

Sophia Hernandez

P.E.

Senior Civil Engineer

CONTACT

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Denver, CO

EDUCATION

Bachelor of Science in Civil Engineering

University of Colorado Boulder | 2008 – 2012

Certifications

- Professional Engineer (P.E.) License – Colorado State Board | Issued: August 2016
- OSHA 30-Hour Construction Safety Certification | Issued: April 2015

Professional Affiliations

American Society of Civil Engineers (ASCE)

Active member since 2014, contributing to workshops and seminars on sustainable engineering solutions.

PROFESSIONAL SUMMARY

Seasoned Senior Civil Engineer with experience designing and overseeing large-scale infrastructure projects, including bridges, highways, and commercial developments. Proven leader in managing teams and ensuring compliance with safety and environmental standards. Skilled in AutoCAD, structural analysis, and project management.

EXPERIENCE

Senior Civil Engineer

2018 – Now

AECOM, Denver, CO

- Manage design and construction of the I-70 Express Lanes Expansion Project, improving traffic flow for 200,000+ commuters.
- Lead a team of 8 engineers to deliver sustainable drainage systems, achieving LEED Gold certification.
- Conduct structural analysis on bridges, increasing load-bearing capacity by 15%.
- Ensure compliance with safety regulations, achieving zero safety incidents during a 3-year project.
- Coordinate with local agencies and stakeholders to minimize disruptions and maintain project timelines.

Civil Engineer

2013 – 2018

Jacobs Engineering Group, Salt Lake City, UT

- Designed 3 new highway overpasses meeting AASHTO standards and local regulations.
- Performed geotechnical evaluations and created detailed feasibility studies for commercial projects.
- Implemented cost-saving measures, reducing project expenses by 10% without compromising quality.
- Collaborated with contractors to ensure projects were completed on time and within budget.

SKILLS

Software: AutoCAD, Civil 3D, Revit, SAP2000, STAAD.Pro

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Project Management: Budgeting, scheduling, and team leadership

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Technical: Structural analysis, geotechnical engineering, site inspections

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Compliance: Familiar with FHWA, AASHTO, and local municipal codes

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