



## Aaron Morse

PE

### Senior Project Manager

#### Department

Engineering Services

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#### Locations

Anchorage, AK

## Biography

Aaron Morse is a licensed professional engineer with broad engineering experience in Alaska, including structural design of new structures, damage assessments & repair designs for existing structures, and construction administration. He has designed and assessed various structures, including military hangars, barracks, and storage facilities; platforms, pipe racks, canopies, pipe supports, and equipment foundations for the Alaska oil and gas industry; schools; and tenant improvement projects. He also spent the first five years of his career in construction management in both Alaska and Canada, gaining valuable insight into how foundations are constructed, how structures are erected, and the importance of constructability in engineered designs.

## Credentials

- PE | Professional Engineer

## Representative Consulting Assignments

- Refinery Truck Rack Assessment | Valdez, AK | Fire | Evaluation of steel canopy structure following explosion and fire.
- Braced Frame Post-Earthquake Assessment | Anchorage, AK | Seismic | Investigation and condition assessment of structural steel braced frame behind architectural soffit following 2018 magnitude 7.1 earthquake.
- Liquid Natural Gas Plant | Deadhorse, AK | Design | Lead structural engineer responsible for design of steel piles installed in permafrost for support of three pre-engineered metal buildings, exterior equipment, and pipe rack; design of buildings' concrete grade beam foundation; design of multi-tier structural steel pipe and cable tray rack; construction administration.
- Seafood Cold Storage Facility | Dutch Harbor, AK | Wind Damage | Condition assessment, code study, and design of pipe supports for replacement rooftop refrigeration piping.
- Public Transit Maintenance Facility | Anchorage, AK | Seismic | Preparation of architectural and structural repair drawings for building damage sustained during 2018 magnitude 7.1 earthquake.
- University Equipment Storage Facility | Anchorage, AK | Deteriorated Roof Structure | Leak investigation, condition assessment, and prepare structural repair scope and drawings.
- Refinery Tank Heating Project | Kenai, AK | Design | Lead structural engineer responsible for design of structural steel pipe bridge over existing roadway, pipe supports, concrete foundation for heat exchanger, and steel pile foundation system for MCC module.
- Public Artwork Post-Earthquake Assessment | Anchorage, AK | Seismic | Visual assessment of dozens of public artwork pieces throughout city following 2018 magnitude 7.1 earthquake.

## Professional Experience

- 2023 - Current | Senior Project Manager | YA Engineering Services

- 2014 - 2023 | Structural Engineer | Coffman Engineers, Inc.
- 2014 - 2014 | Staff Engineer | Michael L. Foster & Associates, Inc.
- 2014 - 2014 | Field Superintendent | Kiewit Building Group, Inc.
- 2009 - 2014 | Field Engineer | Kiewit Building Group, Inc.

## Education

- University of Alaska, Fairbanks - Bachelor of Science - Civil Engineering - Fairbanks - Alaska

## Affiliations

- Cal OES - Safety Assessment Program Volunteer

## Licenses

- 113897 - Alaska - Registered Professional Civil Engineer
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