NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS

Interim Board Meeting
June 11, 2026
Virtual

1. Meeting Call to Order

2. Public Comment

3. NRS 625
Waiver Requests

4. Non-Appearance Applications for Initial Licensure

NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS EDUCATION CREDIT GUIDELINES

DEGREE	YEARS CREDIT (MAX)	YEARS ACCEPTABLE EXPERIENCE REQUIRED
Undergraduate (BS): ABET/EAC accredited	4	4
Undergraduate (BS): ABET/ETAC accredited	4	4
Undergraduate (BS Engineering): Washington Accord	4	4
Undergraduate (BS Engineering): Non-ABET/non-Washington Accord (must meet NCEES education standard, any deficiencies to be considered by board)	4	4
Undergraduate (BS Construction Management): ABET accredited	4	4
Undergraduate (BS Construction Management): Not ABET accredited but institution has ABET accredited engineering programs	4	4
Engineering Masters: US Masters with non-US BS and/or non-Washington Accord in Engineering	6	2
Engineering Doctorate: US Doctorate with non-ABET/non-Washington Accord/foreign BS+MS in Engineering	6	2

NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS
LAND SURVEYING EDUCATION CREDIT GUIDELINES

DEGREE	YEARS CREDIT (MAX)	YEARS ACCEPTABLE EXPERIENCE REQUIRED
Undergraduate (BS Surveying): ABET/EAC accredited	4	4
Undergraduate (BS Surveying): ABET/ETAC accredited	4	4
Undergraduate (BS Surveying): ABET/ANSAC accredited	4	4
Undergraduate (BS Surveying): non-accredited	4	4
Surveying Associates Degree + another associates degree	4	4
Surveying Masters Degree	2	2
Engineering degree with a minimum 30 surveying credits hours (must include a PLSS course)	4	4
Non-Engineering Bachelor of Science degree with a minimum 30 surveying credit hours (must include a PLSS course)	4	4
Bachelor of Arts degree with a minimum 30 surveying credits hours (must include a PLSS course)	4	4
Bachelor of Arts degree + Surveying Associates Degree	4	4
Military Specialty in Surveying + Surveying Associates Degree	4	4

Civil

BRENDON ALLRED (22-179-26)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/07/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
4 years

Total Engineering Experience
4 years

Experience under licensed engineer
4 years

Disciplinary Action
None reported

EDUCATION

Bachelors in Civil Engineering (EAC)
Brigham Young University
September 2018–April 2022

EXAMS

Fundamentals of Engineering (FE)
Nevada
May 2022

Principles and Practice of Engineering (PE)
Civil
Nevada
November 2024

LICENSES

Additional Licenses
None

BRENDON ALLRED (22-179-26)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Kimley-Horn
Nevada (United States)
Engineering Analyst
May 2022—May 2026

Verified by
Devin Val Moore
devin.moore@kimley-horn.com

Experience Summary
Full-Time
Engineering: 4 years
Post EAC degree: 4 years
Experience under licensed engineer: 4 years

TASKS

My role at Kimley-Horn began as an intern where I worked with other team members who trained and taught me technical skills to perform traffic analysis. After college I have further developed my technical skills. Over time I have transitioned into training other team members, reviewing others work, and providing technical advice to clients in the early stages of the project.

I specifically work in transportation engineering. The technical tasks I am responsible for as a traffic engineering analyst include:

• Collecting various traffic data such as turning movement counts, road volumes, speed data, pedestrian/bicycle counts, queue service times and length, school queuing, parking occupancy, crash history, vehicle gaps, signal timing, and vehicle trajectories.
• Validation that collected data is accurate and suitable for traffic analysis.
• Projecting future traffic volumes based upon current growth trends or planned future development/surrounding land use.
• Estimation of traffic generation for specific land uses.
• Distribution and assignment of project traffic throughout the street network.
• Calculation of level of service at intersections or segments.
• Calculation of the 95th percentile queue at turn lanes.
• Queuing analysis for residential gates, fast food restaurants, industrial truck operations, etc.
• Development of mitigation measures to improve traffic operations.
• Development of traffic models to evaluate performance.
• Estimating the operational benefits and costs of improvements for benefit cost analysis.
• Calculating the expected impact of safety improvements using appropriate crash modification factors.
• Development of coordinated timing plans for to improve corridor operations.
• Evaluation of the improvement caused by intelligent transportation systems improvements.
• Evaluation of on-site wayfinding signage and circulation routes for pedestrians and vehicles.
• Concept design of geometric improvements and parking layout and configuration.
• Evaluation of onsite circulation ensuring that design vehicles can traverse the project site.

REPRESENTATIVE PROJECTS

Various Traffic Impact Studies (May 2022 – May 2026) – Las Vegas Valley, Nevada
• Worked on 100+ Traffic Impact Studies (primarily in the Las Vegas Valley but also in northern Nevada, Arizona, Utah, Colorado, New Mexico, and Washington State).
• Determined and applied appropriate growth rates for existing traffic volumes.
• I performed various traffic analysis including, but not limited to, LOS analysis (for intersections and segments), left turn storage analysis, gated queue analysis, signal warrant analysis and make recommendations as appropriate to improve future traffic flow and increase traffic safety.
• I performed data collection at over 50 intersections in the Las Vegas Valley.
• I evaluate access management concerns and led serval meeting between agencies and our Clients to find resolutions.
• I download and summarize vehicle crash data.
• I now review the work of others to ensure appropriate engineering judgement has been applied to the traffic analysis and calculations before having the final check from a licensed engineer.
• I performed trip generation estimates using both the ITE Trip Generation Manual and local or site specific rates.

TJ Maxx Warehouse Parking Lot Reconfiguration (September 2023 – December 2023)
• I visited the site, observed conditions/issues, and listened to the Client's safety, circulation, and security issues with the existing parking layout.
• I designed conceptual layouts to reconfigure the existing parking lot to improve efficiency and increase pedestrian safety.

• I then presented the findings to the Client's team.

Flamingo Road Safety Management Plan (October 2024 – May 2025)
• I calculated the benefit cost ration of several treatments using crash modification factors, historical crash information, severity crash costs, and construction cost estimates.
• I reviewed traffic volume information and prepared LOS analysis.
• I reviewed and backchecked the calculations for the level of bicycle traffic stress and level of pedestrian stress along Flamingo Road.

A's Baseball Stadium and Integrated Resort Traffic Impact Study (October 2023 – November 2025)
• I calculated typical conditions Level of Service Analysis and recommended permanent mitigations to reduce vehicle delays to acceptable Level of Service.
• I calculated event conditions Level of Service Analysis and developed temporary traffic control concepts to reduce event traffic delays along with recommending other event management strategies.
• I calculated and modeled the existing and expected future queuing needs for the impacted left turn movements.
• I designed preliminary on-site roadway configuration concepts, evaluated on site circulation by checking vehicle turning templates (for semi-trucks, limos, busses, and typical passenger vehicles), and provided recommendations on the circulation of the proposed parking structure.
• I designed preliminary bus turnouts that accommodated multiple busses at one time with corresponding large areas for large groups of pedestrians to exit and arrive for an event.
• I estimated traffic generation and parking demand for event conditions.
• I calculated the pedestrian level of service for various sidewalk segments, pedestrian bridges, and pedestrian plaza spaces.

Sparks Intelligent Corridors (June 2024 – October 2025) – Sparks, Nevada
• I analyzed existing travel times along the target corridors and determined appropriate thresholds where a flush plan could be dynamically implemented.
• I assisted with the design and testing of the flush plans used along the corridor. These flush plans involved reservicing left turn movements within the same cycle, and used very high cycle lengths to accommodate peak traffic volumes.
• I calculated the cost savings due to the reduced travel time from the implementation of the program using the FHWA methodology.

Formula 1 Las Vegas Signal Operations Support (November 2025)
• I used the CCTV Cameras to observe traffic conditions throughout the race closures and provide real time information on incidents, congestion, and potential issues to the event management team, signal operations staff, and police staff.

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
May 2016	August 2018	During this time between High School Graduation and the beginning of College, I served as a missionary for the Church of Jesus Christ of Latter-day Saints.

CALEB BONILLA (22-078-01)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/18/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
2 years, 4 months

Total Engineering Experience
2 years, 4 months

Experience under licensed engineer
2 years, 4 months

Disciplinary Action
None reported

ABET EAC

FE EXAM

PE EXAM

EDUCATION

Bachelors in Civil Engineering (EAC)
University of the Pacific
August 2019–December 2023

Masters in Engineering Science
University of the Pacific
May 2021–December 2023

EXAMS

Fundamentals of Engineering (FE)
Hawaii
December 2022

Principles and Practice of Engineering (PE)
Civil
California
September 2024

LICENSES

Additional Licenses
None

CALEB BONILLA (22-078-01)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Michael Baker International
California (United States)
Civil Associate
January 2024—May 2026

Verified by
Carlos Alejandro Martinez
carlos.martinez@mbakerintl.com

Experience Summary
Full-Time
Engineering: 2 years, 4 months
Post EAC degree: 2 years, 4 months
Experience under licensed engineer: 2 years, 4 months

TASKS

I was responsible for the complete civil design for Design-Build, Design-Bid-Build, and Indefinite Delivery Indefinite Quantity Contract projects for NAVFAC Southwest. My engineering duties included the preparation of engineering drawings and the basis of design documents, requiring the application of engineering principles to analyze the site and determine the most cost-effective and optimal design solutions while ensuring compliance with applicable federal, state, local, and project-specific design standards. Furthermore, I utilized AutoCAD Civil 3D to develop models of rough and precise graded surfaces and produced construction drawings that clearly communicated the grading design. My responsibilities also encompassed coordination with the Architectural and Electrical disciplines to maintain design integration across disciplines.

REPRESENTATIVE PROJECTS

The Demolition of Marine Corps Logistics Operations Group Temporary Facilities was a NAVFAC Design-Bid-Build project executed at Marine Corps Air Ground Combat Center Twentynine Palms, California, USA. The project addressed nine temporary structures situated throughout the site. The civil engineering scope was comprehensive, requiring design and technical elements, including the demolition of existing site utilities and features, the development of engineering recommendations and drainage reports, and the design of an intricate stormwater system. I analyzed geotechnical reports, topography, and rainfall data, then formulated a comprehensive drainage strategy. This involved cut and fill calculations to optimize earthwork, and designing a swale system. Using AutoCAD Civil 3D, I developed precise graded surface models, adhering to the Unified Facility Criteria and local codes. A key decision was directing stormwater runoff away from vulnerable facilities by designing a swale network, channeling flow toward the downstream swale and retention basin. I successfully resolved site restraints, like maintaining utility clearance and ensuring no impact on the adjacent facility. These considerations ensured the final grading plan met codes, providing a robust, sustainable drainage solution.

The Marine Corps Installation Bachelors Enlisted Quarters Repair Plan was a NAVFAC Indefinite Delivery Indefinite Quantity Contract project executed at Marine Corps Air Ground Combat Center Twentynine Palms, California, USA. The project addressed one building within a complex with three adjacent quarters. The civil engineering scope was comprehensive, requiring design and technical elements, including conducting field investigations and analysis, the development of engineering recommendation reports, the design of three large parking lots, and the design to mitigate flooding threats to the quarters. I analyzed the existing as-built information to develop a comprehensive stormwater design and associated recommendations. Using AutoCAD Civil3D, I conducted the analysis and developed the design, determining the most cost-effective solution to accommodate the existing drainage system, site layout, and relevant ABA requirements. I decided to direct the drainage from adjacent facilities away from the site and toward the existing drainage system. Furthermore, I resolved challenging site conditions, including limited site space, to ensure the recommended design met all applicable codes and standards.

The Water Utility System Survey and Study was a NAVFAC Indefinite Delivery Indefinite Quantity Contract project executed at Naval Air Station North Island Coronado, California, USA. The project addressed one potable water service area system. The civil engineering scope was comprehensive, requiring design and technical elements, including conducting field investigations and analysis, the development of technical baseline reports, redesigning the existing GIS database, identifying engineering recommendations, and redesigning the hydraulic system distribution model. I analyzed the existing GIS database and as-builts to conduct a comprehensive field investigation, which informed my analysis and engineering recommendations. Utilizing GIS and WaterGEMS, I modeled the collected field data to redesign the hydraulic system distribution model. During this process, I determined whether utility features required upgrades and if the site capacity was sufficient for projected demands. I resolved challenging site restraints, specifically those related to the system's scale and variable water supply, to ensure all recommendations met applicable codes and standards.

The rehabilitation of the combat training tank was a NAVFAC Design-Build project executed at Naval Amphibious Base

Coronado, California, USA. The project addressed a combat training tank and adjacent admin facility. The civil engineering scope was comprehensive, requiring design elements, including the demolition of existing site features, the design of intricate accessible ramps and fire safety egress paths, and the design to mitigate flooding hazards to the facility. I analyzed the existing topography and design standards to complete a comprehensive rehabilitation plan for the site, coordinating closely with other disciplines and the client to achieve the most cost-effective and optimal site solutions. Using AutoCAD Civil 3D, I developed rough and precise graded surface models, adhering to the Unified Facility Criteria and local codes. A key decision involved directing the site's drainage toward a retention basin for storage. Additionally, I successfully resolved challenging accessible site restraints within minimal space, ensuring the site fully met all applicable accessibility codes and standards.

ANDREW CLINE (21-943-50)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/10/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
4 years

Total Engineering Experience
4 years

Experience under licensed engineer
4 years

Disciplinary Action
None reported

EDUCATION

Bachelors in Civil Engineering (EAC)
University of Nevada, Las Vegas
August 2017–December 2021

EXAMS

Fundamentals of Engineering (FE)
Nevada
June 2021

Principles and Practice of Engineering (PE)
Civil
Nevada
April 2022

LICENSES

Additional Licenses
None

WORK EXPERIENCE

Stantec
Nevada (United States)
Civil Engineer in Training
April 2022—April 2026

Verified by
Ryan Thomas Tordella
ryan.tordella@stantec.com

Experience Summary
Full-Time
Engineering: 4 years
Post EAC degree: 4 years
Experience under licensed engineer: 4 years

TASKS

My responsibilities at Stantec consisted primarily of civil engineering design and production support for large-scale water, wastewater, and storm drainage infrastructure projects. Approximately 85% of my role was engineering-related and 15% involved non-engineering support such as document control, coordination, and administrative drafting tasks.

My engineering duties included developing and analyzing existing utility networks using record drawings, GIS databases, and field investigation data; designing proposed sewer, storm drain, and water pipeline systems in compliance with municipal and state standards; and preparing detailed plan and profile sheets across all design phases (30%–100%). I regularly utilized Civil 3D to create and modify alignments, pipe networks, surfaces, profiles, and grading plans, and applied engineering judgment to ensure hydraulic performance, constructability, and regulatory compliance. I performed engineering calculations for valve sizing, restrained joint lengths, flow analysis, and supported development of OPCCs and quantity takeoffs.

I coordinated and managed extensive utility potholing efforts, integrating field data into design drawings, and worked closely with utility agencies, survey teams, contractors, and lead engineers to resolve conflicts and implement design changes. I participated in multidisciplinary coordination, reviewed design submissions, processed client and agency comments, and ensured consistency across construction documents, specifications, and cost estimates. I also supported permitting efforts by interpreting agency requirements and aligning design deliverables accordingly.

Non-engineering responsibilities included supervising interns for record drawing production/compilation, performing CAD cleanup and formatting, tracking cost impacts, and conducting document management for project submittals.

Overall, my role balanced technical design, drafting production, field coordination, and quality control, contributing directly to successful project delivery on complex municipal infrastructure systems.

REPRESENTATIVE PROJECTS

Throughout my tenure at Stantec, I have demonstrated progressive experience in the design and implementation of municipal water, wastewater, and storm drainage infrastructure, supporting projects ranging from preliminary concept development through final construction documentation. My role has steadily expanded from focused drafting support to integrated design coordination, engineering analysis, and leadership of complex CAD production efforts.

On the SNWA Stage II Reliability Upgrade – Interconnect Pipeline, a $40M project involving a 66-inch welded steel transmission main, I played a critical role in the detailed civil design and documentation process. I was responsible for drafting and organizing all civil details, producing mainline pipeline drawings from 60% through final design, and developing sewer relocation plans. I managed the cataloging and integration of over 100 utility potholes and coordinated directly with subcontractors during field investigations to ensure accurate conflict resolution. As the project progressed, I supported major redesign efforts for trenchless crossings, coordinated across multiple disciplines (structural, electrical, and mechanical), and implemented extensive CAD revisions to address agency comments, demonstrating my ability to manage complex design changes and contribute to successful project resubmittals.

Similarly, on the Monthill Pump Station portion of SNWA Stage II, I became actively involved in engineering design decisions. I created multiple piping and layout alternatives for yard piping and discharge meter vault placement, collaborating with the lead engineer and client to improve hydraulic efficiency and maintainability. I also developed revised finished grade surfaces from updated survey data and supported verification of existing site conditions through field visits. This project strengthened my role in multidisciplinary coordination and design refinement, moving beyond drafting into functional system optimization.

The Owens Avenue Sewer Interceptor and Storm Drain Project, a $60M undertaking, provided significant opportunity for technical growth. I developed comprehensive 2D and 3D utility networks using record drawings and GIS data, designed proposed sewer and storm drainage systems exceeding 66 inches in diameter, and generated 30% design plan and profile sheets under accelerated timelines. I coordinated implementation and tracking of more than 200 utility potholes and assisted in preparing design narratives for the PDR. Working directly with the City of Las Vegas, I supported a fast-tracked redesign effort that was accepted for future phases, reflecting my increased capability to adapt to evolving project requirements and high-level coordination.

On a Water Looping Main project for Fernley, I supported the design process from project kickoff through final review stages. I maintained consistency between design drawings, profiles, details, and specifications through all milestone submittals (30%–100%). I also conducted engineering calculations for valve sizing, restrained joint lengths, and blowoff systems, and verified the consistency of the OPCC against design intent. My involvement extended into permitting coordination, where I interpreted agency requirements and applied them to project documentation, strengthening my understanding of regulatory integration.

My responsibilities further evolved on a Collection System Improvements Project for San Mateo, where I supervised and guided intern teams in producing record drawings for multiple design packages. I reviewed conformed plans, contractor markups, RFIs, and design change memos, implementing necessary modifications while ensuring alignment with original design intent. This supervisory role demonstrated progression from individual contributor to technical mentor and quality control lead.

Additional projects such as a Diversion Sewer on Losee Road, Eastern Avenue Storm Drain, and Yuma Sewer Conversion for 300+ residential properties allowed me to broaden my design experience across varied constraints. These efforts involved evaluating alternative alignments, performing utility conflict analysis, optimizing gravity flow systems, and preparing preliminary layouts to transition septic systems to centralized sewer infrastructure. My role included balancing hydraulic performance, constructability, and cost efficiency while maintaining compliance with regulatory standards.

Field involvement through site visits, coordination with contractors, and support during construction phases enhanced my practical understanding of how design decisions impact real-world implementation. I regularly ensured that survey data, pothole information, and field observations were accurately reflected in construction documents.

Overall, my experience at Stantec reflects a clear progression from drafting-focused support to integrated engineering design, coordination across disciplines, mentorship responsibilities, and participation in high-value infrastructure projects. I have contributed at increasing levels of responsibility to the planning, design, and implementation of critical municipal systems, demonstrating both technical competency and professional growth as an emerging civil engineer.

GRACE ERICSON (22-032-33)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/19/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
4 years

Total Engineering Experience
4 years

Experience under licensed engineer
4 years

Disciplinary Action
None reported

EDUCATION

Bachelors in Civil Engineering (EAC)
University of Nevada, Reno
August 2018–May 2022

EXAMS

Fundamentals of Engineering (FE)
Nevada
August 2021

Principles and Practice of Engineering (PE)
Civil
Nevada
October 2022

LICENSES

Additional Licenses
None

GRACE ERICSON (22-032-33)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Wood Rodgers
Nevada (United States)
Assistant Engineer
May 2022—May 2026

Verified by
Brian Martinezmoles
bmartinezmoles@woodrodgers.com

Experience Summary
Full-Time
Engineering: 4 years
Post EAC degree: 4 years
Experience under licensed engineer: 4 years

TASKS

I have been responsible for a broad range of civil engineering design, analysis, and coordination tasks on transportation, utility, and site development projects. My duties included sanitary sewer main design (demand/flow development, capacity checks, alignment/layout, and tie-in evaluation) and storm drainage design supported by hydrologic and hydraulic analyses. I prepared technical documentation and reports (drainage and sewer) that summarized design criteria, assumptions, calculations, and design decisions.

For site development, I completed civil site design including utility trenching layouts, grading and drainage plans, and civil geometry for commercial sites, parking lots, plazas, and complex facility sites. For roadway projects, I developed horizontal and vertical geometry, superelevation, and intersection designs (signalized, roundabout, and stop-controlled), and delivered safety and accessibility improvements including signing/striping and ADA calculations and design. I also performed pavement design tasks such as pavement section development and jointing

In addition to office design, I supported implementation through field management by leading and coordinating crews to complete geotechnical borings, including within active airfield environments, requiring strict coordination, planning, and constructability awareness. In a design lead capacity, I coordinated and completed engineering calculations, plan/report production, specifications, quantity takeoffs, engineer's estimates, drafting oversight, and day-to-day task management, and I coordinated with multidisciplinary teams (architectural, structural, mechanical, plumbing, and electrical) to resolve utility routing, connections, and conflicts.

REPRESENTATIVE PROJECTS

Across a range of municipal, NVANG, NANG, NDOT, RTC, healthcare (Renown), university (UNR and UNLV), NANG, and airport projects (RTIA), I have developed progressive civil engineering experiences in site and roadway design, storm drainage and sanitary sewer analysis/design, utility coordination, ADA compliance, pavement design, and technical reporting. My responsibilities advanced from supporting discrete design tasks to serving as design lead, where I am accountable for calculations, design development, documentation, and interdisciplinary coordination through plan and report completion.
Parr Blvd Public Sanitary Sewer Improvements (Reno, NV – Washoe County)
I performed sanitary sewer main design and supporting technical documentation. My work included estimating sanitary demand and developing design flows, evaluating pipe capacities, establishing alignments, selecting and detailing tie-in locations, and incorporating grading and constructability constraints. I documented design assumptions, calculations, and decisions in sanitary sewer and drainage reports. This work required engineering judgment to balance hydraulic performance, site limitations, and constructability while maintaining compliance with applicable criteria.

S. Virginia St & I-580 Exit 29 Capacity & Safety Project (RTC - Reno, NV)
I served as the design lead for roadway widening improvements from Patriot Blvd to Longley Lane. I completed project grading design, utility calculations and design (including evaluation and upsizing of storm facilities where existing infrastructure was undersized), and delivered safety improvements through signing, striping, and related roadway design elements. I also completed ADA-related calculations and design. This project involved complex grading and pavement design decisions under a defined budget and geometric constraints created by widening, along with challenging tie-ins to existing businesses and adjacent improvements. I coordinated design solutions to maintain access and achieve practical transitions while meeting safety and accessibility requirements.

New Gen Central Utility Plant (RTIA, Reno, NV)
As lead design engineer, I delivered the civil site design and coordinated routing of major utility infrastructure in support of mechanical and electrical disciplines. I supported routing of hydronic piping and electrical ductbanks between the central utility

plant and new concourses, and I developed site grading, utility design (storm drain/sanitary sewer), and associated reporting and calculations (demand, capacity, and flow). This project required proactive utility conflict identification and coordination due to dense existing and proposed infrastructure. I led coordination with architecture and multiple engineering disciplines (mechanical, plumbing, electrical, structural) to ensure routing, connections, and site interfaces were feasible, coordinated, and documented.

New Gen Concourses A & B (RTIA, Reno, NV)
I led design efforts for site utilities supporting concourse development. A key challenge was maintaining operations for both existing and proposed facilities concurrently, requiring careful phasing and limited-space design solutions for drainage, sanitary, electrical, and utility connections. I coordinated utility routing around complex structural foundations and footings and worked closely with the interdisciplinary team to resolve conflicts, maintain constructability, and deliver coordinated site utility designs and documentation.

SR-227 Roundabout (NDOT – Spring Creek, NV)
I was the lead design engineer responsible for replacing an existing stop-controlled intersection (Boyd-Kennedy) with a new roundabout. I completed the roundabout layout and design, including grading solutions required by the increased footprint compared to the previous intersection. I designed safety improvements including signing and striping, and coordinated with electrical design for dynamic messaging signs, RRFBs, and street lighting. I also completed ADA improvement design to support accessible pedestrian routing and crossings consistent with the final intersection geometry.

RTIA Headquarters Building (RTIA - Reno, NV)
I served as lead design engineer for civil/site design associated with a new multi-story headquarters building. Responsibilities included site layout, grading, ADA and parking design, and utility connection design (storm drain/sanitary sewer) supported by flow and capacity calculations. I coordinated closely with architectural, mechanical, plumbing, electrical, and structural disciplines to ensure building placement, site connections, and routing were compatible, coordinated, and fully documented.

Additional Projects (Design Lead)
I also served as design lead on smaller projects including: Ground Support Shop (NVANG – Stead, NV), East Stadium Way Rehabilitation (UNR – Reno, NV), NVANG Parking Lot Rehabilitation Phase 2 (NVANG – Reno, NV), and the 2025 WCSD Pavement Rehabilitation (WCSD – Reno, NV). These projects strengthened my independent execution of design, calculations, plan production, and deliverables.

RUICHEN GUO (21-718-38)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/12/2026

Citizenship
China

SUMMARY

Engineering Experience after EAC degree
3 years, 1 month

Total Engineering Experience
3 years, 1 month

Experience under licensed engineer
3 years, 1 month

Disciplinary Action
None reported

ABET EAC

FE EXAM

PE EXAM

EDUCATION

Bachelors in Civil Engineering (EAC)
University of Tennessee, Knoxville
August 2017–May 2021

Masters in Civil Engineering
University of Tennessee, Knoxville
August 2021–December 2022

EXAMS

Fundamentals of Engineering (FE)
Tennessee PE
August 2022

Principles and Practice of Engineering (PE)
Civil
Nevada
October 2024

LICENSES

Additional Licenses
None

WORK EXPERIENCE

Civil & Environmental Consultants, Inc.
West Virginia (United States)
Staff Consultant
February 2023—April 2024

Verified by
Daniel Andres Martinez
dmartinez@cecinc.com

Experience Summary
Full-Time
Engineering: 1 year, 2 months
Post EAC degree: 1 year, 2 months
Experience under licensed engineer: 1 year, 2 months

TASKS

I was employed as a Staff Consultant, where I utilized Civil 3D to design site layouts, develop grading plans, and design access roads. I also developed plan sets for the projects.

REPRESENTATIVE PROJECTS

Project 1 – Holick Open Pit Mine Grading Plan Proposal
West Virginia, 2023
I graded open pit mine sites using Civil 3D under the guidance of the project manager. I also graded access roads to the construction sites, including horizontal & vertical alignments and assemblies to meet site constraints and construction requirements.

Project 2 – Stone Ranch Border Patrol & Maintenance Roads Construction Plan
Texas, 2023
I prepared construction plan set including cove sheet, index sheets, legend sheets, isopach sheet, plan and profile sheets using Civil 3D.

WORK EXPERIENCE

AECOM Technical Services, Inc.
Arizona (United States)
CIVIL ENGINEER
April 2024—March 2026

Verified by
Gurpreet Singh Rai
Gurpreet.Rai@aecom.com

Experience Summary
Full-Time
Engineering: 1 year, 11 months
Post EAC degree: 1 year, 11 months
Experience under licensed engineer: 1 year, 11 months

TASKS

Conducted photometric analysis for interstate and state highway illumination systems using AGi32 to optimize the placement and orientation of lighting fixtures, reducing glare and minimizing light pollution while ensuring compliance with Department of Transportation (DOT) standards.
Developed plan sets for highway illumination systems based on the DOT Highway Illumination Manual and AGi32 analysis results, as well as plan sets for highway Intelligent Transportation Systems (ITS) using OpenRoads.
Designed geometric layouts for inductive loop detectors, ramp meters, and dynamic message signs (DMS) on freeway mainlines and on-ramps in accordance with the DOT ITS Design Guide to improve freeway level of service.
Arranged and laid out trunkline and branch conduits, pull boxes, equipment cabinets, and communication node buildings to ensure power and communication pathway redundancy, while configuring closed-circuit television (CCTV) and wrong-way detection systems to provide comprehensive coverage of freeway mainlines and interchanges in line with the ADOT ITS Design Guide.
Created 3D models of proposed highway illumination and ITS facilities using OpenRoads, performed clash detection with drainage models, and coordinated with cross-disciplinary teams to resolve conflicts for smooth construction implementation.
Calculated voltage drop to determine electrical conductor specifications and collaborated with electrical engineers to optimize power distribution networks, specifying transformers, conduits, and backup power systems for reliable operation.

REPRESENTATIVE PROJECTS

I-35 Northeast Expansion (NEX):
Created 3D models of proposed highway illumination and ITS facilities using OpenRoads, performed clash detection with drainage models, and coordinated with cross-disciplinary teams to resolve conflicts for smooth construction implementation.

SR 520 Portage Bay Bridge and Roanoke Lid Project:
Developed plan sets for highway illumination systems based on the DOT Highway Illumination Manual and AGi32 analysis results, as well as plan sets for highway Intelligent Transportation Systems (ITS) using OpenRoads.
Conducted photometric analysis for interstate and state highway illumination systems using AGi32 to optimize the placement and orientation of lighting fixtures, reducing glare and minimizing light pollution while ensuring compliance with Department of Transportation (DOT) standards.
Calculated voltage drop to determine electrical conductor specifications and collaborated with electrical engineers to optimize power distribution networks, specifying transformers, conduits, and backup power systems for reliable operation.

I-10 Gila River Indian Community Project Proposal:
Designed geometric layouts for inductive loop detectors, ramp meters, and dynamic message signs (DMS) on freeway mainlines and on-ramps in accordance with the DOT ITS Design Guide to improve freeway level of service.
Arranged and laid out trunkline and branch conduits, pull boxes, equipment cabinets, and communication node buildings to ensure power and communication pathway redundancy, while configuring closed-circuit television (CCTV) and wrong-way detection systems to provide comprehensive coverage of freeway mainlines and interchanges in line with the ADOT ITS Design Guide.

Over these projects, I have progressed from focusing primarily on 3D modeling and clash detection to taking on broader system-level design responsibilities. I have developed stronger skills in illumination system design and ITS design.

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
May 2015	July 2017	Gap years between high school and college

HRISTO HRISTOV (12-434-57)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/13/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
12 years, 4 months

Total Engineering Experience
12 years, 4 months

Experience under licensed engineer
12 years, 4 months

Disciplinary Action
None reported

ABET EAC · FE EXAM · PE EXAM · 4+

EDUCATION

Bachelors in Civil Engineering (EAC)
University of Nevada, Las Vegas
January 2008–December 2010

Masters in Civil and Environmental Engineering
University of Nevada, Las Vegas
January 2011–December 2012

Masters in Business Administration
University of Nevada, Las Vegas
August 2016–May 2019

EXAMS

Fundamentals of Engineering (FE)
Kansas
July 2023

Principles and Practice of Engineering (PE)
Civil
Nevada
April 2026

LICENSES

Additional Licenses
None

HRISTO HRISTOV (12-434-57)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Wright Engineers
Nevada (United States)
EIT
August 2012—March 2015

Verified by
Daniel Arthur Bartlett
danielbartlett12@icloud.com

Experience Summary
Full-Time
Engineering: 2 years, 7 months
Post EAC degree: 2 years, 7 months
Experience under licensed engineer: 2 years, 7 months

TASKS

I provided gravity and lateral analysis for tract homes, remodels, additions, steel structures, retaining walls (concrete, masonry) and swimming pools. I prepared the structural calculations for smaller projects and I redlined the structural plans for larger projects. I also answered contractor questions over the plans and during construction in the field. I wrote memos and RFIs for fixes. I reviewed truss packets and shop drawings.

REPRESENTATIVE PROJECTS

1. (2012-2015) I designed the towers at the slides for Cowabunga Bay in Henderson. I designed the gravity and lateral analysis for the steel towers. I also redlined the structural plans and provided connection details. I modeled the structures in RISA 3D. I also provided the foundation design for which I had to work closely with the geotechnical engineer. I was responsible for the review of the steel shop drawings prior to release for fabrication.
2. (2012-2015) I designed gravity and lateral for tract homes for KB Homes. I provided redlines to the drafters for the structural plan set and coordinated with Architect, Mechanical, Electrical and Plumbing to make sure the beams and shear walls I designed do not interrupt their path. I sat in meetings with them to find out more efficient building methods. I recommended changes to the design when the project would be more efficient. I met with the contractors on site to answer their questions and provide any field fixes and RFIs. I reviewed and approved shop drawings for steel stairs, and truss books.
3. (2012-2015) Swimming pools. I did about 20 pools each week. There are no specific names or locations, I did the structural analysis for pools mostly in Nevada and some out-of-state. I also drew the plans and details.
4. (2012-2015) Retaining walls. I provided engineering plans and calculations for concrete and masonry retaining walls. There is no specific names or locations, I did the structural analysis and provided plans and details.

HRISTO HRISTOV (12-434-57)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Solar City
Nevada (United States)
Designer
April 2015—July 2016

Verified by
Hristo Hristov (Self)

Experience Summary
Full-Time
Engineering: (0%)
Experience under licensed engineer: None

TASKS

I worked as a solar panel designer which had very minimal to none engineering experience.

REPRESENTATIVE PROJECTS

I worked as a solar panel designer which had very minimal to none engineering experience.

HRISTO HRISTOV (12-434-57)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Rim Rock Engineering
Nevada (United States)
EIT
July 2016—February 2018

Verified by
Daniel Arthur Bartlett
danielbartlett12@icloud.com

Experience Summary
Full-Time
Engineering: 1 year, 7 months
Post EAC degree: 1 year, 7 months
Experience under licensed engineer: 1 year, 7 months

TASKS

I provided structural plans and calculations for tract homes and design for retaining walls (concrete, masonry and Geogrid). I designed steel shade structures. I provided gravity and lateral analysis for Tract homes and Custom homes. I also provided structural plans and calculations for remodels, additions. I met with contractors on site and resolved any issues they might had. I recommended field fixes due to site conditions and I provided memos and RFIS. I also reviewed and approved shop drawings for steel structures; stairs, shade covers. I reviewed and approved truss books. Projects I worked on are in Nevada, some out-of-state.

REPRESENTATIVE PROJECTS

1. (2016-2018) I provided plans and engineering for Geo grid retaining walls for Alpha landscapes at Lake Las Vegas, I recommended this design due to excavation restrictions. I designed the walls which ended up very efficient for the client.
2. (2016-2018) I design plans and calculations for Custom homes for owner-builders in Summerlin. I met with their contractor and provided answers to their questions. I also reviewed steel stairs shop drawings and approved truss books. I met with city and county inspectors to answer questions and provide memos to continue the project without set backs.
3. (2016-2018) For Sun West Custom Homes I provided structural plans and calculations for gravity and lateral analysis for custom homes. I met with the Architect, Mechanical, Electrical and Plumbing engineers to coordinate and answer any questions they had. I provided options for different approach so my design did not affect theirs.
4. (2016-2018) Owner of Christopher Homes personal home remodel. I met with the client and understood his idea of the remodel and provided efficient structural design and calculations for his remodel. I made suggestions on the framing so the glass corner did not have a structural post.
5. (2016-2018) For DR Horton I provided unique design for foundation called Cupolex which was very innovative and very efficient for the client. It provided
6. (2016-2018) I provided structural design for swimming pools. I worked on about 20 pools a week.

HRISTO HRISTOV (12-434-57)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

HH Consulting LLC
Nevada (United States)
President
March 2018—May 2026

Verified by
Daniel Arthur Bartlett
danielbartlett12@icloud.com

Experience Summary
Full-Time
Engineering: 8 years, 2 months
Post EAC degree: 8 years, 2 months
Experience under licensed engineer: 8 years, 2 months

TASKS

I provided structural plans and calculations, gravity and lateral analysis of custom homes, swimming pools, retaining walls, shade structures with wood, steel and aluminum. I meet with clients and understand their needs so I can provide the most efficient design for them. I draw the structural plans and I prepare the structural packet for permit submittal. I coordinate with building officials to answer questions and provide revisions so the project can move forward.

REPRESENTATIVE PROJECTS

1. (2018) Prestige Pools, Summit Lot 161. I provided structural plans and engineering for swimming pool. I also provided structural details and I met Prestige pools on site to answer their questions and I also met with the inspector to answer any questions and follow up with memo, responses and RFIs.
2. (2019) Prestige Pools, Millcreek Summit Lot 216. I provided structural plans and engineering for swimming pool. I also provided structural details and I met Prestige pools on site to answer their questions and I also met with the inspector to answer any questions and follow up with memo, responses and RFIs.
3.(2020) Envy construction, 9446 W Lone Mountain. I designed a new header for a new sliding door 20' long. I analyzed gravity and lateral to ensure the new slider can be installed. I visited the site to coordinate with the contractor my plans match the on site conditions.
4. (2021). Blue Heron. Smith residence. I provided structural plans and calculations for a custom home. I used TJI floor and roof framing members. I analyzed gravity and lateral for this two story home. I coordinated with the Architect and attended meetings to ensure that the disciplines did not affect each other with my structural members that I called out.
5. (2022) P&L Fencing. Switch property in Reno. Areas 3 and 8. I provided engineering for steel stairs. I also coordinated with the engineer of record to ensure that my design is consistent with Switch engineer of record design. I designed gravity and lateral for the stairs.
6. (2023-2024) Owner Builder, Mark Clark. I provide structural design lateral and gravity for number of custom owner builders, the latest is at 9 Stonecutter, Henderson. I coordinated with the Architect and subs to ensure the project moved forward with no interruptions. I met on site with inspectors to resolve post anchor issues during construction.
7. (2025) AE Construction. 22 Brays Island. I provided structural plans and engineering, gravity and lateral analysis for a remodel where the client wanted an interior load bearing and shear wall removed. I coordinated with the contractor during construction to provide answers to their questions and comments.
8. (2025) Beat the Heat, 2824 Evening Rock. I designed 4K Aluminum patio cover. I provided gravity and lateral engineering.
9. (2026) AE Construction, 3 Isleworth. I provided structural plans and engineering, gravity and lateral analysis for a remodel where the client wanted an interior load bearing and shear wall removed for a large sliding door. I coordinated with the contractor during construction to provide answers to their questions and comments.

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
May 1998	December 2007	Those years I was in School.MBA, University of Nevada,Dec ‘18 Master in Structural Engineering, University of Nevada,Dec ‘12 Bachelor of Science, Civil Engineering, University of Nevada, Dec ‘10 Associate in Science, College of Southern Nevada, Dec ‘08

JEFF IDDINGS (13-402-96)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/22/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
8 years, 7 months

Total Engineering Experience
8 years, 7 months

Experience under licensed engineer
8 years, 7 months

Other Experience

Disciplinary Action
None reported

EDUCATION

Bachelors in Mechanical Engineering (EAC)
University of Nevada, Reno
August 2008–May 2012

EXAMS

Fundamentals of Engineering (FE)
Nevada
April 2012

Principles and Practice of Engineering (PE)
Civil
Nevada
September 2025

LICENSES

Additional Licenses
None

JEFF IDDINGS (13-402-96)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

The Venetian Resort
Nevada (United States)
Bar Assistant
March 2013—September 2017

Verified by

Experience Summary
Part-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

JEFF IDDINGS (13-402-96)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Sigma Engineering Solutions, Inc.
Nevada (United States)
Project Manager
September 2017—April 2026

Verified by
Joseph Emil Farre
jfarre@sigmanv.com

Experience Summary
Full-Time
Engineering: 8 years, 7 months
Post EAC degree: 8 years, 7 months
Experience under licensed engineer: 8 years, 7 months

TASKS

• Performed finite element structural analysis using STAAD.Pro to evaluate structural capacity and stability of building and bridge structures to safely support demolition equipment under compromised loading conditions.

• Performed civil and structural engineering services for demolition and bridge design projects under the supervision of a licensed Professional Engineer. Responsibilities included analysis, design, and evaluation of structural systems in accordance with applicable codes and standards. Developed structural calculations for gravity, wind, and seismic loading demands and verified load paths and member capacities. Utilized applicable building codes and standards (IBC, ASCE, AISC, ACI, and AASHTO) for all structural analysis and design.

• Performed finite element structural analysis using SolidWorks to evaluate maximum stress demands and overall stability of large chimney and stack structures that have been modified at the base under dead and wind loading conditions.

• Conducted site visits to observe and document existing structural conditions and performed field verifications to obtain critical structural information for use in evaluating structural strength. Coordinated with contractors to develop engineering solutions to complex field conditions.

• Prepared structural calculations and technical reports to support construction and demolition permit submittals.

• Designed temporary shoring systems and layouts to maintain structural stability during demolition and construction activities.

• Coordinated with crane contractors to evaluate lifting operations for structural and mechanical components of large boiler structures. Determined pick weights, calculated center of gravity, and analyzed the stability of the structure during lifting and removal sequences to verify that all operations remained within crane capacity limits and maintained structural stability throughout the removal process.

• Led and supervised a team of engineers to complete assigned engineering tasks and meet submittal deadlines throughout the project lifecycle.

REPRESENTATIVE PROJECTS

Project: DuPont Facility Demolition
Scope: Demolition of five (5) Boiler Unit Structures.
Location: Nashville, TN
Dates of Involvement: September 2017 – August 2018

I was a part of a team that developed the demolition plans for boiler units #20-#24. My role was to analyze the steel structures during and after modifications have been completed. The modifications included torch cutting near the bottom of the columns and removal of column bracing. I also worked on providing cut details and cut sequence in the demolition plans using AutoCAD to assist the Contractor in understanding every step of the boiler felling operations.

Project: SR-99 Seattle Alaskan Viaduct Demolition
Scope: Demolition of the SR-99 Seattle Alaskan Way Viaduct
Location: Seattle, WA
Dates of Involvement: August 2018 – September 2019

I performed structural analysis of the existing viaduct to determine the maximum demolition equipment that could operate on the Viaduct during demolition operations. The analysis was conducted using STAAD.Pro, with an emphasis on identifying critical loading conditions as the structure support conditions changed throughout the demolition operation. I also produced a detailed 3D model of the Viaduct utilizing SolidWorks to assist the Contractors in understanding all stages of the demolition sequence. I also provided on-site engineering support during demolition operations, evaluating field conditions and responding to Contractor inquiries in real time to ensure the work remained consistent with design assumptions, structural stability requirements, and project schedule.

Project: LADWP Haynes Power Plant Decommissioning
Scope: Demolition of the Unit #3-#6 Boiler Structures
Location: Long Beach, CA
Dates of Involvement: September 2019 – May 2021

I worked on the development of the demolition sequence for the boiler units, including the associated steel structure, turbine deck, steel stack, and gantry crane. My role was to work with the Contractor to evaluate staged removal procedures and determine safe and feasible pick weights. I also performed structural analysis of partially dismantled components to verify that the remaining structure maintained adequate capacity to support dead loads during each stage of the demolition process. This included assessing load paths and ensuring structural stability as elements were removed.

Project: Fort Calhoun Nuclear Power Plant Demolition
Scope: Multiple structure demolition around the nuclear containment structure.
Location: Blair, NE
Dates of Involvement: May 2021 – January 2023

I performed structural analysis of the subgrade walls for multiple structures to evaluate the maximum allowable demolition equipment that could operate adjacent to the structures without compromising the structural support system. I modeled the structures in STAAD.Pro and applied lateral surcharge and soil loads to assess the effects of heavy demolition equipment working adjacent to the subgrade walls. I worked closely with the Contractor to update models as floors were sequentially removed to verify that the structures maintained stability throughout the demolition process.

Project: IAH Terminal B Demolition
Scope: Removal of two (2) pedestrian bridge structures over active traffic.
Location: Houston, TX
Dates of Involvement: January 2023 – September 2024

I developed a complex temporary vertical shoring system to support the IAH pedestrian bridges spanning active traffic lanes. which were required to remain open throughout demolition operations. The shoring system was designed to support bridge loads of approximately 7,000 lbs per linear foot over a 200-ft span. I developed detailed calculation spreadsheets for each demolition step to account for changing loading conditions as portions of the bridge were removed. The shoring system consisted of multiple levels of steel beams and heavy duty tower legs. The steel beams were designed to transfer the load equally to all four tower legs.

Project: Lake Havasu 2nd Brdige Design
Scope: Design of a new 3-span continuous steel girder Bridge.
Location: Lake Havasu City, AZ
Dates of Involvement: September 2024 – Present

I am working with a team to design a 3-span continuous steel girder bridge. I performed the structural analysis of the steel girders in accordance with AASHTO LRFD Bridge Design Specifications. This involved developing and evaluating multiple analytical models to optimize girder sizing, improving structural efficiency while reducing overall project costs. In addition, I designed the reinforced concrete bridge deck in compliance with AASHTO requirements. I contributed to the development of the bridge geometry using Civil3D, evaluating alignment alternatives to determine the most efficient layout while satisfying clearance constraints.

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
June 2012	February 2013	I was unemployed

PARAG KULKARNI (24-562-82)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/14/2026

Citizenship
India

SUMMARY

Engineering Experience after EAC degree

Total Engineering Experience
12 years, 2 months

Experience under licensed engineer
3 years

Disciplinary Action
None reported

FE EXAM

PE EXAM

4+

EDUCATION

Non-degree
Technical Exams Board - Technical Diploma in Civil Engineering
July 1990–August 1993

Bachelors in Construction Engineering
University of Mumbai
July 1993–May 1996

EXAMS

Fundamentals of Engineering (FE)
California
April 2025

Principles and Practice of Engineering (PE)
Civil
California
October 2025

LICENSES

Additional Licenses
None

PARAG KULKARNI (24-562-82)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Self Employed
Maharashtra (India)
Civil Repairs Contractor
June 1996—July 1999

Verified by
Parag Kulkarni (Self)

Experience Summary
Full-Time
Engineering: (0%)
Experience under licensed engineer: None

TASKS

ccc

REPRESENTATIVE PROJECTS

ccc

WORK EXPERIENCE

Department of Telecommunications, India
Maharashtra (India)
Junior Engineer (Civil)
August 1999—November 2005

Verified by
Parag Kulkarni (Self)

Experience Summary
Full-Time
Engineering: (0%)
Experience under licensed engineer: None

TASKS

I worked as Junior Engineer (Civil) under the Department of Telecommunication, responsible for planning, execution, and supervision of telecom infrastructure works across assigned divisions. Key duties included:

I Prepared detailed estimates, and tender documents for public buildings in accordance with CPWD/State PWD Schedule of Rates and relevant IS Codes.

I supervised day-to-day construction activities at project sites, ensuring works were executed as per approved designs, technical specifications, and safety norms.

I conducted field inspections and quality checks on materials including cement, steel, aggregates, and bricks; collected and dispatched samples for laboratory testing to ensure compliance with BIS standards.

I maintained site measurement books (MB), recorded quantities of work done, and prepared running account (RA) bills and final bills for contractors.

I coordinated with revenue departments, utility agencies (electricity, water supply, telecom), and local bodies for land acquisition clearances and underground utility diversion prior to construction.

I monitored contractor performance against approved work schedules; flagged deviations and initiated corrective actions in consultation with the Assistant Engineer.

I prepared monthly progress reports, financial statements for submission to divisional and circle offices.

I assisted in conducting joint surveys and preparing detailed project reports (DPRs) for new building projects.

I responded to complaints and building conditions, drainage issues, water supply issues, and building maintenance, and initiated prompt remediation works.

I ensured proper upkeep of government buildings within the subdivision, including scheduling and supervising annual repair and maintenance works within sanctioned budgets.
Worked under the direct supervision of the Assistant Engineer and reported periodically to the Executive Engineer at the divisional level.

REPRESENTATIVE PROJECTS

1. Construction of Staff Quarters Complex, Borivali, Mumbai (Aug 1999–Dec 2002)
I supervised the construction of a new residential staff quarters complex comprising 4 number of 7 storeyed buildings with dwelling units of Type II categories for departmental employees and their families. I monitored construction of four buildings of RCC framed structures with RCC slab roofing, internal plaster and flooring, external development works including approach roads, compound wall, overhead water tank, underground sump, and individual septic tanks. I was responsible for setting out, supervising all stages of construction, conducting quality checks on materials, and maintaining site measurement books. I prepared and certified running account bills at each stage of work. I coordinated with electrical and plumbing sub-agencies to ensure timely integration of internal services.

---

2. Construction of Staff Community Center— Borivali, Mumbai (2001–2003)
I supervised in the construction of a new telecom exchange building to house switching and transmission equipment for the

expanding local telephone network. The structure was a single-storey RCC framed building with specialised requirements including vibration-free flooring, false ceiling, precision cable trenches, earthing pits, and a dedicated diesel generator room with acoustic enclosure. I supervised concrete works for foundations, columns, beams, and slabs, ensuring strict adherence to structural drawings and specifications. I coordinated closely with the telecom equipment installation team to align civil finishing works with equipment layout requirements. I verified contractor measurements and prepared bills for all civil works.

---

3. Annual Repair and Maintenance of Staff Quarters — [Jogeshwari, Mumbai (March 2002–Nov 2005)
I supervised out annual and special repair works across a large stock of departmental residential buildings comprising over 3 staff quarter buildings of various types within the subdivision. I conducted condition surveys of all units at the commencement of each financial year, prepared priority-wise maintenance schedules, and estimated costs within the sanctioned budget. The Works executed included roof waterproofing treatment, external and internal repainting, replacement of damaged flooring tiles, repair of doors and window frames, repointing of external masonry, and renovation of bathrooms and kitchen platforms. I supervised works through approved contractors, maintained measurement books, and processed bills. Ensured that occupied quarters were maintained to a habitable standard and that vacant units were made ready for fresh allotment. Addressed urgent repair complaints from occupants within stipulated response timeframes and maintained a complaint register for record and audit purposes.

WORK EXPERIENCE

CMC Cary Engineering Inc
South Carolina (United States)
Design Engineer
May 2006—October 2006

Verified by
Brian Cunard Norton
bnorton@sse-eng.com

Experience Summary
Full-Time
Engineering: 5 months
Experience under licensed engineer: 5 months

TASKS

Performed structural analysis and design of reinforced concrete buildings in accordance with ACI 318 and ASCE 7. Calculated gravity, wind, and seismic loads and developed load combinations for strength and serviceability design.

Developed 3D analytical models using ETABS for global structural analysis and lateral force evaluation. Performed foundation analysis and design using SAFE.

Designed reinforced concrete elements including beams, columns, slabs, shear walls, and foundations. Performed axial-flexural interaction checks, drift evaluations, and stability checks.

Prepared structural calculation packages and construction drawings, including framing plans, foundation plans, reinforcement detailing, and general notes.

Coordinated structural systems with architectural and MEP disciplines and reviewed contractor shop drawings for compliance with design intent.

All work was performed under the supervision of Brian Norton, PE.

REPRESENTATIVE PROJECTS

The Peacock Hotel and Spa – Greenville, SC
8-Story Reinforced Concrete Mixed-Use Building
May 2006 – October 2006

Performed structural analysis and design of a 8-story reinforced concrete building. Calculated dead, live, roof, wind, and seismic loads per ASCE 7 and applied governing load combinations.

Developed ETABS 3D model to evaluate gravity and lateral load behavior. Designed beams (flexure, shear, torsion), columns (axial-flexural interaction), one-way and two-way slabs (shear, flexure), shear walls (axial-flexural interaction) forming the lateral force-resisting system, and shallow foundations (one-way shear, two-way shear and flexure).

Performed drift checks and verified strength and serviceability compliance. Prepared structural drawings and coordinated framing layouts with architectural and MEP requirements. Reviewed shop drawings for conformance with design intent.

WORK EXPERIENCE

International Design and Engineering Solutions
Maharashtra (India)
Design Engineer
January 2008—November 2008

Verified by
Mohan Jambhulkar
mohan@target-aecglobal.com

Experience Summary
Full-Time
Engineering: 10 months
Experience under licensed engineer: 10 months

TASKS

Tasks and Duties
Design Engineer

I determined dead, live, wind, and seismic loads per ASCE 7 and developed structural load paths transferring loads from roof and floor diaphragm through shear walls and vertical elements to the foundation system.

I designed wood framing systems including floor joists, beams, headers, bearing walls, and shear walls using NDS provisions for bending, shear, and axial forces. Evaluated member capacities and optimized framing layouts to ensure efficient load transfer and constructability.

I designed hold-down anchorage systems to resist overturning forces in wood shear walls by calculating tension forces at boundary elements and specifying appropriate hold-downs, threaded rods, anchor bolts, and embedment lengths into reinforced concrete foundations. Used engineering judgment in selecting the appropriate connectors.

I performed engineering calculations for wood diaphragms and shear walls to resist lateral loads, overturning forces, hold-down forces, and anchorage requirements. I evaluated diaphragm stiffness and load distribution to vertical lateral-force-resisting elements.

I designed reinforced concrete foundations, spread footings, grade beams, and slabs using strength design provisions of ACI 318. I evaluated soil bearing pressures, footing dimensions, reinforcement requirements, and designed anchor bolts for load transfer between the wood superstructure and concrete foundation. I specified Special inspections and testing on drawings notes.

I performed structural design of reinforced concrete retaining walls considering lateral earth pressures from soil, groundwater, and surcharge loads. I Checked wall stability for flexure, shear, overturning, sliding, and bearing capacity.

I prepared structural calculation documentations, framing plans, and structural details for permit submittals.

I reviewed shop drawings and contractor RFIs during construction to verify that field installations complied with structural design intent, approved drawings, and applicable codes.

I performed engineering work under the supervision of Mohan Jambhulkar, PE with increasing responsibility of preparation of structural drawing, and compiling of structural documentation.

REPRESENTATIVE PROJECTS

1. Project: Design of a private residential condominium, Mesa, Arizona

Role: Design Engineer
Structure Type: Light Frame Wood Construction,
Client: iPlan LLC
Footprint : 3,000 sq. ft.
Regulation Code: IBC
Jan 2008 to April 2008

I performed structural analysis and design for multi-story wood-framed residential condominium building. I proposed a structural system that consisted of wood floor and roof framing supported by wood shear walls, transferring loads to reinforced concrete

foundations. I calculated gravity, wind, and seismic loads in accordance with the International Building Code (IBC) and referenced standards including ASCE 7 and the National Design Specification (NDS) for Wood Construction.

I evaluated architectural layouts and identified load-bearing walls, shear walls, and diaphragms to establish a continuous load path from roof to foundation. I calculated dead, live, roof, and construction loads and its distribution to beams, joists, and walls. I performed lateral load analysis for wind and seismic forces and evaluated their distribution through floor and roof diaphragms to vertical lateral-force-resisting systems.

I performed calculations for wood diaphragms and shear walls, including unit shear forces, shear wall capacities, and sheathing nailing patterns. I designed hold-down systems to resist overturning and uplift forces. Evaluated diaphragm stiffness and load distribution to ensure proper force transfer to shear walls.

I designed and detailed structural connections ensuring load transfer between framing members. I determined connector forces using ASCE 7 load combinations and selected joist hangers, hold-downs, straps, and anchor systems (Simpson Strong-Tie). I verified capacities using manufacturer data and ICC-ES reports, ensuring compliance with IBC and NDS provisions.

I performed fastener designs (nail size, spacing, edge distance, penetration depth) for shear and withdrawal resistance. I evaluated wood species and grade properties per NDS design values. I designed anchorage systems including anchor bolts, threaded rods, and embedment lengths transferring loads into reinforced concrete foundations.

I prepared structural drawings and details including framing plans, shear wall layouts, connection details, and foundation plans. I coordinated structural design with architectural and MEP systems and ensured constructability.

2. Project: Single-Family Private Farmhouse Residence – Gilbert, Arizona

Structure Type: Light Frame Wood Construction,
Client: iPlan LLC
Footprint : 4,000 sq. ft.
Regulation Code: IBC
March 2008 to Nov 2008

I performed structural analysis and design for a wood-framed single-family residence including roof framing, floor framing, load-bearing walls, and foundations. I developed the structural framing scheme and load path from roof diaphragms through walls to foundation.

I calculated dead, live, roof live, and wind loads in accordance with ASCE 7 and IBC. I designed wood members including rafters, beams, and headers using NDS provisions, checking bending, shear, and deflection criteria. I verified serviceability limits for floor and roof deflections.

I designed shear walls and diaphragms for lateral resistance due to wind loads. I Determined shear wall capacities and nailing schedules. I calculated uplift and overturning forces and I designed the hold-down systems against uplift.

I designed structural connections using Simpson Strong-Tie connectors, including joist hangers, straps, hold-downs, and post bases. I verified capacities using manufacturer data and ICC-ES reports.

I prepared structural calculations set and construction drawings, including framing plans, connection details, and foundation layouts. I coordinated with architectural features such as large openings, vaulted ceilings, and roof geometry.

3. Project: Residential Condominium Building – Mesa, Arizona

Structure type: Light Frame Wood Construction
Client: iPlan LLC
Footprint : 4,500 sq. ft.,
Regulation Code: IBC
July 2008 to Nov 2008

I prepared structural design calculations and framing layouts for multi-story wood-framed condominium buildings including diaphragm and shear wall systems for lateral load resistance. Developed an efficient load path and structural system for gravity and lateral forces.

I designed shear walls for wind and seismic loads. I calculated overturning forces and designed hold-down systems.

I designed reinforced concrete foundations, including spread footings, stem walls, and retaining walls, based on geotechnical allowable soil bearing capacity. I checked bearing, sliding, and overturning stability. I evaluated lateral earth pressures and I

designed and detailed reinforcement accordingly.

I checked deflection and serviceability requirements for timber and glulam members as per NDS and IBC criteria.

I prepared structural drawings and I coordinated with project team members to ensure consistency with architectural intent and construction requirements. I reviewed calculations and details for code compliance and constructability.

WORK EXPERIENCE

Department of Telecommunication
Maharashtra (India)
Junior Telecom Officer (Civil)
December 2008—July 2013

Verified by
Parag Kulkarni (Self)

Experience Summary
Full-Time
Engineering: (0%)
Experience under licensed engineer: None

TASKS

I worked as Junior Telecom Office (Civil) in the Department of Telecommunications, handling planning, execution, supervision, and maintenance of civil infrastructure and government building works within assigned jurisdictions. My responsibilities included preparation of detailed estimates, technical specifications, tender documents, and quantity calculations in accordance with CPWD/PWD procedures, Schedule of Rates, and applicable Indian and CPWD Standards.

I supervised construction and repair activities at site level, ensuring compliance with approved drawings, quality standards, and safety requirements. I conducted inspections of construction materials such as cement, reinforcement steel, aggregates, bricks, and concrete works, including coordination of laboratory testing to verify conformity with BIS specifications.

I maintained Measurement Books (MB), verified executed quantities, and prepared contractor running bills and final accounts. Coordinated with utility departments and local authorities for issues related to land clearances, underground services, drainage, water supply, and electrical connections associated with project execution.

I monitored project schedules, contractor progress, and workmanship quality, and reported deviations or delays to senior officers for corrective action. I assisted in preparation of detailed project reports, site surveys, and technical documentation for new construction and maintenance works.

I handled complaints related to building deterioration, seepage, drainage failures, water supply systems, and structural maintenance, and arranged necessary repair measures. Also supervised annual maintenance and upkeep of government buildings, ensuring works were completed within approved budgets and departmental guidelines. I coordinated with finance deparrtment for Financial approval of estimates.

Reported directly to the Assistant Engineer and periodically submitted technical and progress updates to the Executive Engineer at divisional level.

REPRESENTATIVE PROJECTS

1. Construction of Telecom Administrative Building – Malad, Mumbai (Dec 2008 – Dec 2010)

I participated in the construction of a new departmental telecom administrative and technical service building located in Malad, Mumbai. The project involved execution of reinforced concrete framed structure works, masonry construction, internal finishing, waterproofing, drainage systems, and associated site development works for telecom operations and office facilities. My responsibilities included preparation of quantity estimates, verification of contractor bills, and supervision of day-to-day construction activities.

I supervised excavation, foundation works, RCC concreting, brick masonry, plastering, flooring, painting, plumbing, and external development works while ensuring compliance with CPWD specifications, approved drawings, and relevant IS Codes. I conducted quality inspections for cement, reinforcement steel, aggregates, concrete works, waterproofing materials, and finishing items.

I maintained measurement books and monitored contractor progress against approved construction schedules. I assisted senior engineers during technical inspections, preparation of progress reports, and coordination meetings. I also coordinated with telecom and utility departments to ensure timely provision of electrical, water supply, drainage, and communication infrastructure required for commissioning of the building.

2. Construction of Telecom Facility Building – Irla, Mumbai (Dec 2010 – Nov 2012)

I participated in construction and infrastructure development works for a new telecom facility building at Irla, Mumbai. The project included construction of RCC framed structure, internal and external finishing works, plumbing systems, waterproofing treatment, utility areas, and associated civil infrastructure required for telecom operations.

I prepared estimates and assisted in tender-related documentation for civil construction packages. I supervised contractors during execution of excavation, RCC works, masonry, flooring, waterproofing, plumbing installations, internal and external painting, and drainage works. I inspected workmanship and verified material quality to ensure compliance with approved specifications, CPWD procedures, and IS standards.

I coordinated with electrical and telecom departments to facilitate installation of telecom equipment and utility services during various stages of construction. I recorded site measurements, checked executed quantities for contractor billing, and prepared periodic progress reports for divisional offices. I also assisted in monitoring construction schedules, resolving site coordination issues, and ensuring timely completion of works in accordance with departmental requirements.

3. Underground Telecom Duct Repair and Maintenance Contract – Navi Mumbai Region (Nov 2012 – Nov 2014)

I participated in supervision and administration of underground telecom duct repair and maintenance works across various locations in the Navi Mumbai region. The contract primarily involved maintenance of telecom utility ducts, chambers, cable trenches, and associated civil infrastructure supporting underground communication networks.
My responsibilities included conducting field inspections to identify damaged ducts, collapsed chambers, water ingress issues, pavement restoration requirements, and utility conflicts. I supervised excavation, duct replacement, chamber reconstruction, backfilling, and reinstatement of roads and footpaths in accordance with municipal and departmental requirements. I also coordinated with local authorities and utility agencies for excavation permissions and traffic management during repair operations.

I monitored contractor performance, ensured safe work practices, and verified execution quality for concrete works, masonry chambers, HDPE/PVC ducts, and reinstatement activities. I prepared site records, maintained measurement entries, and assisted in preparation of contractor billing documentation. I also responded to emergency breakdown situations affecting telecom services due to duct failures, flooding, or third-party utility damage, ensuring timely restoration of infrastructure and continuity of communication services.

WORK EXPERIENCE

Shrikhande Consultants Pvt. Ltd.
Maharashtra (India)
Design Engineer
August 2013—November 2014

Verified by
Parag Kulkarni (Self)

Experience Summary
Full-Time
Engineering: (0%)
Experience under licensed engineer: None

TASKS

I worked as a Structural Design Engineer, I performed the analysis and design of reinforced concrete buildings for institutional and commercial projects. I executed structural modeling using ETABS, I prepared design calculations, I coordinated with architects and MEP consultants, and for development of structural drawings for execution.

I developed 3D analytical models of multistory buildings using ETABS for gravity, wind, and seismic load analysis.

I performed structural analysis and design of reinforced concrete frames, slabs, beams, columns, shear walls, staircases, and foundations in accordance with Indian Standards including IS 456, IS 875, and IS 1893.

I participated in the structural design of institutional and residential buildings

I reviewed architectural drawings and coordinated structural layouts to ensure compatibility with functional and construction requirements.

I prepared structural calculations, load take-offs, member sizing studies, and structural design reports.

I optimized framing systems to improve structural efficiency and economy while maintaining code compliance.

I supervised drafting teams for preparation of RCC detailing drawings, beam-column schedules, slab reinforcement layouts, and foundation plans.

I conducted checks for reinforcement detailing, ductile detailing provisions, load paths, deflection control, and serviceability criteria.

I participated in design review meetings with senior engineers, project management teams, and consultants.

I reviewed shop drawings and responded to construction-related technical queries during project execution.

I assisted in quantity estimation of concrete and reinforcement for budgeting and tender purposes.

I ensured compliance with applicable building codes, seismic requirements, and engineering standards for institutional structures.

I maintained project documentation including calculations, revisions, markups, and design coordination records.

REPRESENTATIVE PROJECTS

Name of project: IIT Gandhinagar Educational Complex
Client: Indian Institute of Technology Gandhinagar
Role: Structural Design Engineer
Project Location: Gandhinagar, Gujarat, India
Governing Codes : IS 456 (similar to ACI 318), IS 875, IS 1893 (Similar to ASCE -7)

I participated in the structural analysis and design of buildings forming part of the IIT Gandhinagar educational campus development project. The project included academic blocks, lecture halls, faculty facilities, utility structures, and associated institutional infrastructure designed as reinforced concrete framed structures.

I developed analytical models using ETABS for gravity and lateral load analysis considering seismic and wind effects as per Indian Standards. I performed member design for RCC beams, slabs, columns, shear walls, and staircases, including sizing studies and optimization of structural framing systems.

I reviewed architectural layouts and coordinated with architects and MEP consultants to address structural openings, service openings, floor loading requirements, and constructability concerns. I assisted in preparation of foundation concepts based on geotechnical recommendations and load transfer requirements.

I prepared structural calculations, reinforcement design inputs, and design documentation for review by Engineer of record. I coordinated with CAD drafting teams for preparation of structural framing drawings, reinforcement detailing, framing plans, and schedules. I participated in technical discussions related to seismic ductile detailing requirements.

I ensured compliance with IS 456, IS 875, IS 1893, and IS 13920 provisions applicable to institutional structures located in seismic regions. My engineering work focused on structural safety, serviceability, economy, and compatibility with the architectural vision of the campus development.

WORK EXPERIENCE

Mahimtura Consultants Pvt. Ltd.
Maharashtra (India)
Senior Engineer
December 2014—February 2024

Verified by
Dhruva Sailesh Mahimtura
info@mahimtura.net

Experience Summary
Full-Time
Engineering: 9 years, 2 months
Experience under licensed engineer: None

TASKS

Role 1: Structural Design Engineer (Jan 2014 till Jan 2020)

I performed structural analysis and design of reinforced concrete structures per Indian Standards (IS 456, IS 13920, IS 875, IS 1893), comparable to ACI 318 and ASCE 7. Designed systems to resist gravity, wind, and seismic loads, ensuring strength and serviceability compliance.

I evaluated gravity loads, seismic parameters, load combinations, ductility requirements, and material specifications, ensuring alignment with applicable codes. I evaluated alternative framing options and developed efficient structural framing systems (beams, slabs, columns, shear walls, retaining walls, foundations) ensuring load paths, stability, and serviceability.

I developed reinforcement detailing such as(lap lengths, anchorage, stirrups, minimum reinforcement, bar spacing, and concrete cover as per exposure and fire rating). I performed design calculations for all major RC elements, including flexural, shear, and serviceability checks.

I developed computer models using ETABS and SAFE and ana;yzed the results. I validated computer results through hand calculations and spreadsheets.

Role 2: Senior Structural Design Engineer (Feb 2020 – Jan 2024)

(I performed all the Level 1 duties plus the following)

I interpreted Non Destructive Test results (Ultrasonic Pulse Velocity, Schmidt Rebound Hammer, Half-Cell Potential, Core Compression Tests) for developing strengthening solutions such as Reinforced Concrete jacketing to columns and steel plate addition to Reinforced Concrete beams.

I designed underground water tanks, I evaluated hydrostatic, uplift, soil, loads. I ensured crack width control and serviceability checks for water-retaining structures and designed reinforcement detailing.

I performed structural analysis and design under the direct supervision Dhruva Mahimtura, a Licensed Professional Engineer in India, registered with the local engineering authority.

The supervising engineer was responsible for reviewing, approving, and sealing design documents. Their role is functionally equivalent to a U.S. Professional Engineer (PE), ensuring that all engineering work complied with applicable codes and professional standards.

REPRESENTATIVE PROJECTS

* All the projects are done under supervision of Licenced EOR of Record as per local jurisdiction (Equivalent to PE)

Project 1: Residential Development at Dahisar, Mumbai, India
Role: Structural Design Engineer
Structure Type: RCC Framed with Shear Walls
Client: Man Vastucon LLP
Area: 450,000 sq ft
Duration: Jan 2014 – Apr 2017
Regulation Code: Bureau of Indian Standards (BIS)

I performed structural analysis and design for 4 Number of G+28 floor reinforced concrete residential use buildings using IS 456 and IS 13920 for reinforced concrete design (comparable to ACI 318), IS 875 for gravity and wind loads, and IS 1893 for seismic design (comparable to ASCE 7). I developed the Design Basis Report defining design loads, I selected seismic and wind parameters, response reduction factors, strength and service load combinations, material specifications, concrete cover and fire rating.

Project 2: Residential Development at Bhiwandi, India
Role: Structural Design Engineer
Structure Type: RC Frame with Shear Walls
Client: Adrika Developers Pvt. Ltd.
Area: 220,000 sq ft
Duration: Feb 2017 – Apr 2020
Regulation Code: Bureau of Indian Standards (BIS)

I developed the structural framing system for 7 number of G+22 floor consisting of beams, slabs, columns, and shear walls. I decided a shear walls configuration for controlling accidental torsion as per code permitted limit. I created analytical models using ETABS, and interpreted computer results to determine design forces. I checked structure was compliant to drift limits. I designed reinforced concrete beams and slabs for flexure and shear and verified deflection requirements. I ensured compliance to IS 456 and IS 13920 for reinforced concrete design (comparable to ACI 318), I ensured loadings conformity to IS 875 for gravity and wind loads, and IS 1893 for seismic (comparable to ASCE 7).

Project 3: Residential Bungalow at Alibaug, India
Role: Senior Structural Design Engineer
Structure Type: RC Moment Frame
Client: Hiten Sethi and Associates
Area: 16,500 sq ft
Duration: Feb 2020 – Jan 2021
Regulation Code: Bureau of Indian Standards (BIS)

I determined the minimum thickness of RC slabs, beams for deflection control. I reviewed geotechnical report for the allowable bearing capacity. I designed isolated footings for flexure and one way and two way (punching) shear. I ensured minimum reinforcement in footing and cover as per soil exposure. I ensured the actual soil pressure did not exceed the allowable. I checked for uplift in all the footings. I ensured minimum thickness of footings. I ensured conformity as per IS-456 (Comparable to ACI 318) for the reinforced concrete design and details. I resolved contractors RFIs. I supervised team of two design engineers this project onwards.

Project 4: Targhar Railway Station at Navi Mumbai, India
Role: Senior Structural Design Engineer
Structure Type: RC Moment Frame
Client: Hiten Sethi and Associates
Area: 250,000 sq ft
Duration: Jan 2020 – Apr 2022
Regulation Code: Bureau of Indian Standards (BIS)

I performed structural analysis and design of G+2 Reinforced concrete moment frame. I checked the long span beams (upto 35 feet) and waffle slabs for short term and long term deflection. I checked for cambering requirement. I reviewed contractors form work drawings for construction and concrete load safety and correct form sizing. On the drawings I ensured proper lap splicing, development lengths and checked for reinforcement congestion at beam column junctions. I checked for thermal effect on the roof level by including it in the applicable load combinations. I provided stirrups in beams and columns as per ductility requirement. I reviewed steel tensile test and concrete compression test results. I coordinated with contractor for resolving RFIs. I ensured compliance IS 875 and IS 1893 for (comparable to ASCE7) and IS 456 (comparable to ACI 318).

Project 5: Cluster of 9 Multi-Story Residential Buildings at Navi Mumbai, India
Role: Senior Structural Design Engineer
Structure Type: RC Frame with Shear Walls
Client: M/s Hafeez Contractor
Area: 500,000 sq ft
Duration: Jan 2022 – Feb 2024 (was ongoing)
Regulation Code: Bureau of Indian Standards (BIS)

I checked the building design paramters and elemental designs. I designed underground tanks for hydrostatic and soil loads and vehicular surcharge and live loads. I checked the underground tanks for buoyancy. Resolved RFIs and did field inspection to ensure compliance with the design drawings.

WORK EXPERIENCE

Concrete Science Inc
California (United States)
Senior Engineer
August 2024—May 2026

Verified by
Ashok Madhav Kakade
ashokkakade@concretescience.com

Experience Summary
Full-Time
Engineering: 1 year, 9 months
Experience under licensed engineer: 1 year, 9 months

TASKS

Performed structural analysis and design of slabs-on-ground in accordance with ACI 318, ACI 360R, ASCE 7, and CBC, including determination of subgrade modulus, evaluation of load combinations (dead, live (incl forklift) and equipment loads), and checks for flexural capacity, crack control, joint behavior, and serviceability. Designed reinforcement, slab thickness, and joint spacing based on demand and shrinkage considerations.

Performed structural design review of tilt-up concrete buildings in accordance with ACI 318, ACI 551 and ASCE 7. Calculated gravity and lateral loads including wind and seismic effects, reviewed tilt-up wall panels for in-plane and out-of-plane forces, evaluated diaphragm action, and assessed load transfer through slab-on-grade–soil interaction. Reviewed connections between wall panels and foundations for continuity and stability.

Performed gravity and lateral load analysis and design of steel columns and base plates in accordance with AISC SCM and ASCE 7 load combinations. Designed members for axial, bending, and combined actions, and designed base plates for bearing, anchor rod tension, shear, and concrete breakout per ACI anchorage provisions.

Conducted structural evaluation and retrofit design of reinforced concrete beams in accordance with ACI 318 and ASCE 7. Assessed existing load-carrying capacity, identified deficiencies due to reduction in section properties, and developed strengthening solutions including external strengthening systems to achieve required demand-to-capacity ratios. Prepared structural calculations and retrofit details.

Performed non-destructive testing (NDT) and condition assessment of reinforced concrete elements using Schmidt Hammer (ASTM C805), and Ultrasonic Pulse Velocity (ASTM C597) Interpreted results to estimate in-place compressive strength, assess material degradation, and evaluate structural integrity, and incorporated findings into structural evaluation reports and strengthening designs.

Coordination with contractors and resolving any technical issues or site RFI queries raised by the contractor. Handled RFI coordination and general Supervisory site visits as an increasing responsibility.

The work was carried under direct supervision of Ashok Kakade,PE

REPRESENTATIVE PROJECTS

Industrial Storage Facility at Santa Rosa, CA
Scope: Design of Slab on Grade

Performed structural analysis and design of slabs-on-ground in accordance with ACI 318, ACI 360, ASCE 7, and the California Building Code (CBC) for industrial and commercial facility applications. Evaluated geotechnical parameters including soil subgrade modulus (k-value) based on soil investigation reports. Developed and applied governing load combinations per ASCE 7, including dead loads, live loads, equipment loads, storage loads, and vehicular loads, as applicable to facility operations and usage conditions.
Performed design of slabs on ground considering contact area, load distribution, and support conditions, and verified adequacy of slab thickness for bending and deflection limits. Checked shear capacity and punching shear effects where concentrated loads or equipment wheel loads were present. Evaluated serviceability criteria including crack width control, joint efficiency, and long-term durability requirements as per ACI 360.

Designed reinforcement layout including bar sizing, spacing, and distribution steel to control shrinkage and temperature effects, ensuring compliance with ACI 360 guidelines for industrial slab performance. Designed construction and contraction joint spacing

based on expected shrinkage strains, restraint conditions, and slab panel geometry to minimize random cracking and ensure constructability.

Developed slab thickness design using iterative analysis considering applied loads, subgrade support conditions, and reinforcement ratios to achieve required strength and serviceability performance.

A resort facility at Tahoe, CA
Scope: Beam and slab Structural Repair

I designed a temporary shoring system in accordance with the California Building Code (CBC), which adopts ASCE 7 for minimum design loads and load combinations, to safely support an existing reinforced concrete slab during repair activities. The design accounted for governing load cases including dead load (self-weight), construction live loads and superimposed loads. Load combinations were developed as per ASCE 7 provisions.

I also performed a detailed structural evaluation of existing reinforced concrete beams to assess their adequacy under current demand conditions in accordance with ACI 318 (Building Code Requirements for Structural Concrete) and ACI 437 (Code Requirements for Load Testing of Existing Concrete Structures / Evaluation of Existing Concrete Structures). The assessment began by determining factored and service load effects per ASCE 7, including dead, live, and applicable superimposed loads. Using structural analysis methods, I computed bending moments, shear forces, and service-level deflections to establish demand envelopes.

As-built drawings were reviewed to establish existing material properties, reinforcement details, beam cross section and spans and concrete cover. Existing flexural and shear capacities were evaluated in accordance with ACI 318 strength design provisions and compared against calculated demands to identify deficiencies. For capacity shortfalls, I developed strengthening options considering AISC 360 (Specification for Structural Steel Buildings).
I evaluated externally bonded steel plate strengthening as the preferred solution and designed the system in accordance with AISC 360. Plate thickness, extent, and anchorage detailing were proportioned to ensure composite action and reliable force transfer between steel plates and existing concrete using appropriate anchorage connectors.

I verified serviceability performance, including deflection and crack control criteria per ACI 318 and CBC allowable limits, ensuring the strengthened members satisfied both strength and service-level performance requirements. I prepared detailed engineering calculation packages for county submission and responded to contractor RFIs.

Industrial Storage Facility, Sacramento CA
Scope Technical Evaluation of Slab On Grade and Connections to Tilt Up Walls

Evaluated the adequacy of the wall to slab-on-grade connection in accordance with ACI 318 provisions for reinforced concrete detailing and ACI 551 guidance for tilt-up Construction. The assessment focused on ensuring that the provided connection detailing was sufficient to transfer applied forces without overstressing the slab or causing localized failure at the interface. I reviewed reinforcement layout, embedment lengths, and load transfer mechanisms to confirm compliance with development length, anchorage, and crack control requirements per ACI 318.

Evaluated the provided reinforcement layout, slab-on-grade thickness, and specified concrete strength to verify adequacy under anticipated forklift traffic and material stacking loads as per ACI 360R guidelines for slabs-on-ground and relevant ACI 318 provisions for concrete strength and reinforcement detailing.

Load distribution was evaluated considering tire contact area and slab-subgrade interaction as per ACI 360 charts.

The evaluation ensured that the slab system would safely accommodate expected operational demands without excessive cracking, joint distress, or loss of serviceability over its design life.

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
November 2006	December 2007	Taken Academic Break and Enrolled for Engineering Courses.

CREDENTIALS EVALUATION - ENGINEERING

KULKARNI, PARAG
(24-562-82)

DEGREES EVALUATED

Institution/Degree	Country	Language	Courses
Technical Exams Board - Technical Diploma in Civil Engineering / Non-degree 07/01/1990 — 08/01/1993	—	English	None
University of Mumbai / Bachelors in Construction Engineering 07/01/1993 — 05/01/1996	India	English	48

COMPARABILITY SUMMARY

Outcome: Not Equivalent

Area	Hours	Deficiency
Math/Science	23 / 32	Missing 9 hours
Engineering	51 / 48	None
General Education	3 / N/A	None
Elective/Other	51 / N/A	None

SPECIAL NOTE

Prior to enrollment in the undergraduate program, the applicant completed a technical diploma in civil engineering. The courses completed in this program exempt students from the first year of the undergraduate engineering program curriculum requirements for lateral entry. The first year courses have been issued credit and listed in the report on this basis.

The NCEES Engineering Education Standard requirement is 32 semester credits in higher mathematics/basic sciences.

MATH/SCIENCE

Specified Criteria Hours: 32

Course	Institution/Degree	U.S. Credits
Calculus I	University of Mumbai / Bachelors in Construction Engineering	1.6
Calculus II	University of Mumbai / Bachelors in Construction Engineering	2.6
Calculus III	University of Mumbai / Bachelors in Construction Engineering	2.6
Chemistry I	University of Mumbai / Bachelors in Construction Engineering	2.1
Chemistry II	University of Mumbai / Bachelors in Construction Engineering	2.1
Engineering Geology	University of Mumbai / Bachelors in Construction Engineering	3.1
Engineering Mechanics I	University of Mumbai / Bachelors in Construction Engineering	1.6
Engineering Mechanics II	University of Mumbai / Bachelors in Construction Engineering	1.6
Physics I	University of Mumbai / Bachelors in Construction Engineering	2.6
Physics II	University of Mumbai / Bachelors in Construction Engineering	2.6
	Total semester credit hours earned:	**22.50**

Specified Criteria Hours: 48

Course	Institution/Degree	U.S. Credits
Building Design	University of Mumbai / Bachelors in Construction Engineering	2.1
Building Services	University of Mumbai / Bachelors in Construction Engineering	2.6
Concrete Structures	University of Mumbai / Bachelors in Construction Engineering	3.6
Electrical & Electronic Engineering I	University of Mumbai / Bachelors in Construction Engineering	1.6
Electrical & Electronic Engineering II	University of Mumbai / Bachelors in Construction Engineering	1.6
Environmental Engineering	University of Mumbai / Bachelors in Construction Engineering	3.1
Fluid Mechanics	University of Mumbai / Bachelors in Construction Engineering	3.1
Foundation Engineering	University of Mumbai / Bachelors in Construction Engineering	2.6
Irrigation Engineering	University of Mumbai / Bachelors in Construction Engineering	3.1
Project	University of Mumbai / Bachelors in Construction Engineering	3.1
Reinforced Concrete	University of Mumbai / Bachelors in Construction Engineering	3.1
Soil Mechanics	University of Mumbai / Bachelors in Construction Engineering	2.6
Steel Structures	University of Mumbai / Bachelors in Construction Engineering	3.6
Strength of Materials	University of Mumbai / Bachelors in Construction Engineering	3.6
Structural Analysis I	University of Mumbai / Bachelors in Construction Engineering	3.1
Structural Analysis II	University of Mumbai / Bachelors in Construction Engineering	3.1
Transportation Engineering I	University of Mumbai / Bachelors in Construction Engineering	2.6
Transportation Engineering II	University of Mumbai / Bachelors in Construction Engineering	2.6
	Total semester credit hours earned:	**50.80**

GENERAL EDUCATION

Specified Criteria Hours: N/A

Course	Institution/Degree	U.S. Credits
Communication Skills I	University of Mumbai / Bachelors in Construction Engineering	1.6
Communication Skills II	University of Mumbai / Bachelors in Construction Engineering	1.6
	Total semester credit hours earned:	**3.20**

ELECTIVE/OTHER

Specified Criteria Hours: N/A

Course	Institution/Degree	U.S. Credits
Building Construction	University of Mumbai / Bachelors in Construction Engineering	3.1
Computer Applications	University of Mumbai / Bachelors in Construction Engineering	3.6
Computer Programming I	University of Mumbai / Bachelors in Construction Engineering	1.6
Computer Programming II	University of Mumbai / Bachelors in Construction Engineering	1.6
Concrete Technology	University of Mumbai / Bachelors in Construction Engineering	3.1
Construction Technology I	University of Mumbai / Bachelors in Construction Engineering	3.6
Construction Technology II	University of Mumbai / Bachelors in Construction Engineering	3.1
Contract Management	University of Mumbai / Bachelors in Construction Engineering	3.1
Engineering Drawing I	University of Mumbai / Bachelors in Construction Engineering	1.6
Engineering Drawing II	University of Mumbai / Bachelors in Construction Engineering	1.6
Professional Practice	University of Mumbai / Bachelors in Construction Engineering	2.6
Project Management I	University of Mumbai / Bachelors in Construction Engineering	3.6
Project Management II	University of Mumbai / Bachelors in Construction Engineering	3.6
Quality Management	University of Mumbai / Bachelors in Construction Engineering	3.6
Quantity Surveying & Estimation	University of Mumbai / Bachelors in Construction Engineering	3.6
Surveying I	University of Mumbai / Bachelors in Construction Engineering	3.6
Surveying II	University of Mumbai / Bachelors in Construction Engineering	3.6
Workshops	University of Mumbai / Bachelors in Construction Engineering	1
	Total semester credit hours earned:	**51.20**

Total Semester Credit Hours Earned: 128

PROCESS DESCRIPTION

All education is compared to the NCEES Engineering Education Standard

The evaluation of your academic studies has been prepared to provide engineering and surveying licensing boards with the required assessment of foreign qualifications to facilitate them in determining if you qualify for licensure examination. This is an advisory report prepared based on records received and verified by the institutions issuing the degrees or qualifications. Eligibility to take the examination is determined by the licensing boards.

This report does not include the assessment of written and oral communication skills, computer skills, the quality of laboratory or field work, and the scope of design experience, which require an onsite review. Academic records (such as transcripts and catalogs) do not document qualitative factors and practical constraints to desirable outcomes.

NCEES houses a library of reference materials from around the world. These references are used for the completion of evaluations in conjunction with the NCEES Engineering Education Standard.

Post-graduate courses are ONLY used in an evaluation if they can assist in eliminating deficiencies that may be indicated in the undergraduate program.

Official Evaluations are ONLY available to state licensing boards and international exam sites through an applicant's NCEES account.

JASMINE MILLER (15-782-79)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/28/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
4 years, 5 months

Total Engineering Experience
4 years, 5 months

Experience under licensed engineer
4 years, 5 months

Other Experience

Disciplinary Action
None reported

EDUCATION

Bachelors in Chemical Engineering (EAC)
University of Nevada, Reno
August 2011–May 2015

Masters in Environmental Engineering
Michigan Technological University
May 2015–August 2016

EXAMS

Fundamentals of Engineering (FE)
Nevada
May 2015

Principles and Practice of Engineering (PE)
Civil
California
June 2025

LICENSES

Additional Licenses
None

WORK EXPERIENCE

IHOP
Nevada (United States)
Server
June 2000—June 2008

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

JASMINE MILLER (15-782-79)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Ritz Carlton
Louisiana (United States)
Bellperson
June 2008—August 2011

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

WORK EXPERIENCE

Short Elliot Hendrickson
Minnesota (United States)
Junior Engineer
August 2016—September 2017

Verified by
Christopher Thomas Larson
clarson@sehinc.com

Experience Summary
Full-Time
Engineering: 1 year, 1 month
Post EAC degree: 1 year, 1 month
Experience under licensed engineer: 1 year, 1 month

TASKS

I interacted with municipal clients to collect project data and support the development of water supply and water master plans. I created, calibrated, and reviewed hydraulic models for municipal water distribution systems using Bentley WaterGEMS, Innovyze software, and ArcGIS. I also performed field work, including site visits and hydrant flow and pressure measurements, and used the collected data to support engineering analysis and model development. I communicated with clients and contractors to coordinate data collection and support project delivery.

REPRESENTATIVE PROJECTS

Municipal Water System Modeling and Master Planning – Various Cities, MN
I developed and calibrated hydraulic models for municipal water distribution systems to support water supply and master planning efforts. I collected field data by conducting site visits and obtaining hydrant flow and pressure measurements, then used Bentley WaterGEMS, Innovyze software, and ArcGIS to input system data, build models, and evaluate system performance. I analyzed model results to support engineering recommendations under the supervision of a licensed Civil Engineer.

Water Distribution System Data Collection and Model Development – Various Municipalities, MN
I performed field investigations to gather hydraulic data for use in municipal water system models. I measured flows and pressures at fire hydrants, organized the collected information, and incorporated it into WaterGEMS and Innovyze-based models. I reviewed model inputs and outputs to support water system analysis and master planning under the supervision of a licensed Civil Engineer.

The above work was performed in 2017. I don't recall the exact cities.

JASMINE MILLER (15-782-79)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Washoe County School District
Nevada (United States)
Teacher
September 2017—December 2022

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

JASMINE MILLER (15-782-79)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Schaaf & Wheeler
California (United States)
Assistant Engineer
January 2023—May 2026

Verified by
Caitlin Tharp
ctharp@swsv.com

Experience Summary
Full-Time
Engineering: 3 years, 4 months
Post EAC degree: 3 years, 4 months
Experience under licensed engineer: 3 years, 4 months

TASKS

I perform hydrologic and hydraulic analyses using HEC-RAS, HEC-HMS, MIKE Urban, MIKE+, ICM Innovyze, and SSA to evaluate storm drainage systems and identify conveyance deficiencies. I develop and review 1D and 2D hydraulic models, perform engineering calculations, and interpret model results to support design decisions and evaluate improvement alternatives. I prepare stormwater and drainage design plans in AutoCAD Civil 3D and use analysis results to develop cost estimates, design packages, and supporting technical documentation. I also conduct floodplain analyses and prepare engineering submittals in accordance with agency, county, and FEMA requirements.

REPRESENTATIVE PROJECTS

Trash Capture Feasibility and Design – Cities of Sunnyvale, San Leandro, East Palo Alto, Morgan Hill, and Tiburon
I developed and reviewed 2D hydraulic models to evaluate the feasibility of installing large trash capture devices at multiple sites. I used model results to assess storm drain capacity, support device selection, and inform design decisions. I also prepared design drawings and cost estimates for device installation. All work was performed under the supervision of a licensed Civil Engineer.

Storm Drain Master Plans – Cities of San Leandro, Seaside, and Soledad
I performed hydrologic and hydraulic analyses to evaluate the performance of existing storm drain systems under the 25-year design storm. I used catchment delineation, model development, and engineering calculations to identify deficiencies and develop Capital Improvement Program recommendations. I also prepared cost estimates for proposed system improvements. All work was performed under the supervision of a licensed Civil Engineer.

UCLA Floodproofing and Storm System Improvements – Los Angeles, CA
I developed a 2D hydraulic model of drainage areas contributing to UCLA Research Park to evaluate floodplain conditions and stormwater impacts. I used model results to support floodproofing recommendations and identify potential capacity improvements, including underground storage opportunities. I also prepared technical documentation summarizing the analysis and design considerations. All work was performed under the supervision of a licensed Civil Engineer.

Floodplain Analysis and FEMA Submittals – City of Hayward, Eden Housing, Arroyo Del Hambra Creek
I performed floodplain analyses to support Letters of Map Amendment and Conditional Letters of Map Revision submittals to FEMA. I evaluated proposed development impacts relative to the 100-year floodplain and floodway and determined required Finished Floor Elevations based on FEMA Base Flood Elevations. I also assessed floodproofing options and prepared supporting engineering documentation for submittal. All work was performed under the supervision of a licensed Civil Engineer.

MIKAYLA MILLER (21-960-90)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/21/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
4 years

Total Engineering Experience
4 years, 1 month

Experience under licensed engineer
4 years, 1 month

Disciplinary Action
None reported

EDUCATION

Bachelors in Civil Engineering (EAC)
University of Nevada, Reno
August 2018–May 2022

EXAMS

Fundamentals of Engineering (FE)
Nevada
May 2023

Principles and Practice of Engineering (PE)
Civil
Nevada
May 2024

LICENSES

Additional Licenses
None

MIKAYLA MILLER (21-960-90)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Lumos & Associates
Nevada (United States)
Project Designer
April 2022—May 2024

Verified by
Camille Buehler
cbuehler@lumosinc.com

Experience Summary
Full-Time
Engineering: 2 years, 1 month
Post EAC degree: 2 years
Experience under licensed engineer: 2 years, 1 month

TASKS

As a Civil Project Designer, I was responsible for the conceptualization, coordination, and design of civil infrastructure projects. I worked on multiple industrial buildings for Mark IV in Fernley, Nevada from planning stages to final design. I aided in project planning and coordination by collaborating with engineers, architects, and clients to create a suitable design that achieved the overall goal of the project. I worked with standards and communication with multiple agencies including NDOT, USPR, NV Energy, TMWA, City of Reno, City of Fernley, NDEP, and USA Dig. I drew and drafted multiple exhibits to communicate ideas and information to other parties involved in the design process and provided technical support during the construction phase. I worked in design and drafting using Civil 3D to create detailed drawings and plans for various civil projects such as road, drainage systems, sewer systems, water systems, and industrial buildings. I ensured that the design complied with relevant codes, standards, and regulations of multiple agencies in Nevada/California. I conducted site visits to gather data on existing conditions and manage potholing. Analyze topographical information to inform design decisions. I performed technical calculations to perform engineering calculations for design of underground utility systems and construction methods. Ensure designs are efficient, cost-effective, and structurally sound. I worked on documentation and reporting by completing sewer and drainage reports, SWPPP reports and exhibits while maintaining accurate records of design modifications. I completed quality control and compliance of plans that I worked on by reviewing and verifying design accuracy, compliance with project requirements and industry standards to ensure design was meeting standards of quality and functionality. I was an integral teammate in design from initial site design, grading, utility design, and coordination between congruent agencies to ensure that our plans were congruent between them.

REPRESENTATIVE PROJECTS

Mark IV Capital: Building D-2 and Building E
Fernley, NV
May 2022-August 2022
Description: I worked at grading in walls and gathered all required documents for submittals to the City of Fernley. I was an integral part in the completion of the packages in order to get the building to construction. I completed multiple SWPPP and Dust Control Permits under NDEP.

Rue Ivy Project
Truckee, CA
July 2022-September 2022
Description: I was the main design engineer and produced plans for 2 rectangular concrete culverts and access road to go under a section of roadway that met constraints of existing elevation.

Mark IV Capital: Victory Logistics: CLOMR Plan set
Fernley, NV
August 2022-December 2022
I was the designer for the underground box culvert to mitigate the floodplain. Engineering decisions consisted of tie-in methods for the proposed CLOMR pipe and proposed box culvert, as well as how the CLOMR pipe will affect the proposed railroad and ways to go around it.

Mark IV Capital: Building E
Fernley, NV
September 2022-March 2023
Description: I laid out the location of the building on the lot given the grading constraints and size of building. I completed grading for sidewalks that were ADA accessible following the parameters set out by AASHTO.

Mark IV Capital: Victory Logistics: Mass Grading Plan set
Fernley, NV
January 2023-August 2023
Description: I mass graded using existing topo, ADA compliant sidewalk and retention basins. Designed alternatives for a proposed channel to work as a box culvert, concrete lined, rip rap lined, or pipe. I worked in ARCGIS to display flood areas and create exhibits that displayed information in an explainable way.

Mark IV Capital: Building D-1
Fernley, NV
June 2023-May 2024
I was the designer for the utilities and site layout. I worked with architect to get building LEED certified.

TCA Drainage
Reno, NV
August 2023-October 2023
Description: Designed the rational storm drain system and wrote the drainage report. Design the sizes of the storm drain and valley gutter with proper rip rap calculations

Taylor Street Drainage
Virginia City, NV
October 2023-November 2023
Description: Research on existing storm information for the 25-, and 100-year storm in GIS. Using FIRM and perc data to estimate the amount of water in swale.

Mark IV Capital: Buildings F-1, F-2, F-3
Fernley, NV
August 2023-May 2024
I was the designer for the utilities and site layout. Drew rail crossing details and coordination with rail pros for grading challenges and rail access to buildings. Supervised potholing verifications on multiple utilities. Verify csv points with surveys topo points in order to distinguish control points. I designed location of outlet structures that were compliant with City of Fernley. Used cut/fill numbers to determine if the site was balanced between the vast acreage that would be future industrial building development. Drew contours in order to have a consistent flow and transition between feature lines and elevation. Adding lift stations to avoid inadequate sewer line depths. I completed sewer calculations to size the pipes in regard to flow and velocity in the pipes. I applied riprap calculations for the outlet pipes coming into the detention basin and fixed them to the 100-year storm to mitigate erosion. Using Hydraflow to determine volumes of 5,25-, and 100-year storms and equalize basins. Hydraulic grade line and surcharge factors were an important statistical factor when sizing the sewer pipes.

Mark IV Capital: Road Design
Fernley, NV
October 2023-May 2024
Description: Design ties into the lift station and calculations to determine the max depth and constructability of utilities. Designing water, sewer, and storm systems and writing sewer and storm reports. I worked on designing a water system that would meet all the design constraints and provide adequate separation between crossings of other utilities using pressure pipe networks. Creating plans and profiles to see how utilities interfere with each other vertically and completing dipra calcs. Using Rational and SCS methods in order to size the storm drain and provide adequate storm drain inlets to control the flow on the site.

Mark IV Capital: Phase II Mass Grading
Fernley, NV
March 2023-May 2024
Description: I was the designer for the utilities, site layout, and preliminary grading.

WORK EXPERIENCE

Washoe County School District
Nevada (United States)
Assistant Project Manager
May 2024—February 2025

Verified by
Anthony McMillen
tmcmillen@washoeschools.net

Experience Summary
Full-Time
Engineering: 9 months
Post EAC degree: 9 months
Experience under licensed engineer: 9 months

TASKS

As a Civil Project Engineer in Training and Project Manager, I have specialized in the design, planning, and execution of civil engineering projects for a variety of developments, primarily within the school district. My role has involved the full scope of project management, from conceptualization to final construction and closeout, ensuring that all projects meet required engineering standards, local regulations, and District standards. I gained extensive experience working with design standards, including all building codes, ADA, AASHTO, Green and Orange Books, etc. to ensure compliance with industry standards and code. I also earned my OSHA 10 certification to better understand and ensure safety on-site. I have worked on a wide range of projects, including civil landscaping, demolition, pavement rehabilitation, site improvements, renovations, and new construction such as the Debbie Smith CTE Academy and Stead Elementary school. My responsibilities included reviewing plan sets to identify any errors or discrepancies in the design and proposing appropriate solutions. Using ACAD, I designed and planned grading to provide better accessibility across the site and worked to improve drainage in areas where water management had historically been insufficient. A significant aspect of my role involved making critical decisions to ensure ADA compliance. I often made real-time engineering judgments to address issues on-site, ensuring they were resolved in a timely and cost-effective manner while adhering to civil engineering principles, including site, utility, grading, and drainage. I collaborated closely with architects, contractors, and other engineering disciplines to find practical, cost-efficient solutions for the projects.

REPRESENTATIVE PROJECTS

Van Gorder ES Playground Reslope
May 2024 - August 2024
Acted as the project manager/engineer to develop a solution for the grading of riprap slope to ensure adequate distance from an existing shade structure, which posed a safety risk near a climbable fence. Engaged in design modifications to mitigate safety hazards while maintaining functionality. I applied AASHTO and Green Book standards to verify compliance. Conducted grading analysis and provided recommendations to ensure proper drainage and slope for the site, in line with safety standards.

Hunter Lake ES Mobile Demo
May 2024 - August 2024
Provided Design specifications for mobile demolition. Once the mobile unit was removed from the site, unforeseen site issues required engineering decisions to restore to original conditions that improved safety and drainage. Upon removal of mobile, a concrete valley gutter was identified as major tripping hazard and adjacent asphalt and grades could not support improvement. Opted to install new asphalt sections including subgrade, base, and paving to meet safety, water drainage, and typical site standards. Cost implications and long-term durability were considered.

Brown Center Pavement Rehabilitation
September 2024 - February 2025
Provided drainage design solutions on-site to ensure proper water flow to swales, valley gutters, and detention to improve stormwater management. I utilized the "Orange Book" to verify the contractor’s asphalt application, ensuring adherence to design specifications. I applied quality control efforts by verifying compliance of paving, site improvements and drainage systems.

Debbie Smith CTE Academy
September 2024 - February 2025
Managed landscaping and grading for a multi-functional ADA-compliant entrance to the building, ensuring compliance with accessibility standards and providing alternative routes. Conducted site visits with the contractor, architect, and design team to assess and implement field modifications to resolve grading and structural issues that impacted building integrity. Implemented solutions for erosion control and structural reinforcement to improve the safety and function. Review civil plans for constructability of details and the functionality for the desired application and users. Added civil elements to maintain the integrity of asphalt and

compacted base to ensure longevity. Worked with contractor to develop the schedule, scope and provided design solutions for concrete and civil work.

Tennis Court and Track Reconstruction and Resurfacing
Hug Tennis, Reed Track, McQueen Tennis, Wooster Tennis, Incline Track, Reno Track, Galena Tennis, North Valleys Tennis, Debbie Smith Tennis
July 2024 - February 2025
Conducted site assessments to evaluate the existing conditions of site improvements, identifying areas needing reconstruction for better drainage and structural integrity. Analyzed and provided recommendations for corrective actions, including resurfacing and drainage improvements to ensure proper water runoff and minimize pooling. Designed detailed plans for structural elements, site concrete work, footings, and utility. Reviewed and researched the common methods for rehabilitation of cracks in asphalt to provide an economical solution.

Pavement and Slurry Project
Rita Cannan ES, Bohach ES, Sarah Winnemucca ES, Galena HS, Inskeep ES, Marce Herz MS, Caughlin Ranch ES
September 2024 - February 2025
Conducted site visits to assess the condition of asphalt surfaces, identifying issues such as tree root damage and evaluating mitigation strategies for surface preservation. Design of slurry applications to improve surface durability, ensuring compliance with project specifications and effective repair of deteriorated pavements. Managed site-specific designs for pavement rehabilitation, ensuring functionality, safety, and adherence to regulatory standards. Designed details for asphalt sections utilizing City, County, and District standards.

Silver Dollar Elementary School
October 2024 - February 2025
Analyzed project drawings to understand the scope of work and identify key engineering requirements. Collaborated with design team to review project scope and ensure alignment with technical requirements. Led coordination to finalize the project's design, ensuring all site improvements met the necessary technical, safety, and compliance standards. Work with Nevada agencies for temporary power standards and applications. Reviewed various RFI documents and recommended solutions.

Demolition Planning for Existing Glenn Hare Greenhouse
Reno, NV
January 2025 - February 2025
Performed the design and development of demolition plans, utilizing CAD to create detailed plans that clearly communicated project requirements including utility, site improvements, landscape, and building demolition. Coordinated with local utilities, including NV Energy, the City of Reno, and TMWA, to ensure compliance with their standards and regulations. Conducted site visits to identify the location of essential utilities and assess potential conflicts.

MIKAYLA MILLER (21-960-90)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

State of Nevada Public Works Division
Nevada (United States)
Project Manager 2
March 2025—May 2026

Verified by
Brian John Wacker
bwacker@admin.nv.gov

Experience Summary
Full-Time
Engineering: 1 year, 3 months
Post EAC degree: 1 year, 3 months
Experience under licensed engineer: 1 year, 3 months

TASKS

As a Civil Engineer in Training (EIT) and Project Manager, I performed engineering design review, analysis, and project coordination for a variety of civil engineering projects, including site development, pavement rehabilitation, utility improvements, and water system mitigation. I was responsible for evaluating civil design elements such as grading, drainage, stormwater conveyance, water and wastewater systems, and roadway geometry to ensure compliance with project requirements, State of Nevada regulations, and applicable engineering standards.

I exercised independent engineering judgment in both office and field environments. Through site visits, I assessed existing conditions, identified deficiencies, and determined appropriate engineering solutions for drainage issues, utility conflicts, and pavement failures. I evaluated design alternatives based on hydraulic performance, constructability, cost-effectiveness, and regulatory compliance, and provided recommendations to support design modifications and project success.

I reviewed engineering plans, specifications, and contractor submittals to identify errors, inconsistencies, and non-compliance with standards. I proposed technically sound solutions and verified that construction documents accurately reflected design intent and required engineering criteria for implementation and budgeting. I applied and interpreted relevant standards, including local building codes, ADA requirements, and AASHTO guidelines (Green Book and Roadside Design Guide), to ensure quality and compliance.

I collaborated with multidisciplinary teams, including engineers, architects, contractors, and public agencies, to coordinate project deliverables and resolve technical challenges. During construction, I made real-time engineering decisions to address unforeseen site conditions, ensuring adherence to civil engineering principles while maintaining project scope, schedule, and budget.

This experience strengthened my ability to apply engineering principles, exercise professional judgment, and contribute to safe, effective, and compliant civil engineering designs.

REPRESENTATIVE PROJECTS

Water System Improvements – Gallagher Fish Hatchery – Elko, NV
Dates: March 2025 – August 2025
Scope: Replacement of the water distribution system, construction of a well house, and rehabilitation of a storage tank.
My Responsibilities: I made field engineering decisions to adjust waterline alignment due to lack of survey data and unknown utilities. I evaluated site conflicts, including abandoned structures, and determined vertical and horizontal pipe modifications to maintain system functionality and constructability.

Pavement Maintenance Projects – Multiple Locations, NV
Dates: March 2025 – May 2026
Scope: Pavement rehabilitation projects across Nevada addressing varying environmental and loading conditions.
My Responsibilities: I evaluated pavement distress and selected appropriate treatments, including crack sealing, patching, slurry seal, and full-depth replacement. I considered climate impacts and material performance to determine durable, cost-effective solutions.

Spring Creek Rearing Station – Baker, NV
Dates: September 2025 – May 2026
Scope: Replacement of water treatment equipment, new well integration, and utility lateral improvements.
My Responsibilities: I assessed drainage deficiencies and contributed to grading modifications to prevent water intrusion. I evaluated site conditions and coordinated design adjustments to ensure proper surface drainage.

Site Drainage Improvements – Attorney General Office – Carson City, NV
Dates: March 2025 – May 2026
Scope: Drainage improvements to mitigate flooding in a high groundwater area.

My Responsibilities: I evaluated site drainage and determined mitigation strategies, including sump pump sizing and discharge locations. I assessed system capacity to ensure compliance with local drainage requirements.

Impound Lot Expansion – Carson City, NV
Dates: September 2025 – May 2026
Scope: Expansion of a paved impound lot including subgrade and pavement design.
My Responsibilities: I reviewed geotechnical data and evaluated pavement section recommendations. I confirmed design suitability based on soil conditions and anticipated loading.

Nevada Air National Guard Apron Expansion – Reno, NV
Dates: August 2025 – May 2026
Scope: Expansion of an aircraft apron per military design criteria.
My Responsibilities: I reviewed design documents and evaluated compliance with applicable standards. I provided input on constructability and adherence to required criteria.

Security Fence Replacement – Carson City, NV
Dates: September 2025 – May 2026
Scope: Replacement of perimeter fencing to meet federal standards.
My Responsibilities: I reviewed construction documents and verified compliance with UFC requirements. I identified discrepancies and recommended corrections.

Adventure Center – Carson City, NV
Dates: December 2025 – January 2026
Scope: Site utility installation and coordination with existing infrastructure.
My Responsibilities: I identified conflicts with an undocumented water main and determined a revised alignment. I evaluated clearance constraints to ensure constructability and code compliance.

Administration Building – Carson City, NV
Dates: September 2025 – May 2026
Scope: Review of fire protection and drainage systems.
My Responsibilities: I evaluated fire line layout and pressure requirements using applicable codes. I assessed drainage design to ensure runoff was directed away from the structure.

NV Army National Guard Parking Lot Design – Carson City, NV
Dates: March 2026 – May 2026
Scope: Design of a new parking facility meeting operational and ADA requirements.
My Responsibilities: I designed the parking layout, including stall dimensions, drive aisles, and radii. I developed multiple alternatives to optimize capacity while maintaining compliance.

Railroad Museum Drainage Scoping – Carson City, NV
Dates: April 2026 – May 2026
Scope: Evaluation of site drainage deficiencies and conceptual mitigation.
My Responsibilities: I assessed site conditions and identified lack of stormwater infrastructure. I developed preliminary drainage solutions, including system connections and detention concepts.

Capitol and Supreme Court Drainage Mitigation – Carson City, NV
Dates: April 2026 – May 2026
Scope: Mitigation of groundwater intrusion in a high water table area.
My Responsibilities: I evaluated site conditions and developed conceptual solutions, including sump systems and discharge strategies compatible with existing infrastructure.

Mason Valley Hatchery Improvements – Yerington, NV
Dates: April 2026 – May 2026
Scope: Planning for production well, drainage improvements, and bridge rehabilitation.
My Responsibilities: I assessed site needs and developed conceptual solutions, including drainage conveyance, roadway elevation adjustments, and structural considerations for safe and functional design.

RATHNA MOTHKURI (15-041-23)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/21/2026

Citizenship
India

SUMMARY

Engineering Experience after EAC degree

Total Engineering Experience
11 years, 4 months

Experience under licensed engineer
10 years

Disciplinary Action
None reported

EDUCATION

Meets NCEES Engineering Education Standard

Bachelors in Civil Engineering
Jawaharlal Nehru Technological University - Hyderabad
August 2008–April 2012

Masters in Civil Engineering
University of Texas, Arlington
January 2013–August 2014

EXAMS

Fundamentals of Engineering (FE)
California
February 2024

Principles and Practice of Engineering (PE)
Civil
California
July 2024

LICENSES

Additional Licenses
None

WORK EXPERIENCE

Ninyo & Moore
California (United States)
Project Engineer
December 2014—April 2026

Verified by
Ransom Hayes Hennefer
Ransom.Hennefer@socotec.us

Experience Summary
Full-Time
Engineering: 11 years, 4 months
Experience under licensed engineer: 10 years

TASKS

I lead geotechnical engineering services for public works, transportation, water infrastructure, and utility improvement projects throughout the Bay Area. In this role, I make engineering decisions related to foundation design, settlement evaluation, seismic analyses, pavement design, and grading recommendations, and I prepare and review associated calculations, plans, and technical specifications. I manage geotechnical investigations from scope development through budget control and subcontractor oversight, while performing QA/QC reviews, interpreting laboratory and field data, and preparing comprehensive geotechnical reports. I also support construction-phase services by responding to RFIs, reviewing submittals, evaluating change orders, coordinating with municipal agencies for permitting and compliance, and mentoring junior staff and field personnel.

REPRESENTATIVE PROJECTS

From 2022 through 2025, I served as Project Engineer and lead geotechnical engineer on a range of public works, energy, transportation, and institutional projects throughout Northern California, performing subsurface investigations, seismic evaluations, pavement design, and shallow foundation analyses.

For the City of Fremont – Central Park New Parking Lot and Biotreatment Facility (3/2022–4/2022), I conducted a geotechnical evaluation for construction of 116 parking stalls, permeable pavement areas, utilities, and biotreatment facilities. I oversaw borings, test pits, and percolation testing in accordance with Alameda County requirements, analyzed infiltration and subgrade conditions, and recommended grading, pavement, and earthwork criteria. I prepared the geotechnical report documenting design and construction recommendations.

For the State Street Site and Building Improvements, San Jose (6/2022–7/2022), involving demolition and reconstruction of a 635-square-foot utility building supported on spread footings, I evaluated subsurface conditions, calculated allowable bearing pressures and estimated settlements, and recommended pavement replacement sections and earthwork procedures. I prepared the foundation and grading recommendations to support site redevelopment.

For the Moss Landing 750 MW BESS Tank Farm (10/2022–11/2025), I performed seismic settlement and liquefaction analyses for large-scale battery energy storage infrastructure. I interpreted borings and laboratory data, calculated settlement parameters for heavy equipment foundations, and developed recommendations for shallow foundations and ground improvement. I supported early construction by reviewing submittals and addressing subsurface risks.

For the Bassett Street Pavement Rehabilitation, Santa Clara (10/2022–7/2023), I evaluated subsurface soil conditions along approximately 3,500 feet of roadway. I analyzed laboratory test data, calculated pavement design alternatives, and recommended cost-effective rehabilitation sections tailored to site-specific subgrade characteristics.

For the Port of Oakland Electric Infrastructure Project (1/2023–7/2023), I evaluated subsurface conditions for electric bus access pavements, a 12kV substation, transformers up to 30 kips, and EV charging infrastructure. I calculated foundation design parameters and recommended pavement sections considering bus axle loads of up to 38 kips.

For the Port of Oakland / Oakland International Airport Taxiway Rehabilitation Projects (3/2023–11/2025), I supported FAA-regulated rehabilitation of over 2.5 miles of taxiways. I performed subgrade evaluations, pavement section analyses under aircraft loading, and prepared geotechnical and pavement recommendations in accordance with FAA criteria.

For the Las Positas College STEAM Building, Livermore (9/2023–11/2023), I conducted a geotechnical and geologic hazards assessment for a proposed 87,000-square-foot academic facility. I evaluated seismic hazards, liquefaction potential, and settlement risks, and I developed preliminary foundation and grading recommendations to support structural design.

These projects demonstrate my experience in foundation and pavement design, seismic hazard evaluation, regulatory coordination, and construction-phase engineering support across diverse infrastructure sectors.

From 2014 to 2021, I served as Staff Engineer and later Senior Staff Engineer, supporting large-scale infrastructure and energy projects in Nevada. My responsibilities included boring markout and permitting, coordination and oversight of drill and CPT crews, soil logging and classification, laboratory test assignment and review, and preparation of draft geotechnical reports. I performed settlement, bearing capacity (shallow and deep foundations), slope stability, and seepage analyses.

For the Granite Mountain East and West, and Iron Springs Solar projects, Cedar City, Utah (2/2015-3/2017), I performed fieldwork including boring and test pit logging, soil classification, field MASW and ReMi surveys, observation of pile installation, and lateral and axial pile load testing. Additionally, I helped with data compilation and preparation of a draft data report.

For the Townsite Water Street and Basic Road Utility Improvements, Henderson, Nevada (4/2017–7/2017), I supported installation of approximately 8,200 feet of 8- to 16-inch PVC water and sewer pipelines at depths up to 30 feet. I evaluated trench stability, seepage conditions, and bearing capacity, and provided recommendations for cut-and-cover construction.

For the Fairgrounds Detention Basin, Moapa, Nevada (12/2019–5/2021), an 87-acre basin with an 800-foot-long, 32-foot-high embankment, I performed slope stability and seepage analyses for earthen embankments, spillway structures, and retaining walls. I evaluated settlement and prepared recommendations for embankment construction and reservoir performance.

For the Boulder Solar III, Boulder City, Nevada (4/2020–9/2021), a 1,018-acre photovoltaic facility, I evaluated subsurface conditions for driven steel posts, spread footings, slabs, and access roads. I performed settlement and bearing capacity analyses and developed foundation recommendations for solar arrays and electrical infrastructure.

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
May 2012	December 2012	After graduating with a bachelor's degree in India in 2012, I prepared for and completed the GRE and TOEFL exams, applied to U.S. universities, and awaited admission decisions. I began my Master's program at UT Arlington in January 2013.

DIEGO NUNEZ MENDOZA (23-553-05)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/18/2026

Citizenship
Peru

SUMMARY

Engineering Experience after EAC degree

Total Engineering Experience
2 years, 4 months

Experience under licensed engineer
2 years, 4 months

Disciplinary Action
None reported

FE EXAM

PE EXAM

EDUCATION

Bachelors in Civil Engineering (Unofficial Transcript)
National University of Saint Anthony Abad in Cusco - UNSAAC
March 2012–October 2016

Masters in Structural Engineering
University of California, San Diego
September 2022–December 2023

EXAMS

Fundamentals of Engineering (FE)
California
October 2023

Principles and Practice of Engineering (PE)
Civil
California
March 2025

LICENSES

Additional Licenses
None

DIEGO NUNEZ MENDOZA (23-553-05)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

BIERA ENGINEERS
Cusco (Peru)
TECHNICAL OFFICE ENGINEER
August 2016—September 2022

Verified by
Diego Nunez Mendoza (Self)

Experience Summary
Full-Time
Engineering: (0%)
Experience under licensed engineer: None

TASKS

- Manage technical and financial control projects.
- Elaborate economic proposals for potential clients.
- Budget all the company's projects.
- Elaborate quarterly reports and reports concerning monthly achievements.
- Design structural projects, mainly in reinforced concrete of buildings.
- Formulate technical files and calculation reports.
- Evaluate and formulate technical files of residential buildings projects.
- Conducted structural calculations of residential buildings.
- Elaborate structural and sanitary plans and updated architectural and electrical plans.

REPRESENTATIVE PROJECTS

Technical Office Manager
Dependents: 5 people.
• I successfully spearheaded the design of various structural projects, primarily focused on reinforced concrete buildings
• I took charge of creating detailed structural and sanitary plans, as well as updating architectural and electrical plans to ensure alignment with the structural design. Utilized expertise in "AutoCAD and Revit" to create accurate and detailed plans that streamlined construction processes and minimized errors. Collaborated closely with architects and electrical engineers to ensure all plans were aligned with the structural design, resulting in seamless construction processes and high-quality finished products.
• In addition, I played a crucial role in managing technical and financial control projects, preparing quarterly reports and monthly achievement reports to ensure that all projects were on track to meet their goals.

Technical Office Engineer
● I spearheaded the technical development of an innovative construction project, 'Samadhi - an experiential spiritual hotel'. Utilized expertise in composite structures, reinforced concrete, and steel to develop a unique design that met the client's needs while also minimizing costs and improving durability.
● I developed and formulated technical files and calculation reports to ensure compliance with industry standards and regulations. Utilized expertise in structural analysis software and building codes to create detailed reports that accurately reflected the safety and structural integrity of the buildings.
● Consistently provided accurate and comprehensive quarterly and monthly reports on technical and financial progress, demonstrating excellent communication and organizational skills.

DIEGO NUNEZ MENDOZA (23-553-05)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Innova Technologies
Nevada (United States)
Design Engineer II
January 2024—May 2026

Verified by
Daniel N Konevky
dkonevky@innovanv.com

Experience Summary
Full-Time
Engineering: 2 years, 4 months
Experience under licensed engineer: 2 years, 4 months

TASKS

Description of Engineering Tasks & Duties: Perform structural analysis of concrete and steel buildings, calculating gravity, seismic, and wind loads per IBC, ASCE 7, AASHTO. ACI 318, and AISC 360. Develop designs for structural elements including beams, columns, shear walls, diaphragms, and foundations. Utilize software (Risa 3D, Sofistik, Excel, Revit and Dynamo) for modeling and validation. Created detailed structural drawings and specifications.
Level of Responsbility: Had to be as part of the structural engineering team under the direct supervision of a licensed Professional Engineer. Took responsibility for performing structural analysis, developing design calculations, and preparing structural drawings and construction documents. Provided technical input during coordination meetings with other disciplines. Ensured that all tasks were completed accurately and within deadlines. Maintained professional judgment and followed engineering standards and applicable codes.

REPRESENTATIVE PROJECTS

Projects: Las Vegas Monorail Reinforcement - Las Vegas, Nevada, USA - Steel Plates Analysis
Monterrey Monorail - Monterrey, Monterrey, Mexico - Reinforced Concrete and Prestressed Structures
Santiago de Los Caballeros Monorail - Santiago de Los Caballeros, Dominican Republic - Reinforced Concrete and Prestressed Structures
Micron Triton Project - Boise, Idaho, USA - Design of Steel Platforms.
F& A Modular Homes Box Housing - Los Angeles, California, USA - Cold formed steel with custom shear walls.
Modular Tiny Homes - Austin, Texas, USA - Cold formed steel with custom shear walls.
Cranes Analysis Software - Las Vegas, Nevada, USA - Structural Analysis Software Development.

Description of Engineering Decisions Made: Selected appropriate solutions based on project requirements, site conditions, and applicable codes. Determined member sizes and reinforcement based on load calculations and performance criteria. Chose modeling strategies and boundary conditions for structural analysis. Made decisions regarding connection details, slab thicknesses, foundation types, and load paths, always ensuring code compliance and structural safety. Description of Engineering Tasks & Duties: Perform structural analysis of concrete and steel buildings, calculating gravity, seismic, and wind loads per IBC, ASCE 7, AASHTO. ACI 318, and AISC 360. Develop designs for structural elements including beams, columns, shear walls, diaphragms, and foundations. Utilize software (Risa 3D, Sofistik, Excel, Revit and Dynamo) for modeling and validation. Created detailed structural drawings and specifications.

HOSSEIN OMRANI KHIABANIAN (24-151-87)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/18/2026

Citizenship
Iran

SUMMARY

Engineering Experience after EAC degree

Total Engineering Experience
6 years, 10 months

Experience under licensed engineer
2 years, 4 months

Disciplinary Action
None reported

EDUCATION

Meets NCEES Engineering Education Standard

Associates in Technician of Civil - Concrete Buildings
University of Tabriz
September 2009–September 2011

Bachelors in Building Technology Engineering
University of Mohaghegh Ardabili
September 2011–July 2013

Masters in Civil Engineering - Geotechnical
Sahand University of Technology
August 2013–November 2016

EXAMS

Fundamentals of Engineering (FE)
Georgia
March 2025

Principles and Practice of Engineering (PE)
Civil
Georgia
March 2026

LICENSES

Additional Licenses
None

HOSSEIN OMRANI KHIABANIAN (24-151-87)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

ARKATARAZ Consulting Engineers
Āẕārbāyjān-e Sharqī (Iran)
Pavement Construction Supervisor
April 2019—October 2023

Verified by
Mikaeil Yousefzadeh Fard
Mikaiel@ymail.com

Experience Summary
Full-Time
Engineering: 4 years, 6 months
Experience under licensed engineer: None

TASKS

From April 2019 to October 2023, I worked at ARKATARAZ as a supervisor for asphalt pavement projects in East Azerbaijan Province, Iran. My responsibilities centered on ensuring the quality and performance of asphalt pavement construction.

Key duties included:

Evaluating existing pavement conditions to determine rehabilitation or reconstruction needs.

Overseeing all phases of asphalt pavement construction projects, from material selection to final compaction.

Ensuring compliance with project specifications and quality control standards for asphaltic concrete.

Supervising laboratory testing of asphalt cores, including density, stability, and flow measurements, to verify the accuracy of results and the quality of the asphalt mix.

Analyzing lab test data to identify potential issues and recommend corrective actions.

Coordinating with contractors and other stakeholders to maintain project schedules and quality.

Providing technical guidance and oversight to field personnel.

My work was 100% focused on engineering tasks related to asphalt pavement projects.

REPRESENTATIVE PROJECTS

To illustrate my progressive experience, here are several representative projects:

Project 1: Tabriz-Ahar Highway Rehabilitation (2021-2022)

Scope: This project involved the rehabilitation of a 45-kilometer segment of the Tabriz-Ahar Highway, a major transportation artery. The existing asphalt pavement exhibited significant distress, including rutting, cracking, and potholes, requiring a combination of milling, patching, and overlay techniques.

My Role: As a supervisor, I was responsible for overseeing the quality control and quality assurance aspects of this project.

I supervised the contractor's activities to ensure compliance with the project specifications, particularly regarding asphalt mix design, placement, and compaction.

I directed the testing of asphalt cores taken from the pavement to verify density, stability, and air void content. I analyzed the test results and recommended adjustments to the construction process to achieve the required pavement properties.

I also managed the resolution of any non-conformance issues, working with the contractor to develop and implement corrective action plans.

My responsibilities included ensuring the safe execution of the project, including traffic management and worker safety.

I also played a key role in materials selection, evaluating different asphalt mix designs and aggregate sources to optimize

performance and cost-effectiveness.

Project 2: Construction of the East Tabriz Ring Road (2022-2023)

Scope: This project involved the construction of a new 20-kilometer section of the East Tabriz Ring Road, including the construction of new asphalt pavement. This was a new construction project.

My Role:

I supervised the asphalt pavement construction, ensuring that the subbase preparation, asphalt mix design, and paving operations met the required standards.

I was directly involved in overseeing the laboratory testing of materials, including aggregates and asphalt binder, and the testing of the asphalt mix to ensure it met the design requirements.

I managed a team of inspectors and technicians, providing them with technical guidance and training.

I was responsible for ensuring that the asphalt pavement was constructed to the required smoothness and grade.

I coordinated with other construction teams, including those responsible for earthworks, drainage, and bridge construction, to ensure the smooth integration of the pavement works with the overall project.

I also reviewed and approved the contractor's quality control plan and monitored its implementation.

Additional Projects:

I also supervised asphalt pavement projects for the following roads in East Azerbaijan Province:

Ahar-Kaleibar Road: Supervised the asphalt overlay and widening of a 60-kilometer segment, focusing on improving ride quality and safety.

Maragheh-Hashtrood Road: Oversaw the rehabilitation of a 50-kilometer section, including cold recycling of the existing asphalt and a new overlay.

Bonab-Maragheh Road: Managed the construction of a new 30-kilometer asphalt pavement section, including subbase preparation and quality control.

Tabriz-Zanjan Highway: Supervised the asphalt pavement maintenance and repair works on a 100-kilometer segment of this major highway.

Borderline Road (Iran and Republic of Azerbaijan): Oversaw the construction of a new 20-kilometer asphalt road section, including coordination with international teams.

HOSSEIN OMRANI KHIABANIAN (24-151-87)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

United Consulting Group
Georgia (United States)
Staff Civil Engineer
January 2024—September 2024

Verified by
Mehdi Moazzami
mmoazzami@unitedconsulting.com

Experience Summary
Full-Time
Engineering: 8 months
Experience under licensed engineer: 8 months

TASKS

As a Staff Civil Engineer in the Construction Materials Testing (CMT) department, I was responsible for performing field inspections and quality assurance testing on a variety of construction projects. My duties included:

Conducting concrete field testing, including slump, air content, temperature, and cylinder preparation in accordance with ASTM standards.

Performing in-situ soil density and moisture content testing using nuclear gauge methods to ensure compliance with project specifications.

Inspecting excavation activities to verify proper depth, slope, and subgrade preparation prior to foundation or utility installation.

Conducting pavement inspections, including subgrade evaluation, base course compaction, and asphalt placement monitoring.

Preparing detailed daily field reports documenting site observations, test results, and any non-conformances.

Communicating with project managers, contractors, and municipal inspectors to coordinate testing schedules and resolve field issues.

Ensuring all testing procedures and documentation complied with applicable codes, standards, and client requirements.

REPRESENTATIVE PROJECTS

During my tenure, I contributed to a wide range of infrastructure and commercial development projects, including:

Municipal Roadway Rehabilitation Projects – Performed soil compaction and asphalt placement inspections for city street resurfacing and reconstruction projects.

Commercial Building Developments – Conducted concrete field testing and excavation inspections for foundations and structural elements of retail and office buildings.

Utility Installation Projects – Oversaw trench backfill compaction and bedding inspections for water, sewer, and stormwater systems.

Parking Lot and Pavement Construction – Monitored subgrade preparation and asphalt paving operations for commercial and institutional parking facilities.

WORK EXPERIENCE

GDOT
Georgia (United States)
Staff geotechnical engineer
September 2024—May 2026

Verified by
Vincent Darnell Newsome
VNewsome@dot.ga.gov

Experience Summary
Full-Time
Engineering: 1 year, 8 months
Experience under licensed engineer: 1 year, 8 months

TASKS

As a Geotechnical Engineer with the Georgia Department of Transportation (GDOT), I am responsible for reviewing geotechnical investigation reports prepared by consultants statewide. These include Bridge Foundation Investigation (BFI) reports, Wall Foundation Investigation (WFI) reports, Culvert Foundation Investigation (CFI) reports, and Soil Survey Summary reports.

My primary duties involve performing detailed technical reviews to verify that the subsurface exploration, laboratory testing, engineering analyses, and foundation recommendations comply with GDOT policies, AASHTO specifications, and applicable state and federal standards. I evaluate soil and rock parameters, foundation design recommendations (shallow and deep foundations), settlement analyses, slope stability considerations, and constructability issues. I provide written review comments to ensure technical accuracy, completeness, and consistency with project requirements.

In addition to review responsibilities, I serve as a Geotechnical Project Engineer for in-house projects. In this role, I coordinate subsurface investigations, interpret boring logs and laboratory data, perform geotechnical analyses, and prepare foundation reports and recommendations for bridges, retaining walls, and other transportation structures. I collaborate with structural, hydraulic, and roadway engineers to support design development and resolve geotechnical-related issues.

My responsibilities are 100% engineering in nature and involve no non-engineering or surveying duties.

REPRESENTATIVE PROJECTS

As a Geotechnical Engineer with the Georgia Department of Transportation (GDOT), I have performed technical reviews and project engineering duties for numerous transportation projects across Georgia, demonstrating progressive responsibility in geotechnical evaluation and foundation design.

Bridge Foundation Investigations (BFI)
I reviewed multiple Bridge Foundation Investigation (BFI) reports in Bartow (2 projects), Brooks, Clarke, Crisp (2 projects), Fulton, Gilmer, Jones, Madison, Troup (2 projects), Upson, and Wayne (2 projects) Counties. These bridges included foundations supported on driven piles, drilled shafts, and shallow spread footings.

My responsibilities included evaluating subsurface exploration programs to confirm appropriate boring spacing and depth relative to bridge geometry and loading. I reviewed soil and rock classifications, laboratory testing results, and engineering analyses used to develop axial and lateral foundation capacities. I verified compliance with GDOT policies and AASHTO LRFD Bridge Design Specifications, including resistance factors, load combinations, settlement criteria, and embedment requirements.

For projects in Fulton County and Gilmer County, I also reviewed supporting subsurface geotechnical data reports and soil survey summaries to ensure consistency between field exploration data and foundation recommendations. I provided detailed written comments addressing discrepancies in soil parameter selection, capacity calculations, settlement analyses, and constructability considerations.

As my experience progressed, I independently managed consultant reviews, consolidated technical comments, and resolved complex foundation design issues related to variable subsurface conditions, groundwater influence, and settlement-sensitive structures.

Retaining Wall Foundation Investigations (WFI)
In Greene County, I reviewed a Wall Foundation Investigation (WFI) report for a retaining wall system and evaluated bearing capacity, global stability, and lateral earth pressure parameters. I verified shear strength correlations, assessed slope stability considerations, and confirmed compliance with AASHTO LRFD requirements. I also reviewed the associated Soil Survey

Summary report to ensure alignment between subsurface conditions and wall design recommendations.

Culvert and Shallow Foundation Evaluations
In Pickens County, I reviewed a Culvert Foundation Investigation (CFI) report, evaluating shallow foundation bearing resistance, settlement potential, and the need for undercut or soil replacement in areas of weak or compressible soils.

Soil Survey Summary (SSS) Reports
I reviewed Soil Survey Summary reports in Gilmer, Greene, Liberty, and Terrell Counties, assessing subsurface stratigraphy interpretations, subgrade support conditions, and earthwork recommendations. I ensured that field and laboratory data supported the engineering conclusions and that pavement and embankment recommendations were consistent with GDOT standards.

Progressive Engineering Experience

My role has progressed from supporting technical review tasks to independently managing geotechnical evaluations across multiple counties and structure types. I routinely exercise independent engineering judgment in evaluating soil parameters, foundation alternatives, settlement risks, slope stability concerns, and constructability challenges. My work directly supports safe, economical foundation design for transportation infrastructure statewide.

All responsibilities described above are engineering in nature and involve application of geotechnical engineering principles in accordance with GDOT policies and AASHTO standards.

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
November 2008	August 2009	From November 2008 to August 2009, I was engaged in intensive studies to prepare for the highly competitive Konkour university entrance exam in Iran.
December 2016	March 2019	From December 2016 to March 2019, I fulfilled my mandatory military service in the Law Enforcement Force of Iran.

CREDENTIALS EVALUATION - ENGINEERING

Omrani khiabanian, Hossein
(24-151-87)

DEGREES EVALUATED

Institution/Degree	Country	Language	Courses
University of Tabriz / Associates in Technician of Civil - Concrete Buildings 09/01/2009 — 09/01/2011	—	Persian (Farsi)	28
University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering 09/01/2011 — 07/01/2013	Iran	Persian (Farsi)	29
Sahand University of Technology / Masters in Civil Engineering - Geotechnical 08/01/2013 — 11/01/2016	Iran	Persian (Farsi)	4

COMPARABILITY SUMMARY

Outcome: Equivalent

Area	Hours	Deficiency
Math/Science	34 / 32	None
Engineering	50 / 48	None
General Education	21 / 12	None
Elective/Other	41 / N/A	None

MATH/SCIENCE

Specified Criteria Hours: 32

Course	Institution/Degree	U.S. Credits
Advanced Engineering Mathematics	Sahand University of Technology / Masters in Civil Engineering - Geotechnical	3
Calculus I	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	2
Calculus II	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	3
Chemistry	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	2
Differential Equations	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	2
Finite Element Method	Sahand University of Technology / Masters in Civil Engineering - Geotechnical	3
Geology	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	3
Mechanics	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	4
Numerical Analysis	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	2
Physics	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	4
Statistics	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	2
Strength of Materials	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	4
	Total semester credit hours earned:	**34.00**

Specified Criteria Hours: 48

Course	Institution/Degree	U.S. Credits
Advanced Soil Mechanics	Sahand University of Technology / Masters in Civil Engineering - Geotechnical	3
Architectural Design	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	1
Behavior of Reinforced Concrete Members	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	2
Building Installations	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	3
Concrete Repair	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	1
Concrete Structures I	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	2
Concrete Structures II	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	3
Concrete Technology	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	4
Design of Concrete Structure	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	3
Foundation Design	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	2
Loading	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	1
Machine Elements	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	3
Prestressed Concrete	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	3
Reinforced Concrete Structures	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	4
Soil Dynamics	Sahand University of Technology / Masters in Civil Engineering - Geotechnical	3
Soil Mechanics I	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	2
Soil Mechanics II	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	3
Steel Structures	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	4
Structural Analysis	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	3
	Total semester credit hours earned:	**50.00**

GENERAL EDUCATION

Specified Criteria Hours: 12

Course	Institution/Degree	U.S. Credits
English	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	3
Ethics	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	2
Family Planning & Health	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	1
Islamic History	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	2
Islamic Revolution	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	2
Islamic Thought I	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	2
Islamic Thought II	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	2
Persian Language	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	3
Quran Studies	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	2
Technical English	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	2
	Total semester credit hours earned:	**21.00**

ELECTIVE/OTHER

Specified Criteria Hours: N/A

Course	Institution/Degree	U.S. Credits
Architecture	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	2
Building Design	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	3
Building Elements Technology	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	3
Computer Programming	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	2
Construction Machinery	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	2
Construction Management	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	2
Construction Materials	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	3
Construction Site Management	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	2
Construction Sites	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	3
Cost Estimating	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	2
Drafting	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	2
Equipment	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	2
Industrial Hygiene	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	1
Internship	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	2
Labor Laws	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	1
Mold Design	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	2
Software	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	1
Surveying	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	3
Technical Drawing	University of Tabriz / Associates in Technician of Civil - Concrete Buildings	2
Welding	University of Mohaghegh Ardabili / Bachelors in Building Technology Engineering	1
	Total semester credit hours earned:	**41.00**

Total Semester Credit Hours Earned: 146

PROCESS DESCRIPTION

All education is compared to the NCEES Engineering Education Standard

The evaluation of your academic studies has been prepared to provide engineering and surveying licensing boards with the required assessment of foreign qualifications to facilitate them in determining if you qualify for licensure examination. This is an advisory report prepared based on records received and verified by the institutions issuing the degrees or qualifications. Eligibility to take the examination is determined by the licensing boards.

This report does not include the assessment of written and oral communication skills, computer skills, the quality of laboratory or field work, and the scope of design experience, which require an onsite review. Academic records (such as transcripts and catalogs) do not document qualitative factors and practical constraints to desirable outcomes.

NCEES houses a library of reference materials from around the world. These references are used for the completion of evaluations in conjunction with the NCEES Engineering Education Standard.

CHRISTOPHER PEREZ (13-572-74)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
06/01/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
11 years, 2 months

Total Engineering Experience
11 years, 2 months

Experience under licensed engineer
11 years, 2 months

Disciplinary Action
None reported

EDUCATION

Bachelors in Civil Engineering (EAC)
University of Nevada, Reno
August 2007–December 2012

EXAMS

Fundamentals of Engineering (FE)
Nevada
October 2013

Principles and Practice of Engineering (PE)
Civil
Nevada
March 2026

LICENSES

Additional Licenses
None

WORK EXPERIENCE

Slater Hanifan Group/Westwood Professional Services
Nevada (United States)
Graduate Engineer
March 2015—May 2019

Verified by
Timothy Michael Mulrooney
tim.mulrooney@westwoodps.com

Experience Summary
Full-Time
Engineering: 4 years, 2 months
Post EAC degree: 4 years, 2 months
Experience under licensed engineer: 4 years, 2 months

TASKS

Slater Hanifan Group (2015-2018) was purchased by Westwood Professional Services (2018-2019).

As a Computer Aided Design (CAD) Technician, I regularly used AutoCAD Civil 3D (AutoCAD) program. I helped and create site layouts, plot plans, and masterplan exhibits for residential developers for master plan communities. I was introduced to preparing civil improvement plans by addressing comments from local entities and agencies while familiarizing myself with development codes. I prepared hand revisions on mylars or revisions in AutoCAD for approved civil plans.

As an Engineer Intern and Graduate Engineer, I was involved with the design aspects of preparing civil improvement plans, specifically for residential subdivisions. From preparing quantities and estimates to preparing preliminary grading, site and utility layouts, I would ensure that the project would comply to agency codes and development standards . I utilized AutoCAD to create cross section details for streets and specific locations that were critical for construction. I would prepare sewer, water, and storm drain designs and layouts for residential streets. I would grade site layouts for the residential projects to meet minimum slope requirements and positive drainage for residential streets and subdivision lots. I would coordinate with our drainage team to ensure that the storm drain pipes and sizes of area and drop inlets for drainage studies so that the project can move forward with civil plans. I would review and make sure that there was adequate quality assurance and quality control when finalizing the plans before agency submittals. I would work and coordinate with local agencies to verify and make sure their redlines and comments are addressed.

REPRESENTATIVE PROJECTS

Tule Springs Infrastructure Plans (2016-2018)
I designed utility layouts and prepared multiple design and mylar revisions. Revisions included storm drain stubs, storm drain and sewer manhole locations, water pipe stubs locations, streetlight locations, and sidewalk redesign. I would verify that the utility stubs matched with the residential projects for this master plan community.

Tule Springs Residential Projects (2016-2018)- Parcel 3.06 (101 lots) and Parcel 3.05 (110 lots) (2016-2018)
I designed the utility layouts for the above residential subdivisions as part of the Tule Springs Village 3 master plan community in North Las Vegas, Nevada. I verified that the individual lot grading would drain properly from the high point elevation and would adjust if needed. City of North Las Vegas (CNLV) incorporates local agency standards using the Uniform Design and Construction Standards (UDACS) for water systems and Design and Construction Standards for Wastewater Collection Systems (DCSWCS) for storm drain and sewer systems. I would meet vertical and horizontal separation requirements within the roads of the subdivision. I would address agency redlines which included coordination with reviewers, updates to water, sewer, and storm drain design, and any other conflicts that resulted from agency redlines. I prepared roadway, utility, plan and profiles, and the traffic sheets associated with the plans using AutoCAD.

Skye Canyon Parcel 2.15 Phase 2 (41 Lots) and Skye Canyon Parcel 2.21B (120 Lots)
(2017-2019)
I designed the above project located in the City of Las Vegas (CLV) jurisdiction. I used AutoCAD to grade and prepare entitlement packages for this project. From entitlements to the civil improvements, I used the AutoCAD program. I used the program to grade and prepare the individual sheets of the plans. I prepared the grading, plan and profiles, utility, and traffic sheets. I used AutoCAD to lay out utilities and verify that they met agency and design standards.

Canyons at MacDonald Ranch - Parcel H (82 Lots) (2018-2019)
I designed the above residential subdivision with the Canyons community in Henderson, Nevada. I used AutoCAD to prepare

multiple residential subdivision layouts until one was chosen from the client. This included street width layouts, utility layouts, and preliminary grading. Once a layout was prepared, I proceeded with entitlements to get the project on the City of Henderson (COH) council for the residential project approval which included tentative maps, street and utility cross sections, preliminary grading, and miscellaneous exhibits that were required from the client. Once this was approved, I would coordinate with the surveyors from Wallace Morris Kline Surveying (WMK) to get started with the process of recording the Final Map.

I prepared all the sheets (grading, plan and profiles, utility, traffic, etc) for the civil improvement plan set with AutoCAD. I used AutoCAD to grade the site which is surrounded by mountainous area which made the road grades steep and also planned for rockery walls in lieu of retaining walls. With steep road grades, the low side of the driveway slopes would be steep. The solution for this was to add a step in the garage to lower the elevation to combat the grade of the driveway.

I made sure that I was following local agency standards (COH Title 19 Development Code) and their addendum to the local standards from the Uniform Design and Construction Standards (UDACS) for water systems and Design and Construction Standards for Wastewater Collection Systems (DCSWCS) for storm drain and sewer systems. I coordinated and verified our storm drain system that the correct sizing of the pipes and drop inlets would handle the correct amount of flow. The point of connection for the storm drain and sewer was through a drainage easement in an established community. Because of the size of the easement, there needed to be mitigation on the sewer pipe per DCSWCS. I coordinated and verified with the water network analysis to make sure that the correct sizing of water pipes were used. I prepared the roadway and utility profiles and made sure that there was enough separation from finished grade and between each of the utilities, vertically and horizontally.

WORK EXPERIENCE

VTN Nevada
Nevada (United States)
Associate Engineer
May 2019—May 2022

Verified by
Daryn Michael Ohta
dohta@LasVegasNevada.GOV

Experience Summary
Full-Time
Engineering: 3 years
Post EAC degree: 3 years
Experience under licensed engineer: 3 years

TASKS

As an Associate Engineer, I was involved with the design aspects of preparing civil improvement plans, specifically for masterplan and residential subdivisions. I would ensure that the projects would comply to agency codes and development standards . I would research and due-diligence for projects that were surrounded by existing development through topography from the company's survey crew and field visits. I utilized AutoCAD to check for quantities and design for wet utilities such as water, sewer, and storm drain systems. I would verify grading within roadways and subdivision lots. I would coordinate with our drainage team to ensure that the storm drain pipes and sizes of area and drop inlets for drainage studies and civil improvements. I would review and make sure that there was adequate reviews when finalizing the plans before agency submittals. I would work and coordinate with local agencies to verify and make sure their redlines and comments were addressed.

REPRESENTATIVE PROJECTS

Summerlin West Village 21 Carriage Hill Drive – Redpoint to Sky Vista (0.4 miles), Summerlin West Village 21 Desert Foothills Drive – Redpoint to Sky Vista (0.3 miles), Summerlin West Village 21 - Summerlin Parkway Extension (1.5 miles), Summerlin West Village 22 Kettle Bend Road – Sunset Run Drive to Kestrel Creek Avenue 22 Infrastructure (0.8 miles) (2019-2022)
The above projects are in the City of Las Vegas (CLV) jurisdiction and the infrastructure was for a master plan community in the Northwest of Las Vegas. Each of the projects listed had tie in points to one another. I designed the storm drain boxes and pipes, sewer and water pipes along long stretches of roads and for future tie ins for planned commercial and residential subdivisions. I used AutoCAD to check and prepare the individual sheets of the plans. I prepared the roadway plan and profiles, utility, and traffic sheets. I verified that it met the Uniform Design and Construction Standards (UDACS) for water systems and Design and Construction Standards for Wastewater Collection Systems (DCSWCS) for storm drain and sewer systems. I would comply with the Manual on Uniform Traffic Control Devices (MUTCD) for intersection signalizing, signage, and roadway striping. I would assist in traffic counts and volume projects for traffic studies. Due to on-going coordination with multiple home builders, revisions to the plans needed to be made once the civil improvements were approved. Update grading and vertical curve roadway design, revise sewer stub locations, streetlight locations, utility easements, revise waterpipe material for mitigation, and removing parcel entries were revisions I redesigned and prepared.

Summerlin West Village 25 Grand Park Detention Basin Inlet Pipe (+/-2.5 miles) (2020-2021)
The above project is in the City of Las Vegas (CLV) jurisdiction in the Northwest of Las Vegas. I coordinated and designed the alignment and layout of a 100 year storm drain system for future roadway and future parcel developments for the Summerlin West projects. I used AutoCad to create and design the storm drain system, profiles, and verify box and pipe slopes. The storm drain was designed to be at a conservative elevation from the designed rough grading of the road. Vertical and horizontal separation was taken into account for when future sewer and water lines would eventually be installed. Where the storm drain system would cross the projected waterline, the storm drain pipe material was updated to be PVC instead of reinforced concrete to meet the Uniform Design and Construction Standards (UDACS) to meet proper mitigation. Coordination with the Las Vegas Valley Water District (LVVWD) was needed to make sure it that their future facilities had adequate spacing and clearance.

Sync Apartments (9.4 Acres) (2020-2021)
The above project is in the City of North Las Vegas (CNLV) jurisdiction and located near a community known as Aliante. I prepared the utility and traffic sheets for this apartment complex using AutoCAD. I designed the water system and verified that the fire connections matched with the locations of the architectural drawings of the apartment. I verified that the fire connections and fire hydrant locations followed CNLV Title 17 development code and satisfied CNLV Fire Department. The point of connections were off the adjacent arterial street where a bypass line needed to be designed so that services would not disrupt the nearby local businesses and residential homes. I verified that design met agency and design standards.

Clark County Water Reclamation District (CCWRD) – East Campus Facilities (+/-32 acres) (2021-2022)

The above referenced project is located in Clark County jurisdiction in Las Vegas, Nevada, past the Las Vegas Wash. For this CCWRD project, my company was hired as a subconsultant to prepare grading and restoration plans for when their old treatment facilities and parts of their onsite treatment facilities, were scheduled to be demolished. I designed the restoration and prepared the grading sheets using AutoCAD. An access road needed to be designed to the East Campus for where the construction equipment and vehicles would need to have access to the site. Volumes of soil import were calculated and accounted for to fill the empty sedimentation tanks and other treatment facilities once the electrical and old piping were removed. The type of restoration material was determined by CCWRD.

WORK EXPERIENCE

City of Las Vegas
Nevada (United States)
Senior Engineering Associate
May 2022—May 2026

Verified by
Lyle M Wilcox
lwilcox@lasvegasnevada.gov

Experience Summary
Full-Time
Engineering: 4 years
Post EAC degree: 4 years
Experience under licensed engineer: 4 years

TASKS

As an Engineering Associate and Senior Engineering Associate, I prepare and review applications, plans, drawings, and specifications to ensure compliance with engineering standards and applicable entity codes and regulations for the City of Las Vegas (CLV) Public Works Department for our Capital Improvement Projects. I coordinate with project managers, CLV departments, utility companies, and other entities. I review and verify engineering quantities and cost estimates prepared by engineering consultants. I review offsite plans, utility documents, preliminary submittals surrounding our capital improvement projects to identify conflicts. I attend various meetings throughout the lifecycle of the roadways projects. I utilize AutoCAD to prepare exhibits, update CLV drawings, and verify drawing submittals are to CLV standards. I maintain project input and capital improvement projects plans database.

REPRESENTATIVE PROJECTS

California Avenue – Commerce Street to 3rd Street (0.2 miles) (2022), Pinto Lane – Rancho Drive to Shadow Lane (0.4 miles) (2022-2023), Casino Center Boulevard – Wyoming Avenue to California Avenue (0.4 miles) (2022-2023)

The completed roadway projects are located in the Arts and Medical District located in and near the downtown area of Las Vegas, Nevada. These projects included widening of sidewalks, addition of parking spaces, restriping, new signage, new streetlights, traffic signal and cabinet installations, undergrounding overhead facilities, and new tree installations. I reviewed plans, cost estimates, and special provisions produced by our consultant. I made sure that the roadway was graded properly and verified that the underground utilities do not conflict with the civil plans. I reviewed the plans for design and verified that they are compliant with CLV (City of Las Vegas) development codes and any other coordination items that were involved utility companies, property owners, or other CLV departments.

I would attend regular scheduled meetings with CLV construction project managers, contractors, and local utility representatives. During construction, I would coordinate any information needed by the general contractors and their subcontractors.

Colorado Avenue – Commerce Street to 3rd Street (0.2 miles) (2022-Present), Wyoming Ave – Industrial Road to Las Vegas Boulevard (0.4 miles) (2022-Present), Oakey Boulevard – Main Street to Las Vegas Boulevard (0.1 miles) (2022-Present), Rancho Drive – Charleston Avenue to Mesquite Avenue (1 mile) (2022-Present), Oakey Boulevard – Rancho Drive to Martin Luther King Boulevard (0.4 miles) (2022-Present), Imperial Avenue – Commerce Street to 3rd Street (0.2 miles) (2024-Present), Charleston Underpass – Grand Central Parkway to Commerce Street (0.2 miles) (2024-Present), Bonanza Road – Martin Luther King Boulevard to D Street (0.8 miles) (2025-Present), F Street – Washington Avenue to Owens Ave (0.5 miles) (2025-Present)

The projects are located in the Arts District and downtown area located in Las Vegas, Nevada. The projects vary in size and are in different stages and phases of design. They range from kickoff meetings, pre-design and reviewing alternate roadway layouts to reviewing civil improvement plans and bid documents at 30%, 70%, 100%, pre-final and bid set stages. The design improvements for the roadways projects include widening of sidewalks, addition of parking spaces, restriping, new signage, new streetlights, undergrounding overhead facilities (where possible), traffic and lighting upgrades, wet utility improvements, and tree installations.

I review and redline all civil plans and bid documents associated with each project. I also review feasibility and cost estimates, and special provisions produced by our consultant. I attend scheduled meetings with the consultant at all stages of the project and any coordination meetings we need with other agencies and utility companies.

Rancho Drive – Sahara Avenue to Charleston Avenue (Phase 1) (1 mile) (2022-Present)

This project was originally part of a 2 mile roadway project but was later decided to be broken into two phases. Improvements include new streetlights, signage and striping, widening sidewalks, traffic signal upgrades, undergrounding overhead facilities, sewer manhole replacements, adding storm drain facilities, and tree installations. This project also includes an offsite roadway (Rancho Lane) alignment to match or intersect into an existing medical facility road and its entrances. These road improvements are also adjacent to an ongoing park project. This Rancho Drive project is providing storm drain and water stubs for the park's utility connections.

I reviewed plans, cost estimates, special provisions, and miscellaneous exhibits produced by our consultant at all submittal stages. I designed sight visibility exhibits to verify new wall and streetlight locations for driveway improvements. I coordinated with our CLV Right-of-Way team to make sure we have the proper documentation such as utility easements, Temporary Construction Easements, or Access to Enter Property documents from surrounding properties. I attended coordination meetings with utility companies and the engineering consultant to go through undergrounding their overhead facilities to avoid and resolve any conflicts or issues.

This project is currently in construction. I attend the bi-weekly meetings that are set up to go over this project and the adjacent park project with construction management and contractors. I coordinate any items needed for the general contractors and their subcontractors.

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
January 2013	February 2015	I graduated towards the end of the recession but was able to study and pass the FE exam. I worked in a deli department at Sprouts but went back to school for AutoCAD training before starting my engineering career.

BINITA SHRESTHA (21-274-50)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/18/2026

Citizenship
Nepal

SUMMARY

Engineering Experience after EAC degree

Total Engineering Experience
4 years, 10 months

Experience under licensed engineer
4 years, 10 months

Disciplinary Action
None reported

EDUCATION

Meets NCEES Engineering Education Standard

Bachelors in Civil Engineering
Tribhuvan University
November 2013–December 2018

Masters in Civil & Environmental Engineering
University of Nevada, Las Vegas
August 2019–May 2021

Masters in Computer Science (In progress)
Campbellsville University
June 2024–July 2026

EXAMS

Fundamentals of Engineering (FE)
Nevada
July 2021

Principles and Practice of Engineering (PE)
Civil
Nevada
March 2026

LICENSES

Additional Licenses
None

BINITA SHRESTHA (21-274-50)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Towa Engineering Nepal Pvt Ltd.
Bāgmatī (Nepal)
Auto CAD Draftsman
December 2018—May 2019

Verified by
Binita Shrestha (Self)

Experience Summary
Full-Time
Engineering: (0%)
Experience under licensed engineer: None

TASKS

Prepared and reviewed assembly and detailed drawings of steel bridge components using AutoCAD based on engineering design specifications and calculations. Interpreted structural design drawings and translated them into accurate fabrication and construction drawings, ensuring proper dimensions, tolerances, and detailing. Coordinated with seniors to clarify design intent, incorporate revisions, and resolve discrepancies in drawings.

REPRESENTATIVE PROJECTS

During my time as an AutoCAD Draftsman, I demonstrated progressive development from initial training to independently preparing and reviewing detailed engineering drawings for steel bridge components. I was first trained in company drafting standards, detailing practices, and interpretation of structural design drawings. Following this, I independently produced assembly and detail drawings, ensuring accuracy, consistency, and compliance with project specifications.

As my experience progressed, I was responsible for identifying discrepancies, maintaining drawing accuracy, and coordinating revisions with seniors to ensure adherence to engineering requirements.

WORK EXPERIENCE

Waggoner Engineering Inc.
Mississippi (United States)
H&H Engineer II
July 2021—May 2026

Verified by
Honghong Wei
maggie.wei@waggonereng.com

Experience Summary
Full-Time
Engineering: 4 years, 10 months
Experience under licensed engineer: 4 years, 10 months

TASKS

Responsible for providing Hydrologic and Hydraulic (H&H) modeling using various software programs. Provides quality planning, and technical overview to assist Project Manager/Supervisor in delivering the project, within budgetary and time constraints. Additional duties include the following: provides design and engineering assistance to other project team members, performs engineering analyses and evaluations (primarily computer-based) in support of the planning and design of civil works projects, including but not limited to the areas of bridge hydraulics, flood hazard mapping, hydrologic analysis, hydraulic modeling (1D/2D/combined), and scour analysis. Maintains and documents communication with clients through letters and telephone throughout the development and completion of a project. Conducts internal quality assurance of work completed and monitors timeliness of project completion. Attends meetings on project management. Assists Project Managers with any administrative duties concerning completion of assigned project where applicable. Maintains project file and assists Supervisor in preparation of engineering studies and reports. Provides technical guidance and training to junior members of the project team. Assists Supervisor in assuring quality control procedures are performed. Assist in preparation of project drawings. Performs necessary code research. Responsible for the accuracy of assigned segment of the work. Responsible for adherence to all applicable codes.

REPRESENTATIVE PROJECTS

1) FEMA Risk MAP Studies: Yocona and Little Tallahatchie (Mississippi)
2021-2023
As a project engineer supporting a FEMA Coordinating Technical Partner (CTP) I was responsible for updating FEMA floodplain maps. I developed 1D HEC-RAS models for over 100 miles of study streams for communities throughout Mississippi within the HUC-8 watersheds. I collected current and historic statistical flood data and identified areas of flood risk within communities during Discovery phase. I analyzed watershed hydrology using regional regression equations to estimate flow inputs. I addressed external QAQC comments to enhance the models. I produced water surface elevation and inundation depth grids for the mapping team. My work will directly support in updating various county-wide Flood Insurance Study (FIS) reports.

2) Base Level Engineering (BLE) – 10 HUC8 Watersheds, Mississippi | 2022–2025
Mississippi Department of Environmental Quality (MDEQ) / Funded by FEMA
As a project engineer on this FEMA-funded statewide flood mapping initiative, I developed two-dimensional HEC-RAS models for 10 HUC8 watersheds across Mississippi to establish baseline flood hazard. I processed and integrated NLCD land cover and SSURGO soil datasets within RAS Mapper to create a spatially varying infiltration layer for excess rainfall computation. I incorporated breaklines and storage area/2D connections to refine 2D mesh while using high resolution terrain data as elevation source. I calibrated model results against available USGS gage data. I evaluated model outputs and generated water surface elevation and depth grids for flood hazard mapping for Discovery phase. I prepared technical reports as project deliverables.

3) Dam Safety Inundation Mapping – 21 Dams, Statewide, Mississippi | 2022–2022
Mississippi Department of Environmental Quality (MDEQ)
This project involved dam breach modeling and inundation mapping for 21 dams across Mississippi, commissioned by MDEQ, with dam storage capacities ranging from 11.5 acre-feet to 4,610 acre-feet. I developed combined 1D/2D HEC-RAS breach models for each dam, incorporating terrain data from best-available LiDAR, 2018 Microsoft building footprints, and MDOT road centerline data provided by MDEQ. I performed sunny-day breach analyses to evaluate downstream flood impacts. I extracted hydraulic results and provided model outputs to the GIS team for inundation map production. I also identified roads susceptible to more than 1 foot of flooding during breach events and recommended these for inclusion in EAP documentation.

4) Federal Flood Risk Management Standard (FFRMS) – Zone 2, 16 Counties (MS, AL, NC) | 2023–2024
This project involved developing FFRMS floodplain data for FEMA Region IV under the Compass PTS Joint Venture, for which my company served as a subcontractor. I used digital effective National Flood Hazard Layer (NFHL) data to delineate FFRMS floodplain boundaries for 1D riverine streams across assigned counties. I manipulated cross-section data using engineering

judgment to extend flood depth coverage in accordance with FFRMS methodology. I produced seven required deliverables per county, including FVA +0 through +3 inundation rasters, 0.2% annual chance water surface elevation rasters, 0.2% annual chance floodplain boundaries, Area of Interest (AOI) polygons identifying locations with unreliable results or areas requiring more complex analysis, and completed QC checklists. I maintained communication with state leads and promptly addressed QC review comments throughout the project.

5) SR 7 Bridge Replacement (Phase I) – Bridge No. 57.4, Grenada County, Mississippi l 2024 – Feb 2026
Mississippi Department of Transportation (MDOT)
This project involves the Phase I hydraulic analysis and design recommendation for the replacement of Bridge No. 57.4. I developed a two-dimensional SRH-2D hydraulic model for the bridge site, including creating and refining the computational mesh, adding bridge pier geometry, and defining boundary conditions. I incorporated survey data with the latest LiDAR-derived terrain to establish the elevation source for the study site. I analyzed existing conditions, unconstrained channel conditions, and a conceptual bridge scenario. I performed an alternatives analysis to recommend an appropriate bridge opening size that meets backwater criteria, and collaborated with the bridge design team to finalize the conceptual bridge design. I also prepared technical reports as project deliverables for Phase I.

CREDENTIALS EVALUATION - ENGINEERING

Shrestha, Binita
(21-274-50)

DEGREES EVALUATED

Institution/Degree	Country	Language	Courses
Tribhuvan University / Bachelors in Civil Engineering 11/01/2013 — 12/01/2018	Nepal	English	50
University of Nevada, Las Vegas / Masters in Civil & Environmental Engineering 08/01/2019 — 05/01/2021	United States	English	1

COMPARABILITY SUMMARY

Outcome: Equivalent

Area	Hours	Deficiency
Math/Science	33 / 32	None
Engineering	88 / 48	None
General Education	13 / 12	None
Elective/Other	38 / N/A	None

MATH/SCIENCE

Specified Criteria Hours: 32

Course	Institution/Degree	U.S. Credits
Calculus I	Tribhuvan University / Bachelors in Civil Engineering	3.0
Calculus II	Tribhuvan University / Bachelors in Civil Engineering	3.0
Chemistry	Tribhuvan University / Bachelors in Civil Engineering	3.5
Differential Equations	Tribhuvan University / Bachelors in Civil Engineering	3.0
Engineering Geology I	Tribhuvan University / Bachelors in Civil Engineering	3.5
Engineering Geology II	Tribhuvan University / Bachelors in Civil Engineering	3.5
Numerical Methods	Tribhuvan University / Bachelors in Civil Engineering	3.5
Physics	Tribhuvan University / Bachelors in Civil Engineering	3.5
Probability & Statistics	Tribhuvan University / Bachelors in Civil Engineering	3.0
Statics	Tribhuvan University / Bachelors in Civil Engineering	3.0
	Total semester credit hours earned:	**32.50**

Specified Criteria Hours: 48

Course	Institution/Degree	U.S. Credits
Bridge Design	Tribhuvan University / Bachelors in Civil Engineering	3.5
Concrete & Masonry Structures	Tribhuvan University / Bachelors in Civil Engineering	3.5
Dynamics	Tribhuvan University / Bachelors in Civil Engineering	3.0
Electrical Engineering	Tribhuvan University / Bachelors in Civil Engineering	3.5
Electronic Engineering	Tribhuvan University / Bachelors in Civil Engineering	3.5
Engineering Economics	Tribhuvan University / Bachelors in Civil Engineering	3.0
Engineering Project	Tribhuvan University / Bachelors in Civil Engineering	6.0
Fluid Mechanics	Tribhuvan University / Bachelors in Civil Engineering	3.5
Foundation Engineering	Tribhuvan University / Bachelors in Civil Engineering	3.5
Hydraulics	Tribhuvan University / Bachelors in Civil Engineering	3.5
Hydrology	Tribhuvan University / Bachelors in Civil Engineering	3.5
Hydropower Engineering	Tribhuvan University / Bachelors in Civil Engineering	3.5
Irrigation & Drainage Networks	Tribhuvan University / Bachelors in Civil Engineering	3.0
Reinforced Concrete Structures Design	Tribhuvan University / Bachelors in Civil Engineering	3.5
Sanitary Engineering	Tribhuvan University / Bachelors in Civil Engineering	3.0
Soil Mechanics	Tribhuvan University / Bachelors in Civil Engineering	3.5
Steel & Timber Structures	Tribhuvan University / Bachelors in Civil Engineering	3.0
Strength of Materials	Tribhuvan University / Bachelors in Civil Engineering	3.5
Suspension Bridges	Tribhuvan University / Bachelors in Civil Engineering	3.5
Theory of Structures I	Tribhuvan University / Bachelors in Civil Engineering	3.5
Theory of Structures II	Tribhuvan University / Bachelors in Civil Engineering	3.5
Thermodynamics & Heat Transfer	Tribhuvan University / Bachelors in Civil Engineering	3.5
Transportation Engineering I	Tribhuvan University / Bachelors in Civil Engineering	3.5
Transportation Engineering II	Tribhuvan University / Bachelors in Civil Engineering	3.5
Water Supply Engineering	Tribhuvan University / Bachelors in Civil Engineering	3.5
	Total semester credit hours earned:	**87.50**

GENERAL EDUCATION

Specified Criteria Hours: 12

Course	Institution/Degree	U.S. Credits
English	Tribhuvan University / Bachelors in Civil Engineering	3.5
Professional Ethics for Engineering	Tribhuvan University / Bachelors in Civil Engineering	3.0
Professional Studies & Skills	University of Nevada, Las Vegas / Masters in Civil & Environmental Engineering	3.0
Technology, Environment & Society	Tribhuvan University / Bachelors in Civil Engineering	3.0
	Total semester credit hours earned:	**12.50**

ELECTIVE/OTHER

Specified Criteria Hours: N/A

Course	Institution/Degree	U.S. Credits
Building Drawing	Tribhuvan University / Bachelors in Civil Engineering	2.0
Building Technology	Tribhuvan University / Bachelors in Civil Engineering	3.0
Computer Methods	Tribhuvan University / Bachelors in Civil Engineering	3.0
Computer Programming	Tribhuvan University / Bachelors in Civil Engineering	3.5
Construction Management	Tribhuvan University / Bachelors in Civil Engineering	3.0
Cost Estimating	Tribhuvan University / Bachelors in Civil Engineering	3.0
Engineering Drawing	Tribhuvan University / Bachelors in Civil Engineering	2.0
Engineering Materials	Tribhuvan University / Bachelors in Civil Engineering	3.5
GIS Applications	Tribhuvan University / Bachelors in Civil Engineering	3.5
Surveying I	Tribhuvan University / Bachelors in Civil Engineering	3.5
Surveying II	Tribhuvan University / Bachelors in Civil Engineering	4.5
Workshop Technology	Tribhuvan University / Bachelors in Civil Engineering	3.5
	Total semester credit hours earned:	**38.00**

Total Semester Credit Hours Earned: 172

PROCESS DESCRIPTION

All education is compared to the NCEES Engineering Education Standard

The evaluation of your academic studies has been prepared to provide engineering and surveying licensing boards with the required assessment of foreign qualifications to facilitate them in determining if you qualify for licensure examination. This is an advisory report prepared based on records received and verified by the institutions issuing the degrees or qualifications. Eligibility to take the examination is determined by the licensing boards.

This report does not include the assessment of written and oral communication skills, computer skills, the quality of laboratory or field work, and the scope of design experience, which require an onsite review. Academic records (such as transcripts and catalogs) do not document qualitative factors and practical constraints to desirable outcomes.

NCEES houses a library of reference materials from around the world. These references are used for the completion of evaluations in conjunction with the NCEES Engineering Education Standard.

HECTOR ALEJANDRO SILVA PALAFOX (22-590-16)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
06/01/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
4 years

Total Engineering Experience
4 years

Experience under licensed engineer
4 years

Other Experience

Disciplinary Action
None reported

EDUCATION

Associates in Science
Truckee Meadows Community College
January 2016–August 2019

Bachelors in Civil Engineering (EAC)
University of Nevada, Reno
January 2019–May 2022

EXAMS

Fundamentals of Engineering (FE)
Nevada
October 2022

Principles and Practice of Engineering (PE)
Civil
Nevada
February 2025

LICENSES

Additional Licenses
None

HECTOR ALEJANDRO SILVA PALAFOX (22-590-16)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

NowFoods
Nevada (United States)
Machine Operator
May 2016—March 2021

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

HECTOR ALEJANDRO SILVA PALAFOX (22-590-16)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Kimley-Horn
Nevada (United States)
Civil Analyst
June 2022—June 2026

Verified by
Douglas Alan Del Porto
Doug.DelPorto@kimley-horn.com

Experience Summary
Full-Time
Engineering: 4 years
Post EAC degree: 4 years
Experience under licensed engineer: 4 years

TASKS

Description of Engineering Tasks & Duties:
-Performed grading to maintain minimum and maximum slopes for roadways, sidewalks, landscape areas, ADA ramps, roundabouts, and parking lots to ensure proper drainage while maintaining drivers' comfort.
-Designed storm drain systems to convey water runoff to existing storm drain systems by relocating existing catch basins or installing new ones with proposed manholes.
-Designed detention ponds and systems to mitigate increased runoff to convey 5,25 and 100-year storm events.
-Designed sanitary sewer systems to convey building flows to existing infrastructure.
-Designed private and public roadways while ensuring the design followed standards to meet city or state codes. The design considered the alignment geometry, sidewalks, shoulders, lane widths, bike lanes, medians, turn pockets, traffic signal improvements, signage, guardrail design, vertical curves, and horizontal curves.
-Prepared Opinion of Probable Costs (OPC), which consisted of obtaining quantities and unit prices.
-Prepared design drawings, which consisted of the following plans: horizontal control, demolition, construction, striping, signage, drainage, grading, sight distance, and truck turn movements.
-Provided construction administration and inspection services, which consisted of reviewing requests for information (RFIs), submittals, end-of-month invoices, change orders, and on-site inspections.
-Provided design solutions to contractors regarding drainage, grading, striping, and reviewed traffic control plans.

REPRESENTATIVE PROJECTS

Projects:
-Mammoth MUP, Mammoth Lakes, CA (2022-2026)
I designed a 1.4-mile-long multi-use path (MUP) with ADA ramps at each street crossing, striping, a V-Ditch along one side, horizontal alignment, surface profiles, grading for the multi-use path (MUP), and existing fire hydrant relocation to accommodate the MUP. I re-designed the existing roadway striping due to R/W constraints while keeping existing driveway accesses, and I deleted designated turn pockets since the road had a low speed and high visibility. Additionally, I currently coordinate with the client weekly since the project is under construction, and I issue requests for information responses.

-RTA Terminal Loop Road, Reno, NV (2022-2024)
I prepared design drawings consisting of demolition, construction, striping, signage, and drainage plans for a road used for drop-off/pick-up in front of the Reno-Tahoe airport by following City of Reno/airport standards. I conducted site visits to ensure the survey included all existing conditions and information. I designed storm drain systems to convey runoff to existing storm drain systems, and I created profiles showing detailed information. I prepared an Opinion of Probable Costs (OPC) to ensure the client had an accurate cost.

-Spot 10 Roundabout, Reno, NV (2022-2023)
I provided construction administration and inspection services. I reviewed pay applications, requests for information, and traffic control plans. I provided on-site inspection to ensure the contractor followed the specified construction notes and details for the redesign of an existing roundabout and the design of a 30-foot-tall retaining wall.

-Legends Roundabout, Sparks, NV (2023 - 2025)
The Regional Transportation Commission (RTC) wanted to redesign an existing roundabout to add more lanes while keeping costs low. I graded sidewalks, landscape areas, ADA ramps, Multi-use paths, median sidewalks, refuge islands, road transitions, and crown roads. I determined what could stay or needed to be demoed using value engineering per the grading and proposed improvements. I provided construction administration and on-site inspection to ensure the contractor followed the plans and

grades to meet the targeted project cost.

-Remedy Medical, Carson City, NV (2025)
I designed a detention pond, storm drain, and sewer system for a medical center consisting of a new parking lot and a building pad. I wrote a drainage report, which showed proposed and existing runoff conditions. I used the report to size a pond to convey the 5, 25, and 100-year storm events. I controlled the flows with a pipe having different orifices with specific diameters and a beehive grate at the top.

-Veterans Roundabout Modification, Reno, NV (2024-2026)
RTC wanted to redesign an existing roundabout to prevent the installation of signals and closure of an intersection to keep the project cost low. I graded the proposed redesign of the roundabout, and I determined what could stay or needed to be demoed using value engineering. I graded sidewalks, landscape areas, ADA ramps, Multi-use paths, median sidewalks, refuge islands, turn pockets, road transitions, and crown roads. I performed quality control revisions to peers to ensure the design did not contain flaws, and I communicated changes that impacted other teams, such as the electrical team or the drainage team. I ensured the project manager was aware of important decisions to ensure he concurred with my opinion.

-High T#2, Silver Springs, NV (2026)
A project site needed access to a 55 MPH road, and a T intersection was designed. I ensured the design met state standards and greenbook codes. I prepared design drawings consisting of demolition, construction, striping, signage, drainage, truck turn, and sight distance triangle plans. I reviewed the proposed grading and I provided revisions to ensure the design contained the required level of detail. I coordinated with other teams since the proposed intersection needed to align with another road, and the elevations needed to be exact. I designed a signalized intersection for another High T located next to the proposed one to accommodate new requirements. I designed storm drain systems to convey runoff, and I designed V Ditches with a rip rap layer that later connected to existing storm drain infrastructure. I determined the catch basin locations by using the rational method to ensure each catch basin was able to control the proposed flow. I designed the location and length of the guardrail needed due to grading concerns.

HECTOR ALEJANDRO SILVA PALAFOX (22-590-16)

All work experience reviewed by two licensed professionals

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
June 2015	December 2015	Arrived to the United States from Mexico and did not work until 2016

AUSTIN SMITH (15-151-72)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/19/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
8 years, 2 months

Total Engineering Experience
8 years, 2 months

Experience under licensed engineer
4 years, 11 months

Other Experience

Disciplinary Action
None reported

EDUCATION

Associates in Science
Western Wyoming Community College
September 2007–May 2009

Bachelors in Civil Engineering (EAC)
University of Wyoming
August 2010–May 2015

EXAMS

Fundamentals of Engineering (FE)
Wyoming
April 2017

Principles and Practice of Engineering (PE)
Civil
Nevada
April 2026

LICENSES

Additional Licenses
None

AUSTIN SMITH (15-151-72)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Twin City Outdoor Services
Minnesota (United States)
Snow removal Crew Lead
June 2014—January 2015

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

AUSTIN SMITH (15-151-72)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Apadana Engineering
Utah (United States)
Dump Man
May 2015—October 2015

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

WORK EXPERIENCE

Mega Diamond
Utah (United States)
Machinist
January 2017—March 2018

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

WORK EXPERIENCE

Nevada Department of Transportation
Nevada (United States)
STAFF 2, ASSOCIATE ENGINEER
March 2018—May 2026

Verified by
Jonathan Zuniega Samar
jsamar@dot.nv.gov

Experience Summary
Full-Time
Engineering: 8 years, 2 months
Post EAC degree: 8 years, 2 months
Experience under licensed engineer: 4 years, 11 months

TASKS

My roles at NDOT have included Engineering Technician III, Engineering Technician IV, and currently Staff II Associate Engineer. In these positions I worked contract administration, field inspection, surveying, office, and material testing/sampling.

I am currently responsible for initiating, preparing, and processing contract change orders; reviewing and organizing Requests for Information; and organizing and responding to contractor's submittals. I ensure compliance with contract plans and specifications through inspection of construction, materials sampling/testing, and oversight of field laboratory operations and personnel. This work is done both directly and indirectly through delegating and reviewing crew's work.

My responsibilities not only include progress output of my position's duties, but also analyzing and coaching crew to become efficient and knowledgeable. I teach NDOT procedures and policies and how to analyze technical data and situations.

Engineering decisions I have made include ones of constructability and ones stopping improper construction. Recently a water valve was at risk of being damaged during excavating for a soil cell. Understanding that the tree ring emitter, the tree, the soil cell, and all the decorative sidewalk finish work would still come together with an offset soil cell, I directed to keep it in its entirety and to shift it away from the water valve.

For safety, during I-80 bridge deck repairs, I had the contractor widen the traffic-controlled travel lane as to not bottleneck highspeed traffic. The crew felt safer keeping traffic farther away from their work zone and hadn't considered that at a point they were bottlenecking higher speed traffic and creating an unsafe situation.

I stopped the paving of incorrectly shaped v-ditch alongside I-80 and roadway paving due to insufficiently compacted base material.

REPRESENTATIVE PROJECTS

Slope Flattening and Mill & Overlay

Contract 3691 was from Churchill county line Easterly on highway 50 towards Austin NV.
The contract went from spring 2018 to fall 2018.
I surveyed and marked out cut & fill for slope flattening and project stationing. I worked with contractor operators to establish grade elevation with lazier level, story pole and grade stakes. I inspected various work, calling for tests and ensuring per plan and per specification build.

Constructing truck climbing lane, Slope stabilization, Slip form barrier rail, Mill & Overlay

Contract 3765 was from Moore interchange Easterly to just past Oasis interchange on I-80.
The contract was from spring 2019 through summer of 2020.
I ensured quality control of materials used on the contract as lead tester. I inspected the slipping of barrier rail and paving of the mill & overlay. I ran pull tests for the wire mesh slope stabilization.

Constructing truck climbing lanes and replace bridge I-889

Contract 3849 started East of Palisade exit extending Westerly past Emigrant exit on I-80.
The contract was from spring of 2021 through summer of 2022.
I inspected various items of work and was part of a team that demolished and reconstructed bridge I-889. I was the office engineer

and received, requested, organized, and keep up to date all contract documentation, payments and contract compliance.

Constructing truck climbing lane and repair of bridge deck

Contract 3936 started at Beowawe interchange and stretched Easterly 2.7 miles.
The contract was completed in the summers of 2023 and 2024.
I inspected and directed locations of bridge deck repairs and tracked/paid it via force account work. I also ensured proper traffic control and pollution prevention throughout the contract.

Replace structure B-452 with box culvert and place riprap scour protection around structure B-835 East and West bound piers

Contract 3924 was just East of Elburz exit on I-80.
The contract was completed from November 2022 to September 2024.
I inspected, posted payments, and reported daily on the construction of riprap scour protection and river diversion. I was also part of the team that planned, and placed the temporary detour for traffic over the North Fork Humboldt river while structure B-452 was replaced with box culverts.

Roadbed modification and updating utilities, sidewalks, and Landscaping

Contract 4527 is an ongoing project that started in March of 2025.
I am in charge of initiating, processing, and finalizing this contracts change orders and submittals. I manage crew to delegating work, teach, and assist with testing and inspecting all materials and operations.

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
May 2005	August 2007	I was enrolled into Northwestern Wyoming Community College. Credits transferred to Western Wyoming Community College for associates degree.
June 2009	July 2010	After receiving associates degree, I returned to Western Wyoming Community College for classes they offered towards Bachelors degree from University of Wyoming.
November 2015	December 2016	I lived in Mexico City learning Spanish and teaching English.

JENNA STONE (20-994-16)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/11/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
5 years, 10 months

Total Engineering Experience
5 years, 10 months

Experience under licensed engineer
5 years, 10 months

Disciplinary Action
None reported

EDUCATION

Bachelors in Civil Engineering (EAC)
University of Hawaii at Manoa
August 2015–December 2019

EXAMS

Fundamentals of Engineering (FE)
Hawaii
December 2025

Principles and Practice of Engineering (PE)
Civil
Nevada
March 2026

LICENSES

Additional Licenses
None

WORK EXPERIENCE

EnviroServices & Training Center, LLC
Hawaii (United States)
Civil Engineer
June 2020—June 2022

Verified by
Vijaya Lakshmi Tummala
vijaya.tummala@gmail.com

Experience Summary
Full-Time
Engineering: 2 years
Post EAC degree: 2 years
Experience under licensed engineer: 2 years

TASKS

I was hired as a Civil Engineer with an environmental focus. My primary involvement with the firm was an environmental small MS4 compliance contract with DOT Airports and a series of small, private clients. Below is an overview of my main task, the DOTA Airports contract.

Environmental Compliance Reviews – DOT Airports
External design and contracting firms prepared permit applications and construction-related documentation. In this role, I performed third-party compliance reviews on behalf of DOT–Airports for adherence to regulatory and project-specific requirements.

I performed independent engineering and regulatory compliance evaluations of construction documents and permit applications prepared by the project's awarded design group for additional work during construction. I reviewed NPDES Construction General Permit applications and verified compliance with Hawaii Department of Health Administrative Rules (HAR §11-55) and DOT Airports Storm Water Management Program (SWMP) criteria.

I evaluated surface and system drainage patterns to verify the identified outfalls and receiving water bodies and assessed whether additional measures were required for any impaired waters. I compared this information against DOTA drainage maps and the Clean Water Act Section 303(d) list. I also verified the total project disturbance area as calculated and reflected in project maps.

I analyzed erosion and sediment control plans (ESCPs), grading plans, and general civil sheets to determine whether the proposed best management practices (BMPs) would effectively control sediment transport and minimize pollutant discharge under site-specific conditions. I reviewed Stormwater Pollution Prevention Plans (SWPPP) for consistency with information presented. I exercised engineering judgment to identify gaps in erosion control strategies and recommended modifications to improve system effectiveness and ensure regulatory compliance.

Progression & Leadership:
I began by supporting document reviews under direct supervision

I advanced to independently conducting reviews with minimal revisions required

I ultimately served as the primary reviewer for all contract work, with final supervisory oversight

REPRESENTATIVE PROJECTS

DOT Airports
Honolulu, HI (HNL) & Kahului, HI (OGG)
Environmental Compliance Reviews

Representative Projects:

Honolulu, HI (HNL):

Consolidated Rental Car Facility (CONRAC)
Structure Type: Airport Support Facility
Dates of Involvement: May 2020–June 2020

Hawaii Authority for Rapid Transit (HART) High-Speed Transit Rail System
Transportation, transit rail
July 2020–Sep 2020

Shoulders Full-Depth Reconstruction Project
Taxiway demo and installation
October 2020 – February 2021

UST/AST Removals and Replacements
Airport support facilities
January 2021–March 2021

Taxiway A Reconstruction
Taxiway demo and installation
February 2021–May 2021

Runway 8L Replacement
Runway demo and installation
July 2021–October 2021

Holdrooms and Gate Improvements
Airport support facilities, building construction
October 2021–December 2021

MALSR Replacement
Runway lighting demo and installation
December 2021 – February 2022

2nd and 3rd Level Roadways, Phase 1
Ground transportation demo and installation
January 2022–March 2022

HFFC Airport Facility Improvements
Retrofit secondary containment installation and upgrades
January 2022–March 2022

Kahului, HI (OGG):

Operation & Maintenance of OGG Scalping Plant
Demo and installation of wastewater treatment plant
July 2020 – August 2020

Runway 2-20 Reconstruction
Runway demo and installation
April 2021- July 2021

For these projects, I completed the design review for this project. I reviewed the NPDES Construction General Permit application.

I evaluated surface and system drainage patterns to verify the identified outfalls and receiving water bodies. I also verified the total project disturbance area as calculated and reflected in the project maps.

Additionally, I analyzed erosion and sediment control plans (ESCPs), grading plans, and general civil sheets. I reviewed the Stormwater Pollution Prevention Plan (SWPPP).

Industrial Stormwater Pollution Prevention Plan (SWPPP)
Auto Repair Facility | Kahului, HI
Structure Type: Industrial / Automotive Service Facility
Dates of Involvement: January 2022-March 2022
I evaluated site conditions and identified pollutant sources associated with automotive repair operations, including fluids, materials

storage, and waste handling practices. I assessed potential pollutant exposure to stormwater and associated discharge risks.

I contributed to the development of the facility's Industrial SWPPP by selecting appropriate BMPs and documenting control measures to minimize pollutant discharge. I incorporated engineering and regulatory feedback to refine the plan and improve compliance prior to finalization.

Spill Prevention, Control, and Countermeasure (SPCC) Plan
Jet Fuel Transportation Facility | Kalaeloa, HI
February 2022 – March 2022

I conducted a detailed engineering assessment of a fuel storage and transfer facility to evaluate spill risk and regulatory applicability under 40 CFR Part 112. I quantified total oil storage capacity and evaluated secondary containment systems for compliance with federal requirements.

I analyzed facility operations, transfer procedures, and potential failure scenarios to identify pathways for oil discharge. Based on this analysis, I developed site-specific spill prevention and response measures.

I prepared the SPCC Plan, incorporating engineering controls and operational procedures designed to minimize spill risk and environmental impact, and revised the document based on technical review prior to final approval.

Industrial Stormwater Pollution Prevention Plan (SWPPP)
Commercial Transit Facility | Lihue, HI
February 2022-May 2022

I performed a site evaluation to identify pollutant sources, drainage patterns, and exposure risks associated with industrial activities. I analyzed site conditions and operational practices to determine potential impacts on stormwater quality.

I developed the facility's Industrial SWPPP in accordance with NPDES Multi-Sector General Permit requirements, selecting BMPs based on pollutant type, site layout, and exposure pathways. I designed inspection, monitoring, and maintenance procedures to ensure ongoing compliance.

I revised the plan based on technical feedback to improve clarity, regulatory alignment, and effectiveness of stormwater controls.

Spill Prevention, Control, and Countermeasure (SPCC) Plan
Jet Fuel Transportation Facility | OGG, HI
April 2022-May 2022

I conducted a detailed engineering assessment of a fuel storage and transfer facility to evaluate spill risk and regulatory applicability under 40 CFR Part 112. I quantified total oil storage capacity and evaluated secondary containment systems for compliance with federal requirements.

I analyzed facility operations, transfer procedures, and potential failure scenarios to identify pathways for oil discharge. Based on this analysis, I developed site-specific spill prevention and response measures.

I drafted the SPCC Plan, incorporating engineering controls and operational procedures designed to minimize spill risk and environmental impact, and revised the document based on technical review prior to final approval.

WORK EXPERIENCE

Haley & Aldrich, Inc.
Hawaii (United States)
Civil Engineer
July 2022—May 2026

Verified by
Kelsi Buts
kbuts@haleyaldrich.com

Experience Summary
Full-Time
Engineering: 3 years, 10 months
Post EAC degree: 3 years, 10 months
Experience under licensed engineer: 3 years, 10 months

TASKS

I performed independent engineering reviews of construction documents and permit applications to verify compliance with regulatory requirements, including the NPDES Construction General Permit, Hawaii Administrative Rules (HAR §11-55), and DOT Airports Storm Water Management Program criteria. I analyzed drainage patterns, disturbance areas, and project mapping to confirm accuracy of outfalls, receiving waters, and potential impacts to impaired water bodies in accordance with Clean Water Act Section 303(d). I evaluated erosion and sediment control plans, grading plans, and Stormwater Pollution Prevention Plans (SWPPPs) to assess the effectiveness of proposed best management practices (BMPs) and ensure consistency across design documents. I identified discrepancies, applied engineering judgment to recommend design modifications, and supported compliance through technical analysis and review of calculations and project specifications.

REPRESENTATIVE PROJECTS

Overview of Task:
Environmental Compliance Reviews:
External design and contracting firms prepared permit applications and construction-related documentation for submission to DOT–Airports. In this role, I performed third-party design and compliance reviews on behalf of DOT–Airports for adherence to regulatory and project-specific requirements.

I evaluated construction documents and permit applications for regulatory compliance. I reviewed NPDES Construction General Permit applications and verified compliance with Hawaii Department of Health Administrative Rules (HAR §11-55) and DOT Airports Storm Water Management Program (SWMP) criteria.

I evaluated surface and system drainage patterns to verify the identified outfalls and receiving water bodies and assessed whether additional measures were required for any impaired waters. I compared this information against DOTA drainage maps and the Clean Water Act Section 303(d) list. I also verified the total project disturbance area as calculated and reflected in the project maps.

Additionally, I reviewed the scope of work and identified discrepancies across submitted documents. I analyzed erosion and sediment control plans (ESCPs), grading plans, and general civil sheets to determine whether the proposed best management practices (BMPs) would effectively control sediment transport and minimize pollutant discharge under site-specific conditions. I reviewed the Stormwater Pollution Prevention Plan (SWPPP) to ensure consistency with information presented. I exercised engineering judgment to identify gaps in erosion control strategies and recommended modifications to improve system effectiveness and ensure regulatory compliance.

Progression & Leadership:

Began independently conducting reviews with minimal revisions required
Advanced to independently conducting reviews without oversight
Ultimately served as one of the main reviewers
Lead oversight of development of training for new reviewers

Project List:

Runway 8L Replacement (Additional Work Phases)
Honolulu, HI
Structure Type: Runway demo and installation

317 acres
Dates of Involvement: May 2022 - June 2023

I completed the design reviews for the project. I reviewed the NPDES Construction General Permit application.

I evaluated surface and system drainage patterns to verify the identified outfalls and receiving water bodies. I also verified the total project disturbance area as calculated and reflected in the project maps.

Additionally, I analyzed erosion and sediment control plans (ESCPs), grading plans, and general civil sheets. I reviewed the Stormwater Pollution Prevention Plan (SWPPP).

Shoulders Full-Depth Reconstruction Project (Additional Work Phases)
Honolulu, HI
Taxiway demo and installation
489 acres
Dates of Involvement: April 2023 - May 2025

I completed the design reviews for the project. I reviewed the NPDES Construction General Permit application.

I evaluated surface and system drainage patterns to verify the identified outfalls and receiving water bodies. I also verified the total project disturbance area as calculated and reflected in the project maps.

Additionally, I analyzed erosion and sediment control plans (ESCPs), grading plans, and general civil sheets. I reviewed the Stormwater Pollution Prevention Plan (SWPPP).

Concrete Spall Repairs at Terminal 2 Roadways
Airport ground transportation support facilities
18 acres
Dates of Involvement: June 2025 – December 2025

I completed the design reviews for the project. I reviewed the NPDES Construction General Permit application.

I evaluated surface and system drainage patterns to verify the identified outfalls and receiving water bodies. I also verified the total project disturbance area as calculated and reflected in the project maps.

Additionally, I analyzed erosion and sediment control plans (ESCPs), grading plans, and general civil sheets. I reviewed the Stormwater Pollution Prevention Plan (SWPPP).

UST Removals and Reinforcement
Lihue, HI
Fueling support facilities
0.32 acres
Dates of Involvement: January 2026 – March 2026

I completed the design reviews for the project.

I evaluated surface and system drainage patterns to verify the identified outfalls and receiving water bodies. I also verified the total project disturbance area as calculated and reflected in the project maps.

Additionally, I analyzed erosion and sediment control plans (ESCPs), grading plans, and general civil sheets. I reviewed the site-specific best management practice plan.

JOHN TAMBAY (17-931-71)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/27/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
8 years, 11 months

Total Engineering Experience
8 years, 11 months

Experience under licensed engineer
8 years, 11 months

Disciplinary Action
None reported

ABET EAC

FE EXAM

PE EXAM

4+

EDUCATION

Bachelors in Civil Engineering (EAC)
California State University, Long Beach
August 2007–August 2014

EXAMS

Fundamentals of Engineering (FE)
California
February 2023

Principles and Practice of Engineering (PE)
Civil
California
April 2026

LICENSES

Additional Licenses
None

WORK EXPERIENCE

ARCADIS
Hong Kong (Hong Kong)
Graduate Engineer
September 2014—June 2017

Verified by
john tambay (Self)

Experience Summary
Full-Time
Engineering: (0%)
Experience under licensed engineer: None

TASKS

Performed engineering and construction management support for major infrastructure projects in Hong Kong, including the Kai Tak Development Trunk Road T2 infrastructure project and an MTR tunnel extension/station project. Responsibilities included assisting with roadway slab design for the subsea section of Trunk Road T2, supporting tunnel drawing delivery, coordinating with other engineering disciplines, and assisting with bid estimates, project schedules, budget forecasts, and client progress reports.

Construction management duties included coordinating utility relocation activities, monitoring contractor schedule and budget compliance, reviewing technical submittals for materials, temporary works, and work plans, reviewing inspection reports, and tracking daily progress, crew sizes, materials, and equipment. This experience was performed outside the United States and was not under a U.S.-licensed PE. Approximately 90% of my responsibilities were engineering/construction management related and 10% were administrative/project reporting related.

REPRESENTATIVE PROJECTS

Representative projects included Kai Tak Development – Trunk Road T2 and Infrastructure in Hong Kong and an MTR tunnel extension/station project in Hong Kong.

For the Kai Tak Development project, I supported engineering and project delivery for a major infrastructure project that included subsea roadway/tunnel elements. My role included assisting with roadway slab design, supporting the delivery of tunnel drawings, coordinating with civil and other discipline teams, assisting with bid estimates, preparing project schedules, and developing budget forecasts and monthly progress reports for the client.

For the MTR tunnel extension/station project, I supported construction management during pre-construction and construction phases of a tunnel extension and station work. My responsibilities included coordinating utility relocation activities, reviewing technical submittals for materials, temporary works, and work plans, monitoring contractor schedule and budget compliance, tracking daily site progress, and reviewing inspection reports for compliance with the inspection test plan.

This entry is included to complete my chronological employment history. The work was performed outside the United States and was not under a U.S.-licensed PE.

WORK EXPERIENCE

AECOM
California (United States)
Project Engineer III
June 2017—August 2020

Verified by
Danny Nantin Mara
dnmara@gmail.com

Experience Summary
Full-Time
Engineering: 3 years, 2 months
Post EAC degree: 3 years, 2 months
Experience under licensed engineer: 3 years, 2 months

TASKS

Performed civil engineering design and construction engineering duties for roadway, ADA, drainage, pavement, temporary traffic control, and terminal improvement projects. Design responsibilities included developing roadway and ADA improvements in accordance with Caltrans HDM, AASHTO Green Book, ADA Standards, MUTCD, BNSF standards, and applicable project specifications. Designed ADA-compliant curb ramps, including evaluation of running slopes, cross slopes, landing dimensions, transitions, and detectable warning placement. Developed grading layouts, drainage profiles, inlet layouts, pavement sections, and temporary traffic control plans, including shoulder, merging, and shifting tapers. Prepared civil design layouts, profiles, and plan sheets using AutoCAD, MicroStation, and InRoads. Prepared quantity take-offs and engineer's cost estimates.

Construction engineering responsibilities included reviewing and interpreting contract plans, specifications, submittals, RFIs, site layouts, and construction sequencing to verify compliance with design intent and project requirements. Performed constructability reviews to identify design conflicts, sequencing issues, and field constraints. Developed independent quantities and cost estimates to evaluate change order proposals, extra work, and progress payments. Directed inspection staff and verified field quantities, materials, and workmanship. Performed field evaluations and reviewed technical reports to support engineering decisions, including survey monitoring of a deflecting Locata pole and interpretation of soil contamination reports related to disposal requirements. Approximately 90% of my responsibilities were engineering-related and 10% were administrative/project documentation-related.

REPRESENTATIVE PROJECTS

Representative projects included Morena Pump Station improvements in San Diego, CA; SR-210 Mixed Flow Lane Addition in San Bernardino, CA; Colton Yard BNSF improvements in Colton, CA; and APM Terminals Phase 1 at the Port of Los Angeles, CA.

For the Morena Pump Station improvements, I performed roadway and ADA design for approximately 50 curb ramps along a 10-mile corridor. My role included evaluating curb ramp layouts, running slopes, cross slopes, landings, transitions, detectable warning placement, and grading to maintain compliant pedestrian paths of travel. I also contributed to sidewalk widening, pedestrian crossing improvements, and median-related street improvements.

For the SR-210 Mixed Flow Lane Addition, I developed drainage profiles and inlet layouts using applicable Caltrans drainage criteria. I evaluated inlet locations, flow line elevations, pipe slopes, and roadway drainage conditions to maintain positive drainage. I also prepared temporary traffic control layouts, including shoulder, merging, and shifting tapers in accordance with MUTCD requirements.

For the Colton Yard BNSF project, I assisted with pavement design evaluations for different operational areas based on traffic loading, equipment use, and vehicle demands. My role included evaluating appropriate AC and PCC pavement sections, including heavy-duty, standard-duty, and light-duty applications, in accordance with BNSF requirements. I also prepared cost estimates and quantities for pavement improvements.

For APM Terminals Phase 1, I served in a construction engineering role supporting terminal modernization work. My responsibilities included interpreting contract plans and specifications, reviewing RFIs and submittals, performing constructability reviews, evaluating change order proposals, verifying progress quantities, and directing inspection staff. I also evaluated field issues, including survey monitoring of a deflecting Locata pole and review of soil contamination reports to support disposal-related decisions.

These projects demonstrate my progression from civil design tasks into construction engineering responsibilities involving technical review, field evaluation, cost analysis, and application of engineering judgment during project implementation.

JOHN TAMBAY (17-931-71)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

ARCADIS
California (United States)
Assistant Resident Engineer
August 2020—May 2023

Verified by
Kofi Baryeh
kofi.baryeh@baryehconstruction.com

Experience Summary
Full-Time
Engineering: 2 years, 9 months
Post EAC degree: 2 years, 9 months
Experience under licensed engineer: 2 years, 9 months

TASKS

Performed construction management and engineering oversight for major transportation infrastructure projects, including the LA Metro Regional Connector and California High-Speed Rail CP 2-3. Responsibilities included interpreting civil, structural, and traffic control plans and specifications to verify compliance with design intent and contract requirements. Reviewed contractor submittals, RFIs, traffic control plans, construction methods, schedules, and as-built documentation for technical adequacy, constructability, and compliance.

For design-build work, reviewed engineer-of-record responses to RFIs and submittals and provided recommendations for concurrence or non-concurrence on behalf of the owner. Directed inspection staff and coordinated QA/QC activities to verify materials, workmanship, field conditions, and completion of work in accordance with project requirements. Reviewed progress quantities, monthly estimates, extra work bills, and change order proposals by evaluating scope, quantities, and cost impacts. Evaluated construction schedules and critical path updates to identify potential delays and support mitigation measures.

Approximately 100% of my responsibilities were engineering/construction management related.

REPRESENTATIVE PROJECTS

Representative projects included the Los Angeles Metro Regional Connector in Los Angeles, CA, and California High-Speed Rail Construction Package 2-3 in California.

For the Los Angeles Metro Regional Connector, I served as Assistant Resident Engineer supporting construction management of underground station construction and civil restoration work. My responsibilities included oversight of inspection staff, review of contractor submittals, RFIs, traffic control plans, construction schedules, and as-built documentation. I reviewed civil improvements including drainage systems, paving, sidewalks, striping, overhead signs, signalized intersections, and landscaping. I also evaluated progress quantities, extra work bills, change order items, and schedule impacts to support contract administration and project delivery.

For California High-Speed Rail CP 2-3, I provided construction management oversight for multiple structures along a high-speed rail alignment. My role included monitoring contractor performance, reviewing submittals and schedules, supporting QA/QC compliance, and verifying that construction conformed to contract plans and specifications. I reviewed engineer-of-record responses to RFIs and submittals and provided recommendations for concurrence or non-concurrence on behalf of the owner.

These projects demonstrate my experience in owner-representative construction management, technical review, inspection oversight, constructability evaluation, cost and schedule analysis, and application of engineering judgment on major transportation infrastructure projects.

WORK EXPERIENCE

AECOM
California (United States)
Construction Manager
May 2023—May 2026

Verified by
Ziad Georges Rizk
ziad.rizk@aecom.com

Experience Summary
Full-Time
Engineering: 3 years
Post EAC degree: 3 years
Experience under licensed engineer: 3 years

TASKS

I perform construction engineering and construction management for APM Terminals at the Port of Los Angeles by reviewing contract plans, specifications, RFIs, submittals, traffic control plans, as-builts, and design drawings for compliance with project requirements, POLA standards, and design intent.

I review technical submittals and field issues by evaluating specification compliance, constructability, materials requirements, and engineering impacts.

I also calculate and verify progress quantities, change order quantities, and extra work quantities using field measurements, quantity takeoffs, volumetric calculations, and contract documents.

I actively direct inspection teams to verify materials, workmanship, field conditions, and completed quantities, and I provide engineering recommendations or approvals within my assigned authority. Approximately 90% of my duties are engineering related while the other 10% are administrative and project documentation related.

REPRESENTATIVE PROJECTS

APM Terminals, Project M2, Port of Los Angeles, CA — Terminal modernization / site civil, paving, utility, gate, and traffic control improvements. My dates of involvement are May 2023 - May 2026.

I perform construction engineering and construction management for APM Terminals Project M2, a terminal modernization project at the Port of Los Angeles involving site civil improvements, paving, utilities, gates, traffic control, and operational improvements within an active marine terminal. I review RFIs, submittals, traffic control plans, as-built drawings, and design drawings to evaluate compliance with contract documents, POLA standards, and design intent.

I review asphalt concrete mix design submittals by evaluating aggregate gradation, asphalt binder requirements, air void content, and compliance with POLA standards and project specifications. I recommended acceptance when the mix design met the required material and performance criteria.

I evaluated a rolling gate footing depth conflict where existing underground encasement prevented installation of the bollard footing to the specified embedment depth. I reviewed the RFI, field conditions, subsurface conflict, and structural requirements, then worked with the Engineer of Record to develop alternate footing options that maintained constructability and structural performance.

I calculate and verify contractor submitted quantities for progress payments and change orders using field measurements, volumetric takeoffs, and contract documents. I review change order scope, extra work bills, and schedule impacts, and I recommend or approve actions within my assigned authority based on engineering analysis and contract requirements.

COURTNEY WYATT (20-398-78)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/26/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
6 years, 4 months

Total Engineering Experience
6 years, 4 months

Experience under licensed engineer
6 years, 4 months

Disciplinary Action
None reported

EDUCATION

Bachelors in Civil Engineering (EAC)
University of Nevada, Las Vegas
August 2014–December 2019

EXAMS

Fundamentals of Engineering (FE)
Nevada
January 2020

Principles and Practice of Engineering (PE)
Civil
Nevada
February 2026

LICENSES

Additional Licenses
None

COURTNEY WYATT (20-398-78)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

GCW, Inc
Nevada (United States)
Engineering Intern
January 2020—May 2026

Verified by
Johnnie Richard Pate
jpate@gcwengineering.com

Experience Summary
Full-Time
Engineering: 6 years, 4 months
Post EAC degree: 6 years, 4 months
Experience under licensed engineer: 6 years, 4 months

TASKS

I worked in the transportation department at GCW, Inc as an engineering intern and I would assist the project engineers and project managers with various tasks depending on the scope of work for the project. Tasks that I performed regularly included drafting initial designs as exhibits for meetings, drawing in existing utilities from as-builts, creating annotation drawings for the plans, preparing quantity files for the engineer cost estimations, and assisting with submittals by plotting plan sets. Additionally, I have helped with traffic studies in the form of collecting traffic counts, performing sight distance analysis, and creating movement count figures for reports. When needed I would also help with field work such as site visits, verifying existing utilities, service pedestal verification, and documenting existing topography by taking pictures and videos.

REPRESENTATIVE PROJECTS

CC215 Southern Beltway from Decutar to I-15 (January 2020 - February 2023)
The project location was the southern part of the Clark County 215 Freeway from Decatur Blvd to I-15 Interchange.
I was in charge of the signing and striping design which included making initial decisions on where new signs would be located and determining sizes based on the MUTCD and calculating pole lengths for proper mounting heights. Additionally, I was in charge of drafting the specialized overhead sign, laying out the spacing, verbiage, font size, and necessary legends. The overhead sign panels also included designing the sign structure details outlining the location and height of the cantilever and bridge structure in reference to the roadway in accordance to MUTCD and NDOT standards.

Maryland Parkway BRT (February 2021 - June 2023)
The project was located along Maryland Parkway from Russell Rd to Carson Ave, then along Carson Ave to Casino Center Dr., and then along Bonneville Ave to Tonopah Dr.
My first task on this project was using as-builts to draw in the existing utilities, and due to the project being 8 miles of roadway this task was quite extensive. Additionally I was in charge of the signing and striping annotation which included drawing all the existing signs, stationing and dimensioning lane lines, and determining new signage needed for the proposed striping.

CC215 Western Beltway from Sahara to Far Hills and Summerlin Parkway to Hualapai (October 2022 - January 2026)
The project location for the first phase of the project was the northern portion of the Clark County 215 Freeway from Sahara Ave to Far Hills Ave. The second phase of the project was northern portion of the Clark County 215 Freeway from Lake Mead Blvd to Hualapai Way. On the first phase of the project I worked on the lighting and ITS plans, creating conduit and wire schedules, placement of streetlights, CCTV cameras, flow detectors and ITS poles. Before drafting the design, I had to field verify pull boxes, confirm existing service pedestal capacity and refer to as-builts to draw in existing utilities. For both phases of the project I was tasked with the signing and striping design, including the overhead sign panels and structures.

Traffic Signals Systems at Elkhorn/Grand Canyon and Skye Village/Eagle Canyon (January 2026 - March 2026)
Due to the project limits being limited in mileage, I was able to do all of the design and drafting for the project on my own with just the guidance of the project manager. The tasks I was responsible for included setting up all the base files and production layouts, traffic signal design layout, redesigning and correcting the grades for sidewalk ramps that were not compliant with PROWAG standards, new striping and signage, relocation of existing utilities, and cost estimation.

DYLAN YORO (22-348-66)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
07/26/2025

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
4 years

Total Engineering Experience
6 years, 6 months

Experience under licensed engineer
6 years, 6 months

Disciplinary Action
None reported

EDUCATION

Bachelors in Civil Engineering (EAC)
University of Nevada, Reno
August 2018–May 2022

EXAMS

Fundamentals of Engineering (FE)
Nevada
January 2022

Principles and Practice of Engineering (PE)
Civil
Nevada
September 2022

LICENSES

Additional Licenses
None

WORK EXPERIENCE

NOVA Geotechnical & Inspection Services
Nevada (United States)
Student Intern
May 2018—June 2020

Verified by
Blake Douglas Carter
blake@westexconsulting.com

Experience Summary
Part-Time
Engineering: 7 months (25%)
Experience under licensed engineer: 7 months

TASKS

25% Engineering – I was responsible for performing concrete compressive strength tests, sieve analyses, maximum dry density and optimum moisture content tests (Proctors), as well as Plasticity Index and Liquid Limit tests. In the field, I conducted concrete sampling and testing—including slump, air content, temperature, and unit weight—as an ACI Concrete Field Testing Technician Grade I. I also managed the transport and proper curing of samples in the lab. Additionally, I edited and distributed the inspector's Daily Field Reports.

REPRESENTATIVE PROJECTS

Vu at MacDonald Highlands (May 2018 – August 2018)
This project included multi-level luxury residences in Henderson, located near Serenity Point Drive and Tranquil Peak Court. I was responsible for performing field concrete tests—including slump, temperature, air content, and unit weight—to verify mix compliance before placement. (Received ACI Concrete Field Testing Technician Grade I certification.)

Northern Nevada Sierra Medical Center (December 2019 – June 2020)
This project involved the construction of a hospital at Longley Lane and Double R Boulevard in Reno. I assisted with mild steel reinforcement inspections and structural steel inspections. I also collected grout and concrete samples in the field and performed compressive strength tests once the samples had cured.

Laboratory Work (August 2018 – December 2019)
In the lab, I performed concrete compressive strength tests, sieve analyses, and Plasticity Index tests. I also conducted maximum dry density and optimum moisture content tests (Proctors) across a variety of projects.

WORK EXPERIENCE

Wood Rodgers
Nevada (United States)
Assistant Engineer
June 2020—January 2025

Verified by
Jesse Jay Patchett
jpatchett@pdg-nv.com

Experience Summary
Full-Time
Engineering: 4 years, 7 months
Post EAC degree: 2 years, 8 months
Experience under licensed engineer: 4 years, 7 months

TASKS

100% Engineering - The major branch of Civil Engineering I am worked in is Land Development. I was responsible for analyzing onsite and offsite drainage by developing technical drainage studies. I was responsible for analyzing the existing and proposed water networks of the onsite domestic and fire water systems by developing water network analyses. I was responsible for designing the onsite and offsite utilties, grading, roadway improvements and developing the entire civil improvement plan set. I used software such as HEC-1, FlowMaster, WaterCAD, and AutoCAD Civll 3D.

I started off as an intern, then got promoted to a civil designer, and then was promoted to Assistant Engineer. As an intern I designed smaller portions of the grading and utility designs but within 3 months I was given more and more responsibility for the entirety of the civil design. I was then promoted to a Civil Designer, where I designed and developed the entire civil improvement plans and studies for the projects I worked on. I then became an assistant engineer where I designed and produced the entire civil improvement plans which include grading, roadway, and utility design, but I also reviewed the designs of our intern and other staff.

REPRESENTATIVE PROJECTS

Hopewell Lamb Cheyenne Warehouse (June 2020-October 2024)
Industrial warehouse on 5 acres in the City of North Las Vegas. I designed/developed the civil improvement plan set. I analyzed the domestic and fire water systems for the project with a water network analysis to ensure adequate pressure requirements were met. I also analyzed and designed the exhibits for the construction RFIs.

Hopewell Tropical and Shatz Warehouse (December 2020-August 2022)
Industrial warehouse on 5 acres in Clark County at the southeast corner of Tropical Parkway and Shatz Street. I analyzed the onsite/adjacent offsite drainage by completing a Technical Drainage Study. I analyzed the onsite domestic and fire water systems with a Water Network Analysis to ensure adequate pressure requirements were met. I designed/developed the civil improvement plan set. I designed the sewer, water, and designed the site grading for drainage and ADA requirements.

West Las Vegas Library (June 2022-February 2024)
Library on 5 acres in the City of Las Vegas southwest of the intersection of Mount Mariah Drive and Martin Luther King Boulevard. I designed/produced the civil improvement plan set. I analyzed the onsite domestic and fire water systems with a Water Network Analysis to ensure adequate pressure requirements were met. I designed/developed the civil improvement plan set to be reviewed/approved by the local agencies. I designed the sewer, water, and designed the site grading for drainage and ADA requirements.

Enterprise Torrey Pines (June 2022-June 2024)
Rent-a-Car facility in Clark County on 5 acres northwest of the intersection of Rafael Rivera and Torrey Pines. I designed/produced the civil improvement plan set. I analyzed the onsite domestic and fire water systems with a Water Network Analysis to ensure adequate pressure requirements were met. I designed and developed the civil improvement plan set to be reviewed/approved by the local agencies. I designed the sewer, domestic/fire water systems, onsite stormdrain and designed the site grading for drainage and ADA requirements.

Earl B. Lundy Elementary School Site Assessment (May 2023-July 2023)
Existing developments were damaged during a flash flood event at Mt. Charleston. I analyzed the site to determine the existing drainage system and failures associated with the system. I calculated the cost estimate for the restoration of the school site. I designed the grading plan to restore the site to its previous condition.

LMG Warehouse (October 2023-October 2024)

Industrial warehouse on 4 acres in Clark County. I designed/produced the civil improvement plan set. I analyzed the onsite domestic and fire water systems with a Water Network Analysis to ensure adequate pressure requirements were met. I designed/developed the civil improvement plan set to be reviewed/approved by the local agencies. I designed the sewer, domestic water system, fire water system and designed the site grading for drainage and ADA requirements.

Clearwater LV4 (December 2023-December 2024)
280,000 square foot industrial warehouse on 37 acres in the City of North Las Vegas. I designed/produced the civil improvement plan set. I analyzed the onsite domestic and fire water systems with a Water Network Analysis to ensure adequate pressure requirements were met. I designed and developed the civil improvement plan set to be reviewed/approved by the local agencies. I designed the sewer, domestic water, fire water and designed the site grading for drainage and ADA requirements.

Los Flores Civica Phase III (May 2024-January 2025)
11-acre site for a phased charter school. I designed/produced the civil improvement plan set. I analyzed the onsite domestic and fire water systems with a Water Network Analysis to ensure adequate pressure requirements were met. I designed and developed the civil improvement plan set to be reviewed/approved by the local agencies. I designed the sewer, water, and designed the site grading for drainage and ADA requirements.

Lake Mead Multi Use (April 2024-January 2025)
5-acre site for a commercial building and 4 apartment buildings. I designed/produced the civil improvement plan set. I analyzed the onsite domestic and fire water systems with a Water Network Analysis to ensure adequate pressure requirements were met. I designed and developed the civil improvement plan set to be reviewed/approved by the local agencies. I designed the sewer, domestic/fire water systems, and designed the site grading for drainage and ADA requirements.

WORK EXPERIENCE

Patchett Design Group
Nevada (United States)
Assistant Project Manager
February 2025—June 2026

Verified by
Jesse Patchett
jpatchett@pdg-nv.com

Experience Summary
Full-Time
Engineering: 1 year, 4 months
Post EAC degree: 1 year, 4 months
Experience under licensed engineer: 1 year, 4 months

TASKS

100% Engineering - The major branch of Civil Engineering I am working in is Land Development. I am responsible for designing the onsite and offsite utilities, grading, roadway improvements and developing the entire civil improvement plan set for commercial and/or industrial site civil work. I use software such as HEC-1, FlowMaster, WaterCAD, and AutoCAD Civil 3D. I am an assistant project manager and I design/produce the entire civil improvements plan set and also review the designs of other staff.

REPRESENTATIVE PROJECTS

Jim Bridger Middle School Replacement (2025-2026)
Demolition and construction of the new Jim Bridger Middle School in the City of North Las Vegas near Putnam Avenue and Bruce Street. I designed and produced the civil improvement plan set. I designed the sewer, water, site grading, and roadway/traffic improvements for the project.

Solo Mountain Pad 1 (2025-2026)
1.5 million SF of Industrial building on ~90 acres in the City of North Las Vegas in Apex. I designed and produced the civil improvement plan set. I designed the sewer, water, site grading, and roadway/traffic improvements for the project.

HD Oleta Jones (2025-2026)
Four Industrial warehouse building on ~6.5 acres in Clark County near Oleta Avenue and Jones Boulevard. I designed and produced the civil improvement plan set. I designed the sewer, water, site grading, and roadway/traffic improvements for the project.

The Lab Fort Apache & Oquendo (2025-2026)
Auto condo development on 4.2 acres in Clark County at the northwest corner of Fort Apache Road and Oquendo Road. I designed and produced the civil improvement plan set. I designed the sewer, water, site grading, and roadway/traffic improvements for the project.

Marble Manor Phase 2 (2025-2026)
220 multifamily units and 10,000 SF of commercial space on ~12 acres in the City of Las Vegas near Washington Avenue and H Street. I designed and produced the civil improvement plan set. I designed the sewer, water, site grading, and roadway/traffic improvements for the project.

Enterprise Windmill (2025-2026)
Rent-a-car facility on 3.91 acres in Clark County at the northeast corner of Windmill Lane & Placid Street. I designed and produced the civil improvement plan set. I designed the sewer, water, and site grading for drainage and ADA compliance.

Henderson Community Ambulance (2025-2026)
Community Ambulance facility on 6 acres in the City of North Las Vegas east of the Via Nobila & Via Centro. I designed and developed the civil improvement plan set including sewer, water, and site grading design for drainage and ADA compliance.

Rock Springs Bliss Car Wash (2025)
Carwash building on 1.11 acres in the City of Las Vegas north of Rock Springs Drive & Lake Mead Blvd. I designed & developed the civil improvement plan set including sewer, water, and site grading.

Ann & N 5th Bliss Car Wash (2025)
Carwash building on 1.82 acres in the City of North Las Vegas. I designed & developed the civil improvement plan set including

sewer, water, storm drain and site grading.

Tradewinds Apartments (2025)
200-unit apartment building complex on 4.19 acres in the City of North Las Vegas. I designed & developed the utility plan and layout for the entitlement submittal.

Bright Angel Way & Michelli Crest Way (2025)
Two custom residences on 2.06 acres in Clark County. I designed & developed the civil improvement plan set including sewer, water, and site grading.

RSD Warehouse (2025)
Industrial warehouse on 1.91 acres in Clark County near Russell Road and Rogers Street. I designed and developed the civil improvement plan set including sewer & water design as well as the site grading for drainage and ADA compliance.

Circle K (2025)
Circle K convenience store on 2.16 acres in Clark County. I analyzed the onsite and adjacent offsite drainage by completing a Technical Drainage Study update.

Sahara Demolition (2025)
Demolition of an existing building near Sahara Ave and Commercial Center on 1.03 acres in Clark County. I developed the civil demolition set for agency review.

TOMISLAV ZUVIC LAPIERRE (22-650-39)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/29/2026

Citizenship
Chile

SUMMARY

Engineering Experience after EAC degree
4 years

Total Engineering Experience
4 years

Experience under licensed engineer
4 years

Disciplinary Action
None reported

EDUCATION

Bachelors in Civil Engineering (EAC)
University of Nevada, Las Vegas
September 2017–May 2022

EXAMS

Fundamentals of Engineering (FE)
Nevada
May 2022

Principles and Practice of Engineering (PE)
Civil
Nevada
June 2023

LICENSES

Additional Licenses
None

TOMISLAV ZUVIC LAPIERRE (22-650-39)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Westwood Professional Services
Nevada (United States)
Graduate Engineer
June 2022—June 2026

Verified by
Randy Carroll
randy.carroll@westwoodps.com

Experience Summary
Full-Time
Engineering: 4 years
Post EAC degree: 4 years
Experience under licensed engineer: 4 years

TASKS

Intern (January 2021 - June 2022)
I began acquiring engineering experience as a part-time intern working on tentative maps for residential developments, where I contributed by applying civil engineering principles to evaluate the feasibility of proposed designs and ensure compliance with agency development standards. My role included reviewing preliminary grading and drainage concepts to confirm that the proposed lot and roadway elevations would support positive drainage patterns and avoid excessive retaining wall requirements.

Graduate Engineer (June 2022 - Present)
After graduation and obtaining a full-time position, my career then transitioned into traffic-focused civil engineering projects. I am responsible for preparing Traffic Impact Analyses (TIAs), traffic operational studies, traffic signal warrant analyses, and traffic engineering design plans for a variety of land development and public infrastructure projects. These projects often support new residential, commercial, industrial, and mixed-use developments, and may involve coordination with local, regional, or state transportation agencies.

I assess existing transportation conditions by reviewing roadway functional classifications, traffic volumes, crash data, and roadway geometry. Using jurisdictional guidelines and standards such as the ITE Trip Generation Manual, I estimate future traffic demand and evaluate impacts on adjacent roadways and intersections. I use traffic modeling software such as Vistro, Synchro, and SIDRA to analyze intersection operations and develop mitigation strategies that ensure acceptable levels of service under both near- and long-term scenarios. I design signage, striping, and traffic signal plans and ensure these are compliant with the MUTCD and with agency development standards.

REPRESENTATIVE PROJECTS

Sunset Road and Grand Cadence Drive Traffic Signal Plans (November 2022 – September 2024)

I designed the traffic signal plans for a 3 lane by 2 lane arterial with dedicated left turn lanes intersection that included a wide median in Henderson, Nevada. I analyzed vehicle trajectories and confirmed that opposing lefts would not conflict. I adjusted signal pole locations to avoid underground utility conflicts and resolved geometric issues related to a misaligned approach to ensure proper signal head visibility and compliance with agency standards. My responsibilities included reviewing as-built plans, performing field reviews to verify survey base files and identify conflicts, developing Civil 3D design files incorporating survey and utility data, and preparing traffic signal equipment layouts, signal phasing, conduit routing, and detection design in accordance with local and national standards.

West Henderson Traffic Impact Analysis (May 2023 – December 2024; January - June 2025)

I served as the engineering analyst for a Master Traffic Impact Study Analysis for a proposed development that included six industrial buildings, three single-family residential neighborhoods totaling 844 units, and three commercial establishments in Henderson, Nevada. I conducted a traffic demand simulation in PTV Vistro by defining zones and external gates to represent residential, commercial, and industrial land uses, and assigning trips through these to estimate future travel patterns and network impacts for three distinct scenarios, established trip distribution patterns for the proposed land uses, performed operational analysis on forty intersections, provided roadway planning capacity analysis on seven scenarios for 23 roadway segments, performed gate queueing for industrial uses to evaluate site access efficiency and prevent spillback onto public roadways, and identified mitigation measures and infrastructure improvements required to support projected traffic demand while maintaining safe and efficient operations.

Badlands Traffic Impact Analysis (January 2025 – August 2025)

I served as the engineering analyst for a Traffic Impact Study Analysis for a proposed 253.5 acres residential development consisting of 1,480 residential dwelling units in City of Las Vegas, Nevada. I obtained trip generation estimates using the ITE Trip Generation Manual, established trip distribution patterns by using existing count data and by reviewing approved studies in the area, performed operational analysis on fifteen intersections, performed traffic signal arterial progression and performance analysis for five scenarios on a 2.0-mile segment of an adjacent 6-lane arterial roadway serving the project, provided a detailed evaluation of crash data, performed gate-queuing analysis on three residential entries, provided school walking route analysis, and performed pedestrian and bicycle connectivity analysis. I performed a field review of 1.3-miles of existing sidewalk surrounding the project to identify sidewalk segments, ramps, street crossings and traffic signal equipment for compliance to ADA requirements.

Meriden Off-Site Roadway Improvement Plans (April 2025 – April 2026)

I assisted in the development of off-site roadway improvement plans for the 110-acre Meriden Residential project in Henderson, Nevada. I supported the roadway cross-section design effort, including the development of right-turn and left-turn storage bays at the proposed project driveway. I performed design work for adding a north leg to an existing intersection, including vault relocations, conduit adjustments, traffic signal pole relocation, and revisions to the median island geometry. I performed AutoTurn evaluations to verify accommodation of WB-67 and SU-40 vehicle turning paths.
I designed the signal pole locations, mast arm lengths, pole foundation sizes, signal head types and locations, pedestrian push button locations, and signal phasing configurations in accordance with MUTCD requirements for the secondary project intersection. I defined the ITS infrastructure and pull box assignments to the signal cabinet and evaluated proposed pole locations relative to an existing transmission line. I designed roadway striping, ITS infrastructure layouts, and regulatory and warning signage along project perimeter roadways and adjacent intersections. I coordinated with the local MPO, city, and state DOT during preparation of the design plans.

Control Systems

JAKE DEVORE (17-301-96)

All work experience reviewed by two licensed professionals

DISCIPLINE: CONTROL SYSTEMS

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/30/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
8 years, 3 months

Total Engineering Experience
8 years, 3 months

Experience under licensed engineer
2 years, 2 months

Disciplinary Action
None reported

EDUCATION

Bachelors in Electrical Engineering (EAC)
University of Nevada, Reno
August 2012–May 2017

EXAMS

Fundamentals of Engineering (FE)
Nevada
December 2016

Principles and Practice of Engineering (PE)
Control Systems
Nevada
April 2026

LICENSES

Additional Licenses
None

JAKE DEVORE (17-301-96)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Helix Electric
Nevada (United States)
Project Engineer
June 2017—February 2018

Verified by
Jake Devore (Self)

Experience Summary
Full-Time
Engineering: (0%)
Experience under licensed engineer: None

TASKS

I reviewed and made recommendations on project plansets. I wrote technical RFI's for the project and transferred the info to the electricians or the plansets. I recommended changes that would help keep the installations NEC compliant. Much of the role included project managment and administrative tasks, 90/10 split between management/engineering due to the nature of the role.

REPRESENTATIVE PROJECTS

Tool Install Team Tesla Gigafactory Construction Project
(2017-2018)
Reno, NV
I served as project engineer for electrical feeder installation for manufacturing tools at a factory. I wrote technical RFI's for the project. I reviewed and distributed project plansets. I recommended changes that would help keep the installation NEC compliant.I helped design engineers for the electrical project understand the actual field conditions.

WORK EXPERIENCE

Tesla, Inc
Nevada (United States)
Senior Manufacturing Equipment Engineer
February 2018—March 2024

Verified by
Anudeep Lotey
alotey@tesla.com

Experience Summary
Full-Time
Engineering: 6 years, 1 month
Post EAC degree: 6 years, 1 month
Experience under licensed engineer: None

TASKS

Held Multiple roles - Maintenance tech from Feb 2018 to Sep 2018, Associate Engineer from Sep 2018 to Jan 2020, Equipment Engineer from Jan 2020 to Oct 2021, Senior Engineer from Oct 2021 to end of employment. For all engineering roles, I programmed, modified, and designed manufacturing equipment and improvements at the Tesla Gigafactory site in Nevada. I programmed PLC's and robotic motion controls, including modifications and changes to safety instrumented systems. I recommended and designed line improvements based on calculations that affected line KPI's. All engineering roles required some level of project management due to the nature of interfacing with the production team. For the maintenance technician role no engineering was performed. For all roles but the senior role, the split was roughly 10/90 management/engineering while the senior role was 20/80 due to training and leading requirements.

REPRESENTATIVE PROJECTS

Energy Battery Module Line 2 General Support Engineer
(2018 - 2021)
Reno, NV
I provided general engineering support for a manufacturing line. I troubleshot and edited PLC programs on the new manufacturing line. I recommended and implemented many small design changes and improvements to the manufacturing line.

Energy Battery Module Line 2 TFBA Improvements
(2020 - 2021)
Reno, NV
I supported and implemented major cycle time improvements to this cell on the manufacturing line. I wrote PLC code and robotic changes that reduced cycle time of the terminal bar to fixture cure machine. I recommended design changes to fixtures and hardware. I programmed and tested vision program changes to the dispenser assembly. This was a single cell on the manufacturing line.

Energy Battery Module Line 1 Cell pick and place machine repurposing .
(2022-2023)
Reno, NV
As the lead for this project, I designed changes required to 4 machines designed to be retrofit onto an existing line. I recommended physical changes to a cell pick and place machine design to accommodate operator safety and machine function. I programmed PLC's and robotics for cell pick and place machines. I modified and updated pneumatic circuits for machine function and safety. I commissioned, tested, and started up these machines.

Semi Line - Axle Fastening Order
(2023)
Reno, NV
I designed a system with sensor monitoring on a cart and an inductive coupler system to reduce the cost needed for a tool positioning sensor. I programmed this system into a small PLC. I integrated this system into the factory SCADA/MOS system. This system was small and was under $5K, and was intended to be low-budget.

M3BM Line 2 - Upper Level Conveyance I/O design
(2024)
Reno, NV
I designed a discrete distributed I/O system for a large conveyance system on the upper level of the battery module line. I recommended sensor and hardware placement on the conveyance. I calculated voltage drops for the system for power supply

sizing and wire sizing. I recommended correct installation practices for wiring and grounding on the conveyance. I designed the pneumatic output system for the conveyor lift transfer units and pallet stops. This was a very large project, coming in around $300K just for electrical.

JAKE DEVORE (17-301-96)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Sierra Controls
Nevada (United States)
Project Engineering Lead
March 2024—May 2026

Verified by
Dallas Andrew Ward
andreww@sierracontrols.com

Experience Summary
Full-Time
Engineering: 2 years, 2 months
Post EAC degree: 2 years, 2 months
Experience under licensed engineer: 2 years, 2 months

TASKS

I develop, draft, design, and specify remote terminal units and control panels. I program PLC's, OIT's, and HMI's for water, wastewater, and irrigation control systems. I develop radio systems and master plans. I specify and select instrumentation for water, wastewater, and irrigation projects. Also held role as project engineer from 03/2024 to 08/2025, with similar tasks and duties. Some leadership, training, and admin is involved in this role. Roughly 80/20 engineering/other.

REPRESENTATIVE PROJECTS

Lithium Nevada Lift Station
(2024-2025)
Winnemucca, NV
I provided drawings, programming, and startup for a remote 2-pump wastewater lift station. My design included a Modicon M340 PLC and a cellular communications system for operator remote access to the site. My design included start stop controls for the pumps from the PLC as well as a backup float control system in the event the primary analog level control instrument failed or the PLC became unavailable. The PLC also monitored local site conditions such as generator status and site security. Site alarms and remote controls were provided over the EasyAccess 2.0 service provided by Maple Systems.

Washoe County Steamboat Lift Station
(2024-2026)
Reno, NV
I provided design support, testing, programming, and startup support for this project. My design support included submittals and component selection as well as drafting review. Programming for the site consisted of a 6-pump lift station, I provided a base program where pump starts/stops would cycle with the site wetwell level. My testing included I/O checkout and a complete test back to the SCADA system to verify program functions, displays, and alarms. This site was a complex hydraulically connected 6-pump wastewater lift station with 2 separate wetwells.

DALAL MUQATASH (19-331-71)

All work experience reviewed by two licensed professionals

DISCIPLINE: CONTROL SYSTEMS

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/12/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
7 years, 3 months

Total Engineering Experience
7 years, 3 months

Experience under licensed engineer
7 years, 3 months

Other Experience

Disciplinary Action
None reported

EDUCATION

Bachelors in Mechanical Engineering (EAC)
California Maritime Academy
August 2014–April 2018

EXAMS

Fundamentals of Engineering (FE)
California
July 2018

Principles and Practice of Engineering (PE)
Control Systems
Nevada
April 2026

LICENSES

Additional Licenses
None

DALAL MUQATASH (19-331-71)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

CBRE
California (United States)
Project Manager
May 2018—January 2019

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

WORK EXPERIENCE

Telstar Instruments
California (United States)
Project Engineer
February 2019—February 2025

Verified by
Benjamin Herston
Bherston@telstarinc.com

Experience Summary
Full-Time
Engineering: 6 years
Post EAC degree: 6 years
Experience under licensed engineer: 6 years

TASKS

Tasks and duties assigned are as follows:
* Estimating cost and duration for electrical construction, instrumentation and controls scope work for public and private work projects
* Specification and provision of instrumentation, control panels, and electrical construction materials,
* Drafting and peer review of control drawings including P&IDs, Control Panel Construction Drawing, Loop Drawings, Interconnection Drawings.
* Project Management of electrical construction, instrumentation and controls scope work for public and private work projects.
* Start up and commissioning services for electrical construction, instrumentation and controls scope work for public and private work projects.

REPRESENTATIVE PROJECTS

Yuba City Wastewater Treatment Plant Upgrade, (2019-2023)
Role: Junior Engineer
*I drafted submittals for specified instrumentation and control panels for Owner review and approval.

City of Turlock Chlorination Upgrade (2021-2025)
Role: Project Engineer
*I estimated project management, project engineering, drafting, and panel construction costs.
*I compiled estimated cost for programming, controls and integration, and electrical construction for upgrading water plant and 23 pump station sites for wastewater treatment.
*I specified new chlorine analyzers and new PLC control panels for 23 pump stations across the City of Turlock
*I directed procurement and installation of new chlorine analyzers and new PLC control panels for 23 pump stations across the City of Turlock.
*Proposed, Installed, and Tested new and modifications to existing PLC, HMI, and SCADA code for new chlorine analyzers.
*I drafted loop drawings for each of the 23 pump stations.
*I consulted radio manufacturer representative for programming guidance per programmer inquiries.
*Provided, programmed, and installed master and slave radio stations for the 23 pump stations and water plant.

San Juan Bautista - Wastewater Treatment Plan Upgrade (2022-2025)
Role: Project Engineer/ Project Manager
*I estimated the integration scope and incorporated the estimate for electrical construction.
*I drafted the estimate letter for $1.5 million dollar scope outlining duties, clarifications, and exceptions.
*I generated submittal package for instrumentation specified for additions to wastewater plan detailed in contract plans and specifications.
*I coordinated purchase, procurement, and installation of approved materials.
*I drafted Factory Test Acceptance Plans, Site Commissioning plans, Site wide loop and interconnection drawings for start up of new facilities including a new primary pump station.
*I recorded changes to the contract and specifications in as-built drawings per ISA standard for documentation management.

Ukiah Recycled Water Treatment Plant (2022-2025)
Role: Project Engineer/ Project Engineer
* I generated the scope and estimate letter for instrumentation and controls scope incorporating estimate for PLC/HMI/ SCADA programming.
*I performed preliminary review of PLC/HMI/SCADA programming packaged prior to submission for Owner approval looking for

attributes required by owner programming specification.
*I coordinated with Panel Construction Shop, Programmers, and Purchasing department for procuring, building, and testing of control panels and servers for recycled water plant upgrades.

WORK EXPERIENCE

Southwest Gas Corporation
Nevada (United States)
Engineer 1
January 2025—May 2026

Verified by
Brent Alexander Roberts
brent.roberts@swgas.com

Experience Summary
Full-Time
Engineering: 1 year, 4 months
Post EAC degree: 1 year, 4 months
Experience under licensed engineer: 1 year, 4 months

TASKS

ESSENTIAL JOB RESPONSIBILITIES
• Evaluate municipality, other utility and private developer plans to assess the need for facility modifications
• Design and manage projects according to Company and government specifications
• Prepare parts lists, bills of material, and cost estimates
• Conduct computer simulations/network analyses to test facility designs or evaluate gas system integrity
• Conduct research related to facility qualification and upratings
• Evaluate and select optimum design alternatives
• Perform preliminary engineering analysis necessary to investigate new projects
• Perform engineering calculations
• Review completed designs
• Coordinate projects with other work groups and departments
• Communicate project status to appropriate departments
• Maintain data in accordance with regulatory requirements
• Write technical instructions and procedures
• Research information on material, equipment and related costs for project activities
• Assist with long-term planning initiatives
• Assist with emergency response activities
• Review and evaluate Operations and Maintenance Compliance Records
• Assist with emergency response activities. Be subject to “on-call” duty as needed
• Perform related duties and responsibilities as assigned

REPRESENTATIVE PROJECTS

2977 Highway 50 Meter Set Assembly (2025)
Role: Designer
* I drafted meter set assembly design and installation drawings for single residence.

Meter Set Assembly Template (2025-present)
Role: Lead Designer
* I updated the standard meter set design and installation template drawings to incorporate pre fabricated spools joined by flanges to reduce welds and testing required previously.

Heybourne 7 Lots Main Extension (2025-Present)
*I generated the estimate and estimate letter for extension of existing gas pipeline to serve seven (7) new residences incorporating labor hours provided by our construction team.
* I drafted main extension drawings and specified bill of materials to be installed.
* I simulated additional gas load to confirm minimum diameter pipe required desired flow.
* I coordinated with construction group to establish installation plan and acquire required easements.

Moundhouse Meter and Regulating Station (2025-present)
* I generated drawing for valve replacement of outlet valve for pressure regulating station
* I consulted construction for installation plan.
* I applied for and obtained state permits and easements for valve replacement
* I drafted design drawings for replacement of high pressure metering and regulator station.
* I defined test parameters for newly installed and modified existing high pressure steel.

Blackstone South (2026- Present)
* I coordinated and reviewed drafting of design drawings for 105 home development
* I performed flow analysis for desired gas to confirm that the existing system can supply gas to this many lots.
* I communicated with developer to coordinate with other utilities to ensure clearance requirements from gas regulating groups is met.

Electrical

OLUWASEGUN ADEGBOYE (24-737-71)

All work experience reviewed by two licensed professionals

DISCIPLINE: ELECTRICAL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/21/2026

Citizenship
Nigeria

SUMMARY

Engineering Experience after EAC degree

Total Engineering Experience
7 years

Experience under licensed engineer
5 years, 9 month

Disciplinary Action
None reported

EDUCATION

Meets NCEES Engineering Education Standard

Bachelors in Electronic and Electrical Engineering
Ladoke Akintola University of Technology
January 2011–March 2018

Masters in Engineering Technology
East Tennessee State University
August 2022–May 2024

EXAMS

Fundamentals of Engineering (FE)
North Carolina
December 2024

Principles and Practice of Engineering (PE)
Electrical & Computer
North Carolina
March 2026

LICENSES

Additional Licenses
None

OLUWASEGUN ADEGBOYE (24-737-71)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

IHS towers
Lagos (Nigeria)
Electrical Engineer
April 2017—May 2022

Verified by
Seun Abiodun Adebowale
seun.adebowale@ihstowers.com

Experience Summary
Full-Time
Engineering: 5 years, 1 month
Experience under licensed engineer: 5 years, 1 month

TASKS

I was responsible for field engineering and technical leadership of telecom hybrid power infrastructure, including diesel generators, battery systems, rectifiers, and solar integration across multiple site clusters.
I performed power systems studies, including load flow analysis, short-circuit calculations, transient stability evaluations, and power quality assessments to support system reliability and capacity planning. I conducted arc flash hazard analyses and designed grounding systems to ensure personnel safety and equipment protection.
I carried out rectifier sizing calculations based on load profiles and growth forecasts, and supervised the installation, testing, and commissioning of rectifiers. I also designed power panel distribution systems, including AC/DC distribution boards, cable sizing, protection coordination, and load distribution to critical telecom equipment.
I supervised contractors during operations and maintenance activities while maintaining engineering oversight to ensure compliance with SLAs, OLAs, KPIs, and technical specifications. I executed site inspections, audited electrical and grounding systems, monitored preventive and corrective maintenance, and provided 24/7 emergency technical support for power failures. I coordinated cutover activities involving load transfers and hybrid system integrations, generated technical reports with engineering recommendations, performed root-cause analyses, and recommended improvements to enhance system reliability and operational efficiency.
Approximately 90% of my responsibilities were engineering in nature; the remaining 10% involved coordination and supervisory oversight.

REPRESENTATIVE PROJECTS

1. Telecom Site Power System Reliability and Load Assessment Program
Dates: 2017 – 2019
I performed comprehensive power systems studies for reliability improvement across distributed telecom sites. I personally conducted load flow analyses, calculated peak and average demands, evaluated transient responses, and performed short-circuit studies. Based on the findings, I completed rectifier sizing calculations and designed grounding systems for multiple sites. I analyzed system constraints and provided detailed engineering recommendations for rectifier upgrades and power distribution improvements that enhanced site uptime and reduced power-related failures.
2. Arc Flash Risk Assessment and Electrical Safety Improvement Initiative
Dates: 2018 – 2020
I led arc flash hazard assessments and supporting power systems studies on telecom power distribution systems. I calculated incident energy levels at key panels, performed protective device coordination reviews, and evaluated existing grounding configurations. I identified deficiencies and designed improved grounding layouts and safety measures. I developed engineering recommendations for equipment labeling, PPE requirements, and maintenance procedures that significantly reduced electrical hazard exposure for field teams.
3. Hybrid Power System Optimization and Rectifier Upgrade Project
Dates: 2019 – 2021
I engineered upgrades for hybrid (diesel–battery–solar) telecom power systems. I performed detailed rectifier sizing studies based on increasing load demands, selected appropriate rectifiers, and designed new AC/DC power panel distribution systems, including cable sizing, breaker coordination, and proper load distribution. I supervised the installation and commissioning of rectifiers and power panels across multiple sites. I also diagnosed RMS and solar integration issues, coordinated corrective actions, and validated system performance through on-site testing and measurements.
4. Power Infrastructure Upgrade and Site Cutover Program
Dates: 2020 – 2022
I designed and coordinated site cutover activities for power system transitions. I developed power distribution schemes, designed and oversaw the installation of new power panels, and ensured seamless integration between grid, generator, battery, and solar sources. I reviewed and enhanced grounding systems as part of the upgrades and performed power systems studies to confirm stability during cutovers. I supervised installation work, conducted acceptance testing, and verified compliance with technical

specifications prior to site handover.

5. Emergency Power Restoration and Field Failure Response

Dates: 2017 – 2022 (ongoing throughout employment)

I provided hands-on engineering support during emergency power outages and system failures. I performed on-site diagnostics, fault analysis, insulation resistance testing, and battery health assessments. I developed and executed restoration plans that frequently included rectifier replacement, power panel reconfiguration, grounding corrections, and load redistribution. I conducted post-event power systems reviews, documented root causes, and implemented preventive engineering solutions to improve long-term site reliability.

WORK EXPERIENCE

Eaton
North Carolina (United States)
Senior Electrical Engineer
June 2024—August 2025

Verified by
Emmanuel Chigozie Ani
emmanuelc.ani@yahoo.com

Experience Summary
Full-Time
Engineering: 1 year, 2 months
Experience under licensed engineer: 11 months

TASKS

I Performed predominantly electrical engineering functions (approximately 95% engineering, 5% coordination/administrative) focused on power systems design support, uninterruptible power supply (UPS) application engineering, and mission-critical infrastructure for data centers and industrial facilities.
I developed, executed, and validated test plans, specifications, and performance verification procedures for UPS systems ranging from 50 kW to 1.15 MW. I defined appropriate UPS use cases, system configurations, and installation locations based on operational requirements, environmental constraints, and reliability objectives. I calculated and defined electrical load requirements, including steady-state and transient motor load characteristics, to support accurate system sizing and coordination studies.
I interpreted and ensured compliance with applicable codes and standards, including the National Electrical Code (NEC), IEEE standards, UL requirements, and NFPA guidelines, integrating these into system design validation and customer deliverables. I provided technical support during commissioning and field operations, diagnosing and resolving complex issues related to UPS performance, battery systems, and electrical integration with critical loads. I conducted root cause analysis (RCA) on field failures and system anomalies, identifying corrective and preventive actions to improve system reliability, availability, and maintainability.
I collaborated with cross-functional teams (R&D, manufacturing, quality assurance, and project engineering) to resolve technical issues and support design enhancements. I prepared detailed engineering documentation, test reports, and technical presentations for internal and customer stakeholders. I also mentored junior engineers on UPS application engineering, load characterization, and commissioning best practices while coordinating testing activities with internal and external stakeholders.

REPRESENTATIVE PROJECTS

UPS System Validation, Testing, and Lifecycle Support (2024 – 2025)
I was responsible for the validation, testing, and lifecycle engineering support of uninterruptible power supply (UPS) systems rated 50 kW to 1.15 MW intended for mission-critical data center and industrial applications. I personally developed and executed comprehensive test plans and validation procedures in coordination with laboratory personnel. I analyzed system performance under both steady-state and transient operating conditions, evaluated test data for deviations, and prepared formal engineering reports that supported product certification, design verification, and field deployment. I ensured full compliance with UL, NEC, IEEE, and NFPA standards throughout the validation process.
Engineering Change Management, Design Updates, and Documentation Control (2024 – 2025)
I led engineering change management activities by developing and processing engineering change orders (ECOs) to implement product design updates and field corrective actions. I reviewed, revised, and updated critical engineering documentation, including wiring diagrams, one-line diagrams, technical specifications, and bills of materials (BOMs) for UPS and battery systems. I performed redline revisions of UPS one-line diagrams to accurately reflect engineering intent and maintain configuration control. Additionally, I standardized engineering instructions, installation documentation, and wiring charts, which improved constructability and reduced installation errors in manufacturing and field deployment.
Ride-Through Capability Definition for UPS Systems (2024 – 2025)
I developed technical documentation that defined UPS ride-through performance during transient events, including voltage sags, momentary interruptions, and load transfer conditions. I analyzed the system’s dynamic response characteristics under various disturbance scenarios and translated the performance data into clear engineering specifications for use in design and application engineering. I established and documented the system operating capability limits to support reliable operation in mission-critical environments.
Root Cause Analysis and Continuous Improvement (2024 – 2025)
I led root cause analysis (RCA) investigations for multiple field failures, manufacturing defects, and performance issues involving UPS and battery systems. I applied structured failure analysis methods to identify underlying root causes, recommended corrective actions, and implemented preventive measures that enhanced overall product reliability. I also participated in component qualification and value engineering initiatives, balancing cost optimization with sustained compliance and performance requirements.

Cross-Functional Engineering Support and NPI Participation (2024 – 2025)
I provided direct engineering support to R&D, manufacturing, quality assurance, and supply chain teams throughout product development and deployment cycles. I actively participated in design reviews and new product introduction (NPI) processes, where I delivered technical input on system design, application suitability, and field implementation considerations. I mentored junior engineers on UPS system application, design interpretation, and best practices for commissioning support.

WORK EXPERIENCE

Schneider Electric
North Carolina (United States)
Senior Power Systems Engineer PCA
August 2025—May 2026

Verified by
Sospeter Adongo
sospeter.adongo@se.com

Experience Summary
Full-Time
Engineering: 9 months
Experience under licensed engineer: 9 months

TASKS

From 2025 to 2026, I have performed engineering design and consulting for protection, control, and automation (PCA) systems in medium and low voltage power distribution networks supporting mission-critical facilities, including data centers and other critical infrastructure.
I developed and modified electrical one-line diagrams, three-line diagrams, control schematics, and wiring diagrams for UPS-integrated power distribution systems.
I designed protection and control schemes for Main-Main, Main-Generator, Main-Tie-Main, and Main-Tie-Generator configurations to ensure safe, reliable, and coordinated system operation under both normal and fault conditions.
I configured and modified PLC logic and HMI interfaces for automatic transfer systems, including generator start/stop control, load transfer sequencing, synchronization permissive, and alarm functionality.
I developed and updated Sequence of Operations (SOO) documents to clearly define system behavior and ensure alignment between customer requirements and the implemented control systems.
I performed protection relay configuration, settings calculations, and functional testing to achieve proper coordination, selectivity, and equipment protection performance.
I selected and specified electrical components, including protection relays, PLCs, control devices, and associated hardware based on project requirements and coordination studies. I prepared bills of material (BOM) consistent with the engineering design. I also provided technical support during proposal and pre-sales phases by translating customer requirements into compliant technical solutions within defined scope, schedule, and budget constraints. Additionally, I executed commissioning and startup activities, performed troubleshooting, and conducted root cause analysis of protection and control system issues to restore and optimize system performance. Approximately 95% of my responsibilities in this role have been directly related to electrical engineering activities focused on power system protection, control, and automation and the remaining 5% has been for project management.

REPRESENTATIVE PROJECTS

1. Protection, Control, and Automation System Design for Mission-Critical Power Systems (2025)
I analyzed electrical one-line and three-line diagrams for medium and low voltage distribution systems and personally modified control schematics and wiring diagrams to incorporate automated transfer schemes. I designed protection and control architectures for Main-Main, Main-Generator, Main-Tie-Main, and Main-Tie-Generator configurations. I performed protection coordination studies, calculated relay settings, and selected appropriate protection relays, PLCs, and auxiliary devices to ensure selective coordination and equipment protection. I defined interlocking schemes and control logic requirements to guarantee safe operation during power transfers under normal and abnormal conditions.
2. PLC and HMI Programming for Automatic Transfer and Power Management Systems (2026)
I developed and modified PLC logic programs for automatic transfer schemes in critical power systems. I implemented control sequences for generator start/stop, load shedding, synchronization permissives, and fail-safe operations. I designed and configured HMI interfaces to provide operators with real-time system status, alarms, and transfer sequence visibility. I validated the PLC and HMI functionality through simulation and bench testing against the approved Sequence of Operations (SOO) to confirm correct system behavior in all defined operating modes.
3. Sequence of Operations (SOO) Development and Commissioning Support (2025)
I authored and refined detailed Sequence of Operations documents for automated power transfer systems based on customer specifications and system design constraints. I translated functional requirements into clear operational logic, including system states, transition criteria, interlocks, and fault response sequences. During on-site commissioning, I performed functional testing of protection relays, PLC logic, transfer schemes, and control interlocks. I identified and resolved operational discrepancies, implemented corrective logic modifications, and verified compliance with design intent prior to system handover.
4. Protection Relay Configuration, Testing, and System Coordination (2026)
I configured protection relays for medium and low voltage switchgear, developing settings for overcurrent, differential, and transfer-related protection functions. I reviewed and implemented relay settings consistent with short-circuit study results and time-current coordination requirements. I conducted functional testing and simulated fault conditions during factory acceptance

testing (FAT) and site commissioning to verify correct relay operation and system selectivity. I analyzed test results and recommended setting adjustments to optimize protection performance.

5. Engineering Consulting, Proposal Development, and Technical Support (2025)

I supported pre-sales engineering efforts by evaluating customer technical requirements and developing compliant protection and control system solutions. I defined system architectures, protection schemes, control strategies, and BOM content for proposals. I prepared technical reports and engineering documentation that summarized design intent, point of work risk assessment, job hazard analysis, control philosophy, and protection coordination outcomes. I served as the primary technical point of contact, explaining complex protection and automation concepts to both technical and non-technical stakeholders.

6. Troubleshooting, Root Cause Analysis, and System Optimization (2025)

I led troubleshooting of protection and control system malfunctions affecting power transfer reliability. I performed detailed root cause analysis to identify issues in relay settings, PLC logic, wiring, and configuration. I recommended and implemented corrective actions, including relay setting revisions, logic modifications, and hardware adjustments to restore proper operation and improve long-term system reliability.

CREDENTIALS EVALUATION - ENGINEERING

ADEGBOYE, OLUWASEGUN
(24-737-71)

DEGREES EVALUATED

Institution/Degree	Country	Language	Courses
Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering 01/01/2011 — 03/01/2018	Nigeria	English	74
East Tennessee State University / Masters in Engineering Technology 08/01/2022 — 05/01/2024	United States	English	None

COMPARABILITY SUMMARY

Outcome: Equivalent

Area	Hours	Deficiency
Math/Science	39 / 32	None
Engineering	77 / 48	None
General Education	14 / 12	None
Elective/Other	30 / N/A	None

MATH/SCIENCE

Specified Criteria Hours: 32

Course	Institution/Degree	U.S. Credits
Analytical Geometry	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	4
Biology I	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	3.2
Biology II	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	3.2
Calculus I	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	3.2
Calculus II	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Calculus III	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Chemistry I	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	4
Chemistry II	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	4
Engineering Statistics	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Modern Physics	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Physics I	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	4
Physics II	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	4
	Total semester credit hours earned:	**39.20**

Specified Criteria Hours: 48

Course	Institution/Degree	U.S. Credits
Acoustics	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Communication Systems	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Control Engineering	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Digital Communications	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Digital Electronics	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Electric Circuits Theory I	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Electric Circuits Theory II	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Electrical Engineering I	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	3.2
Electrical Engineering II	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Electrical Engineering Materials	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Electrical Machines I	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Electrical Machines II	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Electrical Power	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Electrical Systems Design	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Electromagnetic Fields & Waves	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Electronic Engineering I	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	3.2
Electronic Engineering II	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	3.2
Engineering Lab	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Engineering Mechanics	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Fields, Waves & Transmissions Lines	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Fluid Mechanics	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4

Industrial Electronics	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Microprocessor	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Microwave Engineering	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Network Synthesis	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Physical Electronics	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Power Electronics	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Project I	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Project II	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Properties of Materials	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Radio Engineering	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Signals & Systems	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Strength of Materials	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Telecommunication Systems	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Thermodynamics	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
	Total semester credit hours earned:	**76.80**

GENERAL EDUCATION

Specified Criteria Hours: 12

Course	Institution/Degree	U.S. Credits
Accounting	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	0.8
Citizen Education	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Economics	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
English I	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
English II	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
History of Science & Technology	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Law	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Marriage & Family	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Principles of Management	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	0.8
Technology & Society	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	0.8
	Total semester credit hours earned:	**13.60**

ELECTIVE/OTHER

Specified Criteria Hours: N/A

Course	Institution/Degree	U.S. Credits
Algebra & Trigonometry	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	4
Civil Engineering Practice	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Computer Applications	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Computer Programming	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	2.4
Computer Technology	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	0.8
Drawing	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Electrical Instruments & Measurements I	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Electrical Instruments & Measurements II	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Engineering Drawing I	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Engineering Drawing II	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Engineering Project Proposal	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Equipment Maintenance	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Industry Trends	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Mechanical Maintenance	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Patents & Inventions	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Workshop Technology I	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
Workshop Technology II	Ladoke Akintola University of Technology / Bachelors in Electronic and Electrical Engineering	1.6
	Total semester credit hours earned:	**29.60**

Total Semester Credit Hours Earned: 160

PROCESS DESCRIPTION

All education is compared to the NCEES Engineering Education Standard

The evaluation of your academic studies has been prepared to provide engineering and surveying licensing boards with the required assessment of foreign qualifications to facilitate them in determining if you qualify for licensure examination. This is an advisory report prepared based on records received and verified by the institutions issuing the degrees or qualifications. Eligibility to take the examination is determined by the licensing boards.

This report does not include the assessment of written and oral communication skills, computer skills, the quality of laboratory or field work, and the scope of design experience, which require an onsite review. Academic records (such as transcripts and catalogs) do not document qualitative factors and practical constraints to desirable outcomes.

NCEES houses a library of reference materials from around the world. These references are used for the completion of evaluations in conjunction with the NCEES Engineering Education Standard.

Post-graduate courses are ONLY used in an evaluation if they can assist in eliminating deficiencies that may be indicated in the undergraduate program.

Official Evaluations are ONLY available to state licensing boards and international exam sites through an applicant's NCEES account.

DYLAN COX (21-697-15)

All work experience reviewed by two licensed professionals

DISCIPLINE: ELECTRICAL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/27/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
4 years

Total Engineering Experience
4 years

Experience under licensed engineer
4 years

Other Experience

Disciplinary Action
None reported

EDUCATION

Associates in Applied Science
Community College of the Air Force
May 2012–April 2018

Bachelors in Electrical Engineering (EAC)
University of Nevada, Reno
August 2018–May 2022

EXAMS

Fundamentals of Engineering (FE)
Nevada
September 2021

Principles and Practice of Engineering (PE)
Electrical & Computer
Colorado
November 2023

LICENSES

Additional Licenses
None

DYLAN COX (21-697-15)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

United States Airforce
Nevada (United States)
2X377 Tactical Aircraft Maintenance (Craftsman)
July 2012—July 2018

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor:
None

DESCRIPTION

DYLAN COX (21-697-15)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Merrick and Company
Colorado (United States)
Electrical Engineer I
May 2022—May 2026

Verified by
Jake Alexander Gleusner
jake.gleusner@merrick.com

Experience Summary
Full-Time
Engineering: 4 years
Post EAC degree: 4 years
Experience under licensed engineer: 4 years

TASKS

As an electrical engineer in training, I have been responsible for drafting and creating 3D models using Revit to develop construction drawings. I have also been responsible for reviewing applicable codes and standards for a project to ensure the designs are compliant. My design focus has been on the fire alarm system and over the years has expanded to power, lighting, and access control. The projects I have been a part of are for biocontainment and nuclear facility design which poses unique design challenges from other buildings, therefore, I have been responsible for additional code compliance, such as National Institutes of Health and the Canadian Biosafety Standard. Additionally, I have written basis of design reports and statements of work.

Due to some of the facilities housing animals, I have needed to factor this into the type of fire alarm detection system needed to not only safeguard the human occupants, but also for the animals since certain alarms can trigger distress. Additionally, these facilities require heightened levels of security, specifically access control and power. I have been responsible for designing a new power system with N+1 redundancy and backup power to ensure the lab equipment data isn't lost and the containment isn't compromised during a utility power or maintenance outage.

Over the years, I have advanced my knowledge by learning software, ElumTools and SKM, for lighting and distribution system calculations, respectively. Additionally, I have performed feeder, branch, and motor circuit sizing calculations, as well as voltage drop calculations for fire alarm and power distribution systems.

REPRESENTATIVE PROJECTS

For a Canadian Nuclear Laboratory in Chalk River, ON, CAN, which spanned May 2022 – May 2025, I designed fire alarm system, developed lighting and sound calculations to ensure adequate coverage, and performed conductor and overcurrent protection calculations for motors. This 3-story facility is to conduct nuclear research with hot cells and several labs throughout the floors. Given the radioactive hot cell environment, I researched various methods of fire detection for these spaces, taking into consideration operational temperatures, viable mounting locations, and maintenance/inspection, before determining thermal probes in the exhaust duct to provide the most effective means of detection, while avoiding nuisance trips. I calculated the voltage drop, amperage loading, and battery sizing for this system.

For the University of Saskatchewan, in Saskatoon, CAN, which spanned February 2023 – Oct 2023, I developed the fire alarm system for the animal holding area of the facility. This facility was a 2-story wing with a basement to house various animals for research, necropsy, and personnel support spaces. Special considerations, such as cleaning methods and the impacts of annunciation methods on the animals, were evaluated during the design. Since I was limited to devices compatible with the existing fire alarm system, I worked with the client and vendor to select devices that wouldn't impact their research from animal disturbances and still safeguarding the occupants. In non-human primate areas, signs were paced, in rodent rooms, red strobes were placed, in bat rooms, amber strobes were placed, and in cattle areas, only horns were placed.

For Northrop Grumman, in Waynesboro, VA, which spanned June 2023 – August 2024, I performed design support to verify branch and feeder voltage drop calculations, motor branch circuit, and lighting design. This facility is to serve as a manufacturing and research and development for military applications. Due to the size of the facility, the cost benefit of copper vs aluminum was evaluated which led to switching to aluminum conductors. This impacted the conductor sizing and conduit fill which I recalculated to align with NFPA 70 requirements. Additionally, I reviewed clash coordination and worked with mechanical, architecture, and structural engineers to resolve the designs before issuance for construction.

For the Western University, in London, ON, CAN, which spanned from January 2024 to May 2026, I led a three-person team in designing a new pathogen and research center. From developing a basis of design and issuing construction documents, my focus

was on designing the power infrastructure, access control, and fire alarm system. This two-story facility with a basement mechanical space, is intended for pathogen research and pharmaceutical development. Through the various stages of design, the facility changed which impacted the electrical systems. I calculated new voltage drops for each feeder and branch circuit, re-sized the generator and utility transformer based on new HVAC loads, and re-designed the equipment layout, considering constructability and the operations and maintenance throughout the life of the facility. During the construction phase, I have worked redesigns from realized constraints and reviewed technical drawings to ensure compliance with design specifications.

For the Plum Island Animal Disease Center, in Plum Island NY, which spanned from August 2024 to May 2026, I have written design reports and statements of work on how to systematically shutdown buildings on the compound and maintain support operations. The campus of buildings will be shut down and research operations relocated to the National Bio and Agro-Defense Facility. To facilitate the relocation, various buildings will be decontaminated and decommissioned. I have reviewed the site conditions and as-builts to de-energize the buildings while maintaining power, lighting, and low voltage systems to function during the transition period.

For Energy Fuels, in Blanding, Utah, which spanned from October 2025 to May 2026, I have developed a Basis of Design for a new building to process nuclear materials. This facility will use hot cells and existing site infrastructure to refine raw materials into processed materials for other uses. I have worked with the client scientists and other engineering disciplines to develop building load calculations and equipment sizing to ensure adequate space is reserved in the facility to protect the occupants. I have also design the distribution system with consideration towards emergency loads, N+1 redundancy, and system reliability.

ANDREW HARRIS (22-438-91)

All work experience reviewed by two licensed professionals

DISCIPLINE: ELECTRICAL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
05/15/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
4 years

Total Engineering Experience
4 years

Experience under licensed engineer
4 years

Other Experience

Disciplinary Action
None reported

EDUCATION

Bachelors in Biology
University of Nevada, Reno
August 2015–August 2018

Bachelors in Electrical Engineering (EAC)
University of Nevada, Reno
January 2019–May 2022

EXAMS

Fundamentals of Engineering (FE)
Nevada
January 2022

Principles and Practice of Engineering (PE)
Electrical & Computer
Nevada
December 2023

LICENSES

Additional Licenses
None

WORK EXPERIENCE

Coyote Moon Golf Course
California (United States)
Pro-Shop Attendant (Non-Engineering Position)
May 2015—October 2024

Verified by

Experience Summary
Part-Time
Other: (0%)
Experience under licensed surveyor:
None

DESCRIPTION

ANDREW HARRIS (22-438-91)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

NV Energy
Nevada (United States)
System Protection Engineer II
May 2022—May 2026

Verified by
Joshua David Icenhower
joshua.icenhower@nvenergy.com

Experience Summary
Full-Time
Engineering: 4 years
Post EAC degree: 4 years
Experience under licensed engineer: 4 years

TASKS

I perform protection and control engineering for transmission and distribution systems at the 345 kV and 120 kV levels. My responsibilities include development, verification, and maintenance of protection schemes to ensure system reliability, safety, and compliance.
I develop protection relay settings for transmission lines, line reactors, buses, breakers, capacitor banks, transformers, and distribution feeders. Settings include distance, line differential, transformer differential, phase and ground overcurrent, out-of-step, synchronism check, voltage, capacitor voltage differential, and custom user logic using AcSELerator QuickSet.
I perform system modeling and fault studies in ASPEN One-liner to determine fault duties, relay coordination and zone reaches. Fault studies are used to support protection design, transmission planning requests, and large customer interconnections.
I review protection system event records using SEL SynchroWAVE Event software to evaluate relay performance during BES disturbances and fault events, verifying correct operation and identifying mis-operations.
I review and approve protection and control design packages for substations from 30% design through IFCs.
I develop and maintain protection relay setting standards and protection and control drawing standards for the system protection department.
I coordinate protection settings and project execution with large load and generation customers to ensure proper interconnection protection and coordination with the NVE system.
I support NERC and CIP compliance standards, including PRC-004, PRC-005, PRC-023, PRC-027, TPL-001-5, CIP-002, CIP-007, and CIP-010, through engineering evaluation, documentation, and corrective actions plans.
I program SEL-3555 RTACs to provide SCADA analogs, status, alarms, and control signals to System Control.
I develop remedial action schemes, including analysis, logic implementation, testing plans, and presentations to WECC RASRS.
I participate in 24/7 on-call rotations, respond to relay-related outages and alarms, and mentor junior engineers.

REPRESENTATIVE PROJECTS

Project: 345 kV Greenfield Substation and 400 MW BESS/Solar Interconnection
Role: Protection Engineer
I provided protection and control engineering for the initial build of a new 345 kV substation integrating a 400 MW IBR customer. I reviewed and approved protection and control design drawings, and I developed new standard drawings for remedial action scheme protection racks and line reactor protection racks. I modeled the 345 kV transmission system in ASPEN OneLiner, including IBR generation, two generator step-up transformers, and three 345 kV transmission lines. I calculated line impedances using ASPEN Line Constants and used this model to perform fault and coordination studies. Based on Aspen Studies, I calculated and implemented relay settings for three transmission lines, one line reactor, two buses, and five circuit breakers. I verified coordination with upstream and downstream protection to ensure system reliability and protection. A important part of this project was development of a remedial action scheme. I designed and implemented custom relay logic to detect system contingencies and initiate RAS actions, coordinating interfaces with the customer's BESS and solar control systems. I programmed an SEL RTAC to send analogs, status, alarms, and control points to System Control. I supported commissioning activities by assisting relay technicians with relay testing and validation of line differential communication schemes. After commissioning, I reviewed test results and archived all evidence to meet compliance and operational requirements.
Project: 120 kV Substation Protection & Control Rebuild
Role: Protection Engineer
I performed protection and control engineering for a full rebuild of an existing 120 kV substation. I reviewed protection and control design drawings for all relays and equipment to ensure compliance with utility standards and NVE protection philosophy. I modeled the transmission lines and capacitor bank in ASPEN OneLiner and calculated line impedances using ASPEN Line Constants. Using ASPEN and Excel, I developed relay settings for distance, overcurrent, out-of-step, synchronism check, voltage check, and custom user logic functions. I performed fault studies to verify relay reaches, coordination, and system selectivity. After completing protection settings, I supported commissioning by assisting relay technicians with relay checkout, end-to-end testing,

and verification of protection communication schemes. I reviewed test results to confirm settings performance. I programmed an SEL RTAC to provide SCADA alarms, status, and control points to System Control. Upon project completion, I reviewed and approved test documentation and uploaded commissioning evidence to the NVE database to support compliance requirements.
Project: 120 kV Substation Expansion with 120/24.9 kV Distribution Transformation
Role: Protection Engineer
I performed protection and control engineering for a 120 kV substation addition that included installation of a 120/24.9 kV three-winding distribution transformer, four 25 kV distribution feeders, two 120 kV circuit breakers, and new 120 kV bus. I reviewed transformer factory acceptance test reports to verify compliance with NVE standards and confirmed impedances required for protection modeling. Using FAT data, I modeled the three-winding transformer in ASPEN OneLiner, including accurate impedance representation. I performed transformer differential protection calculations, including determination of matrix compensation factors for SEL relays. I developed protection settings for four 25 kV distribution feeders for load customers. I analyzed coordination requirements to ensure proper operation with downstream reclosers and upstream transformer overcurrent protection. Coordination was verified through Aspen Fault studies and protection curve evaluation. I supported commissioning activities by assisting relay technicians with primary injection testing of the transformer differential protection, verifying correct CT polarity, ratios, and relay performance. I reviewed test results to confirm protection will operate as expected. In addition to protection engineering, I designed a new HMI screen standard to provide alarms and status information to field personnel. Upon project completion, I verified the accuracy of test documentation and uploaded records to the utility database to support compliance and operational evidence requirements.

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
June 2013	April 2015	I had graduated high school and went to play baseball at Solano Community College for 2 years

Environmental

DANN LIMUEL LAT (22-538-87)

All work experience reviewed by two licensed professionals

DISCIPLINE: ENVIRONMENTAL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
06/01/2026

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
4 years

Total Engineering Experience
4 years

Experience under licensed engineer
2 years, 8 months

Disciplinary Action
None reported

EDUCATION

Bachelors in Chemical Engineering (EAC)
Louisiana Tech University
September 2017–May 2022

EXAMS

Fundamentals of Engineering (FE)
Louisiana
March 2022

Principles and Practice of Engineering (PE)
Environmental
Nevada
July 2025

LICENSES

Additional Licenses
None

DANN LIMUEL LAT (22-538-87)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Nalco Water, An Ecolab Company
Nevada (United States)
District Representative
June 2022—October 2023

Verified by
Jase Goodrich
Jase.Goodrich@ecolab.com

Experience Summary
Full-Time
Engineering: 1 year, 4 months
Post EAC degree: 1 year, 4 months
Experience under licensed engineer: None

TASKS

In my role, I actively engaged in problem solving by conducting comprehensive system analyses, that sometimes take up to months, carefully interpreting data, and formulating written reports as recommendations to enhance the efficiency and effectiveness of customer assets such as cooling towers, boilers, and closed loop systems. I played a pivotal role in the seamless start up of new application across various customer accounts with the help of the sales representatives. I identified customer business needs and recommended continuous improvement and innovations to sustain and expand customer assets. Furthermore, I provided technical support to customers, promptly identifying and resolving different challenges that may be related to corrosion, scale issues, and bio issues. I actively promoted Nalco water innovations and technologies, fostering long-term business relationships based on leading technology's reliabilities and success.

REPRESENTATIVE PROJECTS

Project 1: Optimization of Chlorine Input systems. Dates: June 2022 - October 2023. Location: Various Caesars entertainment industrial facilities.
Project Details: I designed a chlorine input system by implementing a PID logic based system. This project aimed to reduce stress on the system and operational costs. It involved studying system dynamics, analyzing chlorine data which was gathered 3 times a week, and implementing control strategies to prevent overfeeding chlorine or under feeding chlorine to a cooling tower system. The project duration was for the whole time I was with Nalco water, covering multiple cooling tower sizes and facilities.
Project 2: Trasar Control optimization for Caesar Entertainment properties. Dates: June 2022 - October 2023. Location: Harrah's Entertainment, Caesars Palace, The Cromwell.
Project details: I designed another PID logic based system this time for the Trasar chemical which helped maximize cooling tower cycles, which overall improves efficiency, while lowering scale and bio issues. I conducted assessments of existing Trasar control systems, analyzed system performance (especially during peak summer seasons where the cooling tower was running at its hardest and during the coldest winter weathers especially when the evaporation rate of water is at its minimum), recommended adjustments to control parameters, and conducted field evaluations and observations to ensure optimal performance while minimizing chemical costs.
Project 3: Optimization of Chlorine systems for domestic water in hotels. Dates: June 2022 - October 2023. Location: Caesar's Palace
Project Details: I collaborated with hotel engineering teams to optimize chlorine systems for domestic water, with a focus on maintaining legionella levels at 0 while keeping residual chlorine at a minimum. This project involved compliance with health regulations to keep public and tourists safe from any waterborne pathogens.

WORK EXPERIENCE

Southern Nevada Health District
Nevada (United States)
Environmental Health Engineer
October 2023—June 2026

Verified by
Daniel Charles Burns
burnsd@snhd.org

Experience Summary
Full-Time
Engineering: 2 years, 8 months
Post EAC degree: 2 years, 8 months
Experience under licensed engineer: 2 years, 8 months

TASKS

I participated in the development and implementation of goals, objectives, policies, and priorities for Environmental Health engineering programs. I also recommended and supported the implementation of procedures to ensure our programs align with public health and environmental safety standards.
I reviewed plans for subdivisions, parcel maps, and planned unit developments, ensuring that proposed projects comply with all applicable health and engineering regulations.
I provided oversight for water supply systems, wastewater treatment and disposal, and solid waste programs. I evaluated these systems to determine compliance with relevant standards and enforce a wide range of public health laws and regulations to maintain safe environmental conditions.
In addition, I perform and verify engineering calculations and review technical materials, including designs, drawings, and maps, to ensure accuracy and compliance with established standards.
I also review and prepare technical data and reports. As part of my responsibilities, I review and approve geotechnical reports, and issue sewage disposal permits and certifications in accordance with established regulations.
Additionally, I responded to and resolved any difficult and sensitive citizen inquiries and complaints, ensuring that public concerns are addressed professionally and effectively. I ensure adherence to safe work practices and procedures at all times.
I also performed and verify engineering calculations and review technical materials, including designs, drawings, and maps, to ensure accuracy and compliance with established standards. I carry out related duties and responsibilities as required to support the mission of the department and promote public health.

REPRESENTATIVE PROJECTS

Project 1: Review of Subdivision Projects per NAC Chapter 278 – Planning and Zoning
Dates: October 2023 – Present
Location: Southern Nevada Health District
Project Details:
I reviewed Tentative Maps, Improvement Plans, and Final Maps in accordance with NAC 278.260. My role involved ensuring that submitted Improvement Plans complied with the required separation distances and infrastructure criteria outlined in the Uniform Design and Construction Standards and the Design and Construction Standards for Wastewater Collection Systems.
This work covered projects throughout the Las Vegas Valley, including the jurisdictions of the City of North Las Vegas, City of Las Vegas, City of Henderson, and Unincorporated Clark County. For projects located in the City of Mesquite, I referred to standards from the Virgin Valley Water District.
Subdivision projects I have reviewed include, but are not limited to, developments in Summerlin Village, Monte Cristo & Torino, Lakemoor Development Area, etc.

Project 2: Review of permitted disposal facilities which include new application and permit modification.
Dates: October 2023 - Present
Location: Southern Nevada Health District
Project Details:
My responsibilities included reviewing applications for new permitted disposal facilities, as well as modifications for existing ones. These modifications encompassed, but were not limited to, changes in site plans, capacity, ownership, and facility names. All reviews were conducted in accordance with the Southern Nevada Health District Solid Waste Management Authority Regulations. Examples of these permitted disposal facilities include Vital Records Control LLC (a Recycling Center), Baker Commodities, INC (a Waste Grease Facility), Las Vegas Polymer (a Materials Recovery Facility), and Edgewood (formerly known as Ryze Renewables) (a Waste-to-Fuel Energy facility).

Project 2: Review of new septic applications (residential and commercial) and commercial holding tanks as well as tenant

improvements for properties with septic systems.
Dates: October 2023 - Present
Location: Southern Nevada Health District
Project Details:
For new septic applications, my responsibilities included reviewing plans and recommending necessary changes. This often involved increasing or decreasing the size of the leach field, relocating the septic system due to poor soil conditions, or ensuring compliance with required setbacks as outlined in the Southern Nevada Health District's Individual Sewage Disposal Systems and Liquid Waste Management Regulations. The review process for new septic applications consists of several key steps: examining plumbing/floor plans to determine the required septic system size; reviewing grading plans and geotechnical reports; confirming an approved water source (which could be a private domestic well, a quasi-municipal well, or a Southern Nevada Water Authority system requiring a waiver due to Assembly Bill 220); and reviewing the Sewer Inquiry Letter.
Tenant Improvement projects vary widely, from constructing a shed or pool on a property with an existing septic system, to building a new house on a vacant parcel that already has an existing septic system. My primary task for these projects is to ensure that the proposed additions meet all requirements outlined in the ISDS regulations. This involves tasks such as calculating fixture units to verify the existing tank's capacity for the proposed additions, and determining required setbacks for the project.

Land Surveying

JASON LORD (18-893-10)

All work experience reviewed by two licensed professionals

DISCIPLINE: LAND SURVEYING

GENERAL

Applying To
Nevada

Application Type
Initial - PS

Application Date
05/08/2026

Citizenship
United States

SUMMARY

Total Surveying Experience
8 years, 2 months

Experience under licensed surveyor
8 years, 1 month

Other Experience

Disciplinary Action
None reported

FS EXAM

PS EXAM

4+

EDUCATION

Bachelors in Biological Science: Human Biology
University of Northern Colorado
June 1988–December 1993

Non-degree
Aims Community college
June 1989–August 1989

Non-degree
Colorado State University
January 1998–December 1998

Non-degree
Metropolitan State College Denver
January 2008–December 2008

Non-degree
Front Range Community College
January 2014–July 2015

Non-degree
New Mexico State University
January 2021–December 2021

Non-degree (In progress)
New Mexico State University
January 2021–June 2027

LICENSES

Additional Licenses
None

EXAMS

Fundamentals of Surveying (FS)
Colorado
August 2022

Principles and Practice of Surveying (PS)
Nevada
March 2025

WORK EXPERIENCE

Some Temp Agency name unknown now
Colorado (United States)
Laborer at Kodak 24 hr color paper production
May 1989—August 1989

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

JASON LORD (18-893-10)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Smiling moose bar and grill
Colorado (United States)
Dish washer
September 1989—March 1990

Verified by

Experience Summary
Part-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

JASON LORD (18-893-10)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

porter industries
Colorado (United States)
Janitor
May 1990—June 1991

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

WORK EXPERIENCE

City of Greeley
Colorado (United States)
Facilities Technician
June 1991—July 1992

Verified by

Experience Summary
Part-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

WORK EXPERIENCE

Northwest Supply
Colorado (United States)
Metal Shop Laborer
August 1992—December 1993

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

JASON LORD (18-893-10)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Winter Park Resort
Colorado (United States)
Cook
December 1993—April 1994

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

WORK EXPERIENCE

Cafe De LA Paix
Colorado (United States)
Owner
May 1994—December 1994

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

WORK EXPERIENCE

Pour La France
Colorado (United States)
Line Cook
December 1994—March 1995

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

WORK EXPERIENCE

Ft Collins Loveland Water District
Colorado (United States)
Field worker
April 1995—August 1995

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor:
None

DESCRIPTION

JASON LORD (18-893-10)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

City of Ft Collins
Colorado (United States)
Lab Sampler Worker
December 1995—May 1998

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

WORK EXPERIENCE

Rocky Mountain Lions Eye Bank
Colorado (United States)
Donor tissue coordinator
May 1998—December 1999

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

WORK EXPERIENCE

BeWellNet
Colorado (United States)
Support technician
January 2000—April 2000

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor:
None

DESCRIPTION

WORK EXPERIENCE

Galileo International
Colorado (United States)
Global Level Two Help Desk
April 2000—October 2000

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

WORK EXPERIENCE

Computer Task Group
Colorado (United States)
ISLS level 2 support desk
October 2000—June 2005

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

JASON LORD (18-893-10)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Magee Geophysical Services LLC
Nevada (United States)
Geophysical Surveyor
June 2005—December 2008

Verified by
Jason Lord (Self)

Experience Summary
Full-Time
Surveying: (0%)
Experience under licensed surveyor: None

TASKS

Setting up GPS BASE and rover, using rover GPS to collect differential GPS with Gravity station measurements.
Crew and equipment logisitics and field project management.
Daily data processing in TGO office and TBC.
Ground magnetics exploration work with proton procession magnetometers and GPS
Calibration and repair and maintenance of equipment.
Travel arrangements international shipping logisitics

REPRESENTATIVE PROJECTS

Carlin Trend Project: Gravity mapping and geo-magnetics using relative gravity meters< differential GPS and
Diamond Range and Railroad Valley Projects
Magnetic Work All Across Nevada Idaho and Arizona

WORK EXPERIENCE

Kelly Engineering Services
Colorado (United States)
Field Surveyor
July 2009—August 2009

Verified by
Jason Lord (Self)

Experience Summary
Full-Time
Surveying: (0%)
Experience under licensed surveyor: None

TASKS

Provided GPS Ground Support for flight operations to assist engineering proof of concept and demonstration of capability for Synthetic Aperture Radar and LiDAR at China Lake Naval WeaponsTesting Facility.

Performed PPK survey, Base Station occupation, and monument discovery and occupation for Wide Area Assessment initial phase project rollout for UXO group

Recon and set up of GPS stations and data acquisition.
Operate and monitor multiple location GPS collection sites for projects
GPS survey data acquisition for radar target calibration and project target placement.
Reduce data and perform QA/QC for final processing to the Project leads.

REPRESENTATIVE PROJECTS

Sesnor proof of development project at China Lake Naval Base

WORK EXPERIENCE

Magee Geophysical Services LLC
Nevada (United States)
Field Surveyor/Project Manager
April 2010—November 2010

Verified by
Jason Lord (Self)

Experience Summary
Full-Time
Surveying: (0%)
Experience under licensed surveyor: None

TASKS

Previous description is same work.

REPRESENTATIVE PROJECTS

Geophysical Surveying for Multiple years, too many projects to list here.

Gravity and magnetic data collected for multinational and prospecting gold investment companies.

JASON LORD (18-893-10)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

TLI Solutions
Colorado (United States)
Environmental Scientist
November 2010—October 2013

Verified by
Jason Lord (Self)

Experience Summary
Full-Time
Surveying: (0%)
Experience under licensed surveyor: None

TASKS

I participated in developing and writing:
Historical Records Review Reports, Community Relations Plans, and Conceptual Site Model development for Military Munitions Response Program (MMRP) Projects.
Site Inspection/Remedial Investigation Work Plans, Field Sampling Plans, Munitions and Explosives of Concern Support Work Plans, Accident Prevention Plans, and SI Reports.
Evaluate data/prepare Munitions Response Site Prioritization Protocols for MMRP projects.
Participate in SI field work activities including: soil sampling, visual, GPS, and instrument surveys.

Performed GPS and DGM data collection for Munitions Removal Action at a commercial site, Orlando, FL, on former Pine Castle Jeep Range, January 2013.
Duties included daily set up and QC of geophysical equipment, RTK base station and rover set up, data collection and grid layout for DGM collection, target reacquisition and placement dig flags, and equipment troubleshooting and resolution.

Participated in a blind seeding project at the former Camp Beale in support of the ESTCP/SERDP advanced sensor project.
Duties included set up and support of RTK base and rover, pick and shoot locations for seed items, bury and hide inert seed munition items and ISOs recording depth/orientation, for interrogation by advanced sensor during follow up project

Participated in an EPA Emergency Response Water Sampling event under the coordination of USEPA Region 3 START team based out of Wheeling, WV as a Response Specialist.
Duties included: Logistics for sampling event equipment and supplies, preparing and decontaminating sampling equipment, Water Sample initial screening tests and GPS collection and data reduction of GIS output for the project. I participated in developing and writing: Historical Records Review Reports, Community Relations Plans, and Conceptual Site Model development for MMRP Projects. Site Inspection/Remedial Investigation Work Plans, Sampling Plans, Munitions and Explosives of Concern Support Work Plans, Accident Prevention Plans, and SI Reports. Evaluate data and prepare Munitions Response Site Prioritization Protocols for MMRP projects.

REPRESENTATIVE PROJECTS

Performed GPS and DGM data collection for Munitions Removal Action at a commercial site, Orlando, FL, on former Pine Castle Jeep Range, January 2013.

JASON LORD (18-893-10)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Magee
Nevada (United States)
Field Surveyor
December 2013—January 2014

Verified by

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

DESCRIPTION

WORK EXPERIENCE

Flatirons INC
Colorado (United States)
Instrument Person
March 2014—April 2016

Verified by
Jess Kuntz
jkuntz@flatironsinc.com

Experience Summary
Full-Time
Surveying: 2 years, 1 month
Experience under licensed surveyor: 2 years, 1 month

TASKS

As an instrument person I spent 100 percent of my time performing the basic to advanced daily common field procedures and processes of land surveying. I started with no formal land surveying experience, but had 5 years of gravity and GPS work, and magnetometer with GPS for a background. Mission planning and map interpretation and building.
I routinely: maintained the truck and supplies, performed design and general topographic surveys, ALTA surveys, acted as the crew chief in one man operations, assisted with and received mentorship with the crew chief I was assigned to, operated robotic total stations to collect data and set control, recovered, replaced and observed monuments for the data needed to complete field surveys.

REPRESENTATIVE PROJECTS

Department of the Interior(DOI) Bureau of Reclamation(BOR) survey of Upper Rio Grand New Mexico Reaches from Abbiqui to Elephant Butte Reservoirs for the boundaries of the left and right edge points for the rights of way of the project from approximately 12 October 2015 until 20 March 2016.

For this project I spent 6 months working as an instrument person directly with a Crew chief/licensed land surveyor and was swapped out as needed for more complex work as a Survey Field Technician when I worked alone with GPS or a robotic total station. I worked alone 40% of the time.

I worked in a team of instrument operators, survey technicians and Surveyors utilizing GPS and total stations to perform our boundary work and hand tools, power tools and canoes to make our way through the project reaches.

Using GPS baselines I assisted in establishing control networks that allowed the use of total stations to make the work both accurate and precise and efficient.

I cut line(floor to canopy) to measure with total stations edge point to edge point transects for the exterior boundaries of the accepted areas.

I recovered and or replaced monuments and established as necessary, daily survey duties, and additionally I created a data review table and photographs of the recovered monuments as part of my responsibilities.

Foothills Mall Reconstruction Project: 2014-2015
As an instrument person, I set up and used a total station to check into boundary and grid and control on the project site. I staked the construction work we contracted to perform with my Crew Chief Tom Jenkins overseeing my work and providing me direct support and mentoring.

WORK EXPERIENCE

Park County
Colorado (United States)
GIS Technician
April 2016—April 2017

Verified by
Jason Lord (Self)

Experience Summary
Full-Time
Surveying: (0%)
Experience under licensed surveyor: None

TASKS

GIS data entry and map creation
Meeting with county stakeholders and land owners to provide mapping solutions and create addresses for permitting.
Work with County Surveyor (Jack Kirby) to identify parcels and other parts of ongoing county survey related inforation needed for ownership and tax record research.
Built a database to compare and identify multiple entries for same properties that had various spellings to eliminate overlap and incorrect parcel counts.
Develop and provide maps for the sheriff and the regional fire depsrtments for road access issues and addressing correction process.
Built the then current Snow Loads for Structure web app in ARCGIS to provide county residents and builders a resource(take from the ASCE research) for buildign guidelines in the planning process.

REPRESENTATIVE PROJECTS

Using knowledge of the PLSS and Surveying concepts, I:

Entered survey traverse data to confirm and verify new survey plats, entering historic plats not yet entered in the GIS, and updating existing layers with relevant changes.

Georectifying/Georeferencing images into geospatial layers for depicting snow loads for building professionals to assist in planning and zoning safety requirements. Creating a Geodatabase for topology editing of snow loads, and other parcel data that are related via attributes. Using model builder and other geoprocessing tools to efficiently create and depict required data in a comprehensive map joined to parcel data.

Creating addresses for unaddressed parcels via the addressing model established by the Land Use Regulations and county Commissioner administrative decisions.

Clipping and printing plot plans from plats for county residents and builders to facilitate the building permitting process requirements.

Building and printing maps for the Sheriff's department from established plats, drawings, and stored data for the county roads.

Creating a GPS collection scheme for the Road and Bridge Department for identifying, locating, and depicting the compliance boundaries of gravel pits for Colorado Department of Mining and Geology, and assisting in future planning for permitting the same operations.

Collected the GPS data, reduced and created maps for the same. Trained Right of Way manager for the future collection of additional gravel pit mining area data using Trimble survey grade GPS equipment.

Updating parcel data to reflect the changes provided from the Assessor’s office for: Tax parcel splits, combinations, vacations, lot line adjustments, Administrative Plat Adjustments, and County Commissioner Resolutions.

Using legal descriptions to traverse parcel data contained in survey plats to confirm deeds, depict changes to, and update layer data to maintain conformance with previous data.

JASON LORD (18-893-10)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Stabbing Westward Geospatial Services LLC.
Colorado (United States)
Owner/Consultant
April 2017—August 2017

Verified by

Experience Summary
Part-Time
Other: (0%)
Experience under licensed surveyor:
None

DESCRIPTION

JASON LORD (18-893-10)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Sanborn Inc
Colorado (United States)
Geodetic Engineer
February 2018—August 2018

Verified by
Jared Martin
jmartin@sanborn.com

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor: None

TASKS

More

REPRESENTATIVE PROJECTS

More

JASON LORD (18-893-10)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

City of Brighton
Colorado (United States)
Utility GIS Coordinator
September 2018—March 2019

Verified by
Human Resources
hr@brightonco.gov

Experience Summary
Full-Time
Other: (0%)
Experience under licensed surveyor:
None

TASKS

GIS stuff

REPRESENTATIVE PROJECTS

Water elevation monitoring

JASON LORD (18-893-10)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Stabbing Westward Geospatial Services LLC.
Colorado (United States)
Owner/Consultant
April 2019—November 2019

Verified by
Jason Lord (Self)

Experience Summary
Part-Time
Surveying: (0%)
Experience under licensed surveyor: None

TASKS

Independent Consultant
Independent ConsultantIndependent Consultant
Stabbing Westward Geospatial Services LLC · Self-employedStabbing Westward Geospatial Services LLC · Self-employed Jun 2016 - Present · 8 yrs 11 mosJun 2016 to Present · 8 yrs 11 mos ColoradoColorado

Geospatial consulting services ranging from data collection/reduction, logistics, mission planning, mapping, drafting, siting, data analysis, etc.
Fully registered US Federal contracting company small business with interests in teaming or augmentation to small and large business entities.Geospatial consulting services ranging from data collection/reduction, logistics, mission planning, mapping, drafting, siting, data analysis, etc. Fully registered US Federal contracting company small business with interests in teaming or augmentation to small and large business entities.
Skills: NSPS · Deeds · Title Searches · Statutes · Title Research · Photogrammetry · Communication · ESRI · Computer-Aided Design (CAD) · Critical Thinking

REPRESENTATIVE PROJECTS

Geospatial consulting services ranging from data collection/reduction, logistics, mission planning, mapping, drafting, siting, data analysis, etc.

Fully registered US Federal contracting company small business with interests in teaming or augmentation to small and large business entities.Geospatial consulting services ranging from data collection/reduction, logistics, mission planning, mapping, drafting, siting, data analysis, etc. Fully registered US Federal contracting company small business with interests in teaming or augmentation to small and large business entities.

WORK EXPERIENCE

City of Las Cruces
New Mexico (United States)
Sr Engineer Technician
December 2019—June 2021

Verified by
Scott Thomas Farnham
sfarnham1202@comcast.net

Experience Summary
Full-Time
Surveying: 1 year, 6 months
Experience under licensed surveyor: 1 year, 6 months

TASKS

100 % Surveying

Reviewed construction plans for residential subdivisions, commercial properties, regarding City projects, to ensure compliance with City design standards;
Met with staff engineers, architects and designers to discuss designs;
Assisted in resolving construction problems in the field;
Performed data collection during construction, which may include construction staking, level loops, topographic mapping;

Researched and remain up-to-date on current trends, developments, litigation, and other issues;

Conducted field inspections as scheduled where required.
Performed mapping tasks for City Departmental and Administrative staff using GPS and Scanning Robotic Total stations and software;

Operated and used CAD and mapping software and hardware to develop C3D drawings for projects built by City Departments and outside contractors; conducted surveys, produced drawings; researched easements; prepared, reviewed, and managed permits(internal and external utility locates);

Correspondence with external and internal departments for scheduling and milestone updates

REPRESENTATIVE PROJECTS

Dec 2019-June 2021

Las Cruces International Airport Hangar Leasing and Airport redevelopment project support and surveying:
Created a primary control network by total station traverse and transferred elevation to the network with level loops from the established NGS Las Cruces Benchmark designation: CRUCESAIR, PID - CX1939
Collected data from terrestrial LiDAR scans to perform 3D drafting of the existing Hangars for location size and height, and Basis of bearing for Runway 26/08. Performed extensive topographic mapping and as-built surveying of existing structures, taxiways, utilities, and facilities. Drafted control sheets and planned with a 3rd party vendor for future hangar development under the responsible charge of the City Surveyor.

Hangar Parcel 8A boundary line adjustment/split from existing 3 party parcel - Field Work: Established a control network by traverse and measured existing structures and evidence then established new and set the new parcel corner monumentation under the responsible charge of the City Surveyor.

Parcel 51 creation with new boundary Field Work: Collected existing evidence of boundary and set control and then established and installed the new boundary corners for new parcel conveyance for City of Las Cruces to new party, under the responsible charge of the City Surveyor.

2020-2021
City wide control network for the City of Las Cruces Low Distortion Projection(LDP)
Performed recon and data collection and mission planning for the city wide Las Cruces LDP developed in International Feet in anticipation of the upcoming NGS 2022 rollout.
Performed QA/QC and Adjusted network data for the City Surveyor to verify and accept into the network.

Kalahari regrading Repaving and storm drain installation:
Performed Dense topographic mapping for run off calculations for engineering department of Public works.
Ran level loops to confirm and transfer elevations and staked the construction layout for two new curb inlets, and blue tops and red tops for sub grade and final grade paving.
As-built the final installation and assisted with field finishes with additional topographic mapping and staking as requested

Telshor Blvd CIP for widening sidewalks to ADA specs 2020-2021
Collected field evidence for boundary analysis along Telshor Blvd,
Drafted field collected data to produce preliminary Alignments for engineering and additional property corner searches installed temporary benchmarks and permanent control for the alignment and provided results to the City Surveyor for final approval and stamping and signing.

WORK EXPERIENCE

City of Las Cruces
New Mexico (United States)
Engineer Technician Senior
July 2021—October 2021

Verified by
Jesus Favela Jr
Jesus.favela@SAM.biz

Experience Summary
Full-Time
Surveying: 3 months
Experience under licensed surveyor: 3 months

TASKS

I performed topographic surveying and mapping for the airport GIS and parcel leasing program.
I performed and planned Terrestrial LiDAR Scans and data reduction and workflows.
I performed boundary surveys and researched historical and legal recorded documents to support the analysis and field work for same.
I processed field survey data and created data collection plans for boundary field survey work.
I interacted with clients and contractors and fostered work and professional relationships.
I provided QA/QC for survey related data collection plans and data reduction.
I served as a crew chief for a field survey crew or as a one person crew for surveying construction, land development, topographic, right-of-way, and control survey projects.
I participated in pre-survey planning meetings with project managers, resident project representatives, engineers, and contractor representatives.
I provided input to provide mentoring to new survey crew members regarding survey and mapping methods, use of equipment, and field safety procedures.
I mission planned and supported logistics for survey projects.
I maintained and utilized City of Las Cruces Motor Pool provided vehicles and all related field and office equipment and software.

REPRESENTATIVE PROJECTS

July - Oct 2021 (working with the new incoming City Surveyor, previous City Surveyor Left June 8, 2021)

I supported Boundary determination from field collected and observed data, recorded deeds, documents, PLSS monuments and filed field notes, and set monuments for Airport Parcels with total station and GPS equipment.

I performed design topographic survey data collection, control network development, boundary evidence recovery, data processing, recorded document research and drafting for the Northrise Dr/Sonoma Ranch Intersection development process.

I surveyed City owned irrigation assets and infrastructure and any other land surveying related work under the responsible charge of the City Surveyor.

When requested, I wrote preliminary legal descriptions to be verified/confirmed by the City Surveyor to be platted or used in the entitlement process for project workflows.

I researched parcel information for City wide projects that were under the oversight of the City of Las Cruces Public Works Department for CIP funded projects.

WORK EXPERIENCE

City of Las Cruces
New Mexico (United States)
Sr Engineer technician
December 2019—October 2021

Verified by
Jennifer Morrow
jennifer.morrow@losalamosnm.gov

Experience Summary
Full-Time
Surveying: 1 year, 10 months
Experience under licensed surveyor: None

TASKS

I performed topographic surveying and mapping for the airport GIS and parcel leasing program.
I performed and planned Terrestrial LiDAR Scans and data reduction and workflows.
I performed boundary surveys and researched historical and legal recorded documents to support the analysis and field work for same.
I processed field survey data and created data collection plans for boundary field survey work.
I interacted with clients and contractors and fostered work and professional relationships.
I provided QA/QC for survey related data collection plans and data reduction.
I served as a crew chief for a field survey crew or as a one person crew for surveying construction, land development, topographic, right-of-way, and control survey projects.
I participated in pre-survey planning meetings with project managers, resident project representatives, engineers, and contractor representatives.
I provided input to provide mentoring to new survey crew members regarding survey and mapping methods, use of equipment, and field safety procedures.
I mission planned and supported logistics for survey projects.
I maintained and utilized City of Las Cruces Motor Pool provided vehicles and all related field and office equipment and software.

REPRESENTATIVE PROJECTS

Dec 2019- Oct 2021
(Specifically Jun-July 2021 as my direct supervisor in absence of a City Surveyor between personnel changes, and as a superior in my department the entire time employed)
Las Cruces, New Mexico

I provided para-professional surveying services for the engineering group within the Public Works department for CIP projects across the city of Las Cruces.
I attended pre-construction meetings and provided input and planning support for scheduling and field visits for survey work.

WORK EXPERIENCE

Short Elliot Hendrickson INC
Colorado (United States)
Sr Field Crew Chief (Survey)
November 2021—May 2022

Verified by
Scott Joseph Klinker
sklinker@sehinc.com

Experience Summary
Full-Time
Surveying: 6 months
Experience under licensed surveyor: 6 months

TASKS

Perform Topographic surveying and mapping.
Perform and plan Terrestrial LiDAR Scans and data reduction and workflows
Perform boundary surveys, and research of historical and legal recorded documents to support the analysis and field work for same.
Process field survey data and create staking data and plans for construction and boundary field survey work.
Interact with clients and contractors and fostering work and professional relationships.
Provide QA/QC for survey related data collection plans and data reduction.
Serve as a Senior crew chief for a field survey crew or as a one person crew for surveying construction, land development, topographic, right-of-way, ALTA and control survey projects.
Participate in pre-survey planning meetings with project managers, resident project representatives, engineers, and contractor representatives.
Provide input for evaluation of field survey crew members; and provide mentoring to survey crew in survey and mapping methods, use of equipment, and field safety procedures.
Mission plan and support logistics for local and travel based survey projects.
Maintain and utilize company provided vehicle and all related field and office equipment and software.

REPRESENTATIVE PROJECTS

Grandview Bridge
Topographic survey and Terrestrial LiDar Scan of the Grandview Bridge over Wadsworth Blvd in Downtown Arvada Colorado. Project was a design topo for road and bridge improvements, I was responsible for field data collection GPS and total station collected points and data, and applied boundary principles in locating and confirming corner monumentation and ROW for private, Railroad, and various municipal and state entity boundaries via deed and plat research then field discovery of monumentation, after establishing horizontal and vertical control for the project location.

Indian Health Services(IHS) scoping for new medical staff housing developments in South Dakota: Wamblee, Pine Ridge, Kyle, and Chamberlain.
Establish Survey control for each site, then performed detailed Topographic Surveys on each site to include storm/sanitary invert data collection, general topographic and utility data,

Arapahoe Road and Clarkson Signalization Project
Performed section Breakdown and set Survey control for project
Topographic survey and LiDAR scan of project area for powerlines, fences, adjacent properties, boundaries, traffic striping, Storm and Sanitary Sewer invert data collected,

JASON LORD (18-893-10)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Souder MIller & Associates
Colorado (United States)
Crew Chief/Survey Technician IV
May 2022—October 2022

Verified by
Darryl Duane Coster
darryl.coster@soudermiller.com

Experience Summary
Full-Time
Surveying: 5 months
Experience under licensed surveyor: 5 months

TASKS

Operate traditional and advanced land surveying equipment for construction staking operations, boundary retracement, ALTA surveys, ISPs and property exhibits,
Establish control for project sites.
Perform boundary break down and data collection for proposed sites.
Prepare written field notes and present cut sheets for projects and transmit daily collected data to Survey Manager.
Maintain and utilize company provided vehicle and all related field and office equipment and software.
Support Client goals by fostering and developing relationships with onsite and remote personnel.
Perform topographic surveying and data collection.

REPRESENTATIVE PROJECTS

June-Oct 2022
Aurora, Colorado
Buckley Space Force Base:

Main Base Exchange:
Performed Topographic mapping for paving and line striping
Steamboat Ave Repaving project:
Performed Topographic survey after establishing control survey network
Vail Street reconstruction:
Performed Topographic survey after establishing control survey network
New Base Housing Design Topographic survey for curb/sidewalk/parking lot reconstruction.

My visits to Buckley Space Force Base supported multiple ongoing contracts for our client who was performing under an IDIQ contract and each visit was a different phase of the Control set up, design topographic survey, as-built survey, and occasionally construction staking on a rotating basis based on scheduling for paving and reconstruction of the roadways and parking lots listed herein.

WORK EXPERIENCE

Point Consulting LLC
Colorado (United States)
Survey crew chief
October 2022—August 2025

Verified by
Cameron Martin Watson
cwatson@pnt-llc.com

Experience Summary
Full-Time
Surveying: 2 years, 10 months
Experience under licensed surveyor: 2 years, 10 months

TASKS

100 percent time Land Surveying

I performed title document research and deed analysis for ALTA/NSPS surveys and work in concert with title company staff for updates, changes, and additional questions.

I Drafted ALTA/NSPS Land Surveys under contracted agreements with Table A items as requested by clients.

I performed QA/QC on data from field data collection operations for ALTA/NSPS, design topographic, As-Built, Improvement Survey Plats(ISP), and Land Survey Plat (LSP) surveys, ILC exhibits(Mortgage Surveys), and construction staking report exhibits, cut sheets, etc..

I researched and drafted easements and legal descriptions to be approved and signed by the PLS.

I drafted construction staking exhibits and documents, Plats, Boundary line adjustment plots for ISPs/LSPs, ILCs, Record Drawings, As-Built Exhibits, and any other assigned documents and plans as requested.

I performed Field data collection using GPS and Robotic Total Station for all types of field survey related responsibilities to include: Boundary retracement and establishment, monument recovery and placement or installation, control networks and benchmarks for construction, easement staking and monument placement, condominium surveys, and ad hoc client requests for in house engineering projects as needed.

I performed Construction staking as needed to support field operations coverage, meeting project timelines, and project success.

I developed potential project bids/proposals when requested.

I provided mentorship to junior staff members.

I provided client support in the field addressing questions and concerns as they arose for site superintendents, architects, engineers and field staff / contractors.

REPRESENTATIVE PROJECTS

Dec '22 Jan '23
Northfield Mall Re-Design Topographic survey, control survey:
I performed field to finish data collection of more than 4000 points collected with Total Robotic Station/GPS and drafted the initial drawings for all follow on work. This included Sanitary/Storm invert dips for infrastructure design and in house engineering and design work.

Nov-'24 -July-'25
Echelon Apartment Complex (Named Crest at Woodmen in project Files):

I drafted as-built exhibits and ALTA/NSPS surveys for client from field collected data and previous researched filed Plats/surveys/easement vacations, I calculated and planned field operations to set new boundary monumentation upon approval of the PLS

Feb 2023

Dutch Brothers Commerce City Post Construction ALTA/NSPS and As-Built survey to include topographic data collection, boundary and drafting of deliverables to be approved and signed by the PLS.

March 2023
Murphy Oil convenience store: Construction staking/Post Construction ILC/As-Built survey to include layout staking, topographic surveying, additional control and as-built survey for record drawings

Highlands Ranch South Ridge Recreation Center Monitoring Survey-
Spring Maintenance operation windows of 2023-2024-2025
(Various months Pre-pool opening for Outside March-May for approximately 1-2 weeks)

I developed and utilized external control network and transferred control to inside recreation facility for elevation monitoring/ topographic survey for Rec Center pool and adjacent event hall for previously monitored potential subduction and structural changes.
I drafted field data and mapped and created final deliverables for client to be certified and signed by the PLS.

July 2023
West 10th Ave ALTA/NSPS survey for Row House Development to include a control survey, and using both PLSS and City of Denver Range Line system the boundary survey and analysis, a topographic survey, and all drafting and researching title commitment documents and Table A requirements to perform for the Client, and presented to the PLS for final review and oversight for them to stamp and deliver.

WORK EXPERIENCE

Colliers Engineering and Design
Colorado (United States)
Senior Project Survey Technician
November 2025—May 2026

Verified by
Douglas Haig Ort III
doug.ort@collierseng.com

Experience Summary
Full-Time
Surveying: 6 months
Experience under licensed surveyor: 6 months

TASKS

Nov 2026 - Current

I draft proposals for ALTA/NSPS Land Title Surveys

I perform data reduction on topographic, As-built, GPS, Control, boundary and ALTA/NSPS Land Title Surveys.

I discuss and collaborate with senior survey staff on potential new data schema and coding procedures for a system wide field to finish operations migration that is currently being evolved.

I review survey deliverables such as ALTA/NSPS Surveys for QA/QC compliance and completeness before final review and stamping from my PLS

I plan crew field operations and logistics for projects I am a Project manager on or in concert within my department.

I participate in drafting preliminary project data for QA/QC to ensure scope of work is being followed and meeting project milestones.

I provide technical guidance/mentorship to junior staff and also participate in field operations as a field assistant providing input and oversight when necessary as an assistant first, and as a mentor and trainer second.

REPRESENTATIVE PROJECTS

691 Arthur Ave ALTA/NSPS Land Title Survey (Dec-2025-Mar-2026)

- Research records provided in Title commitment for previous filed and recorded Plats, surveys, deeds, and other conveyances to build base file for boundary analysis, using PLSS data, concepts and evidence found in the field.
- Build field package for crew to use for evidence and boundary search and identify and incorporate NGS benchmark for Topographic survey to be included with deliverables.
- Communicate and coordinate with the client regarding questions with the ALTA survey for parties included in the certification, and scope changes that occurred as the client provided them in real time.
- Communicate with client regarding Changes/updates to the ALTA Plat and also fielded additional scope of work for writing new legal descriptions for a new proposed easement.

-February/March 2026

Boundary and Topographic survey for private client on International retailer design/remodeling survey work request.

Participate in the field operations for areas of interest that need further investigation and data collection completion.

Provided guidance/mentorship on techniques and strategy for best data collection practices with a junior Crew Chief.

Performed QA/QC on field collected data, draft preliminary linework and communicated directly with the client for feedback and received guidance on additional necessities based on the preliminary deliverables shared with them.

Provided analysis on area covered and adherence to the contract standards and provided client with updates as requested for milestones.

Assisted

-- March 2026 --
Major Regional Utility Client(Confidential)

Built and prepared a multifaceted SUE and Land Survey Proposal with collaboration of our Self Contained SUE group.
Items included Parcel and property ownership research, boundary preliminary research from deeds and Plats and additional filed county records to build the potential project documentation required for the client's request.

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
January 2009	June 2009	Economic disaster, lived on unemployment income and liquidated assets with my then wife. Any areas of non-employement are directly related to timeline items that are not defined with employment.
September 2009	March 2010	Your Form Wiped out my account of what happened. Economic disaster, lived on unemployment income and liquidated assets with my then wife. Any areas of non-employement are directly related to timeline items that are not defined with employment.

5. Public Comment

6. Adjournment