penetrating Radar (concrete & ground scanning)
- Pull or Liftoff testing of post-tensioned anchors
- Terrestrial LiDAR
- Concrete compressive strength testing

UEI: Q421QHBB6SC6

CAGE: 11NE3

NAICS CODES

- 541330** – Engineering Services (Primary)
- 237310** – Highway, Street & Bridge Construction
- 237130** – Power & Communication Line Construction
- 236220** – Commercial & Institutional Construction
- 237990** – Other Heavy & Civil Engineering Construction
- 237120** – Oil and Gas Pipeline and Related Str. Construction

CERTIFICATIONS

- Professional Engineering Licensure 30+ States
- Certified Weld Inspectors (CWI) D1.1
- UAS Part 107 Drone Pilots
- Infrared Thermography
- Jobsite Safety: OSHA 30, Hazwoper 40, Red Cross, Fall-Arrest
- Equipment Operation: MEWPS, Forklifts, Excavators

Software: RISA, TNX Tower, AutoCAD, ANSYS

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sanderson@aaeng-pll.com

www.aaeng-pll.com

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PAST PERFORMANCE (200+ Projects)

Post-Tensioned Soil Anchor Rod Evaluation – Palisades, CA

Services contracted by the City of Los Angeles with Geostabilization International as the prime contractor, Access-Limited Construction as the specialty contractor and AAE as their specialty engineering consultant. AAE conducted an investigation during Sept. 2025 into the in-situ tension of post-tensioned soil anchors following wildfires that engulfed the bulkheads. – Contract Value: \$38,000

Pile Investigation of a Beach House – Hampstead, NC

Services contracted by the homeowner with Andrew Engineering & Consulting as the engineering consultant and AAE as their specialty engineering consultant. AAE conducted an investigation during March 2025 utilizing dispersive wave testing to determine the embedment of the piles supporting the structure during litigation. Contract Value: \$5,500

Structural Analysis of a Long-Wave Array – Fort Collins, CO

Services contracted by WWVB with International Towers as the general contractor and AAE as the engineering consultant. AAE conducted a structural analysis of two groups of four guyed towers each that were interconnected with guy wires forming the antenna configuration during July 2025. AAE also prepared maintenance modification drawings for each tower. – Contract Value: \$35,200

Structural Mapping & Structural Analysis of a Rooftop Tower – Council Bluffs, IA

Services contracted by Pottawattamie Courthouse with Forge25 as the engineering consultant and AAE as the specialty engineering consultant. AAE conducted a structural mapping and analysis of the roof system and the connections securing a 100' guyed tower to the roof of the courthouse during Sept. 2026 in preparation for replacement with a larger tower. – Contract Value: \$10,000

Structure & Foundation Mappings of Towers – Okeechobee, FL

Services contracted by L3 Harris with Neel-Schaffer as the engineering consultant and AAE as the specialty engineering consultant. AAE conducted structure mappings and utilized dispersive wave testing to characterize the foundations of three towers during August 2026. – Contract Value: \$25,000

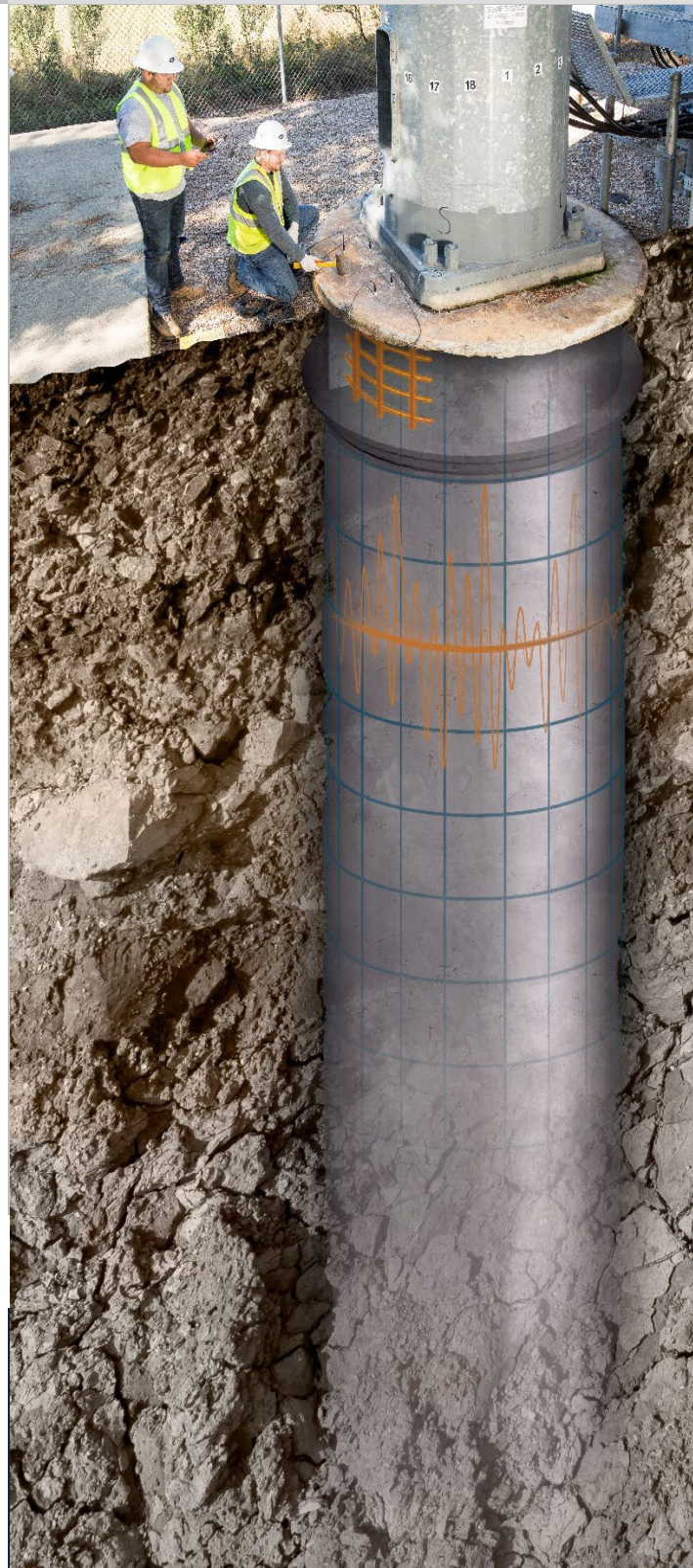
KEY CLIENTS

Engineering Firms: MasTec Network Solutions, Neel-Schaffer, Forge 25, JDS Consulting, Mission 1 Communications, Stonewall Structural Engineering, Network Building + Consulting

Contractors: Broadcast Construction Solutions, International Towers, Access Limited Construction

Asset Owners: City of Los Angeles, Individual Homeowners

Academic Research: ARTx, North Carolina State University



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