

**NEVADA STATE BOARD OF
PROFESSIONAL ENGINEERS
AND
LAND SURVEYORS**



**Regular Board Meeting
May 14, 2026
Las Vegas, NV**

1. Meeting Call to Order

2. Pledge of Allegiance

3. Public Comment

4. Introductions

5. NRS 625 Waiver Requests

WAIVER REQUESTS
Thursday, May 14, 2026

APPLICANTS REQUESTING WAIVER OF NRS 625.183 (4)(B)			
NAME	DISCIPLINE	TO:	GRANT?
1. Mohamed Abdelwahan	ME	Karen Purcell, PE	
2. Jhao-Hong Chen	ENVE	Robert Fyda, PE	
<p><i>NRS 625.183, ITEM 4, PART B, "TWO OF THE 4 YEARS OF ACTIVE EXPERIENCE MUST HAVE BEEN COMPLETED BY WORKING UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER WHO IS LICENSED IN THE DISCIPLINE IN WHICH THE APPLICANT IS APPLYING FOR LICENSURE, UNLESS THAT REQUIREMENT IS WAIVED BY THE BOARD."</i></p>			

APPLICANTS REQUESTING WAIVER OF NRS 625.193 (1)(A)			
NAME	DISCIPLINE	TO:	GRANT?
1. Edwin Leonin	EE	Karen Purcell, PE	
<p><i>NRS 625.193(1)(A) WAIVER OF FE WITH 10 OR MORE YEARS OF EXPERIENCE.</i></p>			

6. Non-Appearance Applications for Initial Licensure

**NEVADA STATE BOARD OF
PROFESSIONAL LAND SURVEYORS
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

**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

Civil

JOSEPH BERNARDI (15-839-17)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
05/05/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree
14 years, 9 months

Total Engineering
Experience
14 years, 9 months

Experience under licensed
engineer
11 years, 6 months

Disciplinary Action
None reported



EDUCATION



Bachelors in Civil Engineering (EAC)
Santa Clara University
September 2007–June 2011

EXAMS



Fundamentals of Engineering (FE)
California
May 2015

Principles and Practice of Engineering (PE)
Civil
California
October 2017



LICENSES



Additional Licenses
None

JOSEPH BERNARDI (15-839-17)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

BKF Engineers
California (United States)
Project Manager
August 2011 – May 2026

Verified by
Chelsea Ann Satsuki Unemori
cunemori@bkf.com

Experience Summary
Full-Time
Engineering: 14 years, 9 months
Post EAC degree: 14 years, 9 months
Experience under licensed engineer:
11 years, 6 months



TASKS

Managed civil engineering design and project delivery for a wide range of land development projects, including single-family subdivisions, large residential communities, mixed-use developments, and corporate campuses. Responsibilities spanned the full project lifecycle, from early due diligence and conceptual design through entitlement support and preparation of permit-ready construction documents.

Led multidisciplinary coordination with clients, architects, landscape architects, traffic engineers, geotechnical consultants, and public agencies. Prepared and oversaw grading, drainage, utility, and stormwater quality (C.3) design; developed site layout alternatives; and performed feasibility studies, utility assessments, and infrastructure planning. Managed hydrology/hydraulic analyses, stormwater treatment design, and utility sizing to meet local and state regulatory requirements.

Directed production of improvement plans, technical reports, and supporting exhibits for submittals to city agencies, ensuring compliance with municipal codes, CEQA considerations, and agency standards. Acted as the primary point of contact for agency coordination, addressing plan check comments, attending meetings, and facilitating approvals. Supported permitting efforts, including preparation of entitlement exhibits, tentative maps, and public improvement plans.

Oversaw project schedules, budgets, and resource allocation; mentored junior staff; and performed quality control reviews to ensure accuracy and consistency across deliverables. Provided construction support services, including responding to RFIs, reviewing submittals, and coordinating design revisions during construction.

Work was approximately 95% engineering-related, with the remaining 5% consisting of project management, client coordination, and administrative responsibilities.



REPRESENTATIVE PROJECTS

Oak Knoll in Oakland: I led the engineering efforts (horizontal layout of buildings, parking lots, travel lanes, under ground utility systems, grading, stormwater control) at planning-level and entitlement efforts for a 200-acre mixed-use development, now under construction. The project includes extensive utility infrastructure and complex grading transitioning from flat terrain to hillside conditions, which I did. The multi-phased design also incorporates numerous public amenity spaces and a mixed-use retail component. (2016-2021)

Fair Oaks in Sunnyvale, California: I managed the project from schematic design through occupancy for a 14-unit townhome development. I assisted the architect with private street layout, designed and calculated utilities connecting to public systems, and performed schematic, entitlement, and permit-level C.3 calculations, including LID treatment area design for stormwater. I provided construction administration services and coordinated closely with the City of Sunnyvale throughout the project lifecycle. (2014-2018)

Galvez Roundabout at Stanford University: I contributed to the design and coordination of a key campus circulation improvement. This was primarily a surface grading and horizontal layout project, with limited utility scope aside from additional stormwater inlets to support proper drainage which was all handled by myself. (2018-2019)

Cameron Boulevard in Gilroy: Currently supporting entitlements for a large-scale development consisting of 700+ residential units (apartments, townhomes, and single-family homes), including new public roadways and a sanitary sewer treatment plant. I put together the 80+ plan set containing demolition, horizontal control, grading which included sensitive areas in a riparian setback, utilities which included both a mechanical treatment device, and a detention tank for the entire project which I had to size and place, stormwater management plan designed entirely by me. Additionally, I wrote the stormwater management plan as well as

the preliminary stormwater pollution prevention plan. (2024-Current)

231 Grant Avenue in Palo Alto: I delivered the engineering documents for a 100% affordable teacher housing on a constrained site fronting three public streets. The project, initiated in 2019, recently achieved occupancy. Significant challenges I faced during this project included navigating public utility constraints, such as 4-foot concrete-encased underground power lines serving a nearby courthouse, and fitting required infrastructure within a near zero-lot-line condition. (2019-2025)

2388 South Bascom Avenue in San Jose: I provided services from schematic design through recent occupancy for a 100+ unit affordable housing project. An existing failing retaining wall along the rear of the site required highly precise grading design to ensure proper drainage and effective overland release was one of the key design elements I had to account for in the grading, utility and site layout. (2022-2026)

Solar Projects (Statewide): I have completed over 15 solar developments in remote areas, including grading design for construction access on slopes exceeding 40%. These project range from 4 solar panels to acres of solar arrays. I have an additional 10 projects in the queue for these types of designs to help remove overhead electrical wires in remote location to prevent wild fires. (2021-Current)

Garden Valley in Daly City: I delivered the engineering documents (entitlement, construction documents, and file record drawings 50 townhomes on a steep (30%) hillside with poor soil conditions, spanning both city and county jurisdictions and requiring coordination with two separate water providers. Occupancy was achieved in 2019. (2013-2019)

In total, I have contributed to 348 projects over 15 years at BKF, spanning a wide range of project types, scales, and complexities. From my early years of setting up sheets, layering and performing simple redlines, to my middle years of learning how to grade large projects, deal with the complexity of utility design, and trying to master the changing stormwater management regulations, and now I perform all of that with the addition of contract management, managing two - five employees on 11 projects at a time.

RIPNEET BRAR (20-865-99)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
04/27/2026

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 Civil Engineering (EAC)
University of Nevada, Reno
August 2016–May 2020

EXAMS



Fundamentals of Engineering (FE)
Nevada
March 2020

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



LICENSES



Additional Licenses
None

RIPNEET BRAR (20-865-99)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

GeoTek
Nevada (United States)
Assistant Project Manager
August 2020 – August 2023

Verified by
Harvey Walker McHugh
hmchugh@geotekusa.com

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

TASKS

My experience at GeoTek began as a Staff Professional for 2 years and 3 months. In this role, my main responsibilities included the preparation and review of construction material testing reports, geotechnical evaluations, and associated reports.

My work for construction material testing and final reports included review of all inspection documentation to verify compliance with applicable codes and standards, coordination to bring deficiencies in testing to compliance, and preparation of final and interim reports for review by professional engineers. This work also included coordinating sample locations, preparation of select backfill and pavement design reports, and analysis of laboratory testing results.

On the geotechnical side, I was responsible for working on projects from initial scoping to final report delivery. This work included preparation of proposals with determination of the required field explorations and laboratory testing dependent on project needs, preparing boring or test pit location layouts, researching site conditions and history, logging subsurface explorations from borings and test pits, and final report preparation for review and acceptance by professional engineers. This work mainly consisted of geotechnical evaluations, geotechnical update letters, and structural and improvement plan reviews. I also completed fill evaluations performed with test pits and/or borings, distress evaluations performed with a water or gas manometers, and seismic testing for site classification performed by measuring average shear wave velocity in the field and utilizing Seismic Scope Vscope software for site class determination. My more detailed analysis within geotechnical engineering included settlement analysis, liquefaction analysis, and slope stability analysis.

My last 9 months of experience at GeoTek consisted of serving in the Assistant Project Manager role. In this role, I executed the responsibilities of a staff professional at a higher level where I took on more responsibility for small to medium scale clients typically in the residential development field.

REPRESENTATIVE PROJECTS

Watercolor by Touchstone Living (2020-2022)

80 +/- Acre Residential Development, Northeast of Deer Springs Way and Losee Road, North Las Vegas, Nevada
This project is a residential development which was split up into 4 phases for construction. It included single-family and multi-family residential buildings and associated amenities. This project began construction in 2020 and is completing development in 2026. For this project, due to a lack of documentation of grading activities in phases 3 and 4 which comprise the eastern portion of the development, I evaluated reports of fill conditions by reviewing data collected through test pits and compaction testing. I provided recommendations on the conditions of the graded site with the data obtained by field inspectors and prepared fill evaluation reports with recommendations for final site preparation and building pad requirements. I also calculated minimum soil moisture requirements based on site grading and evaluated laboratory results for moisture conditioning of various lots prior to vertical construction due to high swell potential on the site. After moisture testing, I either recommended additional moisture conditioning or provided acceptance of the conditions through pad certifications.

Modena at Cadence by Century Communities (2022-2023)

120 +/- Acre Residential Development Northeast of Galleria Drive and Grand Cadence Drive, Henderson, Nevada
This project consisted of residential developments created on parcels referred to as Cadence Neighborhood 5 Village Parcels C-2, C-3, and C-4 in Henderson, Nevada. Each parcel was developed into its own single-family residential community. The majority of site grading was completed in 2022, and vertical construction began in 2023. Site development is continuing in 2026, however my work on the project ended in August 2023. For this project, I reviewed all grading inspections reports and laboratory results and provided recommendations for final site preparation in final grading reports. I also provided recommendations on whether on-site soils were suitable for backfill of utility trenches based on laboratory results from soil samples obtained subsequent to grading of the overall site in select backfill reports. After utility main installation was complete, I recommended on-site pavement sections

with thickness of each layer and compaction requirements based on R-Value and other laboratory results from soil samples obtained within the final subgrade section. These recommendations were provided in a pavement design report. For the select backfill and pavement design reports I also designed the sample location layout to ensure representative samples covering all portions of the site were obtained. Once vertical construction was set to begin, I evaluated individual lot conditions and recommended any necessary final site preparation steps prior to issuing pad certifications.

Geotechnical Evaluation for 110 +/- Acre Residential Development at Northeast Corner of Stephanie Street and Galleria Drive, Henderson, Nevada for Century Communities (2022)

This project consisted of a geotechnical evaluation for a proposed single-family residential development at the location described above. This project was complex due to varying terrain and site conditions along with the presence of high groundwater with ponding at the surface and the presence of several end-dumped stockpiles of soil. For this project, I designed the subsurface exploration layout and logged the soil strata for a majority of the subsurface explorations in the field which were performed through hollow stem auger, air rotary, and mud rotary drilling. This included borings up to 50 feet deep for liquefaction analysis due to high groundwater onsite. For the liquefaction analysis, I logged and classified soil strata for the entire depth of the borings, I measured initial groundwater levels and stabilized groundwater levels after 24 hours, and I calculated the probability of soil liquefaction with the projected settlement from liquefaction in the case of a seismic event. From my soil classification and in-field standardized penetration testing, I calculated approximate in-situ soil density throughout the site. Upon completion of field work, I prepared a geotechnical evaluation report for the site in which I recommended site grading and other preparation requirements for site development based on the proposed improvements. Due to the varying conditions onsite, I separated the site into two explicitly delineated areas with separate recommendations for both areas so as to address all potential geotechnical factors that may affect development while not over-designing in areas where soil conditions did not require more drastic grading and remediation measures.

RIPNEET BRAR (20-865-99)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Wadley Construction
Nevada (United States)
Project Engineer
August 2023—August 2024

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

WORK EXPERIENCE

City of Las Vegas
Nevada (United States)
Engineering Associate
November 2024 – April 2026

Verified by
Nicole Elizabeth Melton
Nmelton@lasvegasnevada.gov

Experience Summary
Full-Time
Engineering: 1 year, 5 months
Post EAC degree: 1 year, 5 months
**Experience under licensed engineer:
1 year, 5 months**



TASKS

In the role of Engineering Associate for the City of Las Vegas, I work in the City Engineer Division and assist with all tasks related to management of the design of capital improvement projects. My duties mainly consist of reviewing project plans, specifications, and related reports for compliance with applicable laws, statutes, codes, and regulations. I also review project documents for constructability, integration with current site conditions, benefit versus cost of proposed improvements, overall accuracy, and adherence to prior guidance provided by the city and other stakeholders. In reviewing project plans and associated documents, I provide recommendations for design revisions. I also review and prepare engineering quantities and estimate construction costs to ensure the accuracy of consultant computations and recommend changes as needed. To aid in comparing plans against real world site conditions, I conduct on-site inspections and field walks as needed to document findings and propose necessary adjustments to project plans and specifications. Where needed, I also assist with right-of-way acquisition.

The majority of my projects in this role to date have been prepared by design consultants. I assist in scoping, preparing, and administering of consultant agreements. For projects that are designed in-house, I utilize AutoCAD to contribute to project design. I also assist in the preparation and review of bid documents once projects are ready to bid and go to construction. Once in construction, I assist in review of or coordinate review of requests for information and construction submittals depending on the complexity of the item. In this role I also investigate and respond to inquiries from other city staff and the public, including engineers, contractors, and private citizens. I attend various meetings throughout the lifecycle of a project and prepare designs, reports, presentations, and exhibits to support projects at public meetings and as requested.



REPRESENTATIVE PROJECTS

Stewart Avenue Complete Streets - 6th Street to Nellis Boulevard, Las Vegas, Nevada (2024-Present)

This project proposes to improve a 4.5 mile segment of the Stewart Avenue corridor with complete streets design elements including a two-way cycle track east of Eastern Avenue and storm drain infrastructure including an RCB connection to the Las Vegas Wash. Project design for the current scope began in 2024 and the project is anticipated to begin construction in 2028. To date, I have reviewed and provided design comments with revision recommendations on project plans, specifications, and associated reports prepared by the design consultant for the 30%, 60%, and 90% design levels. I also verified that design comments from previous submittals were adequately addressed in the 60% and 90% designs. After the 30% design was completed and reviewed, I performed a field walk of the entire corridor to document existing site conditions and evaluate right-of-way needs for tying in proposed improvements to all parcels abutting the corridor. I recommended design changes such as the addition of retaining walls or integral curb, modification of improvements limits, and right-of-way or easement acquisition where improvements could not adequately be constructed within the existing right-of-way or where onsite features may need to be reconstructed to properly connect with proposed improvements. I also recommended design changes to ensure accuracy and to ensure that ADA and PROWAG standards can be met with the proposed improvements. In my reviews, I spot-checked consultant calculations and provided corrected values where applicable. At the 30% design level, I calculated an independent engineering quantity estimate along with a construction cost estimate to verify accuracy of consultant-provided values. At the 60% design, I calculated the engineering quantity and cost estimates with the project split into 3 phases to evaluate the possibility of construction phasing due to funding constraints. The project proceeded with phasing, continuing with plans and specifications for Phase 1 from Sandhill Road to Nellis Boulevard being designed for the 90% submittal. I have also recommended design changes stemming from questions or requests from property owners adjacent to the corridor during the right-of-way process and I prepared exhibits and reports explaining why certain design elements were implemented and should remain with applicable codes and standards listed as evidence in cases where property owner requests may be detrimental to overall design.

Lake Mead Boulevard – Losee Road to Simmons Street, Las Vegas, Nevada (2024-Present)

This project began construction in November 2024 and features full-depth pavement replacement, landscape medians, PROWAG/ADA upgrades to pedestrian ramps, and traffic signal upgrades. I have provided engineering support as this project has

progressed through construction. Towards the beginning of construction, a design error was identified where the proposed pavement section conflicted with many of the shallow utility laterals in portions of the corridor. Due to funding constraints preventing the installation of storm drain infrastructure, the roadway cross-slope was increased in design to convey stormwater within the roadway without consideration for the impact to shallow utilities which would then conflict with the proposed emulsified base under the asphalt pavement. Upon identification of this issue, I evaluated existing pavement section depth from data collected during the geotechnical investigation and I calculated the structural number for various alternate pavement sections to address the conflict. Upon completion of my analysis of various pavement sections, I recommended a pavement section with geogrid as the most cost effective and structurally sound solution. This option was then presented to the consultant geotechnical engineer of record for final evaluation and approval and has been implemented into the final project design.

BRYCE BRYANT (21-108-66)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
04/29/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree
5 years, 4 months

Total Engineering
Experience
5 years, 4 months

Experience under licensed
engineer
5 years, 4 months

Disciplinary Action
None reported



EDUCATION



Bachelors in Civil Engineering (EAC)
University of Nevada, Reno
August 2016–August 2020

EXAMS



Fundamentals of Engineering (FE)
Nevada
June 2021

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



LICENSES



Additional Licenses
None

BRYCE BRYANT (21-108-66)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

JK Architecture Engineering
Nevada (United States)
Designer 1
September 2020—March 2023

Verified by
Kenneth Wayne Anderson
ken@jkaedesign.com

Experience Summary
Full-Time
Engineering: 2 years, 6 months
Post EAC degree: 2 years, 6 months
Experience under licensed engineer:
2 years, 6 months

TASKS

Completed comprehensive civil plans for both commercial and residential land development projects, including coordination with engineering staff to ensure accurate and code-compliant design deliverables. Produced detailed site layouts, full utility design plans, and site grading plans, incorporating roadway alignments, parking lot configurations, underground utilities, stormwater systems, and earthwork calculations. Developed skills in hydraulic and hydrologic analysis, utilizing Civil 3D and Storm and Sanitary Analysis (SSA) to model stormwater runoff, design drainage infrastructure, and evaluate system performance under varying conditions. Prepared construction-ready plan sets, including erosion control, stormwater management, and utility sheets, while maintaining adherence to jurisdictional standards and project specifications. Collaborated with engineers, planners, and project managers to support project development from conceptual design through final engineering documentation.

REPRESENTATIVE PROJECTS

Project: Miramonte Phase 5, Sparks Nevada.

Duration: Unknown (started prior to employment) - July 2021.

I contributed to the Miramonte Phase 5 residential subdivision project during the construction phase. This project was located in Sparks, Nevada. Using Auto-Cad and Civil3D, my responsibilities focused on site-specific lot development and ensuring compliance with applicable city and county regulations.

I prepared and reviewed individual plot plans for residential lots, including the layout and placement of specific home models on prepared lot pads. This required verification of compliance with all local zoning requirements, including front, rear, and side yard setback standards.

In addition, I designed lot-specific grading plans to ensure proper surface drainage in accordance with current municipal and county codes. My grading designs provided positive drainage away from structures, maintained drainage flow patterns consistent with the approved subdivision grading plan, and prevented ponding or adverse impacts to adjacent properties.

Through this work, I applied principles of civil engineering site design, grading and drainage analysis, regulatory compliance review, and construction coordination during active project development.

Project: Lompa Ranch Phase 2, Carson City Nevada.

Duration: August 2021 - March 2022.

Performed civil engineering design for a 100+ lot residential subdivision from preliminary layout through final construction documents under the supervision of a PE. Designed subdivision layout including residential lots, internal roadways, sidewalks, and common areas in accordance with Carson City development standards.

Designed storm drain, sanitary sewer, and potable water systems, including mainline alignments, profiles, manholes, inlets, and service laterals to each lot. Coordinated utility layout to avoid conflicts and maintain required slopes, cover, and separation in compliance with local code.

Assisted with and developed site grading design including establishment of finished pad elevations, roadway profiles with crowned sections, and curb and gutter flowline control to provide positive drainage away from structures. Ensured proper drainage conveyance and constructability throughout the site.

All work was completed in compliance with Carson City Municipal Code and accepted civil engineering standards, requiring application of engineering judgment in subdivision layout, grading, and utility system design.

Project: Arroyo Crossing Subdivision, Reno Nevada.

Duration: July 2022 - March 2023.

Performed civil engineering design for a 75+ lot residential subdivision from preliminary layout through final construction documents under the supervision of a PE. Designed subdivision layout including lots, roadways, sidewalks, and common areas in accordance with City of Reno standards.

Designed storm drain, sanitary sewer, and potable water systems, including mainline alignments, profiles, manholes, inlets, and

service laterals to each lot. Prepared water utility plans meeting Truckee Meadows Water Authority requirements. Compiled and submitted stormwater and sanitary sewer technical reports supporting system capacity and regulatory compliance. Performed site grading design including finished pad elevations, roadway profiles with crowned sections, curb and gutter flowline control, and positive drainage away from structures. Designed retaining walls as required to accommodate site constraints and maintain constructability.

All work was completed in compliance with City of Reno Municipal Code and applicable development standards, requiring independent engineering judgment in utility coordination, grading design, and regulatory compliance.

BRYCE BRYANT (21-108-66)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Diversified Consulting Services
Nevada (United States)
Inspector III
May 2023—March 2026

Verified by
Rick C Bosch
rbosch@dcsnv.com

Experience Summary
Full-Time
Engineering: 2 years, 10 months
Post EAC degree: 2 years, 10 months
Experience under licensed engineer:
2 years, 10 months



TASKS

Performed inspection duties on major Nevada highway construction projects, ensuring work progressed safely, efficiently, and in accordance with project requirements. Verified that general contractors and subcontractors complied with NDOT standards, specifications, and approved construction plan sets, documenting any deviations and coordinating with project engineers for resolution. Observed roadway section construction activities, including asphalt paving operations and Portland cement concrete (PCC) paving, while monitoring material placement, thickness, compaction, and surface quality. Inspected concrete structure construction, such as mechanically stabilized earth (MSE) retaining walls, soil nail retaining walls, barrier rails, and other structural elements, confirming proper installation procedures and material usage. Recorded daily field reports and maintained detailed inspection documentation, including quantities, test results, construction progress, and field observations. Collaborated with engineers, contractors, and agency representatives to ensure compliance, maintain project quality, and support timely project delivery.



REPRESENTATIVE PROJECTS

Project: NDOT Contract 3963 I-580 Freeway Improvements (Peckham Lane to Mill Street) Reno Nevada.
Duration: Unknown (started prior to employment) - December 2024.

I provided construction inspection and engineering support for the Nevada Department of Transportation (NDOT) Contract 3963, I-580 Freeway Improvements between Peckham Lane and Mill Street, including roadway rehabilitation and concrete pavement repair. I reviewed plans, specifications, and NDOT Standard Plans to verify contractor compliance with design requirements. I inspected layout, materials, and workmanship; documented deficiencies; and confirmed corrective actions. When field conditions differed from design assumptions, I performed engineering evaluations and coordinated with NDOT design engineers to determine compliant modifications. I assessed pavement delamination to define removal and repair limits and supported quantity determinations. I also verified adherence to traffic control, safety, and quality standards, maintaining detailed reports and confirming work met design tolerances prior to acceptance.

Project: NDOT Contract 3988 – US-395 Improvements (Cold Springs to Bordertown) Reno Nevada.
Duration: October 2023 - June 2024.

I provided construction inspection and engineering support services for NDOT Contract 3983 on US-395 between Cold Springs and Bordertown. The project included roadway improvements, asphalt paving operations, and installation/relocation of Intelligent Transportation Systems (ITS) and associated electrical infrastructure. My responsibilities included detailed review and interpretation of civil engineering plans, project specifications, special provisions, and NDOT Standard Plans. I monitored contractor operations to verify compliance with contract documents, state standards, and approved traffic control requirements. I documented daily construction activities, verified quantities, and identified non-conforming work requiring corrective action. During construction, I evaluated field conditions that differed from the original design assumptions and coordinated directly with NDOT design engineers to resolve conflicts. A significant example involved the relocation of ITS and electrical conduit to avoid unforeseen existing underground utilities. I reviewed the proposed field adjustments, assessed constructability and code compliance considerations, and participated in technical discussions with NDOT design staff to determine appropriate alignment revisions while maintaining system functionality and adherence to standards. Additionally, during asphalt paving operations, a hydraulic oil leak occurred that contaminated newly placed asphalt pavement. I assessed the affected area, evaluated the extent of contamination, and determined recommended limits of asphalt removal and replacement based on observed surface penetration and pavement integrity. I discussed findings with NDOT design and construction management staff to establish acceptable removal boundaries and ensure long-term pavement performance.

consistent with project specifications.

This role required application of civil engineering principles in construction oversight, evaluation of field modifications, interpretation of contract requirements, coordination with licensed professional engineers, and exercising independent engineering judgment to protect public safety and infrastructure performance.

Project: NDOT Contract 3983 – US-395 Improvements (Clear Acre Lane to Golden Valley Road) Reno Nevada.

Duration: February 2024 - Present.

Served as the engineering field representative for NDOT on a major roadway improvement project along US-395. Responsibilities included interpretation of civil and structural design plans, verification of contractor compliance with NDOT Standard Specifications and approved drawings, and coordination with the Engineer of Record regarding field design modifications. Performed detailed plan review and field inspection of:

Retaining wall construction, including footing preparation, reinforcing steel placement, drainage provisions, and backfill requirements.

Roadway demolition and subgrade preparation.

Asphalt paving operations (lift thickness, compaction, temperature compliance).

Portland Cement Concrete Pavement (PCCP) placement and finishing.

Cast-in-place barrier rail footings and rail.

Sound wall foundation excavation, reinforcing steel, and concrete placement.

Applied engineering judgment to evaluate field conditions and resolve discrepancies between design documents and existing site constraints. Conducted technical discussions with NDOT design engineers regarding:

Modifications to reinforcing steel design for barrier rail footings and rail due to unforeseen subsurface and alignment conditions.

Structural integrity evaluation of PCCP panels exhibiting consolidation issues and air voids; participated in engineering assessment of repair versus removal in accordance with specification tolerances.


Additional reinforcing requirements at transitions between sloped barrier rail and adjacent flat sound wall systems to address load transfer and geometric incompatibilities. Reviewed reinforcing steel placement for conformance with AASHTO and NDOT standards, verified bar size, spacing, development length, and clear cover prior to concrete placement. Identified nonconforming work and issued corrective action directives consistent with project specifications. Maintained documentation of inspections, prepared daily reports, and provided written technical recommendations to the Resident Engineer regarding acceptance of constructed elements.

PAUL CHABAUD (22-049-37)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL


 Applying To **Nevada**

Application Type **Initial - PE**

Application Date **04/29/2026**

Citizenship **France**



SUMMARY


 Engineering Experience after EAC degree **2 years, 9 months**

Total Engineering Experience **2 years, 9 months**


Experience under licensed engineer **2 years, 9 months**

Disciplinary Action **None reported**




EDUCATION

 Bachelors in Civil Engineering (EAC)
Christian Brothers University
August 2018–May 2021

Masters in Civil Engineering
University of Arkansas, Fayetteville
August 2021–May 2023

EXAMS

 Fundamentals of Engineering (FE)
Arkansas
July 2022

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

LICENSES

 Additional Licenses **None**

PAUL CHABAUD (22-049-37)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Sargent & Lundy
Illinois (United States)
Structural Associate III
June 2023—March 2026

Verified by
Joseph F Peters
joseph.f.peters@sargentlundy.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

I'm responsible for structural engineering design and analysis for power generation facilities and industrial projects. My duties include developing gravity and lateral loads, performing hand calculations and computed-based analysis for steel and reinforced concrete members, foundations, equipment supports, and anchorage, in accordance with the applicable building codes, material standards, and client criteria. I prepare design drawings, details, specifications and construction documents in coordination with mechanical, electrical and civil disciplines. I respond to RFIs and submittals. I perform site walkdowns to verify existing conditions and support constructability. I check calculations and drawings prepared by others for technical accuracy and incorporate client comments into updated deliverables.

About 95% of my responsibilities are engineering design and analysis.

REPRESENTATIVE PROJECTS

Client: OG&E. Location: Oklahoma (2023-2024)

*I am providing general information due to the highly confidential nature of the project.

I was responsible for designing equipment foundations and the main anchorage system for a Turbine Generators (TG). I applied ACI 318, ASCE 7, and received vendor loads for designing concrete and post-installed/cast-in-place anchors. The equipment foundations consisted of a reinforced mat. The anchorage for the turbines included tension and shear checks of anchors under transient and operating loads. Shear lugs and available reinforcement were utilized to satisfy the strength requirements.

Client: REWORLD/COVENTA. Location: Honolulu, Hawaii (2024-2026)

*I am providing general information due to the highly confidential nature of the project.

I have been responsible for designing a new workshop building and design upgrades inside an existing TIP building. The site is in a high seismic zone (SDC D) with a significant wind speed (150 mph) and subjected to an accidental blast load due to a 20 lb propane tank being shredded. For the workshop, I designed the steel framing, braced frames, connections using STAAD and company connection-design tools, and anchorage. I also designed the workshop mat foundation considering existing manholes and underground duct. For the infeed area, I designed the shredder support and access gallery steel, and prepared details for stair and grating supports. I also developed the equipment anchor rod design for the electrical transformers, switchgear, MCCs, and cabinets, including Hilti post-installed and cast-in-place anchor rods. My role has extended into resolving RFIs, updating connection details, and supporting constructability reviews with the project team.

Client: NRG. Location: Texas (2025-2026)

*I am providing general information due to the highly confidential nature of the project.

At the NRG site, I designed the bottom ash storage bunkers. The storage bunker includes the design of the walls, mat, anchorage, and equipment supports resting on the top of the walls. The structure is subjected to environmental loads such as seismic and wind, ash pressure, equipment loads, and impact load due to the loader hitting the bunker. I applied ACI 318 and ASCE 7 to size the structure and check serviceability limits. I interfaced with other disciplines that provided soil parameters and equipment load to determine the load path. After the completion of design and issuance of construction, I reviewed contractor shop drawings, submittals, and responded to RFI's. I also designed heavy-duty trench grating so loaders can access the ash safely, selecting bar grating and checking bending and deflection under wheel loads. This work has required me to think about constructability and long-term operation, including maintenance access and vehicle traffic.

Project: Cleco Power's Madison Unit 3 (MAD U3) Ash Injection. Location: Louisiana (2025-2026)

*I am providing general information due to the highly confidential nature of the project.

On the Madison U3 project, I supported the evaluation of an existing silo foundation resting on piles to add an ash injection pipe rack. I designed blower building foundations and coordinated the design of the steel ash injection pipe rack and stair tower based on columns reaction. I built and refined STAAD models for the pipe rack to evaluate strength and serviceability under dead, live,

thermal, wind, and seismic loads, and to account for pipe loads and future expansion. I sized steel members and checked drifts and deflections against project criteria, then designed the connections by hand and using an internal software. I'm currently working on tying a steel platform inside an existing boiler unit that used foreign steel.

PAUL CHABAUD (22-049-37)

All work experience reviewed by two licensed professionals

ADDITIONAL INFORMATION



TIME GAPS

Start Date	End Date	Explanation
June 2015	July 2018	After high school, I spent 1 year preparing to study in the US, including required English proficiency examinations. I enrolled in a non-ABET school for a pre-engineering program. After 2 years, I transferred to CBU to earn a Civil Engineering degree.

RYAN CHIEM (21-526-93)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
05/01/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree
4 years, 2 months

Total Engineering
Experience
4 years, 2 months

Experience under licensed
engineer
1 year, 11 months

Disciplinary Action
None reported



EDUCATION



Bachelors in Civil Engineering (EAC)
University of California, Irvine
September 2017–June 2021

EXAMS



Fundamentals of Engineering (FE)
California
March 2021

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



LICENSES



Additional Licenses
None

RYAN CHIEM (21-526-93)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

V&A Consulting Engineers
California (United States)
Project Engineer
February 2022—April 2026

Verified by
Sara Custer
scuster@vaengineering.com

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

TASKS

I designed cathodic protection systems for buried pipelines, tanks, and water infrastructure by calculating current requirements, anode spacing, and system configurations based on soil corrosivity, coating condition, and material properties. I prepared complete engineering design packages including plans, technical specifications, standard details, and opinion of probable construction costs in accordance with applicable standards such as NACE criteria and client-specific guidelines. I analyzed field data including pipe-to-soil potentials, rectifier outputs, continuity testing, and soil resistivity measurements to evaluate system performance and determine compliance with corrosion control requirements. I performed condition assessments of pipelines, tanks, and treatment facilities using visual inspections and non-destructive testing methods such as ultrasonic thickness testing and coating evaluations to quantify structural and material degradation. I interpreted assessment results to identify corrosion mechanisms and calculate remaining service life to support engineering decision-making. I developed detailed technical reports that document methodologies, data analysis, findings, and engineering recommendations for repair, rehabilitation, and long-term asset management.

REPRESENTATIVE PROJECTS

-Honolulu BWS Bishop Street CP Design – Honolulu, HI (2023–2025)

I designed a galvanic anode cathodic protection (GACP) system for a fire lateral connected to an existing water main. I calculated current demand and selected anode types and quantities based on pipeline configuration and field measurements of soil corrosivity. I prepared design drawings and technical specifications in accordance with Board of Water Supply External Corrosion Control Standards. I revised the design based on agency comments and ensured compliance with applicable corrosion control criteria.

-Sacramento Regional County Sanitation District Condition Assessment – Elk Grove, CA (2022–2023)

I performed confined space condition assessments of a sludge tank, force mains, and bypass structures using visual inspection and non-destructive testing methods. I conducted ultrasonic thickness testing, concrete sounding, and surface pH measurements to quantify structural condition. I analyzed collected data to assess deterioration mechanisms. I prepared a technical report with recommendations for rehabilitation.

-Sonoma County Water Agency Corrosion Assessment – Geyserville, CA (2022–2022)

I conducted corrosion assessments of wastewater treatment plant assets using visual inspection and field testing. I evaluated metallic and concrete components to determine condition and degradation. I analyzed data to identify corrosion mechanisms affecting infrastructure. I prepared a report summarizing findings and recommended mitigation measures.

-Irvine Ranch Water District CP Monitoring – Orange County, CA (2024–2026)

I performed annual cathodic protection surveys on buried pipelines and above-ground reservoirs by measuring rectifier outputs and structure-to-electrolyte potentials. I analyzed collected data to determine compliance with NACE SP0169 criteria for adequate corrosion protection. I identified deficiencies in CP system performance and recommended corrective actions. I prepared a technical report summarizing findings and engineering recommendations.

-Mid-Peninsula Water District CP System – Belmont, CA (2022–2024)

I designed a GACP system to protect ductile iron fittings and valves connected to PVC pipelines ranging from 4-inch to 20-inch diameter. I calculated system current requirements and designed anode test stations for monitoring system performance. I performed commissioning testing by measuring pipe-to-soil and anode potentials to verify proper installation and operation. I prepared a system checkout report documenting compliance with CP criteria and system functionality.

RYAN CHIEM (21-526-93)

All work experience reviewed by two licensed professionals

ADDITIONAL INFORMATION



TIME GAPS

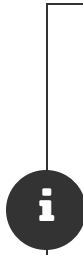
Start Date	End Date	Explanation
July 2021	January 2022	Graduated in June 2021, applied for jobs and started working in February 2022.

SIERRA CLARK (22-379-67)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
04/08/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree
4 years

Total Engineering
Experience
4 years, 11 months

Experience under licensed
engineer
4 years, 11 months

Disciplinary Action
None reported



EDUCATION



Bachelors in Environmental 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
May 2024



LICENSES



Additional Licenses
None

SIERRA CLARK (22-379-67)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

J-U-B Engineers, Inc.
Nevada (United States)
Project Designer - Lead
June 2021 – May 2026

Verified by
Shane K. Dyer
sdyer@jub.com

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

TASKS

My major branch of engineering is water resources engineering, with specialties in hydraulics and hydrology. My experience with this employer reflects a clear progression from supervised engineering support to performing independent engineering analysis and design under the guidance of licensed professional engineers.

I began my employment as an engineering intern (June 2021, 12hours/week), where my responsibilities consisted primarily of observing engineering practices, assisting senior engineers, and performing basic hydraulic and hydrologic calculations under direct supervision. The tasks completed included data review, preliminary computations, and support activities related to water resources projects.

As my experience increased and I started full-time as an official EIT (May 2022, 40hours/week), I assumed greater responsibility for engineering analysis, including calculating flow parameters using Manning's equation, supporting specialized hydraulic studies, and contributing to project design efforts. I progressed to independently developing and executing 1D and 2D HEC-RAS hydraulic models for floodplain analysis and water surface profile evaluations. My responsibilities now continue to include setting up model geometry, assigning boundary conditions, analyzing results, and refining designs based on modeling efforts and spreadsheet calculations for hydraulic structures, with professional oversight and review.

Currently, I also perform quality control checks of intern-level work, ensuring accuracy, consistency, and adherence to engineering standards, drawing from my own progression within the firm. This role requires the application of engineering judgment and professional communication.

Approximately 90–95% of my duties are engineering-related. My experience demonstrates increasing levels of responsibility in engineering analysis and design within the field of water resources engineering.

REPRESENTATIVE PROJECTS

Long Valley Creek Flood Hazard Mitigation Plan
Storey County, Nevada
October 2022-December 2025

I served as a project designer for the Long Valley Creek Flood Hazard Mitigation Plan, which evaluated and developed flood mitigation alternatives for the Lockwood, Nevada community, under the responsible charge of a licensed professional engineer. I developed multiple iterations of two-dimensional HEC-RAS hydraulic models to analyze flood behavior and evaluate mitigation strategies for the 100-year design storm. I defined model geometry, assigned boundary conditions based on hydrologic inputs, and calibrated the model to reflect existing conditions.

I calculated flow capacity and channel geometry using Manning's equation in Excel and used these results to develop and refine design alternatives, including channel modifications and retention basins modeled in WMS. I evaluated hydraulic performance of each alternative and made engineering decisions regarding channel configuration, storage capacity, and flow conveyance to meet project goals while maintaining constructability and effectiveness.

I performed a benefit-cost analysis using the BCR calculator and compared alternatives to determine the most effective mitigation strategy. I compiled my analyses, modeling results, and design recommendations into the Flood Hazard Mitigation Plan, including technical documentation, figures, and summaries used by Storey County to support flood mitigation planning and funding decisions.

Woodruff Diversion Improvements
Woodruff, Utah
June 2021-April 2023

I served as a project designer for diversion improvements requested by the Woodruff Irrigating Company to address performance during large storm events in an agricultural watershed, under the responsible charge of a licensed professional engineer. I developed a hydrologic model to estimate runoff and peak flow rates for the watershed and used these results to evaluate 28 existing diversion structures for hydraulic capacity and structural performance under design storm conditions.

I analyzed each diversion to identify structures experiencing pressurized flow conditions, overtopping risk, or insufficient capacity. Based on this analysis, I selected appropriate design modifications for each structure, including sizing and configuration adjustments to improve flow conveyance and structural stability. I evaluated the impact of proposed improvements on water delivery and incorporated considerations of water rights and distribution requirements for adjacent agricultural users. I prepared supporting hydraulic calculations and design summaries for each diversion, documenting recommended improvements based on flow conditions and system performance. These work products were used to guide implementation of diversion upgrades and improve overall agricultural water management within the project area.

Wingfield Commons LOMR Application

Sparks, Nevada

January 2024-May 2024

I served as a project designer for the Wingfield Commons Letter of Map Revision (LOMR) application following completion of construction and documentation of as-built conditions, under the responsible charge of a licensed professional engineer. I revised the existing HEC-RAS hydraulic model to reflect post-project conditions by incorporating updated geometry, 1D cross-sections, structural data, and boundary conditions based on as-built information.

I evaluated the hydraulic impacts of the completed project on floodplain boundaries and water surface elevations and made engineering decisions regarding model representation and parameter adjustments to accurately reflect site conditions. I analyzed model results to verify compliance with FEMA requirements and consistency with previously approved Conditional Letter of Map Revision (CLOMR) conditions.

I prepared the LOMR application package, including floodplain analysis documentation, hydraulic work maps, and revised Flood Insurance Rate Map exhibits. These deliverables were developed to support FEMA review and approval of the floodplain revisions.

Bailey Canyon Creek Flood Hazard Mitigation

Washoe County, Nevada

August 2025-Current 2026

I serve as a project designer for flood hazard mitigation improvements along Bailey Canyon Creek, under the responsible charge of a licensed professional engineer. I built the existing-conditions hydrologic model in WMS and a two-dimensional HEC-RAS hydraulic model to evaluate flood behavior for the 100-year design storm and identify high-risk areas within the study reach. Using model results, I assessed and ranked flood-prone locations and developed mitigation alternatives, including culvert clean-out, culvert upsizing, and detention basins. I performed hydraulic calculations using Manning's equation and hydrograph analysis to determine flow capacity and storage requirements. Based on these analyses, I selected appropriate mitigation strategies considering hydraulic effectiveness, site constraints, and overall reduction in flood risk.

I advanced the recommended improvements into the Capital Improvement Plan report by preparing supporting calculations, technical justification, and planning-level cost estimates used by Washoe County to prioritize and program future flood mitigation projects.

KARA DAVIS (16-303-97)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
04/27/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree
4 years, 2 months

Total Engineering
Experience
4 years, 2 months

Experience under licensed
engineer
4 years, 2 months

Other Experience

Disciplinary Action
None reported



EDUCATION



Bachelors in Environmental Engineering (EAC)
Colorado School of Mines
September 2012–May 2016

EXAMS



Fundamentals of Engineering (FE)
Colorado
April 2016

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



LICENSES



Additional Licenses
None

KARA DAVIS (16-303-97)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Great Lakes Environmental and Infrastructure
Colorado (United States)
Field Engineer
May 2016—December 2017

Verified by
Kara Davis (Self)

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



TASKS

During my time at Great Lake Environmental and Infrastructure, all of my responsibilities were considered engineering. I acted primarily as a field engineer, and was responsible for reviewing plans to ensure they were being built to design. I documented construction progress, communicated and resolved questions from the contractors about the design, and calculated material quantities to ensure enough material was provided to the construction team. After the construction season ended, I designed models of site conditions based on provided survey data and documented progress of the project for final submittal to the client.



REPRESENTATIVE PROJECTS

Holden Mine Remediation Project - Washington State (2016-2017)

Holden Mine is a 90-acre superfund site which was once one of the largest operating copper mines in the United States. During operation, over 8.5 million tons of mill tailing and waste rock were placed in the surrounding area, contaminating soil and water with metals from the mining process. During my time as a field engineer, I reviewed the implementation of over 3 miles of multilayered surface water channels and assembly of 2-miles of HDPE pipeline to convey contaminated water to a treatment plant. I documented construction activities and submitted over 100 technical site activity reports.

KARA DAVIS (16-303-97)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

IRIE Rafting Company
California (United States)
Raft Guide
April 2018—October 2021

Verified by

Experience Summary

Part-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

KARA DAVIS (16-303-97)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Alpine Meadows Ski Resort
California (United States)
Bus Driver

October 2018—December 2021

Verified by

Experience Summary

Part-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

KARA DAVIS (16-303-97)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

CDM Smith
California (United States)
Project Engineer
January 2022—May 2024

Verified by
Stefan L. Schuster
schustersl@cdmsmith.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

At CDM Smith, I worked in water resources engineering, with a focus on stormwater quality analysis, hydrologic data evaluation, and environmental compliance. Across multiple Caltrans and municipal projects, I was responsible for performing technical analyses, developing recommendations for pollution control measures, and contributing to engineering reports that supported regulatory decisions.

I began my role as a Water Resources Engineer II, where I supported project teams by performing technical analyses such as stormwater flow modeling, pollutant loading calculations, and water quality data evaluation. I assisted in preparing technical memoranda and QA/QC of field-collected data. I worked on a variety of Caltrans and municipal projects, including TMDL studies, stormwater infrastructure evaluations, and watershed-scale management plans.

As I advanced to Water Resources Engineer III, I took on increased responsibility for the technical direction of specific tasks. My role expanded to include developing field procedures for data collection, interpreting results to guide design recommendations, and leading coordination with regulatory agencies and multidisciplinary project teams.

Throughout my employment, I contributed to environmental compliance studies, stormwater BMP planning, and pollutant reduction strategy development. My work required application of engineering judgment in support of planning, design, and implementation of stormwater and watershed management projects.

REPRESENTATIVE PROJECTS

Caltrans Trash Migration Study
Sacramento, CA | May 2022 – September 2024

This Caltrans-sponsored study focused on understanding how trash is transported via stormwater runoff into local waterways and developing recommendations for mitigation. I conducted hydrologic and trash accumulation analyses to support the design of trash capture systems. I developed a method to calculate trash accumulation rates based on stormwater flow rate, duration, and intensity. This helped quantify the relationship between storm characteristics and trash movement. To improve data quality, I created standardized procedures for sampling, trash classification, and field documentation. I also assessed existing trash capture infrastructure and recommended improvements for sizing and placement. My analysis informed technical memoranda that helped shape Caltrans' long-term trash mitigation strategy.

Truckee River Water Quality Management Plan
Placer County, CA | January 2022 – May 2024

This project aimed to improve Truckee River water quality by analyzing stormwater runoff and recommending erosion and pollution control measures. I contributed to both data analysis and strategy development. I evaluated stormwater sample data across multiple wet seasons to identify pollutant trends, focusing on sediment, nutrients, and metals. My work assessed pollution control measures by comparing results across land use types and precipitation patterns. My responsibilities included QA/QC of data, interagency coordination, and drafting reports with recommendations.

Caltrans TMDL Study
Sacramento, CA | January 2022 – May 2024

This study evaluated pollutant loads from highway runoff to support Caltrans' compliance with Total Maximum Daily Load (TMDL) requirements. I assisted in collecting and analyzing stormwater samples from multiple highway locations to quantify toxic constituents. My work contributed to documentation guiding Caltrans' long-term strategy to reduce pollutant loads from roadway infrastructure.

Downtown Alameda Improvements
Alameda, CA | November 2023 – February 2024

I supported design efforts for roadway, sidewalk, and landscape improvements intended to enhance pedestrian safety and traffic

flow in downtown Alameda. My role included identifying existing utilities within the project area to inform layout decisions and reduce conflict risks during construction. I coordinated with the design team to integrate utility locations into final improvement plans.

KARA DAVIS (16-303-97)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Auerbach Engineering
California (United States)
Staff Engineer
June 2024—April 2026

Verified by
Walter R. Auerbach
wauerbach@auerbachengineering.com

Experience Summary
Full-Time
Engineering: 1 year, 10 months
Post EAC degree: 1 year, 10 months
**Experience under licensed engineer:
1 year, 10 months**

TASKS

I practice civil engineering with a focus on site development, drainage, and public utility infrastructure in the Lake Tahoe Basin. My specialties include grading design, stormwater management, utility design (water, sewer, and storm drain), and stormwater compliance with environmental standards.

Over the course of my employment, I have progressed from supporting design tasks to leading site design efforts and coordinating directly with clients and regulatory agencies. Early in my role, I assisted with Civil 3D drafting, surface modeling, and preparation of plan sets. As my experience developed, I took on responsibility for designing grading and drainage systems, performing hydrologic and hydraulic calculations, and preparing construction documents. Currently, I independently develop site civil designs, lead permitting efforts, and provide construction-phase support.

I am responsible for preparing grading plans, drainage reports, and utility layouts, including pipe sizing and profiles for water, sewer, and storm drain systems. I design stormwater management solutions such as conveyance systems, infiltration features, and erosion control measures, making engineering decisions to meet water quality requirements and site constraints. I also design accessible routes, parking areas, sidewalks, and driveways in compliance with ADA and local standards.

I lead coordination with local jurisdictions, utility districts, and regulatory agencies, preparing permit applications and responding to review comments. I also prepare and implement Stormwater Pollution Prevention Plans (SWPPPs), including BMP selection, site inspections, sampling, and compliance reporting.

During construction, I respond to RFIs, review submittals, and assist with field adjustments to ensure the design intent is achieved. My engineering responsibilities comprise approximately 90–95% of my role.

REPRESENTATIVE PROJECTS

1)

Madden Creek Water System Transmission and Distribution Improvements – Tahoe City, CA (2024–2026)

This project includes design, permitting, and construction-phase services for approximately 8,000 LF of water main replacement and installation for Tahoe City Public Utility District (TCPUD) in the Lake Tahoe Basin. The project improves system reliability and service through upgraded transmission and distribution infrastructure. I developed construction documents, including plan and profile drawings, and ensured compliance with TCPUD standards and integration with existing infrastructure. I prepared bid documents and made key design decisions regarding pipe alignment, profiles, and constructability constraints. I coordinated with regulatory agencies to support permitting and advanced the project into construction.

2)

Tahoe City Golf Course Drainage Maintenance Project – Tahoe City, CA (2025–2026)

This project consists of drainage improvements along the southern boundary of the Tahoe City Golf Course, including pipeline installation, culvert replacements, and coordination with a planned Placer County multi-use trail. I designed drainage improvements, including plan and profile drawings, pipe alignments, and drainage structures. I evaluated existing drainage systems and sized pipes and culverts based on downstream capacity, available grade, and constructability constraints. I coordinated closely with TCPUD and Placer County to align the drainage design with the adjacent trail project. I also advanced Placer County's multi-use trail design, refining the trail alignment and elevations to integrate with the proposed drainage system. I made engineering decisions to adjust grades and horizontal alignments to avoid conflicts, maintain drainage performance, and ensure constructability of both the trail and drainage improvements.

3)

Commercial Development and Utility Improvements (Sugar Bowl Gondola & DSPUD Coordination) – Donner Summit, CA (2024–2026)


This project includes civil engineering design, permitting, and construction support for the Sugar Bowl Gondola Replacement and Terminal Reconstruction, including coordination with Donner Summit Public Utility District (DSPUD) and Placer County. The work includes gondola terminal reconstruction, lift alignment improvements, and associated site civil and utility infrastructure. I produced civil design plans from schematic through final construction documents, including grading, drainage, erosion control, and utility layouts. I advanced plan sets through 50%, 90%, and 100% design and incorporated agency and client review comments. I also designed a water main extension when a conflict was discovered during utility potholing efforts. This included alignment, profile, and system connections, making engineering decisions based on site constraints, available grades, and utility conflicts. I led utility coordination efforts, identified required relocations and protections, and integrated civil improvements with lift infrastructure. I prepared stormwater quality plans, drainage calculations, and permitting exhibits, and facilitated improvement plan approvals with Placer County and DSPUD. I responded to agency comments across multiple review cycles and resolved design issues to maintain project schedule and compliance.

STAYSHA DELGADO (19-345-54)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL


 Applying To **Nevada**

Application Type **Initial - PE**

Application Date **04/27/2026**

Citizenship **United States**



SUMMARY



 Engineering Experience after EAC degree **5 years, 8 months**

Total Engineering Experience **5 years, 8 months**

Experience under licensed engineer **5 years, 8 months**

Disciplinary Action **None reported**

EDUCATION

 Bachelors in Civil Engineering (EAC)
University of the Pacific
August 2015–May 2020

EXAMS

 Fundamentals of Engineering (FE)
California
July 2020

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



LICENSES

 Additional Licenses **None**

STAYSHA DELGADO (19-345-54)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Terracon Consultants Inc.
California (United States)
Department Manager
August 2020 – April 2026

Verified by
Ryan Richard King
ryan.king@terracon.com

Experience Summary
Full-Time
Engineering: 5 years, 8 months
Post EAC degree: 5 years, 8 months
**Experience under licensed engineer:
5 years, 8 months**

TASKS

My major branch of engineering is geotechnical engineering, with specialization in geotechnical investigation, analysis, reporting, and project and departmental management within a consulting environment. My work focuses on evaluating subsurface conditions and providing engineering recommendations to support safe and economical design and construction of foundations, earthworks, pavements, and energy and infrastructure facilities.

I have been employed with Terracon since August 2020 and have gained progressively responsible experience across field engineering, technical analysis, project management, and leadership roles. My experience includes work on over 100 geotechnical investigations for a wide range of sectors, including solar and wind energy projects, substations, transmission lines, commercial and industrial developments, infrastructure and public works, healthcare and educational facilities, pavement assessments, and communications projects.

I began my career as a Field Engineer (August 2020–December 2021), performing subsurface exploration and field testing such as logging borings and excavations, electrical resistivity surveys, percolation and double-ring infiltration testing, pile load testing, and observation of pile installation. I also implemented health and safety plans during field operations.

I was promoted to Staff Engineer in December 2021, where my responsibilities expanded to include proposal development, coordination of fieldwork, permit applications, project administration, analysis of field and laboratory data, geotechnical analyses for foundations and structures, development of engineering recommendations, and preparation of geotechnical reports.

In November 2022, I advanced to Senior Staff Engineer, assuming increased responsibility for technically complex projects, quality control, client coordination, and mentorship of junior engineers. I was promoted to Group Manager in March 2023, leading the geotechnical group, overseeing project delivery, staffing, quality assurance, and financial performance. In March 2025, I advanced to Department Manager, with full accountability for departmental operations, business development, client relationships, and strategic leadership.

REPRESENTATIVE PROJECTS

Ionnis Lougaris Medical Center Seismic Project, Reno, Nevada (August 2020 – October 2022)

This project included geotechnical evaluation for a new boiler plant serving the Ionnis Lougaris Medical Center. I assisted with subsurface exploration by supporting drilling operations and reviewing boring logs and laboratory test results. I evaluated soil stratigraphy and engineering properties to support geotechnical recommendations for earthwork, shallow foundations, and floor slab construction. I assisted in assessing lateral earth pressures, frost depth considerations, and demolition constraints. My work informed engineering decisions related to allowable bearing pressures and constructability under seismic design requirements, and I contributed technical content to the final geotechnical engineering report.

Coyote Creek Agrivoltaic Ranch, Rancho Cordova, California (August 2021 – May 2024)

This project involved a new switch station, substation, and transmission line serving a large agrivoltaic solar development. I personally performed and coordinated field investigations, including advancing borings, conducting percolation testing, and completing electrical resistivity surveys. I reviewed and interpreted field and laboratory data and applied geotechnical engineering principles to evaluate site preparation, excavation feasibility, and seismic site classification. I performed engineering assessments of liquefaction potential, seismically induced settlement, and expansive clay behavior. I developed recommendations for shallow foundations, drilled shafts, pavement sections, and aggregate surface improvements, making design decisions that directly influenced foundation selection and earthwork planning.

Sparks Circle K Convenience Store, Sparks, Nevada (January 2023 – July 2023)

This project included a convenience store, fueling canopies, underground storage tanks, associated pavements, and a battery energy storage and switchyard facility. I managed the geotechnical scope of work and independently reviewed boring logs and laboratory test data to characterize subsurface conditions. I evaluated groundwater and dewatering requirements, assessed liquefaction potential, and determined lateral earth pressures for below-grade structures. I developed shallow foundation design

parameters, pavement section recommendations, and construction considerations. I exercised engineering judgment in determining construction feasibility and prepared a geotechnical engineering report that guided civil and structural design decisions.

Coyote Creek Solar Project, Sloughhouse, California (December 2022 – August 2025)

This project consisted of a solar farm, power substation, transmission line, and battery energy storage system. I coordinated and directed geotechnical investigations including borings, electrical resistivity testing, pile load testing, and seismic refraction surveys. I analyzed subsurface conditions to assess expansive soils, excavation limitations, shallow pile refusal, and foundation support on soil and rock. I performed engineering analyses for driven piles, drilled shaft foundations, shallow foundations, and access road design. I authored the geotechnical engineering report and made engineering decisions regarding foundation systems and construction methods based on site-specific constraints.

Sutter Carbon Capture Utilization Project, Yuba City, California (February 2025 – November 2025)

This project involved a carbon capture utilization facility and a carbon steel CO₂ pipeline crossing waterways using horizontal directional drilling (HDD). I led geotechnical investigations including borings, cone penetration tests, and test pits. I evaluated subsurface and groundwater conditions and performed preliminary engineering assessments related to hydraulic fracturing and inadvertent returns. I selected appropriate analytical methods and developed engineering recommendations for HDD feasibility, earthwork, and drill pad support. My work products supported alignment planning and construction risk mitigation for trenchless installation.

Western Nevada HDD Pipeline, Wadsworth, Nevada (October 2025 – April 2026)


This project involved geotechnical evaluation for HDD pipeline crossings beneath major roadways. I contributed to the geotechnical engineering report by assessing subsurface stratigraphy and anticipated trenchless boring conditions. I evaluated hydraulic fracture risk, applied engineering judgment to select appropriate analysis methods, and developed construction recommendations. I prepared earthwork and drill pad support criteria that informed design decisions and safe construction practices for HDD installation beneath critical infrastructure.

YERAB ERMIA (15-289-20)


All work experience reviewed by two licensed professionals





DISCIPLINE: CIVIL

GENERAL


 Applying To **Nevada**
Application Type **Initial - PE**
Application Date **04/20/2026**
Citizenship **United States**

SUMMARY


 Engineering Experience after EAC degree **11 years, 7 months**
Total Engineering Experience **11 years, 7 months**
Experience under licensed engineer **11 years, 7 months**
Disciplinary Action **None reported**

EDUCATION

 Bachelors in Civil Engineering (EAC)
Princeton University
September 2009–June 2013

EXAMS

 Fundamentals of Engineering (FE)
California
March 2022
Principles and Practice of Engineering (PE)
Civil
Nevada
December 2024



LICENSES

 Additional Licenses **None**

WORK EXPERIENCE

Moffatt & Nichol
California (United States)
Structural Design Engineer, Assistant
Project Manager
September 2014—April 2026

Verified by
Omar Jaradat
ojaradat@moffattnichol.com

Experience Summary
Full-Time
Engineering: 11 years, 7 months
Post EAC degree: 11 years, 7 months
**Experience under licensed engineer:
11 years, 7 months**

TASKS

Marine/Waterfront Structural Branch.

Work experience related to structural design calculations, 2D & 3D structural analyses (SAP2000, L-Pile, Xtract, Abaqus), drawings production (AutoCAD, Bluebeam), basis of design drafting, specifications production (SpecsIntact), quantity take-offs & cost estimation, and construction support management.

Projects and structures worked on are piers/wharves, mooring/berthing dolphins, bulkhead wall tieback structures, dry docks, hardened buildings, steel towers. Materials design are steel members and connections, reinforced concrete members and connections, reinforced concrete slab foundations and piles, foam-filled floating fenders & hydropneumatic submarine fenders.

Initially, I was a structural designer performing steel and reinforced concrete design calculations, running structural analyses extracting member demands, and performing berthing analyses for fender selection. Performed seismic structural design & analysis like response spectrum, pushover analysis, substitute structure method, and nonlinear time history, so both forced-based and displacement-based seismic design. Conducted quantity take-offs for cost estimation. As my role grew, I developed construction documents like drawing sets, specifications, basis of design, and cost estimates. Additionally, participated in design charrettes and design review meetings with clients. Began reviewing structural construction support items like RFIs, submittals, and shop drawings. With more time, managed several construction support projects coordinating all multi-discipline RFIs, submittals, and REAs and interfaced with client and contractors. Next role was Structural Task Lead and Assistant Project Manager. I lead structural teams during design of projects and coordinated production of structural design and construction documents. Additionally, as Assistant Project Manager and Project Manager, I focused more on developing and tracking schedule/deliverables, coordinated with all A-E team members and clients, and managed all project financials such as invoicing/billing, fee proposals, and budget tracking.

REPRESENTATIVE PROJECTS

One of my first projects was the design and construction of a steel range light tower at the Port of Long Beach (2015–2017). The scope involved increasing the height of an existing tower by designing a new steel tower base to support it. The existing tower was lifted and placed onto the new structure. I was responsible for all structural analyses and calculations. Seismic analysis was performed using force-based design with response spectrum analysis in SAP2000. Additional load cases included dead, live, wind, and temperature effects. I designed all steel members and connections for the new tower base, verified the adequacy of the existing tower, and designed the critical connection between the existing tower and new base. I also designed the foundation, consisting of a reinforced concrete mat slab supported by CIDH piles using LPILE software.

I worked on three similar projects in Guam involving the design and construction of four hardened buildings meant to protect Navy assets (2017–2025). These reinforced concrete structures were designed to withstand extreme loading and blast conditions. I performed 3D structural analyses in SAP2000, accounting for both service and seismic loads. Due to varying geotechnical conditions, I designed both shallow and deep foundations, including wall footings, mat slabs, and precast prestressed concrete piles. Deep foundation design incorporated soil p-y springs and LPILE analysis. I completed all structural calculations for member sizing, reinforcement detailing, and quantity takeoffs. During construction, I reviewed RFIs, submittals, shop drawings, and REAs, and conducted site inspections while coordinating with contractors and clients.

As the sole structural designer, I assessed and designed retrofits for an existing timber wharf at the Port of Los Angeles (2018–2020). The retrofit addressed damaged timber piles, inadequate pile-to-cap connections, and section loss in pile caps and decking. I also upgraded the berthing capacity by designing a new berthing dolphin consisting of a reinforced concrete pile cap supported by plumb and battered steel pipe piles. The dolphin was designed for service, seismic, berthing, and mooring loads. I conducted multiple site investigations and prepared inspection reports documenting existing conditions, and I managed all construction support coordination.

I served as structural designer and construction support reviewer for a new Navy bulkhead wharf in Guam (2019–2025). The system consisted of a steel bulkhead wall with king and sheet piles, supported by tiebacks anchored to a reinforced concrete deadman pile cap on steel piles. I performed global structural analyses in SAP2000, modeling soil-structure interaction using p-y springs. I also conducted berthing analyses for design vessels to develop the fendering and mooring system. My responsibilities included designing all structural steel and reinforced concrete components, detailing connections and reinforcement, and reviewing construction-phase submittals and RFIs.

I contributed as a structural designer on the temporary shoring wall system for a Navy dry dock project in Honolulu (2020–2023). The shoring system enabled phased dredging and construction of a new concrete dry dock. It consisted of king pile walls supported either by tiebacks anchored to sheet pile walls or by steel pipe struts spanning between shoring walls. I performed both 2D and 3D analyses of the system, accounting for staged construction with dredging and dewatering effects.

Most recently, I served as structural analyst for a seismic vulnerability assessment of an existing Navy reinforced concrete dry dock in Honolulu (2024–2025). I developed a detailed finite element model in Abaqus, incorporating nonlinear material behavior and soil-structure interaction using p-y and bearing springs. The analysis identified structural deficiencies, and we evaluated potential retrofit schemes to improve performance.

YERAB ERMIA (15-289-20)

All work experience reviewed by two licensed professionals

ADDITIONAL INFORMATION



TIME GAPS


Start Date	End Date	Explanation
July 2013	August 2014	Came back from my internship in Africa and was applying to jobs.

STEVEN GONZALES (19-749-91)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL


 Applying To **Nevada**

Application Type **Initial - PE**

Application Date **04/27/2026**

Citizenship **United States**



SUMMARY



 Engineering Experience after EAC degree **5 years, 11 months**

Total Engineering Experience **6 years, 4 months**

Experience under licensed engineer **4 years, 3 months**

Disciplinary Action **None reported**


 

EDUCATION

 Bachelors in Civil Engineering (EAC)
California State University, Fresno
August 2015–May 2020

EXAMS

 Fundamentals of Engineering (FE)
California
July 2020

Principles and Practice of Engineering (PE)
Civil
California
February 2023

LICENSES

 Additional Licenses **None**

STEVEN GONZALES (19-749-91)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Precision Civil Engineering, Inc.
California (United States)
Project Engineer
December 2019—January 2022

Verified by
Scott D Elia
scottdelia95@gmail.com

Experience Summary
Full-Time
Engineering: 2 years, 1 month
Post EAC degree: 1 year, 8 months
Experience under licensed engineer:
None

TASKS

I performed engineering design for land development projects, including grading, storm drainage, and pavement design, evaluating site constraints and developing grading plans to achieve positive drainage while maintaining ADA accessibility and compatibility with adjacent improvements. I completed hydrologic and hydraulic calculations to size storm drain pipes, inlets, and retention facilities in accordance with local agency standards, incorporating these designs into construction documents used for permitting and construction. I also designed pavement structural sections based on anticipated traffic loading and subgrade conditions using geotechnical R-values to ensure long-term performance. Through this work, I contributed to the preparation of construction-ready plans and coordinated with project managers, utility consultants, and reviewing agencies to address design comments and ensure compliance with local standards.

REPRESENTATIVE PROJECTS

I performed civil engineering design services for the StorQuest Self Storage project, a 1.25-acre self-storage facility located on North Island Waterpark Drive in Fresno, California. The project included a 5,000-square-foot one-story office building, storage units, onsite parking, a trash enclosure, and associated utility improvements. My involvement spanned 2019 through 2020, during which I was responsible for grading, storm drainage, pavement, and utility design.

I designed the grading plan by evaluating existing site conditions and establishing finished grades to promote positive drainage across all paved and landscaped areas while maintaining ADA accessibility compliance. I designed the onsite storm drain system to collect and convey runoff generated by the proposed impervious surfaces, and I calculated stormwater runoff using the Rational Method with rainfall intensity data consistent with City of Fresno standards. I sized storm drain pipes and inlets based on calculated peak flows and designed any required retention facilities to comply with local drainage requirements. I designed the pavement structural section for drive aisles and parking areas using geotechnical R-values and anticipated traffic loading to ensure long-term performance. Additionally, I designed the domestic water and sewer lateral alignments, coordinating connections to existing public utilities.

I performed civil engineering design services for the Callister Dental project, a 5,000-square-foot dental office development located on North Clovis Avenue in Clovis, California.

The project involved the development of an approximately half-acre vacant dirt lot to accommodate a one-story dental office building, onsite parking, a trash enclosure, and associated utility improvements. My involvement spanned from 2020 through 2021, during which I was responsible for the civil engineering design of grading, pavement, utilities, and stormwater management. I designed the grading plan for the site by evaluating existing topographic conditions and establishing finished grades to promote positive drainage across all paved and landscaped areas. I analyzed the relationship between the proposed building pad elevation, adjacent street improvements along North Clovis Avenue, and surrounding properties to ensure compatibility and prevent drainage impacts to neighboring parcels. I designed the grading to maintain ADA accessibility compliance, ensuring that walkways, accessible parking stalls, and paths of travel met maximum slope criteria while functioning within the overall drainage scheme of the site.

I calculated expected stormwater runoff using the Rational Method, applying appropriate runoff coefficients and local rainfall intensity data consistent with City of Clovis standards. I calculated peak runoff flows to ensure existing City of Clovis infrastructure could handle runoff generated from the project.

I designed the pavement structural section for the onsite parking lot and drive aisles based on anticipated traffic loading and subgrade conditions. I analyzed the geotechnical report to obtain the native subgrade R-value and calculated the appropriate

Traffic Index for the expected vehicle types, designing an asphalt concrete over aggregate base section to ensure long-term pavement performance.

I also designed the onsite utility layout, coordinating the placement of domestic water and sewer laterals to serve the proposed building. I analyzed available points of connection along North Clovis Avenue and designed lateral alignments to efficiently route utilities while maintaining required separation distances and compliance with serving agency requirements.

Throughout my involvement, I prepared construction documents incorporating all civil designs and worked to address plan check comments from the City of Clovis to ensure compliance with local engineering standards prior to permit issuance.

STEVEN GONZALES (19-749-91)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

City of Clovis
California (United States)
Engineer II

January 2022—November 2022

Verified by

Fernando J Copetti

FernandoC@ci.clovis.ca.us

Experience Summary

Full-Time

Engineering: 10 months

Post EAC degree: 10 months

**Experience under licensed engineer:
10 months**



TASKS

I performed pavement analysis to determine the most appropriate rehabilitation method for existing roadways, reviewing pavement core samples and geotechnical information to evaluate the existing pavement structure, subgrade R-values, and whether the section was structurally adequate to support anticipated traffic loads. When the existing pavement was found to be insufficient, I calculated revised pavement sections by adjusting asphalt concrete thickness or aggregate base depth, and selected the appropriate rehabilitation strategy — either a grind and asphalt overlay for surface restoration or full-depth reconstruction when the pavement had deteriorated or lacked sufficient structural capacity. Following the analysis, I prepared construction drawings depicting the recommended rehabilitation approach and pavement section, producing construction-ready plans that addressed roadway deterioration while extending the service life of the pavement.



REPRESENTATIVE PROJECTS

Ashlan – Temperance to Dewolf

I worked on this road improvement project along Ashlan Avenue from Temperance Avenue to Dewolf Avenue in Clovis, CA, from January 2022 through September 2022. My work included grading design, pavement design, geotechnical analysis, and traffic control planning. I focused on improving the structural integrity and drivability of the corridor while ensuring safe and efficient traffic flow was maintained throughout construction.

Fowler – Bullard to Barstow

From February 2022 through October 2022, I contributed to this road improvement project along Fowler Avenue between Bullard Avenue and Barstow Avenue in Clovis, CA. My responsibilities included grading design, pavement design, geotechnical analysis, and traffic control. I concentrated my design efforts on delivering a durable pavement section supported by thorough geotechnical investigation to address existing subgrade conditions along the corridor.

Bullard – Fowler to Armstrong

I was involved in this road improvement project along Bullard Avenue from Fowler Avenue to Armstrong Avenue in Clovis, CA from March 2022 through November 2022. My work encompassed grading design, pavement design, geotechnical analysis, and traffic control planning. Running concurrently with the Fowler Avenue project, I carefully coordinated design elements across both efforts to ensure consistent, long-lasting roadway improvements while minimizing disruption to the surrounding community.

STEVEN GONZALES (19-749-91)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Galloway and Company LLC
California (United States)
Civil Design Engineer
November 2022—April 2026

Verified by
Terra Mortensen
terramortensen@gallowayus.com

Experience Summary
Full-Time
Engineering: 3 years, 5 months
Post EAC degree: 3 years, 5 months
Experience under licensed engineer:
3 years, 5 months

TASKS

As a design engineer, I am responsible for preparing engineering designs and construction documents for land development and roadway improvement projects. My tasks include developing grading plans, designing storm drain systems, and preparing pavement sections based on project requirements, site constraints, and applicable agency standards. I perform engineering calculations to support design decisions, including drainage analysis, pipe sizing, and pavement structural design using geotechnical recommendations.

I coordinate with project managers, surveyors, geotechnical engineers, dry utility consultants, and city agencies to incorporate their recommendations into the design and ensure compatibility between project elements. I also respond to agency review comments, lead backcheck meetings, and revise plans to achieve permitting approval. Through these responsibilities, I contribute to the development of construction-ready plans that guided project implementation and ensured the proposed improvements functioned safely and effectively.

REPRESENTATIVE PROJECTS

Surf-Thru Express Carwash in Reedley, California.

I provided civil engineering services from November 2022 through January 2025 for a 4,000 square foot carwash facility situated on a 1.7-acre site at 505 North Reed Street. The project involved the design and development of a single-story building complete with parking, utilities, and all necessary carwash amenities. My scope of work on this project was comprehensive, encompassing grading design to establish proper site drainage and earthwork, pavement design to ensure durable and functional vehicle circulation areas, geotechnical analysis to evaluate subsurface soil conditions and provide foundation recommendations, and utility design to coordinate water, sewer, and other essential infrastructure systems. This project allowed me to deliver a fully integrated civil design package that supported the client's operational needs while meeting all applicable local and state requirements for a commercial carwash facility in Reedley.

Surf-Thru Express Carwash in Tulare, California.

I provided civil engineering services from March 2024 through April 2026 for a 3,400 square foot carwash facility on a 1.4-acre site located at the northeast corner of Mooney Boulevard and Bardsley Avenue. The development consisted of a single-story building with parking, utilities, and carwash amenities, as well as street frontage improvements along the project's public-facing boundaries. My work on the street frontage improvements included pavement section analysis, striping design, and sidewalk design to ensure safe and compliant pedestrian and vehicular access along the adjacent roadways. In addition to the frontage work, I performed grading design, pavement design, geotechnical analysis, and utility design for the overall site. The Tulare carwash project built upon my experience from the Reedley location and required close coordination with local agencies to address the more prominent corner site and its associated public infrastructure obligations.

Auto parts retail store in Huron, California. I provided civil engineering services from November 2024 through April 2026 for a 4,800 square foot single-story building on a one-acre site at the northwest corner of Lassen and 12th Street. The project included parking, electric vehicle charging infrastructure, utilities, and street frontage improvements, making it a multifaceted commercial development with both private site needs and public right-of-way obligations. The street frontage improvements on this project were particularly notable, involving sidewalk design and the lowering of an existing water main to accommodate the new development and maintain proper utility clearances. My full scope of work included grading design to address site drainage and earthwork requirements, pavement design for the parking and drive aisle areas, geotechnical analysis to characterize soil conditions and inform structural and pavement recommendations, and utility design to serve the building's water, sewer, and other infrastructure needs. This site also included inclusion of EV charging infrastructure and the water main adjustment. For EV charging, I analyzed the building code to advise on how many stalls were required by the state of California. For water main lowering, I analyzed existing conditions and advised on the best way to tie-in to existing infrastructure without disturbing any other

existing or proposed utilities.

NICHOLAS GREER (22-117-03)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
05/04/2026

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 Electrical Engineering (EAC)
University of Texas, Arlington
August 2015–December 2019

Non-degree
North Central Texas College
June 2016–July 2016



EXAMS



Fundamentals of Engineering (FE)
Nevada
December 2022

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

LICENSES



Additional Licenses
None

NICHOLAS GREER (22-117-03)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Micron Technology
Idaho (United States)
Validation Engineer
January 2020—March 2022

Verified by
Nicholas Greer (Self)

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



TASKS

I performed validation engineering activities for new dynamic random access memory (DRAM) products to verify compliance with electrical and functional design specifications. I developed and implemented test flows for automatic test equipment (ATE) to confirm functionality across specified operating conditions.

I wrote Python software to automate test execution and analyze performance data against established design criteria. I assisted in developing validation plans to evaluate potential failure modes and high-risk design features. I analyzed test results, investigated anomalies, and collaborated with design engineers to support issue resolution prior to product release.

Additionally, I developed a standardized code review process for validation software to improve quality and consistency within the engineering team.



REPRESENTATIVE PROJECTS

MBIST Feature Validation - Project Manager

January 2020 through March 2022

I was part of a team, and eventually the project manager for, a project to develop a new test flow to validate the functionality of memory built-in self-test (MBIST) features on DDR5 DRAM designs. My role was to create test software using Python for use on automatic test equipment. I developed software to induce faults on DDR5 DRAM and force the chip to self-repair to confirm MBIST features function correctly. I tested this software on pre-production silicon before official validation of MBIST designs commenced.

NICHOLAS GREER (22-117-03)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

State of Nevada - Division of
Environmental Protection
Nevada (United States)
Staff Associate Engineer
April 2022—March 2024

Verified by
Chad Christopher Myers
cmyers@ndep.nv.gov

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

My primary tasks and duties consisted of conducting field inspections and on-site emissions testing observations, as well as analyzing process throughputs, operation records, and emissions (stack) testing results from stationary air pollution sources to evaluate compliance with applicable US EPA air quality regulations and state air quality operating permit conditions. Through field inspections and analysis of available operating and testing data, I evaluated the effectiveness of engineered air pollution control technology and identified corrective actions for facilities operating out of compliance with state permits, working with facility environmental staff to ensure issues of non-compliance were resolved.

I produced inspection reports and stack testing reviews to record detailed instances of non-compliance with state permits and ensure the results presented in stack testing reports aligned with records taken during on-site observation of stack testing. I also reviewed reports provided by facility environmental staff, including deviation and excess emission reports, annual and semi-annual compliance reports, and annual emission reports to identify additional instances of non-compliance.

Working with permitting staff within the agency, I reviewed draft air quality operating permits to ensure permit conditions are enforceable and can be tested.

REPRESENTATIVE PROJECTS

Hazardous Waste Treatment Facility Compliance Actions

November 2022 – March 2024

In November 2022, I performed a routine compliance inspection at a hazardous waste recycling facility in Northern Nevada to evaluate compliance with air quality regulations and operating permit conditions. During the inspection, I observed residue collecting around scrubber ductwork, indicating potential issues with emission capture efficiency. I also observed residue around the top of a stack equipped with a demister pad, suggesting the emission control system was not functioning as intended. Strong odors were present in active work areas, indicating potential fugitive emissions of volatile organic compounds (VOCs).

I reviewed facility records and identified multiple instances of missing required recordkeeping, as well as records showing exceedances of permitted process throughput limits. I analyzed stack testing results submitted by the facility and determined that emissions exceeded permitted limits.

Based on these findings, I developed a compliance order requiring the facility to perform additional source testing and take corrective actions. I determined the appropriate EPA source testing methods based on the pollutants of concern and reviewed source testing protocols to ensure testing would be conducted in accordance with permit conditions and approved methodologies.

This project required field inspection, evaluation of emission control equipment, review of compliance records, and technical analysis of source testing data to support enforcement actions and ensure compliance with air quality regulations.

Lithium Battery Recycling Facility Compliance Actions

June 2022 – March 2024

I led inspection and compliance actions at a lithium battery recycling facility in Northern Nevada in response to odor complaints from members of the public. I performed multiple site visits to evaluate the presence of odors and determine whether they were originating from facility operations.

I reviewed source testing conducted by the facility, comparing the testing procedures to approved EPA reference methods, and determined that required methods were not followed. Based on this review, I required the facility to retest emissions for VOC, NO_x, CO, and SO₂. I also reviewed source testing protocols submitted for retesting to ensure compliance with EPA methods and permit requirements.

Following an increase in odor complaints, I led a comprehensive compliance inspection with staff from the agency's solid and hazardous waste branch to identify the source of the issue. During the inspection, I determined that the facility was processing unapproved non-battery materials, which contributed to the odors. I also identified that emission control systems, including afterburners and lime dosing systems, were not being properly operated.

Additionally, I observed that the facility was using an unsafe method to cool overheating batteries, which created potential safety and environmental risks. Based on these findings, I supported enforcement actions to address violations and require corrective measures.

This project required coordination across regulatory programs, field investigation of air quality impacts, and technical evaluation of source testing and emission control systems to ensure compliance with environmental regulations and protection of public health.

NICHOLAS GREER (22-117-03)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

US Department of Health and Human Services - Indian Health Service Nevada (United States)
Field Engineer
March 2024—April 2026

Verified by
Sophia Kantor Lopez
sophia.lopez@ihs.gov

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

TASKS

My tasks and duties consist of design and project management responsibilities for water and wastewater projects on Tribal lands in Northern Nevada. I serve as the project engineer for individual septic system projects, performing on-site soil testing and soil classification to calculate the sizing and determine the type of septic drainfield to install based on site conditions. I research site conditions using well logs and other geotechnical data to design water wells and pressure systems, including sizing well pumps based on anticipated well depth. I compute quantities and prepare estimates of construction costs. For ongoing projects, I perform project management tasks such as coordinating scheduling, reviewing submittals, processing change orders, and processing payments to contractors. I draft and finalize construction document packages that include contract documents, technical provisions, and construction drawings. Using drafting software (Civil3D), I develop site plans and details to include in construction document packages. I perform hydraulic water modelling and use the results to design water mains, water service lines, and pressure reducing valves. I develop preliminary engineering reports to determine appropriate design alternatives and to assist Tribes in securing project funding. For projects under construction, I provide construction inspection to ensure project construction adheres to plans and specifications developed by myself and other engineers.

REPRESENTATIVE PROJECTS

Pyramid Lake - Sutcliffe Transmission Main Project

January 2025 – Present

I serve as the project engineer for an approximately \$600,000 project to replace approximately 1100 feet of water transmission main and replace failed air release valves in Sutcliffe, NV. The project also includes the design and construction of a pressure reducing valve station. I performed an initial site evaluation to determine the location and condition of existing facilities. I used hydraulic modelling to size the PRV station and created technical provisions for the PRV station. I designed the transmission main alignment, calculating cut and fill for the stabilization of an unstable hillside where the transmission main is to be constructed. I used Civil3D to create all construction drawings for the project. I produced the construction document package including contract documents, technical provisions. I estimated quantities and construction cost based on my design. I perform project management tasks, working with the Pyramid Lake Paiute Tribe to advertise the construction document package, receiving bids, evaluating bids, and reviewing submittals. The project is currently under construction, and during this time I inspect construction and evaluate potential change orders based on unexpected site conditions.

Individual Homesite Services

March 2024 – Present

I serve as the project engineer for over a dozen projects to serve individual Tribal homes in Northern Nevada, Eastern California, and Southern Idaho, including projects to construct on-site septic systems, domestic wells, and water and sewer service lines. I perform initial site evaluations to determine the most appropriate septic system design based on site conditions. I calculate septic tank and drainfield sizing based on home occupancy and soil conditions. I design water wells and pressure systems based on available geotechnical information and perform value engineering to construct wells within agency cost guidelines. During construction, I inspect construction to ensure that the correct materials, pipe slopes, and testing, as well as generally verifying that construction is performed according to specifications.

NICOLE HAYWARD (19-864-74)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
05/04/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree
2 years, 2 months

Total Engineering
Experience
2 years, 2 months

Experience under licensed
engineer
2 years, 2 months

Other Experience

Disciplinary Action
None reported



EDUCATION



Bachelors in Bioengineering (EAC)
Oregon State University
September 2012–June 2016

Non-degree
University of Colorado Colorado Spings
August 2013–May 2014

Non-degree
Portland State University
June 2014–August 2014

Non-degree
Linn-Benton Community College
January 2016–June 2016

Masters in Civil and Environmental Engineering
University of Nevada, Reno
August 2022–December 2023



LICENSES



Additional Licenses
None

EXAMS



Fundamentals of Engineering (FE)
Nevada
February 2024

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

NICOLE HAYWARD (19-864-74)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Scribe-X
Oregon (United States)
Medical Scribe
July 2016—March 2017

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

NICOLE HAYWARD (19-864-74)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Lonza
Oregon (United States)
Manufacturing Operator
November 2017—November 2019

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

NICOLE HAYWARD (19-864-74)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Amazon
Oregon (United States)
Area Manager
July 2020—July 2022

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

NICOLE HAYWARD (19-864-74)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Keller Associates, Inc.
Nevada (United States)
Project Engineer
March 2024—May 2026

Verified by
Jeremy Wilson
jwilson@kellerassociates.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 have worked as a civil and environmental engineer with Keller Associates, Inc. since March 2024, performing planning, design, and construction support for water and wastewater projects under the supervision of licensed professional engineers. My work has included water treatment facilities, wastewater treatment plants, wastewater collection systems, and groundwater wells. During my first year, I supported senior engineers by performing engineering calculations, data analysis, and drafting preliminary engineering reports and technical memorandums for water and wastewater systems. My responsibilities included hydraulic modeling based on velocity and headloss criteria and development of cost estimates for preliminary engineering reports. I also assisted with preparation of civil plan sets and technical specifications. As my experience progressed, I advanced into leading design efforts on portions of projects. In this role, I developed technical design approaches and completed final design deliverables, including civil plan sheets, process and mechanical layouts, and detailed design calculations. My work has included plan and profile design, site layout, and process piping design, including evaluation and selection of pipe materials, diameters, valves, fittings, and pumping requirements. I have also been responsible for coordinating design efforts between structural, electrical/controls, HVAC/plumbing, and civil disciplines. I have provided construction engineering support on projects including review of submittals, responses to requests for information, and evaluation of change orders.

REPRESENTATIVE PROJECTS

Miner's Park Collection Improvements PER
Diamondville, WY
03/2024-07/2024

I evaluated the capacity of the Diamondville lift station including the collection system, pumps and forcemain to determine if there was sufficient capacity for a new proposed development. I also evaluated the Miner's Park lift station capacity using pump run time data and pump drawdown test results. I developed proposed improvements and a planning level cost estimate.

Miner's Park Collection Improvements Design
Diamondville, WY
03/2024-08/2024

I assisted with the civil and mechanical design of a 350 gpm lift station retrofit. I designed the mechanical layout, wet well demolition plan for conversion to submersible pumps, and site layout. I completed headloss calculations for pump sizing, and helped develop the technical specifications, construction sequencing plans, and I am currently aiding in construction engineering support.

Eagle Sewer District Reuse Application
Eagle, Idaho
09/2024-03/2025

I assisted with a technical report for the Eagle Sewer District recycled water reuse permit application. I calculated the projected crop uptake of nutrients in the proposed canal supply area and compared the uptake to the proposed nutrient loading from the class A effluent. I developed a report in accordance with IDAPA 58 requirements.

Tanner WTP Reliability PER
Amador County, California
09/2024-05/2025

I evaluated the Tanner WTP capacity and ability to meet 2045 water demands. I wrote a preliminary engineering report analyzing alternatives to meet the 2045 demand and recommended an improvement. I developed a preliminary cost estimate for the improvements.

lone WTP Reliable Capacity Improvements Design

Design of drinking water clarifier - lone, California

10/2024-10/2025

I designed clarifier improvements for the lone WTP to increase the capacity of the system from 3.1 MGD to 4.1 MGD. I developed a hydraulic model in Visual Hydraulics to evaluate the capacity of the clarifier and filters to identify the limiting component. I developed launder, outlet box, and piping improvements to increase the capacity and helped develop the technical specifications and construction sequencing plan for the project.

9th Street Pump Station Design

Independence, Oregon

11/2024-01/2026

I assisted in the civil and mechanical design of a 3,100 gpm sewage pump station. I designed the mechanical and site layout, and helped develop the technical specifications and construction sequencing plan for the project. I completed pump calculations and the hydraulic analysis for the system piping and pump sizing and selection. I helped design the plan and profile of the new forcemain.

Sandpoint WWTP PER

Hydraulic profile development - Sandpoint, Idaho

01/2025-04/2025

I developed a hydraulic profile for the existing WWTP in Sandpoint Idaho using Visual Hydraulics to evaluate the capacity of the system and identify improvements needed to treat future flows. I also developed a hydraulic profile in Visual Hydraulics for the proposed improvements to the WWTP.

Fernley WTP PER

Fernley, Nevada

02/2025-06/2025

I wrote a preliminary engineering report for the Fernley WTP that analyzed the deficiency of the caustic soda and compressed air system. I analyzed the existing system, identified deficiencies, analyzed alternatives and developed a preferred alternative. I also developed a planning level cost estimate for the proposed improvements.

Amity WWTP Mixing Zone Study

Evaluation of treated wastewater effluent dilution to meet NPDES permit requirements – Amity, Oregon

06/2025-12/2025

I analyzed data to produce different ambient river and effluent flow mixing scenarios. I modeled different effluent dilution scenarios using CORMIX 12.0 and direct dilution using the Oregon DEQ permitted percentage of ambient flow to determine the dilution factors. I used the updated mixing zone dilution factors to determine if the client could meet updated NPDES permit ammonia limits with outfall improvements.

Talus Valley BPS

Booster pump station construction engineering support - Reno, Nevada

11/2025-Current

I am assisting with the construction engineering support of a 4,000 gpm booster pump station in Reno, Nevada. I reviewed submittals and developed construction change directives and RFI responses.

Spring Creek Well 8

Well retrofit design - Sparks, Nevada.

01/2026- Current

I assisted with the preliminary mechanical design of a 750 gpm well redesign in Sparks, Nevada. I designed the preliminary mechanical layout, and pump selection for the conversion of an existing submersible well pump to a vertical turbine pump housed in a building. I wrote a PER analyzing the alternatives for the well redesign.

NICOLE HAYWARD (19-864-74)

All work experience reviewed by two licensed professionals

ADDITIONAL INFORMATION



TIME GAPS

Start Date	End Date	Explanation
April 2017	October 2017	Was looking for permanent employment and worked part-time odd jobs at a farm over the summer.
December 2019	June 2020	Relocated and was looking for permanent employment.

ERNESTO HERNANDEZ (25-278-44)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
05/06/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree

Total Engineering
Experience
2 years, 6 months

Experience under licensed
engineer
2 years, 6 months

Other Experience

Disciplinary Action
None reported



EDUCATION



Bachelors in Earth and Environmental Science
University of New Orleans
August 2013–May 2019

Masters in Civil and Environmental Engineering
University of Nevada, Las Vegas
August 2021–May 2024



EXAMS



Fundamentals of Engineering (FE)
Nevada
February 2025

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

LICENSES



Additional Licenses
None

ERNESTO HERNANDEZ (25-278-44)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

WoW Cafe
Louisiana (United States)
Bartender
December 2018—March 2020

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

ERNESTO HERNANDEZ (25-278-44)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Big Easy Daiquiris
Louisiana (United States)
Bartender
December 2020—July 2021

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

ERNESTO HERNANDEZ (25-278-44)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

AtkinsRealis
Nevada (United States)
Engineer I
May 2023—July 2025

Verified by
Timmie Jerell Winston
tim.winston@atkinsrealis.com

Experience Summary
Part-Time
Engineering: 1 year, 8 months (75%)
Experience under licensed engineer:
1 year, 8 months



TASKS

I performed civil engineering design and drafting for roadway and utility infrastructure within a master-planned community development. My primary branch of engineering is civil engineering, with a focus on land development. My responsibilities included preparing and updating plan sets using AutoCAD Civil 3D.

I developed layouts and profiles for new roadways and coordinated associated utility systems, including sanitary sewer, storm drain, and water line design. This work involved applying design standards, reviewing alignments and elevations, and ensuring consistency across multiple sheets and disciplines. I also contributed to traffic-related design elements, including traffic control plans, signage, and pavement striping, as well as labeling and detailing to support construction documents.

Over the course of my employment, I progressed from supporting drafting tasks to taking on greater responsibility in design coordination and plan development. Initially, my role focused on updating redlines and assisting with plan production. As I gained experience, I became more involved in developing design components, preparing complete sheets, and coordinating across disciplines to ensure accurate and constructible plans.

My work was entirely engineering-related, involving the preparation of design documents and technical drawings under the supervision of licensed professional engineers. This experience provided exposure to the full design process, from initial layout through final construction documentation, and strengthened my understanding of civil design principles, standards, and software tools.



REPRESENTATIVE PROJECTS

Project #1: Park Drift Trail, a roadway and utility development within a master-planned community. I supported civil design and plan production using AutoCAD Civil 3D. My responsibilities included preparing and updating plan and profile sheets, drafting horizontal alignments, and assisting with utility design for new roadways. I incorporated design direction and redline comments from senior engineers into construction documents, including revisions to sanitary sewer, storm drain, and water systems. I also assisted with traffic-related plan sheets, including signage, striping, and traffic control layouts, as well as labeling and detailing. Over time, my role progressed from basic drafting tasks to taking on more complete sheet development and coordinating revisions across multiple disciplines. My work products consisted of updated and finalized plan sets used for permitting and construction, reflecting accuracy, consistency, and adherence to established design standards.

Project #2: "Debris Basin" a detention basin for the same master planned community, upstream of Park Drift Trail. I supported the design of a stormwater detention facility sized to capture approximately 500 acre-feet of runoff from a 100-year storm event. I joined the project after initial design had begun and contributed to ongoing design revisions and plan updates. A key task was preparing an AutoTURN exhibit to evaluate maintenance vehicle access into the basin. The analysis identified maneuverability constraints, which prompted revisions to the entry road alignment. I then assisted in implementing corresponding updates to grading, access geometry, and retaining wall layouts based on direction from senior engineers. This effort involved working through multiple iterations of redlines and maintaining consistency across plan sheets. My responsibilities required coordination between grading and access elements, as well as careful attention to detail in reflecting design changes accurately.

ERNESTO HERNANDEZ (25-278-44)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

IMEG
Nevada (United States)
Civil Engineering Graduate Designer
July 2025 – May 2026

Verified by
Tyler Yohman
Tyler.R.Yohman@imegcorp.com

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



TASKS

I contributed to civil engineering design and plan production for over 20 projects across a range of sectors, including commercial developments, parks, warehouses, schools, hospitals, and private redevelopment sites. I supported multiple stages of the design and documentation process using AutoCAD Civil 3D.

My primary discipline is civil engineering with a focus on site development. I assisted in grading and drainage design, utility layout (water, storm, and sanitary sewer), and pavement design. I reviewed and addressed redline comments, implementing revisions to ensure plans met project requirements, design standards, and regulatory criteria.

My responsibilities included preparing and updating construction drawings for municipal submittals. I supported the development of grading plans and stormwater management solutions, and contributed to the design of utility systems, including water distribution and storm and sanitary sewer networks. I also assisted with traffic-related plan components. A key part of my role was revising plans based on internal quality reviews and city agency feedback to help advance projects through the approval process. I also researched as-built records to inform design decisions, supported feasibility evaluations for proposed developments, and responded to RFIs during the design and review process to clarify plans and address project-related questions.



REPRESENTATIVE PROJECTS

Project: 777 Fremont, Las Vegas, NV (2025–2026)

This project involved the civil site development design for a 17-story development located in Las Vegas, Nevada, including preparation of construction documents for agency review and approval. I drafted the complete civil plan set using AutoCAD Civil 3D, including the horizontal control plan, site plan, utility plan, grading plan, sections, details, and traffic control plan. I assisted in utility design calculations and design decisions for water, storm drain, and sanitary sewer systems, and supported grading design to ensure proper site drainage and compliance with local standards. I also incorporated internal and jurisdictional review comments throughout the design process to refine and update the plans for submittal.

Project: Dewey Sewer, Las Vegas, NV (2025–2026)

This project involved the design of a sanitary sewer extension to connect an existing warehouse facility to the public sewer main within the adjacent roadway, allowing for abandonment of an existing septic system. The scope also included demolition coordination and roadway restoration in accordance with local agency standards. I designed the sewer alignment from the warehouse connection point to the public main, developed the demolition limits, and prepared plans for sewer installation and pavement restoration. I also reviewed and incorporated internal comments to refine the design and ensure compliance with applicable standards and project requirements.

ERNESTO HERNANDEZ (25-278-44)

All work experience reviewed by two licensed professionals

ADDITIONAL INFORMATION



TIME GAPS

Start Date	End Date	Explanation
April 2020	November 2020	Laid off for covid-19

KENNETH HICKENBOTTOM (22-275-23)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
03/24/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree

Total Engineering
Experience
2 years

Experience under licensed
engineer
2 years

Other Experience

Disciplinary Action
None reported



EDUCATION



Bachelors in Wildlife Ecology and Conservation
University of Nevada, Reno
August 2012–May 2018

Doctorate in Civil and Environmental Engineering
University of Nevada, Reno
January 2019–December 2023



EXAMS



Fundamentals of Engineering (FE)
Nevada
February 2022

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

LICENSES



Additional Licenses
None

KENNETH HICKENBOTTOM (22-275-23)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Nevada Division of Environmental
Protection
Nevada (United States)
Environmental Scientist
October 2018—July 2019

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

KENNETH HICKENBOTTOM (22-275-23)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

DOWL
Nevada (United States)
Design Engineer
February 2024—October 2025

Verified by
Alex Stodtmeister
AStodtmeister@dowl.com

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

TASKS

Water Resources Design Engineer: Performed calculations with engineering concepts such as Bernoulli's principal and equation, and used modeling software to analyze water and reclaimed wastewater distribution system hydraulics. Review and plan distribution system hydraulic improvements. Designed pump stations and and pipe networks and specified final design criteria for planning purposes.

Process Engineer: Create piping and instrumentation diagrams for water treatment plants. Quality control on plan sets. Design water treatment train, piping, and chemical feed layouts. Prepare cost estimates. Communicate with state regulatory agencies. Draft engineering reports and formulate design alternatives. I designed the following treatment components: vessel size, booster pump and lift station pump sizing, filter backwash systems, and facility sewer routing. I calculated treatment vessel bed size based on empty bed contact time and surface loading rates, and calculated chemical dosing and contact time requirements for sodium bisulfite dechlorination.

REPRESENTATIVE PROJECTS

2024-2025- TRI General Improvement District Water and Reclaimed Water Expansion Master Plans Clark, Nevada, United States. Utility Planning and Distribution System Design:

I worked on a team that designed the expansion of water and reclaimed effluent distribution systems for a general improvement district. I produced adraft of the reclaimed effluent master plan a general improvement district. I made engineering decisions related to the routing of the system, pipe sizing, and creation of the new system's pressure zones. I used Nevada State Administrative Code to guide pipe sizing decisions to not exceed maximum velocities while not over-sizing pipes. I used my knowledge of the general improvement district's design and operation standards to size and place pumps and pressure-reducing valves to not exceed maximum pressures and maintain minimum pressure.

2024-2025- Plumas-Eureka Community Service District Arsenic Treatment Plant Plumas-Eureka, California, United States. Water Treatment Plant Design:

I was a project engineer for a 0.86 million-gallon-per-day arsenic treatment plant. I worked as a Design Engineer under the supervision of a licensed and registered professional engineer. As I became more familiar with the project, I began making design decisions with less oversight. I made engineering decisions on treatment system sizing, pump sizing, treatment and chemical system layout, site grading, and backwash system design. I used 10-years of the system's water demands to size the arsenic treatment vessels to meet the maximum daily flow requirements. I sized the treatment plant's booster pump system based on hydraulic analysis of the distribution system. I decided where chemical injection should occur to meet contact time and adjusted the plant's interior piping to meet this requirement. I made decisions on how to route and where to place the holding vessels, and how to grade the site for the backwash cycle, along with the sizing of the holding vessels. This was based on the application of engineering principles such as orifice flow, and manning's equation.

2024-2025- Canyon General Improvement District PFAS Treatment Pilot Lockwood, Nevada, United States. Water Treatment Plant Design:

I was a project engineer for a pilot PFAS treatment system for 0.24 million-gallon-per-day water treatment plant. I designed the following treatment components: vessel size, chemical metering pump sizing, and system discharge. I coordinated with vendors for the treatment vessels and chemical supply, EPA engineers, and analytical laboratories. I performed cost estimates for treatment options for full-scale treatment for the Preliminary Engineering Report. I worked as a Design Engineer under the supervision of a licensed and registered professional engineer. As I became more familiar with the project, I began making design decisions with less oversight. I made engineering decisions on treatment system sizing, chemical metering pump sizing, treatment and chemical system layout, and pilot start-up. I decided where chemical injection should occur to meet contact time and adjusted the plant's interior piping to meet this requirement. I made decisions on which chemical metering pump, injection equipment, and mixing equipment to use. This was based on engineering principles such as pump curves, hydraulic retention time, and chemical dosing stoichiometry. I also decided and implemented solutions to operational issues involving backwashing and other flow issues

by applying engineering concepts such as particle settling, head-loss, and Bernoulli's equation.

KENNETH HICKENBOTTOM (22-275-23)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Jacobs
Nevada (United States)
Water/Wastewater Engineer
November 2025 – March 2026

Verified by
Dylan Menes
Dylan.Menes@jacobs.com

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



TASKS

Project engineer: Create piping and instrumentation diagrams for water treatment plants. Quality control on plan sets. Design water treatment train and chemical feed layout. Prepare cost estimates. Review and plan distribution system hydraulic improvements. Communicate with state regulatory agencies. Draft engineering reports and formulate design alternatives.



REPRESENTATIVE PROJECTS

2025-July 2027: NTPUD National Avenue Water Treatment Redesign- Project Engineer
2025-September 2026: TMWRF Dewatering- Project Engineer
2025-May 2026: Gold Country PER- Project Engineer

For the NTPUD National Avenue Water Treatment Redesign, I designed treatment train layout of a UV disinfection system and associated piping for a 0.86 MGD water treatment plant. I created piping and instrumentation diagrams for the UV and chemical systems.

For the TMWRF Dewatering Project, I created a maintenance of plant operations and construction sequencing plan for a dewatering facility. I performed quality control on 30% planset submittal.

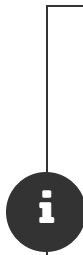
For the Gold Country PER, I performed site visits and inspections on a drinking water distribution system for 500 residents. I formulated alternatives to solve pressure, water quality, and operations problems and drafted a PER to acquire funding. I developed cost takeoffs for each alternative.

HIMANSHU KHANDELWAL (23-014-58)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
05/02/2026

Citizenship
India

SUMMARY



Engineering Experience
after EAC degree

Total Engineering
Experience
3 years, 10 months

Experience under licensed
engineer
3 years, 7 months

Disciplinary Action
None reported



EDUCATION



Bachelors in Civil Engineering
Indian Institute of Technology - Palakkad
August 2017–July 2021

Masters in Civil Engineering
Purdue University, West Lafayette
August 2021–August 2023



EXAMS



Fundamentals of Engineering (FE)
Indiana PE
November 2022

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

LICENSES



Additional Licenses
None

WORK EXPERIENCE

Indian Institute of Technology, Palakkad
Kerala (India)
Project Attendant
May 2021 – August 2021

Verified by
ANIL KUMAR M.V.
anil@iitpkd.ac.in

Experience Summary
Full-Time
Engineering: 3 months
Experience under licensed engineer:
None



TASKS

I worked as a Project Attendant after completing my bachelor's degree at the Indian Institute of Technology, Palakkad, where I performed numerical analyses of cold-formed steel compression members. I developed and validated finite element models in Abaqus and performed nonlinear analyses of cold-formed steel compression members.

I conducted parametric studies to investigate various failure modes, including local and distortional buckling, and their interaction with global buckling. I compared analysis results with existing design equations and observed differences in predicted strength. I also developed a procedure to account for strength reduction in the design equations, improving the accuracy of existing design methods.



REPRESENTATIVE PROJECTS

Project Name: Design of Cold-Formed Steel (CFS) compression members undergoing a shift in effective centroid.

Project Location: Palakkad, Kerala (India)

Project Dates: May 2021 – August 2021

The project scope included numerical and experimental investigations of local and distortional buckling behaviors, including their interaction with global buckling, for lipped channel CFS compression members.

I developed Finite Element Analysis (FEA) models for lipped channel sections using Abaqus and validated these models with existing data for both fixed-end and pinned-end boundary conditions. I conducted a comprehensive parametric study by varying material properties, cross-section geometry, length, and end boundary conditions. I chose geometric and material properties to ensure that failure occurred in individual buckling modes (local and distortional). Then, I modified these parameters to allow multiple buckling modes and evaluated the interaction between local, distortional, and global buckling modes through nonlinear FEA.

Through these analyses, I found that CFS compression members with pinned-end boundary conditions have lower ultimate strength compared to fixed-end boundary conditions for the same effective length, due to a shift in the effective centroid of the cross-section. I also found that the ultimate strength of CFS compression members failing due to only local buckling is a function of the web height-to-flange width ratio (h/b) along with the local buckling slenderness ratio (λ_l).

I compared the FEA results with existing design equations and found that the strength reduction due to a centroid shift isn't well represented in current design methods. Based on these findings, I developed a modified procedure to incorporate this strength reduction into the Direct Strength Method (DSM) for CFS compression members.

HIMANSHU KHANDELWAL (23-014-58)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Lyles School of Civil and Construction
Engineering, Purdue University
Indiana (United States)
Research Assistant
September 2021 – July 2023

Verified by
Robert Connor
rjcassociates@comcast.net

Experience Summary
Part-Time
Engineering: 11 months (50%)
Experience under licensed engineer:
11 months



TASKS

I worked as a Research Assistant at the Bowen Laboratory at Purdue University, where I conducted experimental and analytical research on the effects of defects in Complete Joint Penetration (CJP) welded connections. Initially, my tasks included attending specialized coursework related to fracture mechanics and performing comprehensive literature reviews to develop a strong understanding of fracture behavior. Over time, I progressed to developing an experimental program, which involved defining test variables, preparing a test matrix, and coordinating the ordering and fabrication of testing specimens. I performed experimental testing on welded specimens, conducted complex nonlinear finite element analysis using Abaqus, reviewed engineering specifications, and developed a new simplified lower-bound approach to simulate weld fracture behavior in CJP welds.



REPRESENTATIVE PROJECTS

Project Name: Fracture and loss in ductility due to presence of defects in CJP welds.
Project Location: West Lafayette, Indiana (USA)
Project Dates: September 2021 – July 2023

This research project investigated the effects of weld defects on the ultimate strength and ductility of the Complete Joint Penetration (CJP) welded connection through both experimental and analytical studies.

I conducted a comprehensive literature review to analyze and evaluate existing research and identify gaps related to studies on the effects of defects on CJP welded connections. I performed experimental testing on twelve specimens subjected to monotonic tensile loading, including one specimen of base metal only, three welded specimens without any fabricated defects, and eight welded specimens with fabricated defects of different sizes in CJP welds. I developed and calibrated finite element models using experimental results to accurately simulate the behavior of CJP welded connections with defects. I also reviewed the assessment criteria in current specifications, including AWS D1.1 and BS 7910.

Based on the validated models, I proposed a simplified lower-bound approach based on failure strain using ductile damage criteria to simulate weld fracture in CJP welds. Additionally, I performed a parametric study to evaluate the effects of defect length, defect depth, and failure criteria on the strength and ductility of welded connections.

HIMANSHU KHANDELWAL (23-014-58)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Modjeski and Masters
Pennsylvania (United States)
Engineer II
August 2023 – April 2026

Verified by
Daniel McCaffrey
demccaffrey@modjeski.com

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

TASKS

Position: Engineer I, Engineer-in-Training
Dates: August 2023 – December 2024

I worked at Modjeski and Masters as a Structural Engineer, engaging in a diverse range of structural engineering projects, including new designs, retrofits and rehabilitations, research, and load rating evaluations. My initial responsibilities included reviewing structural design calculations, performing load ratings using AASHTOWare BrR software and Excel spreadsheets, and providing technical information to CAD technicians to support the development of detailed drawings. I also performed two-dimensional structural analysis using finite element analysis software for moderately complex structures, designed steel arch ribs and tie girders, and conducted fatigue evaluations in accordance with AASHTO LRFD specifications.

Position: Engineer II, Engineer-in-Training
Dates: January 2025 - Present

As I gained experience, I progressed to take on more specialized responsibilities involving complex design calculations, detailing, structural analysis, and bridge inspection work. I calculated and checked quantity take-offs from plans to support accurate material estimation and contributed to the preparation of project reports. I was involved in the design and rehabilitation of complex bridge components, including post-tensioned concrete arches, substructure, and foundation elements. I performed detailed structural analysis of complex bridge structures utilizing scripting for automation, conducted vessel collision analysis, and reviewed three-dimensional finite element analysis models used to evaluate seismic effects, creep and shrinkage loads.

REPRESENTATIVE PROJECTS

Project pursuit of Knoxville Pedestrian Bridge. Knoxville, TN (Aug./2023 – Nov./2023)

M&M proposed a network tied-arch bridge with a main span of 700 ft. I modified existing design spreadsheets to design a varying depth closed-box steel arch rib sections and suspenders. I also developed an Excel tool to design edge girders.

MoDOT load ratings for Stadium Drive East over I-70 and Cliff Drive over US-65. Kansas City and Branson, MO (Dec./2023 – Mar./2024)

The scope includes load ratings of two skewed multi-girder steel bridges with inclined column legs. I developed 2D line girder analysis model in Lusas and analyzed both bridges for dead and live loads. I calculated load ratings for inclined steel column legs and developed AASHTOWare BrR models for load rating of girders.

MDOT load ratings for multiple bridges. Statewide, MI (Apr./2024 – May/2024)

This project involves updating existing AASHTOWare BrR models to reflect changes in plans and structural conditions and to provide load ratings. I updated and rated 18 bridges in AASHTOWare BrR, including steel I-girders, box beams, and prestressed concrete girders. I performed calculations to rate pin and hanger assemblies. Additionally, I generated bridge analysis assumptions and summary forms, which were submitted to MDOT.

Blatnik Bridge preliminary design peer review. Duluth, MN (Jun./2024 – Jul./2024)

I designed tie girders for a steel network tied-arch option, which includes two different cross-section shapes: 1) box-shaped and 2) open shape. I also developed fatigue check calculations and designed the tie girders for internal redundancy in accordance with IRM Guide specifications.

Preliminary design of Rainbow Bridge replacement. Smith's Ferry, ID (Aug./2024 – Jan./2025)

The scope of services includes the preliminary design of multiple bridge options for SH-55 over the North Fork of the Payette River. I worked on two post-tensioned concrete arches and one steel girder bridge alternative. I developed 2D Lusas models

using VBA scripting to analyze concrete arches under dead, live, braking, and temperature loads, and performed post-processing of finite element analysis results. I designed post-tensioned concrete arches and a triple I-section straddle bent cap using Excel, as well as steel stringers/girders with Simon. I also wrote the general background and structural design sections for all bridge alternatives in the TS&L report submitted to ITD.

Design-build pursuit of Basiliere Bridge replacement. Haverhill, MA (Jan./2025 – May/2025)

M&M proposed a concrete open-spandrel arch bridge with four arch spans over the Merrimack River. I built a 2D finite element analysis model in Lusas, including foundation elements, to evaluate the structure under dead, live, and temperature loads, and post-processed the results to create multiple load combinations. I provided demands for the design of precast concrete arches and foundations. I checked a detailed 3D finite element model used for seismic and wind load analysis, along with post-processing of the results. I performed vessel collision analysis utilizing the 3D finite element model. Additionally, I checked design calculations for concrete stringers, piles, and shafts.

Ambassador Bridge main span rating and repair. Detroit, MI (Feb./2025 – Mar./2026)

The project scope includes load rating of the 1849.5 ft long suspended main span, review of inspection books, and development of repair details. I built an AASHTOWare BrR model for the load rating of floorsystem and validated the results with existing analysis data. I rated the suspended span floorsystem for 38 live loads in both as-built and as-inspected conditions by inputting section loss data into the model. I developed repair calculations and drawing details for existing members, including stiffening truss top chord, stiffeners and anchor bolts at the tower base, lacing bars, batten plates, and floorbeam brackets. I also developed calculations and details for jacking all stringers at individual floorbeams to replace stringer bearings.

Final design for I-10 Calcasieu Bridge replacement. Lake Charles, LA (Jun./2025 – Present)

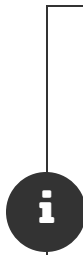
This project involves designing a 626 ft long spliced, post-tensioned girder main span bridge with twin-wall piers. I checked the design of twin-wall piers, pier caps, and pier columns under P-M interaction. I checked FB-MultiPier models used to analyze substructure (columns and pier caps) and foundations (piles and shafts) under dead, live, wind, water, temperature, and vessel collision loads. I reviewed creep and shrinkage load calculations. I also checked the detailed drawings, including general layout, reinforcement detailing, and quantities.

CHRISTOPHER KOTAS (22-498-32)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Comity - PE

Application Date
04/02/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree

Total Engineering
Experience
6 years

Experience under licensed
engineer
6 years

Other Experience

Disciplinary Action
None reported



EDUCATION



Bachelors in Engineering Sciences
Illinois Institute of Technology
June 1979–May 1981

Masters in Business Administration
San Diego State University
August 1990–May 1995



NOTE: Was previously licensed in California, however license expired in 2005 and he has no intention on reinstating his California license, that is why he is applying through initial in Nevada.

EXAMS



Principles and Practice of Engineering (PE)
Civil
California
April 1991

Fundamentals of Engineering (FE)
California
April 1983

LICENSES



Initial License
California
Issued: August 1991
Expires: December 2005

Additional Licenses
None

CHRISTOPHER KOTAS (22-498-32)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Naval Facilities Engineering Command
California (United States)
General Engineer
October 1981 – May 2004

Verified by
Christopher Kotas (Self)

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



TASKS

Project Manager on Architect-Engineer and construction contracts. Responsible for contract negotiation, identifying contract goals, milestones, and deliverables; evaluating contractor performance, delivering final contract product for the Navy or Marine Corps installation user. (80%)

Supervisor to over 100 civilian Federal Government employees, responsible for their selection, training, mentoring, and performance evaluation. (20%)



REPRESENTATIVE PROJECTS

Project manager to develop drinking water treatment system at the Marine Corps Logistics Base, Barstow, CA. Developed project specifications and supervised installation of treatment equipment.

Technical Evaluation Board Chairperson to select multi-million dollar architect-engineer and construction contracts.

CHRISTOPHER KOTAS (22-498-32)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Self Employed
California (United States)
Real Estate Broker
June 2004—January 2020

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

CHRISTOPHER KOTAS (22-498-32)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Department of Veterans Affairs
Nevada (United States)
Resident Engineer
February 2020—February 2026

Verified by
Andrea Vera
andrea.vera@va.gov

Experience Summary
Full-Time
Engineering: 6 years
**Experience under licensed engineer:
6 years**

TASKS

I managed and oversaw construction to ensure compliance with design drawings and construction specifications. I reviewed and approved test results on structural steel and concrete. I tested and inspected internal spaces cleared for asbestos abatement. I developed engineering performance specifications and made design changes to adapt to on-site conditions not addressed in project design documents, specifically in regard to unforeseen subsurface conditions underlying damaged concrete foundations. I ensured the project met OSHA standards for construction safety, specifically in regard to excavation and shoring. I validated test results for new concrete and asphalt placement. I reviewed and amended design drawings developed for the projects. I developed and then reviewed the structural engineering evaluation per ASCE standard 41-23 of the existing medical center Boiler Plant Building. I reviewed mechanical and electrical load analyses for the existing medical center campus. I provided oversight of on-site geophysical survey work. I proposed a new vault size and utility connection points based on field requirements. I managed daily construction activities during utility trench excavation and underground storage tank removal. I evaluated numerous geographic sites for suitability as a VA medical center. I calculated, per site, topographic and slope impacts to future construction, utility availability, site grading and demolition requirements, and engineering design and estimation of construction costs. I directed surveyor work to develop boundary lines between potential Federal government acquired land and State of Nevada land. I calculated acreage of various land area parcels as options for Federal government acquisition. I reviewed flood plain and environmental data directly impacting potential Federal government purchased sites.

REPRESENTATIVE PROJECTS

1. Relocate and Expand Prosthetics Department, VA Medical Center, San Diego, CA (2020 through 2022). I managed and oversaw construction to ensure compliance with design drawings and construction specifications. I reviewed and approved test results on structural steel and concrete. I tested and inspected internal spaces cleared for asbestos abatement.
2. PET CT Scanner Room Improvements, VA Medical Center, San Diego, CA (2022). I managed and oversaw construction to ensure compliance with design drawings and construction specifications. I tested and inspected internal spaces cleared for asbestos abatement.
3. Las Vegas VA Medical Center Central Utility Plant Boiler Drain Line Replacement Project, Las Vegas, NV (2024). I managed and oversaw construction to ensure compliance with design drawings and construction specifications. I developed engineering performance specifications and made design changes to adapt to on-site conditions not addressed in project design documents, specifically in regard to unforeseen subsurface conditions underlying damaged concrete foundations. I ensured the project met OSHA standards for construction safety, specifically in regard to excavation and shoring. I validated test results for new concrete and asphalt placement.
4. Replace Seismically Deficient Boiler Plant, Building 8, Sierra Nevada Health Care System, Reno, NV. (2022 through 2026) I wrote and prepared the engineering performance design specifications for project. I reviewed and amended design drawings developed for the project. I developed and then reviewed the structural engineering evaluation per ASCE standard 41-23 of the existing medical center Boiler Plant Building. I reviewed mechanical and electrical load analyses for the existing medical center campus. I provided oversight of on-site geophysical survey work.
5. Kirman Avenue Utilities Tunnel, Sierra Nevada Health Care System, Reno, NV. (2025 to 2026) I Reviewed design drawings and engineering specifications for the project. I proposed a new vault size and utility connection points based on field requirements. I managed daily construction activities during utility trench excavation and underground storage tank removal.
6. In support of Public Law No. 118-124 (11/25/2024) which includes the language "Initiation of replacement of the medical center of the Sierra Nevada Health Care System of the Department of Veterans Affairs, including land acquisition and preliminary site work, in Reno, Nevada". (2023 to 2026) I served as a member of the Market Survey Team and I evaluated numerous geographic sites for suitability as a VA medical center. I calculated, per site, topographic and slope impacts to future construction, utility availability, site grading and demolition requirements, and engineering design and estimation of construction costs. I directed surveyor work to develop boundary lines between potential Federal government acquired land and State of Nevada land. I calculated acreage of various land area parcels as options for Federal government acquisition. I reviewed flood plain and environmental data directly impacting potential Federal government purchased sites.

CHRISTOPHER KOTAS (22-498-32)

All work experience reviewed by two licensed professionals

ADDITIONAL INFORMATION



TIME GAPS

Start Date	End Date	Explanation
June 1976	May 1979	I was enrolled as a student in my undergraduate university (Illinois Institute of Technology) during this time period.

CHAD LARK (21-414-17)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
04/20/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree
4 years, 2 months

Total Engineering
Experience
4 years, 2 months

Experience under licensed
engineer
4 years, 2 months

Other Experience

Disciplinary Action
None reported



EDUCATION



Associates in Science
College of Southern Nevada
January 2016–May 2018

Non-degree
University of Nevada, Las Vegas (Nevada, United States)
September 2017–August 2018

Bachelors in Civil Engineering (EAC)
University of North Dakota
August 2018–May 2021



EXAMS



Fundamentals of Engineering (FE)
Nevada
January 2021

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

LICENSES



Additional Licenses
None

CHAD LARK (21-414-17)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Home Depot
Nevada (United States)
Cashier
June 2002—September 2004

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

CHAD LARK (21-414-17)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Star Trek The Experience
Nevada (United States)
Cashier

September 2004 – September 2006

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

CHAD LARK (21-414-17)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

3DInteractive
Alberta (Canada)
Lead artist
September 2006—July 2010

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

CHAD LARK (21-414-17)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

*Preventive Pest Control
Nevada (United States)
Technician*
July 2010—July 2013

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

CHAD LARK (21-414-17)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

MODA Light
Nevada (United States)
Lead Marketing
July 2013—December 2015

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

CHAD LARK (21-414-17)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

*Preventive Pest Control
Nevada (United States)
Technician*
December 2016—October 2017

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

CHAD LARK (21-414-17)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Self Employed - Lyft Driver
Nevada (United States)
Self Employed
October 2017 – March 2021

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

CHAD LARK (21-414-17)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Westwood Professional Services
Nevada (United States)
Engineer intern
March 2021 – December 2021

Verified by
Chad Lark (Self)

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



TASKS

My role at this time was to primarily produce plot plans for single family resident developments, to be used in conjunction with Civil improvement plans. This would be considered a subset of land development as the plot plans required consideration for grading/ada requirement as well as drainage. I also began back checking Civil Improvement plans to ensure accuracy before the plans were submitted to the local agencies.



REPRESENTATIVE PROJECTS

I used AutoCAD to determine correct layout for single family residents ensuring that they fit within the entities setback guidelines and fit within the final map provided by the developer. I would average roughly 10 "plot plans" per day.

For the last two months that I was employed here I began back checking Civil Improvement plans before they were submitted to the local agencies. This required me to become accustomed with the various local agencies guidelines and regulations, and helped to improve my attention to detail and ability to read civil plans.

CHAD LARK (21-414-17)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Thomason Consulting Engineer
Nevada (United States)
Engineer Intern
February 2022—April 2026

Verified by
Joseph Thomason
jthomason@tce-lv.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

The work I've performed while employed at Thomason Consulting Engineers falls primarily under Land Development/Water Resources, as I'm responsible for creating technical drainage studies for single family residential projects, commercial projects, and multi-family / apartment complexes. I have also gained experience with Transportation, as I have created many traffic mitigation studies in parallel with the technical drainage studies for the previously mentioned project types.

REPRESENTATIVE PROJECTS

Land Development (all work was performed in Clark County Nevada)

I calculated the Q10/Q100 flow by determining the upstream basin boundaries and flow conditions that affected our project site, and used these flow rates to determine the minimum finish floor elevation and onsite drainage facilities based upon local entities requirement for all of the following projects. Additional design choices made by myself follow for a selection of the projects I have worked on.

Tropicana Apartments, 7.13 acre apartment complex
04-2022

I calculated the required drop-inlet sizing and storm drain size/alignment to collect and drain the onsite flows to the existing storm drain system running along the sites frontage.

Boulder Apartments, 9.2 acre apartment complex
05-2022

I designed the drainage channel that fronts the project to safely redirect the flows from the natural wash that historically discharged through our site.

Jeffreys Apartments, 6.98 acre apartment complex
09-2022

I designed the onsite storm drain system that collected onsite flows and directed them to an adjacent regional flood control facility; designs included drop inlet sizing, storm drain sizing and alignment.

LVB & Chartan, 11.85 acre apartment complex
01-2023

I designed the onsite storm drain system that collected onsite flows and directed them to an adjacent regional flood control facility; designs included drop inlet sizing, storm drain sizing and alignment. I was also tasked with confirming the WSE for the regional facility that ran adjacent to our project site.

Inspirada, 11.89 acre apartment complex
04-2023

I designed the onsite storm drain system that collected onsite flows and directed them to an adjacent regional flood control facility; designs included drop inlet sizing, storm drain sizing and alignment. I designed the earthen swale system that collected and directed upstream flows to the storm drain system I had designed for this project.

Via Centro, 10.82 acre apartment complex
07-2023

I designed the onsite storm drain system that collected onsite flows and directed them to an adjacent regional flood control facility. I also designed an adjacent storm drain systems to branch off from the existing facility as it was undersized. Designs for these

systems included drop inlet sizing, storm drain sizing and alignment and flow split calculations.

Blue Diamond & Rainbow, 19.76 acre Multi-Family Mixed Use complex

11-2023

I designed the onsite storm drain system that collected onsite flows and directed them to an adjacent regional flood control facility. In addition I designed 16'x6 RCB storm drain facility to direct the flows from a regional flood control facility beneath our site. I also designed the transition structure for the storm drain system as it had to reduce in height to a connect to 4 existing 3'x8' RCB's that passed beneath an existing right-of-way.

Barbara Apartments, 18.58 acre Multi-Family Complex

08-2024

I designed the onsite storm drain system that collected the historic flows that drained through our site and connected this storm drain system to an existing storm drain system immediately downstream from our project site; design included drop inlet sizing, storm drain sizing and connection for multiple alignments collecting into one large system.

Warm Springs Multi-Family, 14.20 acre Multi-Family Complex

02-2025

I designed the storage facility and storm drain system to collect the flows generated by a regional flood control facility and directed them through our site allowing for a portion of the flows to be diverted to an adjacent facility while the remaining flows discharged downstream from our site at their historic location. Calculations included determining storage capacity to collect the flows, as well as inlet sizing, storm drain sizing and alignment and flow split calculations.

Volunteer Apt, 6.30 acre Apartment Complex

09-2025

I evaluated the adjacent FEMA flood control channel generating an effective and corrected effective HEC-RAS model. I calculated the expected right in WSE based upon our projects encroachment into the flood zone using HEC-RAS. I also calculated the expected scour depths as the flows traveled along our proposed boundary flood wall.

SATISH MANANDHAR (25-453-27)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
04/17/2026

Citizenship
Nepal

SUMMARY



Engineering Experience
after EAC degree

Total Engineering
Experience
4 years, 11 months

Experience under licensed
engineer
2 years, 11 months

Disciplinary Action
None reported



EDUCATION



Meets NCEES Engineering Education Standard

Bachelors in Civil Engineering
Tribhuvan University
November 2008–December 2012

Masters in Civil and Environmental Engineering
Korea Advanced Institute of Science & Technology - KAIST
September 2013–August 2015

Doctorate in Civil and Environmental Engineering
Korea Advanced Institute of Science & Technology - KAIST
February 2019–February 2023



EXAMS



Fundamentals of Engineering (FE)
Nevada
March 2025

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

LICENSES



Additional Licenses
None

SATISH MANANDHAR (25-453-27)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

*Korea Advanced Institute of Science
and Technology
Daejeon (South Korea)
Contract Researcher
September 2015—October 2016*

Verified by
Satish Manandhar (Self)

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



TASKS

Geotechnical Engineering

I performed tasks related to experimental model testing of instrumented pile foundations under earthquake loading, soil-pile interaction analysis, and the development of lateral load-displacement relationship for pile foundations under dynamic conditions. I was responsible for design, preparation, and execution of experiments along with the analysis and reporting of test results.

Engineering work = 100%



REPRESENTATIVE PROJECTS

Evaluation of Dynamic Response of Pile Foundation for Different Pile-Cap Embedment Conditions, Experimental

09/01/2015 – 10/31/2016

I designed an experimental program utilizing a geotechnical centrifuge equipment to investigate reduced-scale instrumented pile foundations subjected to earthquake loading, focusing on different pile-cap embedment conditions. I analyzed data from multiple sensors to determine the fundamental frequency of the soil-pile system and the earthquake-induced loads at the pile cap. Using experimental data, I also evaluated the lateral load-displacement relationship for the pile foundations under dynamic loading conditions and compared them with static relationships based on API (American Petroleum Institute) standards.

SATISH MANANDHAR (25-453-27)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Korea Electric Power Corporation
(KEPCO)
Daejeon (South Korea)
Researcher
November 2016—November 2018

Verified by
moosung ryu
faust001@kepco.co.kr

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



TASKS

Geotechnical Engineering

I performed tasks related to analysis and design of a novel suction bucket foundation for offshore wind turbines, including optimizing the foundation to mitigate the effects of seabed scour and enhance its lateral load capacity. I calculated design loads for offshore wind turbines and conducted research on the global offshore wind market. Additionally, I was responsible for inspecting offshore meteorological mast, reviewing foundation designs for onshore wind turbines, and preparing literature summaries.

Engineering work = 100%



REPRESENTATIVE PROJECTS

Development and Construction of Embedded Suction Bucket Support Structure for Offshore Wind Turbine, Research and Development

11/01/2016 – 10/31/2018

I performed the analysis and design of a novel suction bucket foundation system for offshore wind turbines using the finite-element software ABAQUS. This work included interpreting site investigation data from boring logs and developing a numerical model to perform soil-structure interaction analyses. I also designed a scour protection system that mitigated the effects of seabed erosion and improved the lateral load capacity of the foundation. My work directly contributed to the installation and operation of an offshore wind turbine on tripod suction bucket foundations in the west sea in Korea.

Additionally, I used an engineering software called FAST to perform coupled dynamic analyses of wind turbines and determine the design loads for wind turbine foundations. My other responsibilities also included reviewing wind turbine foundation design drawings and preparing reports on the current state of the global offshore wind energy market.

SATISH MANANDHAR (25-453-27)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

University of Nevada Reno
Nevada (United States)
Postdoctoral Scholar
May 2023—May 2025

Verified by
Ramin Motamed
motamed@unr.edu

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



TASKS

Geotechnical Engineering: As a postdoctoral scholar, I was responsible for planning and design of experimental testing program, construction of a large-scale soil specimen, placing sensors to record responses, and testing the specimen on a shake table using various earthquake records. I also performed numerical simulations of nonlinear soil response using the finite element program, LS-DYNA, to complement the experimental work. I supervised graduate/undergraduate students and collaborated with engineering technicians and faculty members to successfully complete these tasks.



REPRESENTATIVE PROJECTS

Experimental Evaluation of Bi-Directional Shaking Effects on Nonlinear Site Response,

05/01/2023 – 04/30/2025

I was responsible for planning, design, construction, instrumentation, and testing of a large-scale soil specimen built inside a soil box and subjected to shaking on a biaxial shake table. Over 100 earthquake shakings were conducted to evaluate soil response under uni-directional and bi-directional shaking. My responsibilities included soil compaction, quality control assessments of soil density during specimen preparation, and detailed data analysis of recordings from various sensors. I also performed seismic hazard assessment to select representative earthquake records which are compatible with the seismic hazard at Department of Energy facilities. To complement the experimental work, I conducted numerical simulations of nonlinear site response using the finite element software, LS-DYNA. I collaborated with engineering technicians, faculty members, and graduate/undergraduate students during this project.

SATISH MANANDHAR (25-453-27)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

University of South Carolina
South Carolina (United States)
Postdoctoral Associate
May 2025—April 2026

Verified by
Inthuorn Sasanakul
sasanaku@cec.sc.edu

Experience Summary
Full-Time
Engineering: 11 months
Experience under licensed engineer:
11 months

TASKS

Geotechnical Engineering

As a Postdoctoral Associate, I am responsible for evaluation, update, and rewrite of the seismic design manual for the South Carolina Department of Transportation (SCDOT). My duties include conducting comprehensive literature reviews of seismic design provisions from AASHTO, state DOTs (e.g. Caltrans), and other relevant technical sources. In coordination with the research team, I develop and draft chapters and accompanying commentary for the seismic design manual for highway bridge structures, incorporating findings from risk assessment, current engineering practices and expert feedback.

I perform detailed analyses of site investigation data to develop representative soil profiles for seismic ground response analyses at bridge sites. Additionally, I use Bayesian methods to quantify uncertainties in soil parameters and evaluate their influence on the seismic performance and risk of typical bridge structures in South Carolina.

I also supervise graduate students and collaborate closely with faculty members to ensure the timely and successful completion of project objectives.

Engineering work = 100%

REPRESENTATIVE PROJECTS

SPR 766: Evaluate, Update, and Rewrite SCDOT Seismic Design Policy and Procedures

05/01/2025 – present

I have contributed to a geotechnical engineering project focused on the seismic design and analysis of transportation infrastructure in South Carolina in support of the South Carolina Department of Transportation (SCDOT). This project involves evaluating, updating, and rewriting the seismic design manual for highway bridges and other related structures.

My primary responsibilities include conducting comprehensive literature reviews of seismic design provisions from AASHTO, state DOTs (e.g., Caltrans, Washington DOT), and relevant technical literature to identify gaps and areas of improvement in current practice. Based on these findings, I coordinate with a multidisciplinary research team to develop and revise chapters of the SCDOT seismic design manual. I am responsible for drafting technical content and commentary, incorporating recommendations from risk assessment studies, expert feedback, and design memos, while ensuring consistency with national standards and regional seismic conditions.

I perform detailed analysis of site investigation data, including field penetration test results, to develop representative soil profiles for use in seismic ground response analyses at bridge sites. This includes evaluating soil stratigraphy, selecting appropriate material properties, and determining suitable modeling approaches for ground response analysis. My role has progressed from data interpretation to making independent engineering judgments regarding parameter selection and modeling assumptions.

In addition, I apply probabilistic methods to address uncertainty in soil properties. Specifically, I use Bayesian techniques to quantify variability in key geotechnical parameters, such as internal friction angle and stiffness, and assess their influence on the seismic response of typical bridge structures. I evaluate the impact of these uncertainties on design-relevant outputs, such as spectral accelerations and structural displacements, to support risk-informed design considerations.

My experience has expanded to include greater responsibility in technical decision-making and project coordination. I supervise graduate students performing numerical analyses, review their work for technical accuracy, and provide guidance on appropriate

engineering methodologies. I also coordinate with faculty members and project stakeholders to ensure that technical recommendations are consistent with project objectives and practical design considerations.

Through this work, I have contributed to the development of updated seismic design manual that reflects current engineering practice, national standards, and improved understanding of seismic risk in South Carolina.

SATISH MANANDHAR (25-453-27)

All work experience reviewed by two licensed professionals

ADDITIONAL INFORMATION



TIME GAPS

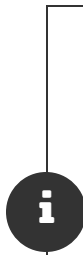
Start Date	End Date	Explanation
January 2013	August 2013	Job search and preparation for graduate studies

MOHAMED MANSOUR (25-022-07)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
04/09/2026

Citizenship
Canada

SUMMARY



Engineering Experience
after EAC degree

Total Engineering
Experience
7 years, 9 months

Experience under licensed
engineer
5 years, 2 months

Other Experience
5 years, 1 month

Disciplinary Action
None reported



EDUCATION



Meets NCEES Engineering Education Standard

Bachelors in Civil Engineering
Cairo University
September 2006–May 2011

Masters in Civil Engineering - Public Works
Cairo University
September 2011–November 2014

Doctorate in Civil & Environmental Engineering
University of Western Ontario
September 2014–October 2019



EXAMS



Fundamentals of Engineering (FE)
Texas
August 2025

Principles and Practice of Engineering (PE)
Civil
Texas
November 2025

LICENSES



Additional Licenses
None

MOHAMED MANSOUR (25-022-07)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

*Soil Mechanics and Foundations
Research Laboratory, Cairo University
Al Jizah (Egypt)
Junior Geotechnical Engineer
March 2013—September 2014*

Verified by
Elhashemi Ali
elhashemi@eng.cu.edu.eg

Experience Summary
**Full-Time
Engineering: 1 year, 6 months
Experience under licensed engineer:
None**



TASKS

As a Junior Geotechnical Engineer at the Soil Mechanics and Foundations Research Laboratory, Faculty of Engineering, Cairo University, I completed the following tasks and duties:

- I analyzed and interpreted several field investigation data including test pitting, borehole drilling, Standard Penetration Testing (SPT), and Cone Penetration Testing (CPT).
- I conducted and analyzed different laboratory tests on soil samples including sieve analysis, Atterberg Limits, permeability, compaction, consolidation, direct shear, static and cyclic tri-axial.
- I determined and provided recommendations for different soil parameters based on field and laboratory testing results interpretation.
- I designed different foundation systems and earth retaining structures.
- I performed slope stability analysis and designed catchment areas for rockfall control.
- I provided geotechnical recommendations and prepared geotechnical reports.
- I provided technical guidance to laboratory technicians and ensured laboratory testing was performed in accordance with applicable ASTM standards.



REPRESENTATIVE PROJECTS

1- New Giza Residential Development, Giza, Egypt (2013 – 2014).

New Giza is one of Egypt's largest integrated upscale developments, spanning approximately 1,500 acres in 6th of October City, Giza, Egypt. In this project, I interpreted subsurface investigation data including borehole logs, Standard Penetration Testing (SPT) and Cone Penetration Testing (CPT) results to develop geotechnical profiles and cross-sections which formed the basis for all subsequent designs and stability evaluations.

I analyzed laboratory testing results, including grain size distribution, moisture content, Atterberg limits, unit weight, permeability, consolidation and shear strength to develop engineering design parameters.

I performed slope stability analysis and designed catchment areas for rockfall control to ensure public safety. Additionally, I designed shallow foundations for multiple structures by determining ultimate and allowable bearing capacities and estimating both immediate and long-term consolidation settlement to ensure compliance with project specifications and Egyptian Code requirements.

2- Grain Silos, Egypt (2013–2014)

As part of Egypt's national grain storage expansion program to enhance food security and modernize agricultural infrastructure, multiple silo facilities were constructed across the country. As a geotechnical engineer at the Soil Mechanics and Foundations Research Center, I worked on the design of a grain silo project located within a zone with deep soft clay deposit.

My responsibilities: I interpreted subsurface investigation data, including borehole logs, and Cone Penetration Testing (CPT) results, to develop geotechnical profiles and cross-sections supporting the subsequent foundation design. I evaluated and

analyzed the laboratory testing data, including grain size distribution, moisture content, Atterberg limits, and unit weight, and personally conducted and interpreted advanced laboratory testing, including 1D consolidation and Consolidated Undrained (CU) triaxial tests, to establish design soil parameters.

Additionally, I performed foundation design analyses for the silo structure. Due to the presence of the deep soft clay layer, I initially evaluated a raft foundation system by calculating bearing capacity using established methods (e.g., Meyerhof and Vesic equations) and estimating preliminary dimensions. I then modeled the soil-structure interaction using PLAXIS 3D to simulate silo loads and predict total and differential settlements. The results indicated that settlements exceeded allowable project limits.

To decrease anticipated settlement levels, I evaluated alternative foundation systems, including stone columns and pile foundations. For the stone columns option, I used numerical modeling (PLAXIS 3D) to assess the influence of column geometry and area replacement ratio on settlement improvement. For the pile foundation alternative, I analyzed axial capacity and evaluated the downdrag force due to the soft clay layer by identifying the neutral plane and estimating the negative skin friction along the upper pile shaft (above the neutral plane).

Both stone columns and deep foundation alternatives achieved acceptable performance criteria. I presented the comparative analysis and recommendations to senior engineers and the client to support final foundation selection.

MOHAMED MANSOUR (25-022-07)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Geotechnical Research Center,
University of Western Ontario
Ontario (Canada)
Geotechnical Engineer and PhD
Researcher
September 2014—October 2019

Verified by
M. Hesham El Naggar
naggar@uwo.ca

Experience Summary
Full-Time
Other: 5 years, 1 month
Experience under licensed surveyor:
None

TASKS

As a Geotechnical Engineer and PhD researcher at the Geotechnical Research Center, Western University, London, Ontario, Canada, I completed the following tasks and duties during my PhD work under direct supervision of a licensed Professional Engineer (P.Eng.) in Canada:

- I conducted a literature review of pile foundation systems (helical piles, micropiles, drilled shafts, driven piles, grouted helical piles ... etc.), evaluating installation techniques, load transfer mechanisms, advantages, limitations, and design methodologies.
- I assisted in planning a field investigation program including borehole drilling, SPT, and CPT, and interpreted subsurface data.
- I designed helical piles as reaction systems for compression pile load tests of multiple single micropiles and micropiles groups.
- I developed a novel technique for grouted helical piles installation involving grout injection under high pressure during helical pile installation. I named these piles as Pressure Grouted Helical Piles (PGHPs).
- I performed laboratory tests on grout (i.e., flowability, and compressive strength) and soils (gradation, density, triaxial, direct shear, and maximum/minimum voids ratio) as per ASTM standards.
- I directed and supervised installation of instrumented conventional helical piles and PGHPs under different soil and testing conditions.
- I directed and supervised pile load tests of installed piles under axial and lateral loading.
- I analyzed data collected from strain gauges, load cells, and Linear Variable Displacement Transducers during these pile load tests to understand load transfer mechanisms and quantify the capacity improvement of PGHPs over conventional helical piles.
- I compared measured capacities with predictions from existing design guidelines. I found that existing methods did not accurately estimate PGHP capacity.
- I developed 3D finite element models using ABAQUS software to simulate PGHP behavior under different testing conditions.
- I developed design guidelines to enable engineers from estimating PGHP capacity analytically and published these guidelines in peer-reviewed publications.

REPRESENTATIVE PROJECTS

1. Developing Design Guidelines for Pressure Grouted Helical Piles, London, Ontario, Canada (2014–2019)

Pressure grouted helical pile (PGHP) represent an innovative piling system capable of significantly increasing helical pile capacity with minimal additional cost. During my PhD work at the Geotechnical Research Centre, I conducted a comprehensive experimental and numerical study to evaluate PGHP performance under varying soil and loading conditions.

I designed and executed a testing program, involving the installation of 5 conventional (ungROUTED) helical piles and 17 PGHPs in loose, medium, and dense sands. Grouting pressures of 480 kPa and 690 kPa were applied. Each pile was instrumented with strain gauges, linear variable displacement transducers, and load cells to capture detailed load–displacement and strain data. Piles were then subjected to compression, uplift, and lateral loads to assess their performance.

I designed test setups for compression, uplift, and lateral loading, including reaction beam sizing, selection of hydraulic jacks, load cells, and pumps based on anticipated loads and safety factors. I analyzed the Instrumentation data to determine load transfer mechanisms and ultimate pile capacities. Results indicated substantial increases in shaft resistance for PGHPs over conventional helical piles due to the formation of an enlarged grout column, increased interface friction angle, and elevated lateral earth pressures from cavity expansion during installation. End-bearing resistance also increased from soil densification and grout permeation into soil voids. Lateral capacity gains were also observed due to the enlarged shaft diameter and modified soil stress conditions.

I measured PGHP capacities and compared them with predictions from existing design methodologies. Existing design procedures underestimated PGHP capacity because they did not account for its unique installation mechanism. I developed a 3D finite element model using ABAQUS software, calibrated against testing results, and used for parametric studies to evaluate soil and testing variables.

Based on experimental and modeling results, I formulated new design guidelines and equations to capture the effects of PGHP installation on axial and lateral behavior. Key findings, testing methodologies, and design equations are summarized in the following publications:

- Mansour, M. A. (2019). Performance of Pressure Grouted Helical Piles Under Monotonic Axial and Lateral Loading. Electronic Thesis and Dissertation Repository, 6500.
- Mansour, M. A., & El Naggar, M. H. (2022). Optimization of grouting method and axial performance of pressure-grouted helical piles. *Canadian Geotechnical Journal*, 59(5), 702–714. <https://doi.org/10.1139/cgj-2021-0093>

2. Design of Reaction Piles for Compression Load Tests, Ayr, Ontario, Canada (2015 - 2015)

I designed reaction pile systems for compression load testing of 8 single micropiles and 4 micropile groups for HC-Matcon. I assessed subsurface conditions based on one cone penetration test, two standard penetration tests, and laboratory tests on disturbed samples, including sieve analysis, moisture content, and direct shear.

Using interpreted soil strength, I estimated the maximum single micropile capacity at 300 kN and maximum group capacity at 800 kN. Accordingly, I designed a reaction system consisting of 2 helical piles for each single micropile and 4 helical piles for each micropiles group. Each reaction pile was installed to a depth of 6m and designed to support 200 kN uplift capacity with a minimum factor of safety of 2. During testing of the first micropiles group, applied loads exceeded 800 kN without group failure, causing excessive displacement of reaction piles at approximately 1300 kN, indicating that the limited investigation underestimated actual soil strength.

To prevent recurrence, I reassessed reaction piles capacity and considered increasing embedment depth and installation torque; however, structural analysis indicated higher torque would induce excessive shaft torsion and risk failure. To overcome this issue, I implemented a localized ground improvement solution. I directed drilling of four auxiliary holes around the helices, followed by post-installation grout injection using a grout pump and a fixed-head pneumatic packer. The injected grout permeated surrounding voids, forming a grouted sand zone with increased shear strength around helices, enhancing the uplift capacity of reaction piles by up to 75%. This stabilized the reaction system, allowing successful completion of the testing program. This case study is documented in:

- Mansour, M. A., El Naggar, M. H., Harnish, J., & Mara, R. (2016). Grouted helical piles: New approach. Proceedings of the 69th Canadian Geotechnical Conference (GeoVancouver 2016). Canadian Geotechnical Society, Vancouver, BC, Canada.

MOHAMED MANSOUR (25-022-07)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Geotechnical Research Center,
University of Western Ontario
Ontario (Canada)
Geotechnical Engineer / Postdoctoral
Associate
January 2020—January 2022

Verified by
Aly Ahmed
aahme243@uwo.ca

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

TASKS

I served as a Geotechnical Engineer and Postdoctoral Associate at the Geotechnical Research Centre (GRC), Western University, London, Ontario, Canada. At the GRC, I contributed to a research program evaluating the windthrow/pullout susceptibility of trees during tornadoes and extreme wind events, with emphasis on soil – root interaction and uprooting resistance from a geotechnical engineering perspective.

At the GRC, I have completed the following tasks and duties under the direct supervision of a licensed Professional Engineer (P.Eng.) in Ontario, Canada:

- I conducted detailed technical literature reviews on shallow and deep foundations behavior under combined loading conditions (vertical loads, shear forces, and bending moments).
- I performed comprehensive literature reviews on tree species, root systems architecture (i.e., taproot and lateral spread systems), and interaction mechanisms between tree roots and surrounding soil.
- I analyzed and interpreted field and laboratory soil testing data.
- I processed and statistically evaluated data from 1200+ full-scale tree winching tests.
- I developed non-linear 3D finite element models using ABAQUS software to simulate roots - soil interaction and to estimate the uprooting/pullout resistance of trees under different conditions.
- I integrated field winching tests and finite element modelling data to develop a predictive mechanistic windthrow model to quantify the uprooting resistance of trees during tornadoes and extreme wind events from a geotechnical engineering perspective.
- I summarized the methodology, findings, and conclusions in multiple peer-reviewed technical journal publications.

REPRESENTATIVE PROJECTS

1- Developing a mechanistic model to estimate the windthrow susceptibility of trees during Tornadoes and extreme wind events, London, Ontario, Canada (January 2020 to January 2022).

Tornadoes and extreme wind events can have lasting effects on the natural landscape. The resulting damage causes major economic losses for many countries (e.g., Canada and the United States). Failure of trees during extreme wind events is of interest to a broad array of stakeholders, including foresters, meteorologists, homeowners, the insurance industry, and parks and recreation managers.

As part of the Northern Tornadoes Project, which is a collaboration between the University of Western Ontario's Faculty of Engineering and the Meteorological Research Division of Environment and Climate Change Canada, I developed a mechanistic model for assessing the windthrow susceptibility of trees during Tornadoes and extreme wind events from a geotechnical engineering perspective.

I approached the problem from a soil–structure interaction perspective by idealizing the tree root–soil mass as a homogenized composite system enclosed within a cylindrical volume defined by roots spread and embedment depth. The anchorage resistance of the root–soil system was modeled as an equivalent circular shallow foundation subjected to combined loading, i.e., vertical load (FV) due to the above ground and below ground system weight, horizontal force (FH) due to the wind load and bending moment

(FM) due to the wind load and the above ground tree weight at the stem base.

To evaluate the combined loading effect on the uprooting resistance of trees, I implemented a 3D failure envelope in FV–FH–FM space using a rotated parabolic ellipsoid formulation analogous to failure criteria used for suction caissons in offshore geotechnical engineering. Species- and size-dependent correction factors were incorporated to account for root architecture variability and scaling effects. This methodology/approach allowed the prediction of the uprooting/pullout capacity of trees under simultaneous vertical, horizontal, and moment loading.

I calibrated and validated the developed model using the United Kingdom Forest Research Tree Pulling Database with 1239 conifer trees of six common species. I performed statistical analysis/validation to ensure the model reproduced measured failure loads and overturning behavior within acceptable error margins. Validation demonstrated strong agreement between predicted and measured uprooting/pullout resistance across species and soil conditions.

I also used ABAQUS Software to perform a parametric study to evaluate the influence of different soil parameters, such as unit weight, location of groundwater table, friction angle, cohesion, and matric suction (due to the unsaturated nature of the soil around tree roots) on the windthrow resistance of trees.

I then applied the calibrated model to assess windthrow susceptibility during documented tornado events. Tornado intensity was classified using the Fujita scale to estimate wind speed ranges. From these wind speeds, I computed equivalent lateral forces and bending moments acting on representative trees using aerodynamic loading principles. I compared predicted uprooting resistance and windthrow susceptibility of trees with observed spatial damage patterns from post-event field surveys. The results demonstrated a strong correlation between predicted high susceptibility windthrow zones and documented windthrow areas, confirming the predictive capability of the developed mechanistic model.

In the developed model, I have integrated geotechnical bearing capacity theory, combined loading failure envelopes, unsaturated soil mechanics principles, and finite element modeling to evaluate tree stability under extreme wind loading. My work provides a quantitative tool for foresters, meteorologists, insurers, and land management agencies to estimate wind damage risk based on measurable soil and tree parameters.

I summarized the modeling methodology, findings, and conclusions in multiple peer-reviewed technical journal publications.

MOHAMED MANSOUR (25-022-07)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

KGS Group
Ontario (Canada)
Geotechnical Engineer
January 2022—June 2024

Verified by
Shan Gnanasunthar
sgnanasunthar@ksgsgroup.com

Experience Summary
Full-Time
Engineering: 2 years, 5 months
Experience under licensed engineer:
2 years, 5 months

TASKS

I was a licensed geotechnical engineer (P.Eng in Ontario, Canada) at KGS Group specialized in geotechnical design, subsurface exploration, and field and laboratory data interpretation. I completed the following tasks and duties under the supervision of my Manager, Shan Gnanasunthar, who is serving as the geotechnical department head and a licensed professional engineer (P.Eng) in several Canadian provinces:

- I designed several MSE Walls including internal, external, and global stability analyses.
- I designed secant pile shoring systems with single and multi-levels of rock anchors for deep excavation support.
- I performed slope stability analysis and provided slope repair recommendations considering soil nailing, reinforcing pile wall, and rubble fill.
- I carried out numerous dam safety inspections and assessments, including slope stability and seepage analysis.
- I completed scouring protection and riverbank stabilization designs.
- I planned and supervised several site investigation programs, including test hole drilling, concrete and bedrock coring, geophysical survey, GPR scanning, instrumentation installation, monitoring, and data analysis.
- I supervised construction activities and prepared progress reports for a variety of dam-related projects. These construction activities included grout curtain installation, bedrock preparation, earthfill embankment dam construction, cofferdam installation and removal, subgrade inspection and preparation.
- I assessed pavement and infrastructure conditions under heavy loading.
- I assisted in project management and preparation of technical specifications.
- I prepared several proposals and technical reports.

REPRESENTATIVE PROJECTS

1- Matabitchuan Generating Station Redevelopment

Ontario Power Generation initiated the redevelopment of Matabitchuan Generating Station near Cobalt, Ontario, to replace the original powerhouse commissioned in 1910, address long-term performance issues, and accommodate increased turbine and generator capacities. KGS Group was retained to perform geotechnical investigations, complete detailed designs, and provide construction supervision.

My responsibilities: During the geotechnical investigation phase, I interpreted subsurface field data from soil borings, seismic cone penetration tests (CPT), pore pressure dissipation tests, and field vane shear tests to characterize subsurface stratigraphy and soil behavior. I analyzed laboratory test results, including grain size distribution, moisture content, Atterberg limits, unit weight, permeability, CU triaxial testing, and 1D consolidation testing to develop engineering design parameters. I evaluated groundwater conditions using vibrating-wire and standpipe piezometer data and prepared geotechnical data and design reports summarizing investigation results, recommended soil and bedrock design parameters, and constructability considerations for the new powerhouse.

During the detailed design phase, I designed soldier pile wall systems with zero, one, and two levels of rock anchors using DeepEX software. I evaluated alternative foundation systems, including raft foundations, pile foundations, and geopier ground-improvement systems, and estimated anticipated foundation movements and construction costs. Based on performance and cost considerations, the geopier system was selected. I also reviewed detailed geopier designs prepared by specialty subcontractors.

2- Parkview Hill Slope Stabilization

Following a major slope failure affecting residential properties in Toronto, Ontario, KGS Group was engaged by the Toronto and Region Conservation Authority (TRCA) to assess and design slope remediation measures. The slope was approximately 20 m (66

feet) high with an overall inclination of about 45 degrees.

My responsibilities: I conducted site inspections to evaluate existing conditions and access constraints, interpreted borehole logs, CPT data, and groundwater information, and performed slope stability analyses using Slope/W software. I developed and evaluated multiple conceptual stabilization alternatives, including drainage improvements, mechanically stabilized earth (MSE) walls, soil nail walls, reinforcing pile walls, and slope regrading. I performed comparative evaluations and identified a preferred solution consisting of a soil nail wall at the lower slope and an MSE wall at the upper portion to minimize loss of table land. I then completed the detailed design of the selected stabilization system.

3- Crawley Park Riverbank Stabilization and Erosion Protection

KGS Group was retained by TRCA to address riverbank erosion along Spring Creek in Brampton, Ontario, where increased flows and erosion rates threatened a 1.06 m diameter sanitary sewer pipe. The project involved geomorphic, geotechnical, and hydraulic investigations at five locations along the creek.

My responsibilities: I conducted site inspections to assess erosion severity and construction constraints, planned and supervised subsurface investigations, and evaluated slope stability using Slope/W software. I determined the Long-Term Stable Slope Crest (LTSSC) to assess erosion risk and vulnerability of the sanitary sewer pipe at each of the 5 locations. I completed the detailed design of riprap-based stabilization measures, considering hydraulic conditions associated with the 10-year storm event, and prepared technical construction specifications.

4- Wildwood Dam Safety Review

KGS Group was retained by the Upper Thames River Conservation Authority to complete a Dam Safety Review for the Wildwood Dam on Trout Creek in St. Marys, Ontario, in accordance with Ontario dam safety guidance, LRIA technical bulletins, and Canadian Dam Association guidelines.

My responsibilities: I performed detailed site inspections of geotechnical dam components (i.e., earthfill embankments and foundation areas). I completed the Dam Safety General Inspection checklist, documenting conditions of the dam crest, upstream and downstream slopes, with attention to signs of distress, erosion, leakage/seepage, and deformation.

I also evaluated embankment shear strength using soil borings and laboratory data, and assessed interface shear strength between the concrete spillway and bedrock foundation using coring data. I conducted slope stability using SLOPE/W software under normal operating, extreme seismic, rapid drawdown, and inflow design flood conditions. I assessed filter compatibility, embankment erodibility, potential settlement, and liquefaction susceptibility under seismic loading.

MOHAMED MANSOUR (25-022-07)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Aperture Consultants Bryant Inc.
(Bryant Consultants)
Texas (United States)
Geotechnical Project Engineer
June 2024—April 2026

Verified by
Yasser Abdelhamid
yabdelhamid@geoneering.com

Experience Summary
Full-Time
Engineering: 1 year, 10 months
Experience under licensed engineer:
1 year, 10 months



TASKS

I am a geotechnical project engineer at Aperture Consultants Bryant Inc. (Bryant Consultants). Bryant Consultants specializes in geotechnical forensic engineering and provides expert witness testimonies for legal, insurance, residential, and commercial clients. In Bryant Consultants, I have completed the following tasks and duties under the direct supervision of licensed Professional Engineers.

- I planned and supervised several subsurface investigation programs, including borehole drilling, concrete coring, groundwater monitoring, LIDAR surveying, geophysical surveying (e.g., electrical resistivity profiling and GPR scanning) and soil sampling. I am also responsible for assigning and revision of laboratory testing programs in accordance with project requirements.
- I processed and interpreted the field investigation data and laboratory testing results to support subsurface condition assessment and determine required soil properties.
- I performed and supervised site inspections involving photographic documentation, relative elevation surveys, and distress and/or cracks monitoring of several foundations, structures, and retaining walls.
- I evaluated the design and geotechnical performance of deep foundations, shallow foundations, and geopiers, and calculated potential vertical movements to assess structural distress using geotechnical principles, finite element modeling, and engineering judgment.
- I performed slope stability analysis and evaluated global, external, and internal stability of several gravity and MSE retaining walls, applying appropriate geotechnical principles, finite element modeling, and engineering judgment.
- I conducted historical research, and reviewed project documentation for inclusion in forensic engineering reports.
- I am responsible for project management activities, including client coordination, task delegation, field scheduling, and invoice review to support timely and cost-effective project delivery.
- I prepared several technical and expert reports.



REPRESENTATIVE PROJECTS

1- Nucor Storm Dome, Convent, Louisiana (2025 - February 2026)

I served as the geotechnical engineer for a forensic investigation following a bearing capacity failure and a structure collapse of an iron ore storage dome facility after 135,000 metric tons of iron ore (64% of design capacity) were placed. The objective was to determine the root cause and sequence of geotechnical and structural failures.

I reviewed original geotechnical reports, foundation and structural design calculations, drawings, and construction records to evaluate design assumptions and loading conditions. I analyzed post-failure subsurface data, including borehole logs, laboratory testing, and cone penetration tests, and compared interpreted soil parameters with those used in design. Through this evaluation, I identified significant spatial variability in subsurface soil conditions and determined that the undrained shear strength of foundation soils had been overestimated.

I developed a 3D finite element model using PLAXIS 3D to evaluate bearing capacity, settlement, and lateral stresses induced by the stored iron ore. The analyses demonstrated bearing capacity failure, excessive total and differential settlements, and increase in lateral stresses exceeding dome structural capacity. I coordinated the findings with structural engineers for their structural

failure evaluation and documented them in an expert report.

2- Oyster Creek Bulkhead, Oyster Creek, Texas (2024 - 2025)

I performed a causal analysis of a shoreline bulkhead bulging and lateral movement shortly after construction. The bulkhead was installed to stabilize a creek bank, control erosion, and support development of surrounding areas.

I reviewed design plans, calculations, construction records, regional geology, and soil survey data. I planned and supervised a site investigation program consisting of borehole drilling, undisturbed soil sampling, electrical resistivity profiling, and a LiDAR elevation survey to characterize the topographic and subsurface conditions at the site. I developed and assigned a laboratory testing program to determine engineering properties of retained soils.

I analyzed field and laboratory data to determine the engineering properties of soils behind the bulkhead. Using interpreted parameters, I developed a 2D finite element model in PLAXIS 2D to evaluate wall performance under actual site conditions. My analysis determined that the primary cause of distress was an unauthorized increase in the retained soil height. Despite the observed deformation, I calculated a global factor of safety of approximately 1.3, indicating the bulkhead was stable and not at imminent risk of failure.

3- Vulcan Retaining Wall, Uvalde, Texas (2024 - 2025)

I investigated distress of a mechanically stabilized earth (MSE) wall approximately 55 feet high and 270 feet long used as a dump structure at a construction materials facility. Post-construction monitoring identified excessive total and differential settlements and outward displacement of lower wall panels, suggesting reinforcement pullout or slippage.

I reviewed geotechnical reports, wall design calculations, drawings, and construction records to evaluate design assumptions and construction practices. I analyzed original and post-distress subsurface data, including soil borings, laboratory testing, and electrical resistivity profiling. I assessed the internal, external, and global stability of the wall using Slope/W, PLAXIS 3D, and MSEW+ software.

My analyses determined that wall distress resulted from improper design and construction of subsoil improvement, including inadequate compaction and non-uniform thickness. Excessive settlement increased reinforcement pullout forces and reduced backfill confinement, thereby reducing the frictional resistance between steel reinforcements and backfill material leading to reinforcement slippage and panels displacement.

4- XCS Ranch Pier Investigation, Gordonville, Texas (2025 - 2025)

I provided geotechnical engineering services for a residential development supported by pier foundations designed from a limited initial investigation. During construction, groundwater seepage was observed around some piers and within the crawlspace. Excavation for a swimming pool encountered unsuitable fill and organic soils extending to 20 feet below grade.

I reviewed prior geotechnical reports, local geology, and soil survey data. I planned and supervised a subsurface investigation program including borehole drilling, Texas Cone Penetration Testing, undisturbed soil sampling, and Geo-electrical Moisture Material Imaging Resistivity profiling. I developed and assigned a laboratory testing program including index testing, unconfined compression, and free and pressure swell tests.

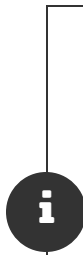
I analyzed field and laboratory data to determine engineering soil parameters. I evaluated compression and uplift capacities of installed piers and developed the design and geotechnical recommendations for additional piers to support a proposed pool house that was added to the project scope.

RAKHI MONDAL (23-811-57)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
04/13/2026

Citizenship
Bangladesh

SUMMARY



Engineering Experience
after EAC degree

Total Engineering
Experience
2 years, 10 months

Experience under licensed
engineer
2 years, 10 months

Disciplinary Action
None reported



EDUCATION



Bachelors in Urban and Regional Planning
Bangladesh University of Engineering and Technology
May 2012–February 2017

Masters in Civil and Environmental Engineering
University of Nevada, Reno
August 2021–December 2023



EXAMS



Fundamentals of Engineering (FE)
Nevada
October 2024

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

LICENSES



Additional Licenses
None

RAKHI MONDAL (23-811-57)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Carollo Engineers, Inc.
Tennessee (United States)
Staff Professional
May 2023—March 2026

Verified by
Richard Luis Gutierrez
RGutierrez@carollo.com

Experience Summary
Full-Time
Engineering: 2 years, 10 months
Experience under licensed engineer:
2 years, 10 months

TASKS

Staff Professional / Project Engineer / Design Engineer: Working under the direction of licensed professional engineers and performing civil engineering work primarily in stormwater, drinking water, and wastewater system planning, design, and construction projects. Responsibilities include coordinating with CAD professionals for preparation of engineering plans and drawings; coordinating with Document Processing personnel for development of technical specifications; performing system improvement planning studies including conceptual design of system improvements and development of capital improvement plans; developing construction contract documents and technical specifications; reviewing detailed engineering drawings and specifications; preparing technical memoranda, engineering reports, and electronic deliverables; performing system modeling and engineering analyses; presenting technical recommendations and alternatives to senior staff and clients; preparing engineering cost estimates; reviewing and responding to contractor requests for information and submittals; performing work related to wastewater treatment facilities and linear conveyance infrastructure; performing data entry and engineering analysis; and conducting site investigations to determine project needs. In addition, serving as a Site Engineer for construction projects by performing site investigations and field inspections to verify compliance with design drawings, specifications, and applicable codes; coordinating with contractors, inspectors, and project stakeholders; monitoring construction progress, schedules, and quality of work; assisting with construction administration activities including review of change orders, field clarifications, and RFIs; documenting site conditions and construction activities; and providing engineering support during construction to resolve field issues and support successful project delivery.

REPRESENTATIVE PROJECTS

Carson City - preparing SOPs for the Carson City Water Resource Recovery Facility (May 2023-July 2023): I have prepared draft Standard Operating Procedures (SOPs) to support the City in formalizing operating procedures and providing documentation for operator training.

City of Reno-Truckee Meadows Water Authority- Spanish Springs Blending and Nitrate treatment Study (July 2023-October 2023): I performed a blending analysis for Supply Alternatives to determine post-blending treatment requirements. I identified infrastructure needs for each alternative, including pump stations, tanks, pipelines, discharge lines, and disinfection facilities. I developed a preliminary plant layout and prepared the opinion of probable construction cost (OPCC) and implementation schedules.

City of Tracy- Wastewater Master Plan Update (July 2023- December 2023): I worked on the engineering analysis to identify existing and future capacity deficiencies and developed a prioritized Capital Improvement Program (CIP). I prepared the Master Plan report and summarized recommended capital projects, cost estimates, and financial impacts.

City of Peoria, Arizona- Quintero Wastewater Treatment Plant Evaluation (June 2024- September 2024): I evaluated and developed process configurations, major equipment requirements, layouts, and hydraulic profiles, and conceptual capital cost estimates. I also presented design alternatives and recommendations to the client.

City of Chico-Primary Clarifiers Rehabilitation (March 2024- October 2024): I served as design engineer for the Chico Primary Clarifier Rehabilitation Project and prepared 90% construction drawings and technical specifications. I designed primary clarifier improvements including replacement of sludge collector equipment, slide gates, and scum collectors, and modifications to sludge pumping facilities including additional instrumentation and ancillary appurtenances.

City of Chico- Secondary Clarifier Design (May 2024- December 2024): I served as Design Engineer for the Chico Secondary Clarifier No. 6 Design Project. I prepared detailed mechanical technical specifications including hydraulic suction header circular secondary clarifier equipment, common work results for mechanical equipment, submersible sump pumps, valves, pipe supports, pipe couplings, and related appurtenances. I developed the 90% design drawing set for the clarifier, prepared all drawing notes, and coordinated design workshops with the client. I developed construction cost estimates by communicating directly with equipment vendors to obtain pricing and technical information, and I led internal design coordination meetings to support completion of the design.

Pajaro Valley Water Management Agency- College Lake Integrated Resources Management Project (November 2024- August 2025): I provided design modifications and engineering services during construction for the PV Water Project. I managed technical

communication with contractors during construction, reviewed mechanical and civil submittals, reviewed and responded to RFIs, prepared design clarifications, and supported change order development. I also participated in periodic site visits, supported startup and commissioning activities, and assisted with record drawings, project closeout, and warranty services. In addition, I prepared draft Standard Operating Procedures (SOPs) and Operations and Maintenance (O&M) manuals to document plant operations and support operator training.

Washoe County-Peasant Valley Interceptor Phase 3 (December 2024-April 2025): I provided engineering support for the Washoe County Pleasant Valley Interceptor Phase 3 Project, a CMAR sewer infrastructure project involving 8-inch to 18-inch gravity sewers, a 2.2-MGD lift station, and a force main. I prepared technical specifications and managed project administration, and I prepared and coordinated permitting documentation including NDOT right-of-way occupancy permits and City of Reno building permits.

City of Nashville- Process Advancements at Omohundro and KR Harrington Water Treatment Plants (June 2025-February 2026): I am serving as a Design Engineer on the Process Advancements Project at the Omohundro and KR Harrington Water Treatment Plants in Nashville, Tennessee. I am performing detailed design for filter improvements and granular activated carbon (GAC) media exchange facilities, including preparation of drawings and technical specifications. I am reviewing contractor submittals and RFIs, preparing design clarifications, and updating record drawings based on construction change directives (CCDs).

City of Del Ray-Lift Station 50 Rehabilitation Design (July 2025-February 2026): I am serving as a Project Engineer on the Lift Station 50 Rehabilitation Project in Delray Beach, Florida. My responsibilities include preparing engineering design drawings and technical specifications, coordinating with multidisciplinary design teams, performing engineering calculations and technical evaluations, and supporting permitting and regulatory documentation. I assist with cost estimates, quality control reviews, and coordination with the client and internal project team.

ADDITIONAL INFORMATION



TIME GAPS

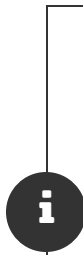
Start Date	End Date	Explanation
May 2011	April 2012	The delay in starting my semester at Bangladesh University of Engineering and Technology was due to nationwide political instability, which caused significant disruptions to the academic calendar.
March 2017	July 2021	During this period, I got married, completed the GRE and TOEFL, applied to U.S. universities, obtained admission and a visa, and relocated to the United States to pursue further studies.

ANH NGO (22-016-93)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
05/01/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree
3 years, 3 months

Total Engineering
Experience
3 years, 3 months

Experience under licensed
engineer
3 years, 3 months

Disciplinary Action
None reported



EDUCATION



Bachelors in Civil Engineering (EAC)
University of Nevada, Reno
August 2018–December 2021

Masters in Civil and Environmental Engineering
University of Nevada, Reno
January 2022–December 2022



EXAMS



Fundamentals of Engineering (FE)
Nevada
October 2021

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

LICENSES



Additional Licenses
None

WORK EXPERIENCE

Monte Vista Consulting, Ltd.
Nevada (United States)
Engineer-in-Training
January 2023—April 2026

Verified by
Michael Vicks
mike@montevistaconsulting.com

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

TASKS

I am tasked with the majority of site, grading, and utility designs for commercial, industrial, and residential projects in Northern Nevada and residential projects in Truckee, California. I am assigned projects and am heavily involved in the design and plan check stages. In the design stage, I create preliminary plans and design options for client review and ensure all proposed work is in compliance with local jurisdictional requirements. Once the design concept is approved by the client, I am tasked with the final design and plan sheet production for permit submittal and address any applicable plan check comments during the permitting phase. I also develop any necessary drainage reports, sewer and traffic generation letters, and stormwater pollution prevention plans associated with the project. Where additional entitlements are required in the early stages of the project, I coordinate and prepare design packages to facilitate preliminary project approval with the respective jurisdiction the project is in. I contact the planning or engineering departments for code clarification and verification when applicability and execution of provisions are unclear. I am also tasked with facilitating the plan preparation, project coordination, and client representation at pre-construction meetings for the majority of projects submitted to Truckee Meadows Water Authority. All my work is reviewed by my supervisor who will provide me with feedback for every change and phase of the project.

Engineering decisions I make often include site and grading design decisions (e.g. placement and height of retaining walls, driveway alignment and slopes, etc.) to ensure the design meets proper drainage requirements, are to the satisfaction to the client, and cost effective where possible. Utility design decisions include the sizing of stormwater pipes to provide sufficient drainage and general solutions for any utility conflicts to maintain required pipe crossing clearances and cover for stormwater, sewer, and water.

REPRESENTATIVE PROJECTS

Slim Chickens Damonte: A high-volume fast-food establishment with a drive-thru in south Reno, NV. I worked on this project from 2022 until its construction in 2024. I completed the site, grading, and utility (stormwater, sewer, and water) design. The utility design included a water main demolition and extension that was submitted separately to Truckee Meadows Water authority.

Eddy House: 25,000 s.f. youth transitional housing in Reno, NV. I worked on this project from 2023 to its construction in 2025. I completed the site, grading, and utility design. A significant component for this project was providing a sufficient grading design because it was in a floodplain while also ensuring that there was ADA accessibility throughout the site.

Willowbrook Apartments Renovation: This was a project in Winnemucca, NV in 2025 that I did the design to improve the existing site to provide ADA accessibility to all existing apartment units. I did the design for minor stormdrain improvements to address existing drainage issues.

Braesview Subdivision: This is a custom home subdivision in Reno, NV that I have done site and grading designs for various lots.

NV Energy Sierra Solar O&M Building: The operations and maintenance building for a large-scale solar development in Churchill County. I designed the site and grading for the building that allowed for fire department access and sufficient drainage. I also calculated and sized the detention pond based on Churchill County requirements.

MATTHEW OFSTHUN (21-696-96)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
05/06/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree
4 years, 4 months

Total Engineering
Experience
4 years, 4 months

Experience under licensed
engineer
4 years, 4 months

Other Experience

Disciplinary Action
None reported



EDUCATION



Bachelors in Civil Engineering (EAC)
University of Nevada, Reno
August 2016–May 2021

EXAMS



Fundamentals of Engineering (FE)
Nevada
April 2021

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



LICENSES



Additional Licenses
None

MATTHEW OFSTHUN (21-696-96)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Firestone Complete Auto Care
Washington (United States)
Automotive Technician
June 2007—September 2014

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

MATTHEW OFSTHUN (21-696-96)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Sierra At Tahoe
California (United States)
Bartender
October 2014—April 2015

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

MATTHEW OFSTHUN (21-696-96)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Beacon Bar & Grill
California (United States)
Lead Server/Bartender
May 2015—November 2021

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

MATTHEW OFSTHUN (21-696-96)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

R.O. Anderson Engineering, Inc.
Nevada (United States)
Project Manager/Engineering Intern
November 2021 – July 2023

Verified by
Robert Anderson
robert.anderson@wilson-
engineers.com

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

TASKS

Applied hydraulic and hydrologic engineering principles to stormwater and drainage design by performing runoff calculations, flow analysis, and hydraulic modeling for storm drains, culverts, and sewer conveyance systems. Developed pre- and post-developed watershed analyses and supporting drainage reports to evaluate runoff impacts and mitigation requirements.

Performed hillside grading and drainage design for steep terrain (slopes >15%) by evaluating flow paths, drainage patterns, and constructability constraints. Analyzed grading impacts on drainage behavior and incorporated design solutions into plan sets and supporting documentation.

Performed buoyancy calculations for septic systems and underground structures in shallow groundwater and evaluated public sewer and storm system performance under groundwater influence. Analyzed system behavior under varying hydraulic conditions to support design decisions.

Performed hydraulic calculations for lift stations and post-treated effluent disposal systems, including evaluation of pump performance and discharge conditions. Analyzed distribution system flow and pressure data to assess system capacity and operational performance.

Performed hydrogeologic evaluations, including review of aquifer test data and groundwater conditions to support well siting and system design. Evaluated wastewater treatment plant flow conditions and performed biosolids analysis to support operational and regulatory requirements. Prepared engineering calculations, technical memoranda, and permit support documentation for agency review.

Coordinated design data with surveyors and CAD staff to develop construction documents and reviewed field conditions during construction to evaluate conformance with design intent.

REPRESENTATIVE PROJECTS

My engineering experience includes progressive work on municipal, private, and institutional water, wastewater, stormwater, and hydraulic infrastructure projects across Nevada and California. Work included hydraulic analysis, design development, permitting support, and construction coordination under licensed professional supervision.

At Lake Mead Boulder Beach Lift Station (NV), I performed hydraulic calculations and contributed to design of a replacement lift station system serving campgrounds, staff housing, and marina facilities. I evaluated flows conveyed through approximately 5,000 LF of force main to treatment lagoons and supported design of a three-pump, ~20-foot-deep polymer-lined wet well system, including analysis of system hydraulics and pump performance.

At Texas White House (TX), I performed hydraulic and septic system design calculations for a full site redevelopment including structural improvements, storm drain redesign, and wastewater disposal. I designed two lift stations (cabana/office and primary system) and analyzed a shared and split pressure-dosed shallow bed disposal system to address high groundwater conditions and site constraints. I evaluated stormwater drainage and septic system performance under complex hydraulic conditions.

For the Douglas County Lake Tahoe Sewer Authority (DCLTSA) Authority Engineer (NV) role, I analyzed flow contributions from multiple districts into the treatment system and evaluated effluent conveyance to downstream reuse areas. I performed biosolids and effluent analysis supporting agricultural reuse and composting operations. I also reviewed project plan sets and engineering submittals as part of the acting district engineer role.

For the Sierra East Water System (CA) project, I performed hydraulic modeling and pump system calculations and supported design and construction of a new groundwater well replacing high-temperature and arsenic-impacted sources. I observed drilling operations, collected sieve samples, and evaluated subsurface conditions, then designed well screen intervals under supervision and coordinated fabrication. I also performed river drawdown calculations and evaluated treatment and system integration requirements.

For the Edgewood Lake Tahoe Water Intake (CA/NV) project, I evaluated performance of a deep-water intake system consisting of a 14-inch suction line (~1,200 LF, ~600 ft depth). I analyzed system hydraulics and troubleshot large in-ground vacuum pump performance issues affecting supply to building systems, including HVAC and irrigation demands.

On Barton Hospital (CA/NV), I performed drainage and utility analyses and evaluated site constraints, incorporating grading and infrastructure design into construction documents for permitting.

On Crystal Crag (CA), I supported design of a new water storage tank and treatment system upgrades for a high-elevation (~10,000 ft) community. I collected operational data over an extended period and performed CT analysis to evaluate compliance with surface water treatment requirements, supporting regulatory approval.

On China Peak (CA), I coordinated survey operations and piloted RTK drone flights, including mission planning and base station coordination, to develop topographic data. I prepared alignment profiles and evaluated support locations for a replacement ski lift system.

On Sorensen's Resort (CA), I analyzed flow and water quality data for an existing packaged treatment plant and evaluated system performance relative to regulatory standards. I assessed feasibility of connecting to an existing sewer force main system and performed hydraulic and compliance analysis to support design decisions.

For Bridgeport Public Utility District (CA), I performed fire hydrant flow testing and supporting hydraulic calculations to evaluate system capacity under fire flow conditions. I analyzed distribution system performance and verified compliance with required fire flow standards. I also investigated system anomalies, including diagnosing an electrical failure affecting a distribution main leaving a pump station under extreme cold conditions (~-20°F), and evaluated system response to identify potential causes and impacts.

MATTHEW OFSTHUN (21-696-96)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

R.O. Anderson Engineering, Inc.
Nevada (United States)
Project Manager/Engineering Intern
July 2023—September 2024

Verified by
Ryan Spreeman
Ryan.Spreeman@wilson-
engineers.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

This experience was performed concurrently under multiple licensed professional engineers within the same full-time employment and represents approximately 28% of my total professional time during this period.

Performed civil engineering design and technical support for site development, drainage, and utility infrastructure projects in Nevada. Prepared and revised grading, drainage, water, and sewer plans; performed engineering calculations and analyses; and assisted in development of cost estimates, technical memoranda, response letters, and permit application packages for agency review and approval.

Supported design and permitting of infrastructure systems including storm drainage facilities, culverts, water systems, sewer improvements, and fire flow verification. Responsibilities included sizing and selection of infrastructure components based on engineering calculations, review of agency comments, revision of plan sets and reports, and coordination with senior engineers to ensure compliance with local, state, and federal requirements.

Performed hydraulic and drainage analyses for commercial and industrial developments, including runoff mitigation, conceptual drainage design, watershed evaluation, and grading optimization to improve constructability and regulatory compliance. Assisted with preparation and revision of technical drainage reports, exhibits, and supporting documentation.

Participated in utility coordination and construction support activities by working with surveyors, clients, agencies, contractors, and drafting staff; reviewing field conditions; and incorporating revisions into design documents. Applied engineering judgment throughout project development from preliminary planning through permitting, design refinement, and construction-phase support under the supervision of licensed professional engineers.

REPRESENTATIVE PROJECTS

Some projects involved collaboration across multiple licensed engineers, and my role under each supervisor reflects the portion of work performed under their responsible charge.

My experience under Ryan Spreeman included participation in site development, drainage, and utility infrastructure projects in Nevada. Under licensed professional supervision, I contributed to engineering calculations, design development, permitting support, and construction coordination across multiple commercial and private development projects.

3318-002 Site Development Projects, Nevada (2023–2024):

I contributed to design and delivery of site development improvements including grading, drainage, and utility infrastructure. Responsibilities included preparation and revision of plan sets, performing engineering calculations and analyses, conducting field visits and site evaluations, and coordinating with surveyors, clients, and agencies. I assisted in preparation of technical reports and permit submittals and supported construction-phase activities. My role progressed to leading task-level coordination and supporting client and team interactions while ensuring designs met regulatory requirements and constructability considerations.

3318-001 Site Development Project, Nevada (2023):

I performed engineering calculations and analyses to support site grading, drainage, and utility design. I coordinated with surveyors, clients, and agencies, and assisted in preparation of permit submittals and approvals. Work included sizing and selection of infrastructure components based on engineering calculations and optimizing site layout for drainage and constructability.

Prologis / 2453 Heybourne Road, Nevada (2023-2024):

I supported design and permitting of water, sewer, storm drain, and site improvements for this commercial development. Responsibilities included lift station design support, sewer demand calculations, utility layout review, hydraulic evaluation of culvert alternatives, preparation of cost estimates, and development of technical reports and permit packages. I coordinated hydrant flow testing, responded to agency comments, and assisted with construction support, as-built plan updates, and coordination with Douglas County and other agencies.

2530 Nowlin Road, Nevada (2023):

I assisted with site improvement permitting, grading design revisions, and preparation of response letters and submittal packages for Douglas County and East Fork Fire Protection District. Work included plan revisions for drainage and grading, review of agency and fire code requirements, and preparation of supporting technical documentation to achieve permit approval.

Revchem Minden Lots 77/878 CVBP, Nevada (2023):

I contributed to conceptual drainage design and fire flow evaluation, including preparation of hydrant flow test applications, calculations, exhibits, and technical memoranda. I assisted in development and revision of conceptual drainage reports, watershed exhibits, and grading plans, and prepared responses to agency comments.

2620 Old Ranch Road Residence, Nevada (2023-2024):

I assisted with grading and drainage revisions for a residential development project, including evaluation of runoff impacts and preparation of plan modifications to address drainage concerns and applicable code requirements.

MATTHEW OFSTHUN (21-696-96)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

R.O. Anderson Engineering, Inc.
Nevada (United States)
Project Manager/Engineering Intern
September 2024 – March 2025

Verified by
Jamie Ann Roybal
Jamie.Roybal@wilson-engineers.com

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

TASKS

This experience was performed concurrently under multiple licensed professional engineers within the same full-time employment and represents approximately 12% of my total professional time during this period.

Performed civil engineering design and technical coordination in support of structural foundation and building system development for residential and agricultural facility projects in Nevada. Prepared and revised grading plans, site layouts, and utility plans to support structural design requirements; performed engineering evaluations; and assisted in development of supporting documentation including exhibits, response letters, and permit application materials for agency review and approval. Supported the integration of civil and structural design components including building pads, foundation elevations, access, drainage, and utility systems. Responsibilities included coordinating site constraints with structural layouts, reviewing design compatibility between disciplines, revising plan sets based on engineering feedback, and working with senior engineers to ensure compliance with applicable codes and jurisdictional requirements.

Performed site grading and drainage analyses to support structural design, including evaluation of runoff patterns, drainage mitigation, and constructability considerations affecting foundation performance. Assisted in preparation and revision of technical exhibits and supporting documentation to ensure alignment between civil design intent and structural requirements.

Participated in multidisciplinary coordination and construction support activities by working with structural engineers, surveyors, clients, agencies, and drafting staff; reviewing design markups and field conditions; and incorporating revisions into construction documents. Applied engineering judgment throughout project development from preliminary planning through permitting, design refinement, and construction-phase support under the supervision of licensed professional engineers.

REPRESENTATIVE PROJECTS

Some projects involved collaboration across multiple licensed engineers, and my role under each supervisor reflects the portion of work performed under their responsible charge.

My experience under Jamie included participation in projects requiring coordination between civil site design and structural foundation and building system development in Nevada. Under licensed professional supervision, I contributed to grading, drainage, and utility design efforts supporting structural plans, as well as permitting coordination and construction document development for residential and agricultural facility projects.

3081-002 A&S Metals Facility, Nevada (2024):

I supported civil engineering design and coordination efforts for a commercial/industrial facility project involving structural building components and associated site improvements. Responsibilities included preparation and revision of grading and drainage plans, coordination of building pad elevations with structural foundation requirements, and integration of utility infrastructure with site and building layouts. I assisted in reviewing plan compatibility between civil and structural elements and supported development of permit submittals and construction documents.

3081-005 Cottonwood / Hwy 88 Barn and Residence, Nevada (2024-2025):

I contributed to civil design and multidisciplinary coordination for a proposed barn and future residential development. Responsibilities included supporting site grading design, evaluating drainage impacts, and coordinating civil improvements with architectural and structural plans. Work included assisting with layout of building pads, ensuring compatibility between site conditions and foundation design, and supporting preparation of construction documents for permitting. Project scope included coordination with architectural and structural design efforts for building plans, foundation systems, and supporting infrastructure such as septic system design and site access. Tasks aligned with phased design development including schematic design, design development, and final construction documents as outlined in the project proposal.

MATTHEW OFSTHUN (21-696-96)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

H2O Urban Solutions, Inc
California (United States)
Senior Project Manager
April 2025—April 2026

Verified by
Scott Myers
Scott@h2ourban.com

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

TASKS

Responsible for design and preparation of construction documents for water and wastewater infrastructure projects including booster pump stations, groundwater wells, treatment facilities, storage improvements, and water distribution mains. Developed plan sets, specifications, technical memoranda, and engineering calculations to support permitting, bidding, and construction of utility system improvements.

Coordinated directly with public water and wastewater utility clients to plan and deliver main replacement, relocation, treatment, and facility improvement projects. Evaluated pipeline routing alternatives to maintain placement within public rights-of-way, minimize impacts to adjacent parcels and existing utilities, and comply with governing design and construction standards.

Provided technical support to water and wastewater treatment facility operators across multiple sites. Assisted in troubleshooting operational issues within flocculation systems, chlorine disinfection systems, storage and conveyance components, and aging valve and appurtenance assemblies. Evaluated treatment process alternatives and supported operational and design adjustments to improve performance, maintain compliance, and enhance long-term reliability.

Performed civil, utility, and grading design for water storage, treatment, and distribution system projects, including earthwork and drainage design for storage tanks, clearwells, pump stations, and treatment facilities. Reviewed site constraints, drainage conditions, utility conflicts, and constructability issues to support facility layout, access, and phased implementation.

Managed projects from concept through design, permitting, and construction support. Coordinated with utility clients, regulatory agencies, subconsultants, and production staff; reviewed contractor questions and submittals; responded to field issues; and supported verification of construction conformance with design intent.

Applied engineering judgment to resolve site-specific issues related to treatment process configuration, pipeline replacement and relocation, grading and drainage design, storage and pumping infrastructure, and rehabilitation of aging water system facilities while maintaining water quality compliance, operational continuity, and long-term system integrity.

REPRESENTATIVE PROJECTS

My experience with H2O Urban Solutions, Inc. includes progressive responsibility for planning, design, and implementation of municipal water and wastewater infrastructure projects throughout California. Under the supervision of Scott Myers, PE, I supported and managed design development, prepared construction documents, coordinated with utility clients and agencies, and provided technical and construction-phase support for water system, treatment, and utility improvement projects.

Larkfield Water Main Replacement, Santa Rosa, California (2024–2025):

I led preparation of construction documents for distribution main replacement within public rights-of-way. Responsibilities included evaluating alignment alternatives, coordinating with utility stakeholders, preparing plan and profile drawings, and supporting compliance with applicable water system design standards and local agency requirements.

Fruitridge Water System Improvements, Sacramento County, California (2024–2025):

I managed design development for water system replacement and improvement work, including pipeline sizing, utility routing within roadway corridors, preparation of construction documents, permitting coordination, and technical support during project development.

Meadowbrook Water Main Replacement, Sacramento County, California (2024–2025):

I supported planning and design of replacement water mains and related appurtenances. Work included evaluation of route

constraints, preparation of engineering drawings and details, coordination with agencies and utility owners, and support for design decisions affecting constructability and phased replacement.

Hillview Junction Water Infrastructure Improvements, Sacramento County, California (2024–2025):

I supported design and permitting of distribution system upgrades, including preparation of engineering plans, coordination with agency reviewers, and resolution of site-specific grading, access, and utility conflict issues.

Carmel Water Main Replacement, Carmel, California (2024–2025):

I coordinated with utility staff to design pipeline replacements in constrained developed corridors. Responsibilities included routing mains within public rights-of-way, addressing traffic and access limitations, and preparing construction documents consistent with local jurisdiction requirements and water quality standards.

Monterey Storage Tank Project, Monterey County, California (2024–2025):

I performed civil and grading design for a large-volume storage and clearwell facility. Work included earthwork planning, drainage design, site access evaluation, and coordination of structural, civil, and mechanical components within the construction documents.

Grizzly Flats Water Treatment Plant and Distribution System, El Dorado County, California (2025–Present):

I have supported treatment facility design and distribution system planning for this water system improvement project. Responsibilities have included evaluation of flocculation treatment options, technical support for flocculation system performance improvements, troubleshooting chlorine disinfection and related treatment components, and preparation of distribution system and facility improvement documents to support implementation and regulatory compliance.

Franklin Backyard Main Replacement, Sacramento County, California (2025–2026):

I supported design and preparation of construction documents for backyard water main replacement and related distribution system improvements. Responsibilities included alignment development, utility conflict review, preparation of plans and details, coordination with owner and reviewing agencies, and technical support for constructability, tie-in configuration, and replacement of aging system components within constrained corridors.

Across these projects, I managed and supported project execution from concept through construction support, coordinated with utility clients and regulatory agencies, prepared technical calculations and construction documents, and made engineering decisions related to treatment optimization, pipeline relocation, grading design, storage facilities, and rehabilitation of aging infrastructure while maintaining regulatory compliance, water quality standards, and system reliability.

GUSTAVO RAMIREZ ZARATE (21-840-83)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
04/20/2026

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 Structural Engineering (EAC)
University of California, San Diego
September 2016–June 2021

EXAMS



Fundamentals of Engineering (FE)
California
February 2022

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



LICENSES



Additional Licenses
None

GUSTAVO RAMIREZ ZARATE (21-840-83)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Living Spaces Warehouse
California (United States)
Unloader
July 2021 – March 2022

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

GUSTAVO RAMIREZ ZARATE (21-840-83)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Nelson Engineers
California (United States)
Project Engineer
April 2022—August 2024

Verified by
David Nelson
david.nelson@nelsonengineers.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 worked as a Project Engineer performing structural engineering for residential and light commercial projects. My work was approximately 95–100% engineering in nature. Projects included custom single-family residences, ADUs, additions, remodels, tract housing, and small commercial structures such as gas station stores and car wash facilities. My responsibilities included determining gravity, wind, and seismic loads; developing roof and floor framing layouts; identifying bearing elements and continuous load paths; and designing wood, steel, concrete, and CMU structural systems. I sized beams, headers, joists, rafters, posts, shear walls, diaphragms, collectors, chords, and foundations, including continuous footings, pad footings, retaining walls, and pole footings. I also designed anchorage for rooftop and site equipment and miscellaneous accessory structures when required.

Early in my employment, my work was closely reviewed as I learned office standards and procedures. Within several months, I independently engineered complete projects with final review by a licensed Professional Engineer prior to stamping and issuance. I prepared structural drawings and calculation packages in accordance with applicable codes and standards.

I coordinated directly with architects and clients to resolve design conflicts, clarify architectural intent, and accommodate revisions. I also responded to plan review comments, RFIs, and construction-phase questions, supporting projects from initial design through permitting and construction. This position provided progressive responsibility and practical experience in full building structural design under licensed supervision.

REPRESENTATIVE PROJECTS

Reed Avenue ADU and Addition – San Diego, California (October 2023)

I served as the primary structural engineer for a two-story ADU and addition attached to an existing multi-unit residential building. The project included new upper-level residential units over open parking supported by steel posts. I developed gravity and lateral systems for the new construction, designed cantilevered floor framing and decks, and coordinated load transfer from wood framing into steel columns and foundations. I also designed foundation retrofits to support increased loads from the addition and prepared complete structural drawings and calculations for permit review.

MM Residence – Llano, California (September 2023)

This project involved a two-story custom residence constructed over a garage on a sloped site. I designed wood framing with a flat roof and parapet, cantilevered deck framing, and retaining concrete garage walls. I developed the lateral force-resisting system, including shear wall layouts, hold-downs, and diaphragm design, and coordinated architectural constraints with structural requirements. I addressed plan review comments and revised the design as needed to obtain permit approval.

DePortola Residence – Temecula, California (January 2024)

I performed structural design for a large residential development consisting of a primary single-story residence with attached two-story residential units, office space, and storage areas. The project required coordination of multiple framing systems within a single structure. I developed roof and floor framing layouts, designed gravity and lateral systems, and ensured continuous load paths across varying building heights. This project demonstrated increased responsibility in coordinating complex residential layouts and structural systems.

Skyview House – Wrightwood, California (November 2023)

This project consisted of a two-story residence over a garage with a complex roof geometry and cantilevered roof and deck elements supported by steel posts. I designed custom steel-to-wood connections, cantilevered framing, and pole footing foundations capable of resisting gravity and lateral loads. I evaluated architectural constraints and detailed connections to maintain structural performance while accommodating the unique roof configuration.

Express Car Wash – Moreno Valley, California (February 2024)

I designed a one-story commercial car wash structure associated with a gas station site. My responsibilities included structural design of the building, foundation system, and anchorage of car wash equipment subjected to gravity and lateral loads. I coordinated with architectural and mechanical requirements and prepared calculations and drawings demonstrating compliance with applicable codes.

Farrell Residence – Murrieta, California (January 2024)

I served as the structural engineer for a residential addition and remodel requiring foundation retrofit and a new lateral system. I evaluated existing conditions, designed new framing and shear walls, and detailed foundation upgrades to support the expanded structure. I coordinated revisions with the architect and responded to plan review comments through permit approval.

GUSTAVO RAMIREZ ZARATE (21-840-83)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

McPherson Engineering
California (United States)
Structural Designer
August 2024 – April 2026

Verified by
Ryan McPherson
RyanJMcPherson@hotmail.com

Experience Summary
Full-Time
Engineering: 1 year, 8 months
Post EAC degree: 1 year, 8 months
**Experience under licensed engineer:
1 year, 8 months**

TASKS

I worked as a Structural Designer performing structural engineering for residential projects, including custom single-family residences, multi-family buildings, ADUs, additions, remodels, unpermitted/as-built conditions, and associated accessory structures. My work was approximately 95–100% engineering in nature.

My responsibilities included determining gravity, wind, and seismic loads; developing roof and floor framing layouts; identifying bearing elements and continuous load paths; and designing wood, steel, and concrete structural systems. I sized beams, headers, joists, rafters, posts, shear walls, diaphragms, collectors, chords, and foundations in accordance with applicable codes and standards. I evaluated site-specific constraints such as sloped sites, poor soil conditions, retaining requirements, and proximity to pools, and selected appropriate foundation systems including spread footings, retaining walls, grade beams, deep foundations, and structural slabs.

I prepared complete structural drawings and calculation packages for permit submittal. I coordinated directly with architects, homeowners, and contractors to resolve design issues, clarify architectural intent, and accommodate revisions. My work was reviewed and approved by a supervising Professional Engineer prior to stamping and issuance. I responded to plan review comments, RFIs, and construction-phase questions, supporting projects from initial design through permitting and construction. This position provided ongoing responsibility for full building structural design under licensed supervision.

REPRESENTATIVE PROJECTS

John Lotridge Residence – Chino Hills, California (November 2025)

I served as the primary structural engineer for a two-story custom single-family residence constructed on a sloped site with a garage level supported by reinforced concrete retaining walls. I designed the complete gravity and lateral structural systems, including roof and floor framing layouts, shear wall configurations, diaphragms, collectors, and foundations. I coordinated structural layouts with architectural constraints and prepared drawings and calculations for permit review.

2772 Treat Street Apartments – San Diego, California (March 2025)

This project involved a three-story wood-framed multi-family residential building with roof and cantilevered floor decks. I developed the gravity and lateral systems for the entire structure, including framing layouts, cantilevered deck connections, and continuous load paths from roof to foundation. I designed shear walls, diaphragms, and foundations and addressed plan review comments through permit approval.

Marc Teren Residence – Palm Springs, California (December 2025)

I performed structural design for a multi-unit residential development incorporating mixed wood, steel, and concrete structural systems. The project included steel floor beams, steel posts, reinforced concrete columns, retaining walls, and proprietary lateral systems. I designed gravity and lateral load-resisting systems, detailed steel-to-steel and steel-to-concrete connections, and coordinated framing layouts with architectural and site conditions.

Crenshaw Residence ADU – Los Angeles, California (2025)

I served as the structural engineer for a two-story ADU constructed on a sloped site with poor soil conditions. I designed retaining walls supported by grade beams and deep foundations extending to competent material and developed a one-way structural slab-on-grade due to soil limitations. I designed the gravity and lateral systems for the structure and detailed connections to maintain continuous load paths.

Pacific Ridge High School Canopy – Carlsbad, California (2025)

I designed a steel cantilevered canopy structure for a school bus drop-off area. My responsibilities included analysis and design of

steel framing members, connections, and foundations subjected to gravity, wind, and seismic loads. I used structural analysis software to model the system, designed steel-to-steel connections, and coordinated structural requirements with architectural and site constraints.

Boulder Bay Condominiums – Big Bear Lake, California (September 2025)

I performed structural design for a multi-family residential balcony and stair retrofit project. The scope included replacing deteriorated cantilevered balconies with post-supported systems and designing new footings and connections. I evaluated existing conditions, designed retrofit details, and prepared drawings and calculations for permit review, responding to plan check comments through approval.

MOHAMED SADEK (21-332-03)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL


 Applying To **Nevada**

Application Type **Initial - PE**

Application Date **04/10/2026**

Citizenship **Canada**

SUMMARY



 Engineering Experience after EAC degree



Total Engineering Experience **4 years, 5 months**

Experience under licensed engineer **3 years, 5 months**

Other Experience **4 years, 6 months**

Disciplinary Action **None reported**

EDUCATION

 Meets NCEES Engineering Education Standard

Bachelors in Civil Engineering
Cairo University
September 2012–May 2017

Masters in Civil Engineering
Memorial University of Newfoundland
May 2018–October 2020

EXAMS

 Fundamentals of Engineering (FE)
EES
July 2022

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

LICENSES

 Additional Licenses **None**

MOHAMED SADEK (21-332-03)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

*TCB in Cairo Egypt
Cairo (Al Qāhira) (Egypt)
Structural Engineer in Training
May 2017—May 2018*

*Verified by
Mohammed Haitham Elshafie
Mohammedelshafie@hotmail.com*

*Experience Summary
Full-Time
Engineering: 1 year
Experience under licensed engineer:
None*

TASKS

As a Structural Engineer-in-Training, I was responsible for a broad range of engineering tasks focused on the analysis, design, and documentation of reinforced concrete and structural steel buildings designed. My work was fully engineering-based, with 100% of my time dedicated to engineering analysis, design, reporting, drafting, and field verification.

My core responsibilities included performing structural analysis for vertical and lateral loads using finite-element software such as SAP2000. I analyzed and designed concrete residential buildings, and low-rise structures, as well as steel industrial buildings. I designed structural members—including slabs, beams, columns, foundations, and steel frames—using structural design software, Mathcad, hand calculations, and Excel design tools. All work was performed in accordance with the Egyptian Code of Practice, with additional verification checks using ACI 318 to ensure alignment with international standards.

I prepared comprehensive structural design reports documenting assumptions, load derivations, analysis results, and design procedures. I also produced 2D construction drawings, including plans, sections, and reinforcement details, ensuring clarity, constructability, and coordination with architectural and MEP disciplines.

My duties also included performing site visits to verify existing conditions, observe construction progress, and ensure that structural elements were being built in accordance with design drawings and specifications. These visits provided valuable feedback for refining design details and resolving field issues.

I contributed to lateral system design, including modeling and analyzing shear walls and core systems for multi-storey buildings. Notably, I participated in the design of shear walls for a 20-storey hotel and a 20-storey residential tower, performing stiffness checks, drift evaluations, and reinforcement design.

This role strengthened my technical judgment, understanding of code application, and ability to translate analytical results into practical engineering solutions.

REPRESENTATIVE PROJECTS

Project 1: Residential Villa Development – Cairo, Egypt (May 2017 – February 2018)

This project involved the structural design of reinforced concrete residential villas consisting of two-story buildings with isolated footings, slabs, beams, columns, staircases, and roof systems, designed in accordance with the Egyptian Code of Practice and ACI 318.

I developed three-dimensional SAP2000 structural models, applied gravity and lateral load cases, and calculated internal forces for slabs, beams, columns, and foundations. I designed reinforced concrete members using hand calculations and Mathcad, checked strength and serviceability criteria, and detailed reinforcement. I prepared structural design reports documenting assumptions, load derivations, and final calculations and coordinated structural drawings for construction.

Project 2: Industrial Steel Warehouse – Cairo, Egypt (August 2017 – March 2018)

This project consisted of a single-story steel industrial warehouse with long-span roof framing, crane loading, and vertical and horizontal bracing systems designed to resist gravity, wind, and operational loads in accordance with applicable steel design standards.

I developed structural analysis models using SAP2000 to analyze the steel framing system under gravity, wind, and crane loads and calculated axial, shear, and bending demands on primary and secondary members. I designed steel rafters, columns, bracing members, and base plates using engineering calculations and spreadsheet-based design tools. I evaluated different bracing configurations and recommended efficient framing solutions based on structural performance and constructability.

Project 3: 20-Storey Hotel Building – Cairo, Egypt (September 2017 – May 2018)

This project involved a 20-storey reinforced concrete hotel building with a dual lateral force-resisting system consisting of shear walls and moment-resisting frames designed to meet strength and drift requirements under wind and seismic loading. I developed and analyzed the global structural model using ETABS, defined lateral load cases and combinations, and calculated base shear, overturning moments, storey drifts, and internal force demands. I designed reinforced concrete shear walls, coupling beams, and boundary elements and calculated stiffness and coupling ratios to verify lateral system performance. I reviewed analysis results, identified critical load paths, and refined reinforcement detailing to comply with code requirements and performance criteria.

Project 4: 20-Storey Residential Tower – Cairo, Egypt (October 2017 – May 2018)

This project consisted of a high-rise residential tower comprising reinforced concrete flat slabs, columns, shear walls, and foundations designed for combined gravity and lateral loading.

I developed and refined the structural analysis model using ETABS, calculated gravity and lateral load demands, and designed slabs, beams, columns, and shear wall reinforcement. I calculated lateral displacements, checked allowable drift limits, and adjusted wall layouts to improve torsional performance. I coordinated with architectural and mechanical disciplines to resolve design conflicts affecting load transfer and constructability.

Project 5: Construction Site Visits and Field Verification – Cairo, Egypt (June 2017 – May 2018)

These site visits involved reinforced concrete residential and high-rise buildings at various stages of construction, including foundation placement, vertical element construction, and slab reinforcement.

I inspected reinforcement placement, verified existing conditions, and compared field installations against approved structural drawings and specifications. I documented field observations, identified discrepancies, and coordinated with the supervising Professional Engineer to address construction issues. I reviewed corrective measures to confirm alignment with design intent and applicable codes.

Summary

These representative projects demonstrate progressive responsibility in structural analysis, design, lateral system evaluation, interdisciplinary coordination, and field verification. This work reflects hands-on engineering judgment and the application of structural engineering principles.

WORK EXPERIENCE

Memorial University of Newfoundland
Newfoundland and Labrador (Canada)
Masters of Engineering Student
May 2018—September 2020

Verified by
Basem AbdelAleem
b.abdelaleem@mun.ca

Experience Summary
Full-Time
Other: 2 years, 4 months
Experience under licensed surveyor:
None

TASKS

During my Master of Engineering program, 90% of my responsibilities involved engineering research in concrete materials, and 10% involved teaching support in structural engineering courses.

My research focused on developing lightweight self consolidating concrete (LWSCC) using expanded slate aggregate combined with supplementary cementitious materials such as Metakaolin and fly ash. I designed and executed a full experimental program to evaluate fresh, hardened, and durability related properties. Fresh property testing included slump flow, T50 time, air entrained test, V funnel flow, L box passing ability, and segregation resistance. Hardened property testing included compressive strength, density, modulus of rupture, and modulus of elasticity. I also performed durability testing such as freezing–thawing resistance and related evaluations to assess suitability for offshore and marine exposed structures. Through iterative optimization, I developed LWSCC mixtures with densities between 1500 and 2000 kg/m³ and compressive strengths exceeding 60 MPa. This work resulted in four journal publications.

My engineering duties included designing mix proportions, preparing trial batches, conducting laboratory testing, analyzing data, and interpreting results to establish performance relationships. I coordinated with engineering companies to obtain materials, validate testing procedures, and ensure that the developed mixtures met practical engineering and durability requirements. I documented all findings in technical reports, journal papers.

As a teaching assistant, I supported undergraduate courses in structural analysis, reinforced concrete design, and mechanics of materials. My responsibilities included leading tutorial sessions, grading assignments and exams, holding office hours, and assisting students with problem solving related to structural behavior and material mechanics.

REPRESENTATIVE PROJECTS

My Master of Engineering experience provided progressive development in engineering research, laboratory testing, structural materials analysis, and technical communication. I advanced from assisting with basic laboratory tasks to independently designing experimental programs, coordinating with engineering companies, analyzing results, and publishing peer reviewed research.

Research in Lightweight Self Consolidating Concrete (LWSCC):

The primary objective of my research was to develop a structural grade LWSCC using expanded slate aggregate and supplementary cementitious materials. I began by reviewing literature, learning laboratory procedures, and assisting with preliminary trial batches. As I gained experience, I progressed to independently designing mix proportions, selecting aggregate gradations, and determining appropriate dosages of Metakaolin, fly ash, and chemical admixtures. I developed and executed a comprehensive experimental program to evaluate fresh, hardened, and durability related properties. Fresh property testing included slump flow, T50 time, V funnel flow, L box passing ability, and segregation resistance to ensure proper self consolidating behavior. Hardened property testing included compressive strength, density, modulus of rupture, and modulus of elasticity. To evaluate performance for offshore and marine exposed structures, I conducted durability testing such as freezing–thawing resistance and related evaluations. I performed all laboratory testing, data collection, and statistical analysis. Through iterative optimization, I produced durable LWSCC mixtures with densities between 1500 and 2000 kg/m³ and compressive strengths exceeding 60 MPa.

Coordination With Engineering Companies:

As part of the research program, I worked with engineering companies to obtain materials, and verify testing procedures. This included coordinating material deliveries, validating aggregate properties, and discussing performance expectations for offshore applications. These interactions strengthened my understanding of how research outcomes translate into real world engineering practice.

Engineering Judgment and Data Interpretation:

As my work progressed, I assumed full responsibility for experimental planning, equipment calibration, safety compliance, and documentation. I analyzed test results to identify trends, evaluate the influence of metakaolin and fly ash, and establish relationships between mixture constituents and mechanical and durability performance. This required engineering judgment in validating data, interpreting results, and determining whether mixtures met performance targets for both fresh and hardened behavior, as well as long term durability.

Technical Writing and Publication:

My research produced four peer reviewed publications and a thesis. I prepared manuscripts that included experimental methodology, data interpretation, and engineering implications. This strengthened my ability to communicate technical information clearly and support conclusions with quantitative evidence.

Teaching Assistant Responsibilities:

In addition to research, I served as a teaching assistant for structural analysis, reinforced concrete design, and mechanics of materials. My responsibilities included grading assignments, preparing tutorial materials, and leading problem solving sessions. As I gained experience, I conducted full tutorial sessions, explained structural concepts, and assisted students with analytical methods involving internal forces, deflection, reinforced concrete behavior, and stress strain relationships.

I held office hours to support students, clarified code based design requirements, and helped them understand structural behavior and load paths. These responsibilities required clear communication, technical accuracy, and the ability to break down complex engineering concepts.

Progressive Development:

Throughout the program, my responsibilities increased in complexity and independence. I progressed from assisting with laboratory tasks to designing full experimental programs, from reviewing literature to publishing research, and from supporting instructors to independently leading tutorial sessions. This progression strengthened my technical competence in concrete materials, structural engineering fundamentals, experimental design, and engineering communication.

Overall, my Master of Engineering experience provided a strong foundation in research methodology, structural materials behavior, durability evaluation, analytical thinking, industry coordination, and teaching—skills directly applicable to professional engineering practice.

List of Publications:

1. Sadek, M. M., Ismail, M. K., & Hassan, A. A. (2020). Stability of lightweight self-consolidating concrete containing coarse and fine expanded slate aggregates. *ACI Materials Journal*, 117(3), 133-143.
2. Sadek, M. M., & Hassan, A. A. (2021). Abrasion and scaling resistance of lightweight self-consolidating concrete containing expanded slate aggregate. *ACI Materials Journal*, 118(2), 31-42.
3. Sadek, M. M., Ismail, M. K., & Hassan, A. A. (2020). Impact resistance and mechanical properties of optimized SCC developed with coarse and fine lightweight expanded slate aggregate. *Journal of Materials in Civil Engineering*, 32(11), 04020324.
4. Omar, A. T., Sadek, M. M., & Hassan, A. A. (2020). Impact resistance and mechanical properties of lightweight self-consolidating concrete under cold temperatures. *ACI Materials Journal*, 117(5), 81-91.

MOHAMED SADEK (21-332-03)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Western University
Ontario (Canada)
Research and Teaching Assistant
September 2020—November 2022

Verified by
Ahmed Musa
ahmedmusaaazab@gmail.com

Experience Summary
Full-Time
Other: 2 years, 2 months
Experience under licensed surveyor:
None

TASKS

During my time at Western University, approximately 90% of my responsibilities involved engineering research in structural analysis of light-frame wood (LFW) buildings, and 10% involved teaching support in structural engineering courses.

My research focused on developing simplified numerical models for LFW shear walls and diaphragms subjected to lateral and vertical loads. The objective was to create analysis models that could be implemented directly in ETABS, allowing practicing engineers to efficiently analyze LFW buildings without relying on highly detailed finite element models. To achieve this, I first developed comprehensive FEM models that captured the orthotropic behavior of wood sheathing and studs, the nonlinear load-slip behavior of nail connections, and the interaction between LFW components and surrounding structural elements. These detailed models were validated against experimental data.

Following validation, I developed simplified numerical link-based models that reproduced the global and local behavior of the detailed FEM models. These models used calibrated nonlinear link elements with properties derived specifically for each wall configuration, including variations in stud spacing, nail patterns, sheathing layouts, and blocking conditions. The simplified numerical models accurately matched the stiffness, strength, and deformation characteristics of the detailed FEM models while significantly reducing modeling time and computational effort.

In addition to research, I served as a teaching assistant for wood design, structural analysis, and capstone design courses. My responsibilities included leading tutorials, grading assignments, assisting with design reviews, and supporting students in applying structural engineering principles.

This experience strengthened my expertise in ETABS, nonlinear structural modeling, FEM concepts, and the behavior of wood lateral-force-resisting systems.

REPRESENTATIVE PROJECTS

My work at Western University provided progressive experience in advanced structural modeling, nonlinear analysis, wood structure behavior, and engineering communication. Over the course of the research program, I advanced from learning fundamental modeling techniques to independently developing validated FEM models and creating simplified numerical models suitable for engineering practice.

Development of Detailed FEM Models for LFW Systems:

The first phase of the research involved creating highly detailed finite element models of LFW shear walls and diaphragms. I modeled the orthotropic behavior of wood sheathing and studs, capturing directional stiffness properties. I incorporated nonlinear nail connection behavior using appropriate spring elements to simulate shear slip, withdrawal, and stiffness degradation. I also modeled the interaction between LFW components and surrounding structural elements to accurately represent load transfer and boundary conditions.

These detailed FEM models were validated against experimental data from full scale wall and diaphragm tests. Validation required engineering judgment in comparing load deformation curves, stiffness characteristics, failure modes, and energy dissipation behavior. This phase strengthened my understanding of wood structural behavior, nonlinear analysis, and FEM modeling principles.

Development of Simplified Numerical Models for ETABS:

The second phase focused on creating simplified numerical models that could replicate the behavior of the detailed FEM models while being practical for use by engineers designing LFW buildings. I developed nonlinear link based models in ETABS, assigning

calibrated stiffness, strength, and hysteretic properties to represent different wall configurations, including variations in stud spacing, nail patterns, sheathing layouts, and blocking conditions.

I conducted extensive parametric studies to ensure that the simplified numerical models accurately reproduced the global response, including lateral stiffness, shear capacity, deformation patterns, and load distribution. The simplified models achieved excellent agreement with the detailed FEM models, resulting in significant reductions in modeling time and computational effort. This work demonstrated the feasibility of implementing advanced LFW modeling techniques in standard structural engineering workflows.

Engineering Judgment and Model Calibration:

Throughout the project, I applied engineering judgment to interpret model behavior, evaluate discrepancies, and refine assumptions. I assessed the influence of material orthotropy, connection nonlinearity, and boundary conditions on system performance. I also developed procedures for selecting link properties based on wall/diaphragm configuration, enabling engineers to apply the simplified numerical modeling approach consistently.

Teaching Assistant Responsibilities:

In parallel with research, I served as a teaching assistant for wood design, structural analysis, and capstone design courses. I led tutorials, graded assignments, and supported students in applying engineering principles to real world design problems. In capstone courses, I assisted student teams in developing structural designs for bridges and buildings, reviewing their analysis models, load calculations, and design decisions.

These responsibilities strengthened my communication skills, reinforced my understanding of structural engineering fundamentals, and provided experience mentoring students through complex design tasks.

Progressive Development:

My responsibilities increased steadily throughout the program. I progressed from learning ETABS modeling techniques to independently developing validated FEM models, and ultimately to creating simplified numerical models suitable for engineering practice. I gained proficiency in nonlinear analysis, wood structural behavior, FEM concepts, and advanced modeling strategies.

Overall, my experience at Western University provided strong technical development in structural modeling, wood structure behavior, nonlinear analysis, and engineering communication—skills directly applicable to professional engineering practice.

MOHAMED SADEK (21-332-03)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

*Bruce Power Nuclear Facility
Ontario (Canada)
Structural Engineer - Team Lead
November 2022—April 2024*

*Verified by
Mustafa Siyam
siyamstructures.inc@gmail.com*

*Experience Summary
Full-Time
Engineering: 1 year, 5 months
Experience under licensed engineer:
1 year, 5 months*

TASKS

As a Structural Engineer at Bruce Power, 100% of my responsibilities involved engineering analysis, design, evaluation, and technical support for safety-critical nuclear structures and systems. I worked within the Bruce Power Engineering Change Control (ECC) process to support the refurbishment of multiple nuclear generating units.

My duties included performing structural analysis, evaluation, and design of concrete and steel elements supporting vault isolation systems and other components required during unit refurbishment. I conducted engineering assessments for modifications, load evaluations, and structural adequacy checks using hand calculations, Mathcad calculation sheets, Excel-based design tools, and structural analysis software including STAAD Pro, SAP2000, and ANSYS.

I also performed detailed analysis of existing station supporting systems—including slab-on-grade, suspended concrete slabs, concrete over metal deck systems, steel and concrete beams, columns, and lateral force-resisting systems—to verify their capacity under new loads introduced by refurbishment activities. These assessments required evaluating load paths, determining demand-to-capacity ratios, and identifying required structural upgrades.

I reviewed vendor engineering packages for technical accuracy and compliance with Bruce Power requirements, and I prepared engineering calculations, design notes, and technical justifications. I developed value-engineering proposals that improved constructability and reduced material and labor requirements for future vault isolation units, resulting in an estimated cost savings of approximately \$40M.

I prepared technical documents including design requirements, specifications, inspection plans, walkdown plans, and OPEX reports, and I prepared correspondence for the Canadian Nuclear Safety Commission (CNSC). I supported site engineering through field walkdowns, issue resolution, and clarification of design intent. I provided guidance to junior engineers and participated in continuous improvement of engineering procedures.

REPRESENTATIVE PROJECTS

My experience at Bruce Power provided progressive responsibility in the analysis, design, evaluation, and modification of safety-critical structures within a nuclear generating station. I supported the refurbishment of multiple units, working within the rigorous Bruce Power ECC process and applying nuclear-industry engineering standards.

Structural Analysis and Design for Vault Isolation Systems:

A major component of my work involved the analysis and design of structural elements supporting vault isolation systems used during unit refurbishment. I evaluated concrete and steel components subjected to gravity, thermal, construction, and operational loads. I performed structural adequacy checks, designed modifications, and ensured compliance with ASME, CSA, ACI, and nuclear-specific requirements.

These tasks required engineering judgment in selecting load cases, interpreting code provisions, and determining appropriate safety factors. I used a combination of hand calculations, Mathcad worksheets, Excel-based design tools, and structural analysis software (STAAD Pro, SAP2000, ANSYS) to verify structural performance and document engineering decisions.

Assessment of Existing Station Supporting Systems:

A significant portion of my work involved evaluating the capacity of existing structural systems to support new loads introduced by refurbishment activities. This included:

1. Slab-on-grade: bearing capacity, punching shear, subgrade modulus effects
2. Suspended concrete slabs: flexure, shear, deflection, vibration
3. Concrete over metal deck systems: composite action, diaphragm behavior
4. Steel and concrete beams: moment, shear, lateral-torsional buckling
5. Columns: axial load capacity, combined axial-flexural interaction
6. Lateral systems: shear walls, braced frames, diaphragm stiffness

These evaluations required developing structural models in STAAD Pro, SAP2000, and ANSYS, performing hand calculations to validate software results, and using Mathcad and Excel to document load combinations, demand-capacity ratios, and design checks. I assessed load paths, construction staging effects, and interactions between temporary and permanent structures.

Engineering Modifications and Technical Evaluations:

I completed engineering modifications for various in-house projects, including structural reinforcements, support systems, and temporary works. I prepared engineering calculations, design notes, and technical justifications. I reviewed vendor engineering packages for acceptance under the ECC process, ensuring technical accuracy, code compliance, and alignment with project requirements. I resolved technical questions from team members and provided guidance on calculation methodologies and design assumptions.

Value Engineering and Cost Savings:

I developed value-engineering proposals to improve the design of future vault isolation units (Units 5, 7, and 8). These proposals optimized structural configurations and construction sequencing, resulting in an estimated cost savings of approximately \$40M. This required evaluating alternative design approaches, assessing constructability, and performing comparative structural analyses using both hand calculations and software tools.

Technical Documentation and Regulatory Support:

I prepared design requirements, specifications, inspection plans, walkdown plans, and OPEX reports. I also prepared technical letters for submission to the Canadian Nuclear Safety Commission (CNSC). These documents required clear communication of engineering assumptions, design intent, and safety considerations.

Field Support and Coordination:

I supported site engineering through field walkdowns, issue resolution, and clarification of design details. I coordinated with multidisciplinary teams and participated in meetings related to project operations, internal issue resolution, and client communication. I managed deliverables required to progress projects through the ECC process.

Progressive Development:

Over time, I assumed greater responsibility in leading structural design tasks, reviewing work from junior engineers, and contributing to continuous improvement of engineering procedures. This progression strengthened my technical competence, engineering judgment, and understanding of nuclear-industry quality and safety requirements.

MOHAMED SADEK (21-332-03)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Jacobs
Oregon (United States)
Structural Engineer in Training
April 2024 – April 2026

Verified by
Juan C Mendoza
Juan.Mendoza2@jacobs.com

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



TASKS

As a Structural Engineer at Jacobs, 100% of my responsibilities involved engineering analysis and design for a large semiconductor manufacturing facility. I performed the design and analysis of both vertical and lateral force-resisting systems for the main FAB building, advanced structural analysis software including ETABS, SAFE, RAM Concept, RAM Structural System, SAP2000, STAAD Pro, S-Frame, S-Concrete, RAM Connections, RAM Elements, Hilti Profis, and IDEA StatiCA.

I developed detailed ETABS, SAFE, and RAM SS models to analyze gravity and lateral load paths, evaluate stiffness and stability, and design major structural components. My design responsibilities included concrete over metal deck systems, steel beams and columns, trusses, foundations, steel racks, stairs, landings, and canopies. I also designed the building's primary lateral system, including buckling-restrained braced frames (BRBFs), ensuring compliance with ACI 318, AISC 360, ASCE 7, and project-specific requirements.

In addition to design responsibilities, I served as the CSI ETABS and SAFE Software Steward for the structural engineering team. In this role, I provided technical support for modeling and design issues, developed modeling standards, and delivered training sessions for junior engineers to ensure consistent and accurate use of the software across the team.

I prepared engineering calculations, design notes, and coordinated with drafting teams to produce construction documents. My role required close coordination with architects, mechanical and electrical engineers.

This position strengthened my proficiency in structural modeling software, steel and concrete design, and the application of building codes to large industrial structures, while reinforcing engineering judgment in evaluating analysis results and selecting appropriate design assumptions.



REPRESENTATIVE PROJECTS

My work at Jacobs involved progressive responsibility in the analysis and design of major structural systems for a large semiconductor manufacturing facility. I contributed to the full structural design process, from modeling and analysis through construction support.

Advanced Structural Modeling and Analysis:

I developed comprehensive ETABS, SAFE, and RAM SS models to analyze the building's gravity and lateral load-resisting systems. These models were used to evaluate load paths, stiffness distribution, drift performance, and stability under wind and seismic loads. I supplemented these models with SAP2000, STAAD Pro, S-Frame, RISA, and ANSYS when specialized checks or alternative modeling approaches were required.

I used hand calculations, Mathcad sheets, and Excel spreadsheets to validate software results, perform code-based design checks, and document engineering assumptions. This combination of numerical modeling and manual verification ensured accuracy, reliability, and compliance with ACI 318, AISC 360, ASCE 7, and project-specific criteria.

Design of Structural Components:

I performed the design of:

1. Concrete over metal deck systems
2. Steel beams, girders, and columns

3. Buckling-restrained braced frames (BRBFs)
4. Steel trusses
5. Building foundations
6. Steel racks and equipment support structures
7. Stairs, landings, and canopies

These designs required evaluating flexure, shear, axial loads, stability, composite action, and connection behavior.

Foundation Engineering: Drilled Piers and Mat Foundations

A significant portion of my work involved the design and analysis of deep and shallow foundation systems, including:

i. Drilled Piers:

1. Vertical load capacity
2. Lateral load resistance using nonlinear p-y soil springs
3. Group effects and interaction between adjacent piers
4. Structural design for axial, flexural, and shear demands
5. Verification of pier-column load transfer and fixity conditions

ii. Mat Foundations:

1. Analysis of soil-structure interaction using SAFE and RAM Concept
2. Settlement and differential settlement checks
3. Punching shear around heavily loaded columns
4. Combined gravity, lateral, and equipment load evaluation
5. Reinforcement design and detailing for heavy industrial loads

These analyses required engineering judgment in selecting soil parameters, and interpreting geotechnical recommendations.

Lateral System Design and Seismic Performance:

I designed the building's primary lateral system, including BRBFs, and performed drift, strength, and stability checks. I evaluated diaphragm behavior, collector forces, and load transfer between frames and gravity systems.

Coordination:

I coordinated with architects, mechanical and electrical engineers to address interdisciplinary conflicts and ensure constructability. I prepared engineering calculations and design notes to support construction documents and design revisions.

Progressive Development:


Throughout the projects, I assumed increasing responsibility for modeling, design, and coordination tasks. I progressed from performing component-level design to analysis of major structural systems and resolving complex design challenges. This experience strengthened my technical competence in structural modeling, foundation engineering, steel and concrete design, and engineering judgment.

TAONIAN SHAN (19-778-77)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL


 Applying To **Nevada**

Application Type **Initial - PE**

Application Date **04/07/2026**

Citizenship **China**



SUMMARY

 Engineering Experience after EAC degree

Total Engineering Experience **3 years, 10 months**

Experience under licensed engineer **2 years, 5 months**

Disciplinary Action **None reported**

EDUCATION


 Bachelors in Civil Engineering (Unofficial Transcript)
Shanghai University
September 2011–July 2015

Masters in Civil Engineering
Syracuse University
August 2016–May 2018

Doctorate in Civil Engineering
Syracuse University
January 2019–August 2023



EXAMS

 Fundamentals of Engineering (FE)
California
June 2019

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

LICENSES

 Additional Licenses **None**

TAONIAN SHAN (19-778-77)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Department of Civil and Environmental
Engineering, Syracuse University
New York (United States)
Teaching Assistant
August 2019—May 2022

Verified by
Eric M Lui
emlui@syr.edu

Experience Summary
Part-Time
Engineering: 1 year, 5 months (50%)
Experience under licensed engineer:
None



TASKS

During my teaching assistantship, I supported core undergraduate civil engineering courses—including Mechanics of Materials, Structural Analysis, and Senior Design—by applying engineering principles to explain structural behavior, load paths, material response, and design methodologies. I led weekly recitation and computer lab sessions, delivered lectures on selected topics, and assisted with course preparation. My responsibilities included guiding students through engineering analysis and design processes, evaluating design projects for accuracy, code compliance, and soundness of structural decisions, and preparing detailed solution sets for assignments and exams. I collaborated with faculty to refine course content to align with ABET civil engineering learning outcomes.

In addition, I supported graduate-level structural engineering courses such as Prestressed Concrete Design, Structural Dynamics, and Earthquake Engineering by grading advanced analytical assignments and clarifying concepts related to dynamic loading, seismic design, and structural behavior. I also held weekly office hours to mentor students on problem formulation, analytical modeling, interpretation of results, and the application of engineering judgment.



REPRESENTATIVE PROJECTS

- Senior Capstone Design Projects: In my role supporting structural and civil engineering instruction, I guided multiple senior capstone design teams through comprehensive engineering projects, including the design of a mid-rise reinforced concrete building in Queens, NY; rehabilitation strategies for a steel girder bridge in Syracuse, NY; and site planning efforts such as improvements to Syracuse University's South Campus parking and transit systems and the Schine Student Center renovation. I evaluated final design packages for technical accuracy, constructability, and compliance with applicable codes and engineering standards.
- Prestressed Concrete Girder Analysis: I assisted students with prestressed concrete girder and slab design, including stress analysis, prestress loss calculations, serviceability checks, and ultimate strength evaluation in accordance with ACI 318 and PCI provisions.
- Structural Dynamics and Earthquake Engineering: I supported coursework in Structural Dynamics and Earthquake Engineering by helping students perform modal analysis, response spectrum evaluation, and seismic load calculations per ASCE 7, while verifying modeling assumptions and analytical results.
- Structural Analysis Problem Sets: I reviewed and graded structural analysis problem sets involving indeterminate structures, influence lines, matrix stiffness methods, and deflection calculations, preparing detailed solution sets to reinforce proper application of structural theory.
- Engineering Software Instruction: My responsibilities included leading engineering software labs using tools such as Mathcad, SAP2000, RISA-3D, Mastan2, and Abaqus, where I guided students in developing analytical models, interpreting software output, and validating results using theoretical principles and engineering judgment.

TAONIAN SHAN (19-778-77)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Creighton Manning, a GAI Company
New York (United States)
Assistant Project Engineer (Structures
Group)
October 2023—March 2026

Verified by
Lucas E Thompson
lthompson@cmellp.com

Experience Summary
Full-Time
Engineering: 2 years, 5 months
Experience under licensed engineer:
2 years, 5 months

TASKS

As an Assistant Project Engineer in the Structures Group, I performed structural analysis and design for bridge rehabilitation and replacement projects and exercised engineering judgment in evaluating structural systems and developing practical design solutions. I analyzed existing site conditions and designed superstructure and substructure elements, including girders, decks, abutments, and piers, in accordance with the design specifications of the American Association of State Highway and Transportation Officials. I performed bridge load rating analyses to determine the load-carrying capacity of existing structures and to identify strengthening or replacement requirements. I developed analytical models and applied engineering judgment in evaluating structural behavior using AASHTOWare Bridge Rating and RISA-3D to assess load distribution, member stresses, and structural performance under various load combinations. I developed and documented engineering analyses through bridge design reports, structural calculations, and detailed construction packages including plans, specifications, and cost estimates. I also developed roadway and bridge geometry models using OpenRoads Designer to coordinate bridge layouts with roadway alignments and site constraints. During construction, I performed engineering review of support of excavation, demolition procedures, and girder erection plans to ensure structural stability and compliance with design intent. I also reviewed contractor submittals and evaluated contractor-proposed adjustments and alternative solutions to address field conditions while maintaining project schedule and design quality under the supervision of a licensed professional engineer.

REPRESENTATIVE PROJECTS

- Rt 11 over Tioughnioga River Bridge Replacement – Whitney Point, NY
I served as the design engineer for temporary works and construction-stage engineering on a three-span steel girder bridge replacement. My responsibilities included designing the detour bridge substructure, support of excavation, and pier cofferdams. I performed girder stability checks, rigging analysis, and crane/excavator capacity evaluations for demolition and erection operations. I developed RISA models to evaluate temporary and permanent load cases and verified member capacities per AASHTO LRFD. I also revised erection bracing layouts to reduce unbraced lengths and improve girder stability during picks.
- Rt 11 over Oneida River Bridge Replacement – Cicero & Hastings, NY
I engineered temporary structures and construction sequencing for a three-span bridge with a truss main span. My work included design of temporary bridge structures, GRSS abutments, cofferdams, and SOE systems for staged construction. I developed demolition sequencing for the existing superstructure and designed erection procedures for new girders and the truss span, including barge-supported tower sliding operations. I performed stability checks and created RISA models to evaluate construction-stage load paths and member behavior.
- CR61 over Coxsackie Creek Bridge Replacement – Coxsackie, NY
I completed the preliminary and final design of a single-span rolled girder bridge with semi-integral abutments. My responsibilities included girder design using AASHTOWare and abutment design per AASHTO LRFD. I prepared the design report and roadway/bridge layout using OpenRoads. I optimized girder spacing and section sizes to reduce steel tonnage while meeting strength, serviceability, and constructability requirements.
- CR2 over Little West Kill Culvert Replacement – Prattsville, NY
I designed a precast concrete box culvert replacement, developing the culvert layout to meet NYSDOT Bridge and Highway Design Manual criteria and match existing site constraints. Using OpenRoads, I modeled alignment, profile, roadway templates, corridor, terrain, and excavation. I coordinated hydraulic and geometric requirements and refined the culvert skew to reduce wingwall length and overall construction cost.
- Bridge Load Rating Analyses – Multiple Locations
I performed load ratings for concrete arch, steel girder, concrete slab, and pedestrian suspension bridges. My work included reviewing DOT inspection reports and field measurements, developing structural models, and evaluating capacities per AASHTO MBE. I analyzed design, legal, and permit loads and prepared rating reports with recommendations for posting, maintenance, or rehabilitation.

TAONIAN SHAN (19-778-77)

All work experience reviewed by two licensed professionals

ADDITIONAL INFORMATION



TIME GAPS

Start Date	End Date	Explanation
August 2015	July 2016	During this period, I completed an internship at Shanghai Construction Group Co., Ltd. in China. This internship did not qualify as engineering experience for licensure purposes.
June 2018	December 2018	I completed one semester of study at Clarkson University but withdrew due to a family leave before continuing my Ph.D. at Syracuse University.

ANDREW SHEHTANIAN (20-433-17)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
05/05/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree
5 years, 4 months

Total Engineering
Experience
5 years, 4 months

Experience under licensed
engineer
5 years, 4 months

Disciplinary Action
None reported



EDUCATION



Bachelors in Civil Engineering (EAC)
University of California, Davis
September 2016–June 2020

EXAMS



Fundamentals of Engineering (FE)
California
September 2019

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



LICENSES



Additional Licenses
None

ANDREW SHEHTANIAN (20-433-17)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Ashley & Vance Engineering Inc.
Nevada (United States)
Design Engineer
January 2021 – May 2026

Verified by
Jordan Denio
jordan@ashleyvance.com

Experience Summary
Full-Time
Engineering: 5 years, 4 months
Post EAC degree: 5 years, 4 months
**Experience under licensed engineer:
5 years, 4 months**

TASKS

I prepare plan documents for the construction of wood, steel, and masonry structures. I calculate framing, lateral systems, and foundation systems for structures. Within the plan documents, I specify material requirements and recommend structural inspections and observations. When necessary, I do inspections of foundations or structural framing in the field.

I also recommend changes to clients, architects, and contractors to improve structural performance or cost efficiency.

REPRESENTATIVE PROJECTS

Magness A-Frame: Wood A-frame single-family home at 488 Mount Evans Blvd. in Pine, CO (June 2021 – November 2021)
This project was an A-frame, so it wasn't a typical wood-framed home. On this project, I used the 2018 IBC, ASCE 7-16, and the 2018 NDS and SDPWS. The architecture prevented collar ties in much of the building, so I designed the floor framing to handle the outward thrust that came as a result of the framing. I calculated the floor framing for bending and tension forces, and I detailed proper hardware to transfer these thrust forces from the roof framing into the floor framing. The roof framing was also the wall framing, so I designed the roof sheathing to be both the roof diaphragm and the shearwalls. I also designed the shear transfer from the roof, through the floor, and into the foundations.

Kiper Residence: Single-family wood-framed home at 56 Moana Circle in Tahoma, CA (May 2022- July 2025)
Kiper Residence was a large high end home in the Lake Tahoe region under the jurisdiction of the TRPA. I designed the layout of framing, shearwalls, and foundations for this project; did the requisite calculations to meet building code requirements specified in the 2022 CBC, ASCE 7-16, AISC, and ACI; and drafted the final plan set. I calculated snow loads, wind, and seismic loads in design, using local design values. I recommended bent steel beams to frame out a dormer at a vaulted ceiling.

3707 South Main - 3-story CMU Building at 3707 South Main Street in Los Angeles (June 2024 – May 2025)
This project's plot was sold, and the building was never built; however, the initial design documents were completed and provided to the architect/client. I used the 2022 CBC, ASCE 7-16, and TMS 402/602 to design this project. I calculated out of plane anchorage of CMU as well as designed 3-story CMU shearwalls. I also calculated the story drift of the building since we were limited by distance to the property line. I recommended increasing the width of the CMU shearwalls to meet story drift requirements.

Dabney Residence - CFS-framed single-family home at 3244 Dabney in Altadena, CA (July 2025 – February 2026)
This project was a small, cold-formed steel residence built in wake of the destructive fires in Los Angeles. In this project, I used the 2022 CBC, ASCE 7-16, and AISC guidelines. I used SSMA values to calculate strength of the prefabricated steel components as well as using CFS-specific hardware for construction. I designed the layout of the framing and shear system, and I calculated the loading so that I could accurately specify the steel framing. The framer gave me the standard sizes that they use, and I recommended which steel sizes to use in each location.

33 Palm Retrofit - Retrofit of URM building at 33 South Palm Street in Ventura, CA (November 2024 – December 2025)
This project required using the 2022 California Existing Building Code or "CEBC" to fulfil retrofitting requirements for a URM building in an area with high seismic activity in coastal California. The state of the URM did not allow me to use it for shear, so I recommended shotcrete walls to carry the seismic loads. I calculated the gravity and seismic forces, and I used standard values from the CEBC for design of URM anchorage and to determine allowable span heights. I designed steel columns, beams, and concrete walls and beams as required where the URM was not adequate. Errors during construction also led to a portion of URM wall collapsing. I made recommendations on the shoring design as well as repairs.

ANDREW SHEHTANIAN (20-433-17)

All work experience reviewed by two licensed professionals

ADDITIONAL INFORMATION



TIME GAPS

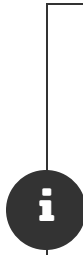
Start Date	End Date	Explanation
July 2020	December 2020	This period was directly after graduation, and I was still interviewing for engineering jobs as a new graduate.

JUSTIN THOMPSON (15-026-48)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
04/30/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree
8 years

Total Engineering
Experience
8 years

Experience under licensed
engineer
8 years

Other Experience

Disciplinary Action
None reported



EDUCATION



Bachelors in Environmental Resources Engineering (EAC)
Humboldt State University
January 2011–December 2014

EXAMS



Fundamentals of Engineering (FE)
California
May 2014

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



LICENSES



Additional Licenses
None

JUSTIN THOMPSON (15-026-48)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Arcadis
California (United States)
Civil Engineer I
July 2015–August 2017

Verified by
Jacob Victoran Collins
jakeclns@gmail.com

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



TASKS

Performed field engineering during UST removal and AST installation projects at multiple LA Metro facilities. Verified contractor compliance with civil design plans, construction specifications, and environmental regulations, including stormwater pollution prevention requirements. Conducted SWPPP inspections, monitored BMP implementation, and prepared detailed erosion and sediment control reports. Collected and analyzed soil samples for contamination assessment and developed remediation strategies. Assisted with hydraulic modeling and evaluated treatment systems to support environmental compliance. Contributed to the preparation and submission of permit packages and regulatory documentation. Prepared and verified as-built drawings for various Metro Division facilities.



REPRESENTATIVE PROJECTS

AST/UST Repairs, Removals, and Replacements – LA Metro Bus Facilities, Los Angeles County, CA (2015–2017)

As a design and field engineer under the supervision of a licensed Civil Engineer, I performed field engineering at multiple LA Metro fixed transit service facilities throughout Los Angeles County during UST removal and AST installation projects. The projects involved ASTs ranging in size from 250 to 1,000 gallons, storing hydraulic fluid and diesel fuel. I evaluated regulatory codes governing UST removal and AST installation, identified existing systems requiring updates to meet current code requirements, and verified contractor compliance with civil design plans, construction specifications, and environmental regulations. I conducted SWPPP inspections, monitored BMP implementation, and prepared detailed erosion and sediment control reports. I identified a fire code violation where an indoor-rated AST had been specified for outdoor use without adequate weather and fire protection. I recommended installing an overhead canopy and emergency venting system to achieve fire safety code compliance, which avoided costly tank replacement and schedule delays. I evaluated site constraints including access limitations and underground utility conflicts, and I redlined a revised tank pad location to optimize constructability and regulatory compliance. I developed as-built drawings, flagged deficiencies for corrective action, coordinated design revisions with project managers, and submitted daily field reports and SWPPP documentation to the supervising licensed engineer.

Division 9 Recycled Water System for Bus Wash – El Monte, CA (2016–2017)

As a field and design engineer under the supervision of a licensed Civil Engineer, I supported the civil infrastructure upgrade and environmental compliance evaluation for a recycled water system at the LA Metro Division 9 bus wash facility. Over a four-month period, I conducted overnight flow monitoring at the facility to collect detailed water usage and wash cycle data. I calculated potential water savings based on the monitored flow data and compared them against local water rates as part of a formal feasibility and cost-benefit analysis. Based on my analysis, I recommended implementation of a recycled water system to replace existing potable water supply for bus washing operations. I assisted with hydraulic modeling and evaluated treatment systems to support the recommended design. I prepared and submitted supporting permit packages and regulatory documentation.

JUSTIN THOMPSON (15-026-48)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Arcadis
California (United States)
Civil Engineer II
August 2017—July 2018

Verified by
Mahe Zein
Mahe.Zein@gmail.com

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



TASKS

Performed engineering analysis to support excavation and soil export for the Patsaouras Plaza pedestrian bridge at LA Union Station.
Calculated soil volumes using field measurements and survey data to determine export quantities and manage truck hauls.
Provided haul route, staging, and sequencing recommendations to improve site logistics. Oversaw AQMD compliance by deploying VOC and dust monitors, adjusting placement based on wind conditions and site layout. Coordinated with contractors to implement dust control measures, documented mitigation efforts, and maintained environmental logs for regulatory reporting.
Ensured efficient and compliant earthwork operations during critical excavation phases.



REPRESENTATIVE PROJECTS

Patsaouras Transit Plaza – Pedestrian Bridge Excavation and Soil Export – Los Angeles Union Station, Los Angeles, CA (2017–2018)
As a field engineer under the supervision of a licensed Civil Engineer, I performed engineering analysis to support excavation and soil export operations for the Patsaouras Plaza pedestrian bridge foundation at Los Angeles Union Station. The project involved active earthwork operations exporting approximately 20 truckloads of soil per day during peak excavation phases. I independently calculated soil cut/fill and export volumes using field measurements and survey data to determine export quantities and manage truck haul scheduling. I evaluated site conditions and recommended haul routes, staging areas, and truck sequencing plans to optimize site logistics and reduce operational impacts. I identified non-compliant construction debris in soil stockpiles during excavation and instructed the contractor to segregate material in accordance with geotechnical and regulatory standards. I managed AQMD compliance by strategically deploying VOC and dust monitors based on site layout and prevailing wind conditions, adjusting monitor placement as conditions changed. When particulate levels neared regulatory thresholds, I directed immediate mitigation actions including deploying water trucks and temporarily pausing excavation operations. I maintained environmental compliance logs, coordinated dust control measures with the contractor, and prepared regulatory documentation throughout the project.

JUSTIN THOMPSON (15-026-48)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Bureau of Reclamation
California (United States)
Hydraulic Modeler
September 2019—September 2020

Verified by

Experience Summary

Full-Time

Other: (0%)

**Experience under licensed surveyor:
None**



TASKS

Worked Closely with the California Department of Water Resources in using a model called CALSIM which is an operations/planning model that depicts river system management. Wrote computer code to represent new or modified operations and ran the models to verify results based on logical expectations.



REPRESENTATIVE PROJECTS

The results of my analyses informed Reclamation managers as they considered new facilities or project operations for water supply reliability, hydropower generation, and satisfaction of environmental criteria.

JUSTIN THOMPSON (15-026-48)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Indian Wells Valley Water District
California (United States)
Associate Engineer
April 2021 – April 2026

Verified by
Renee Morquecho
reneem@iwwwd.com

Experience Summary
Full-Time
Engineering: 5 years
Post EAC degree: 5 years
Experience under licensed engineer: 5 years



TASKS

I conduct detailed engineering plan checks for new water distribution systems and mainline extensions to ensure compliance with approved plans, specifications, and District standards. I lead construction inspections to verify quality and conformance, review technical submittals and contracts, and prepare comprehensive engineering reports supporting regulatory compliance. I analyze groundwater production data, design site improvements such as utility alignments, grading, and concrete pads, and maintain standard drawings and CAD files in accordance with District standards. I develop accurate engineering cost estimates for in-house projects to support budget planning and funding projections, and I coordinate with other departments to align engineering efforts with District goals. I have performed independent design work for water distribution pipelines and drainage infrastructure, including conducting utility surveys, establishing control points, drafting alignment options in CAD, developing construction drawings from topographic survey data, and issuing plan sets for internal construction. I have also served as project manager for large-scale transmission main replacement work, managing design coordination, contractor submittals, RFIs, change orders, cost estimates, bid packages, and permit applications.



REPRESENTATIVE PROJECTS

Well Site 35 Emergency Generator Pad – Ridgecrest, CA (2021–2022)

As a field and design engineer working under the Chief Engineer with minimal supervision, I designed a reinforced concrete foundation pad to anchor an emergency mobile generator at Well Site 35. I applied ASCE 7-16 loading standards and site-specific geotechnical data to ensure the structural and seismic stability of the foundation design. I calculated bearing loads, determined pad dimensions and reinforcement requirements. I recommended the final design to the Chief Engineer, who reviewed and approved the submittal for construction.

Gateway Booster Station and New Reservoir Construction – Ridgecrest, CA (2022–2024)

As a field engineer working under the Chief Engineer, I supported the design review and construction oversight of a major water storage and distribution infrastructure project consisting of three new reservoir tanks and a booster station constructed under a single project. The project included two 1.0-million-gallon (MG) welded steel reservoirs at the Gateway and C-Zone sites and one 0.5-million-gallon reservoir at the College site, totaling 2.5 MG of new water storage capacity, along with a new booster station at the Gateway location. I reviewed construction drawings and technical submittals to verify conformance with approved plans, District standards, and regulatory requirements. I conducted field inspections to assess existing infrastructure conditions and verify construction quality and compliance throughout all three sites. I identified technical issues in the field and recommended engineering solutions to resolve constructability challenges and design discrepancies. I coordinated with the contractor and internal District staff to ensure construction aligned with design intent and project objectives, and I prepared engineering reports documenting compliance and field conditions throughout the duration of the project.

Karin/Gold Canyon Pipeline Replacement and Ridgecrest Heights Reservoir Drainage Channel – Ridgecrest, CA (2023–2024)

As the lead designer working under the technical guidance of a licensed Civil Engineer employed by the City of Ridgecrest, I independently designed an 8-inch water distribution pipeline and a stormwater drainage channel for reservoir overflow at a District owned facility. I conducted utility surveys and worked with established control points to create an accurate base map, then developed multiple alignment options in CAD based on existing site conditions. I calculated a hydraulic profile with proposed pipe depths to ensure compliance with code-required utility clearances, including a minimum 10-foot horizontal separation from sewer lines and required clearances from underground electrical and gas utilities. For the drainage channel, I conducted a detailed topographic survey, imported the data into CAD, and calculated cut and fill volumes required to grade a drainage path away from the reservoir overflow outlet in compliance with State Water Board requirements.

NW Transmission Line Replacement Project – Ridgecrest, CA (2024–Present)

As project manager working under the guidance of two licensed Civil Engineers, including the District's General Manager, I

managed the design and construction of a transmission main replacement project that has grown to over 4.5 miles, involving the removal of an existing 30-inch CMLC and its replacement with 24-inch PVC. I reviewed consultant construction drawings, provided redlines to correct alignment and valve spacing issues, and rejected pipe material submittals that failed to meet AWWA standards and contract specifications. I identified a utility conflict during trench excavation in a congested corridor and recommended using Fusible PVC within a steel casing to avoid costly deep excavation and minimize surface disruption. I analyzed potential system failures and hydraulic impacts, then recommended extending pipeline replacement segments to enhance overall system reliability. I presented these recommendations to the District Board, which resulted in additional funding approval and an expanded project scope. I prepared cost estimates, bid packages, technical memos, and permit applications, and I processed RFIs and reviewed change orders throughout construction. I coordinated daily with contractors, consultants, and internal District staff to ensure construction aligned with engineering standards and project objectives.

JUSTIN THOMPSON (15-026-48)

All work experience reviewed by two licensed professionals

ADDITIONAL INFORMATION



TIME GAPS

Start Date	End Date	Explanation
June 2005	December 2010	Junior college and college
January 2015	June 2015	Post college applying
August 2018	August 2019	Break before next employment
October 2020	March 2021	Applying for Civil Engineering Work

Electrical

ANDREW BUCHANAN (21-617-48)

All work experience reviewed by two licensed professionals

DISCIPLINE: ELECTRICAL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
04/22/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree
4 years, 8 months

Total Engineering
Experience
5 years, 4 months

Experience under licensed
engineer
5 years, 4 months

Other Experience

Disciplinary Action
None reported



EDUCATION



Bachelors in Electrical Engineering (EAC)
University of Nevada, Las Vegas
January 2016–December 2020

EXAMS



Fundamentals of Engineering (FE)
Nevada
April 2024

Principles and Practice of Engineering (PE)
Electrical & Computer
Nevada
February 2026



LICENSES



Additional Licenses
None

ANDREW BUCHANAN (21-617-48)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Vons
Nevada (United States)
Courtesy Clerk
June 2012—July 2014

Verified by

Experience Summary

Part-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

ANDREW BUCHANAN (21-617-48)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Smiths
Nevada (United States)
Non-Foods Clerk
July 2014—August 2015

Verified by

Experience Summary

Part-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

ANDREW BUCHANAN (21-617-48)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Nestle
Nevada (United States)
Merchandiser
August 2015—July 2016

Verified by

Experience Summary

Part-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

ANDREW BUCHANAN (21-617-48)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Mars
Nevada (United States)
Guest Experience
July 2016—April 2018

Verified by

Experience Summary

Part-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

ANDREW BUCHANAN (21-617-48)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Cafe Rio
Nevada (United States)
Dish Washer
April 2018—August 2018

Verified by

Experience Summary

Part-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

ANDREW BUCHANAN (21-617-48)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Merrill Gardens
Nevada (United States)
Server
August 2018—February 2020

Verified by

Experience Summary

Part-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

ANDREW BUCHANAN (21-617-48)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Stantec
Nevada (United States)
Electrical Intern
February 2020—December 2020

Verified by
Robert Scott Frink
rsfrink@yahoo.com

Experience Summary
Part-Time
Engineering: 8 months (75%)
Experience under licensed engineer:
8 months



TASKS

I regularly reviewed contractor's construction submittals for conformance with design documents, codes, and specifications. I sized an electrical room to house an MCC, low and medium voltage panels, PLC, and transformers. I completed electrical designs (plans and specifications) for low and medium voltage power for various loads, including pumps, fans, HVAC units, lighting panels, distribution panels, and other miscellaneous loads inside and outside pumping plants. I prepared specifications for panelboards, circuit breakers, cables, raceways, and pull boxes. I calculated and sized cable, conduit, raceways, pull boxes, load drop, heat loss, cable tray fill, and conduit fill for multiple loads. I designed cable and conduit routing on plan views in sufficient detail for construction.



REPRESENTATIVE PROJECTS

February 2020-December 2020

Rome Pumping Station

28-million-gallon per day (MGD) Rome Pump Station and 10-million-gallon (MG) Reservoir-Design of medium and low voltage electrical for the pump station and reservoir. I performed all the design and calculations for all low voltage raceway systems, including conduit routing, panel scheduling, cable tray and duct bank fill analysis, and comprehensive voltage drop evaluations for the entire pumping station.

February 2020-April 2020

WPCF Security Project

Design of additional security cameras to existing network at a main wastewater treatment plant. Cameras will provide additional coverage to improve the security profile along with a series of miscellaneous improvements like security lighting on the perimeter of the plant. I evaluated existing camera coverage and added new camera sightlines on plan views. I performed voltage drop analysis, conduit fill calculations, and pull box sizing for the low voltage duct bank that powers perimeter security lighting.

June 2020-August 2020

Central Reservoir and Carlton

I designed and sized an analyzer cabinet to record residual chlorine and pH in the existing drinking water reservoirs.

ANDREW BUCHANAN (21-617-48)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Merrill Gardens
Nevada (United States)
Server
April 2021 – August 2021

Verified by

Experience Summary

Part-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

ANDREW BUCHANAN (21-617-48)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Wunderlich-Malec Engineering
Nevada (United States)
Controls Engineer
August 2021 – April 2026

Verified by
Steven Mark Jones
steve.jones@wmeng.com

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

TASKS

My duties are centered on engineering analysis and the design of control systems for a large wastewater treatment facility. I play a large roll in plant maintenance. I am responsible for evaluating how equipment, instrumentation, and control logic interact during operating conditions. I improve system reliability, operator usability, and compliance with plant standards by reviewing PLC logic to diagnose unexpected behavior. I identify flaws in control logic and determine where the program can be changed to support stable process performance and safety.

I design new logic for process enhancements, efficiency improvements, and HMI screens to create a user-friendly SCADA system. I analyze alarm performance, triggers, setpoints, and logic to improve diagnostic value and reduce unnecessary operator load. I create and update standards for the client's SCADA application as well as internal SOPs. I regularly deploy these enhancements to a live production environment where I apply engineering judgment and best practices to ensure reliability and safety.

Across all duties, I validate changes through functional testing, field observation, and coordination with operations staff. I ensure that updated logic, alarms, and interfaces behave as intended. I verify that all my process changes support safe equipment operation and meet plant requirements.

REPRESENTATIVE PROJECTS

Automation Enhancements
August 2021 - April 2024

I analyzed process behavior and redesigned PLC control logic to implement operator requests and optimize process performance. I developed and modified SCADA HMI screens, alarms, and control interfaces to accurately represent process conditions and support safe operator workflows. I designed a Power Loss Restart Sequence to ensure safe recovery after power interruptions by evaluating process dependencies, establishing restart priorities, and designing overview HMI screens of priority equipment. I integrated new instrumentation by interpreting P&IDs and field conditions to determine scaling, alarming, and logic requirements. I validated control changes through testing and coordination with operations to ensure safe, reliable, compliant deployment.

Plant Support
August 2021 - April 2026

I frequently evaluate PLC control logic across multiple process areas to identify deficiencies, unexpected equipment behavior, and issues affecting process reliability. I adjust motor startup control, setpoint ranges, and PID parameters to maintain stable and safe operation under varying conditions. I regularly redesign PLC logic to resolve recurring equipment control failures by analyzing interlocks, permissives, and sequence logic. I optimize alarm trigger setpoints and update control strategies along with HMI descriptions to improve operator awareness and accurately reflect system behavior in normal and abnormal modes. I validate logic updates through field checks and coordination with operations to ensure safe, reliable performance.

Tech Memo Implementation
August 2022 - April 2023

I reviewed sequence control logic, control strategies, PLC programming, and loop diagrams across three major process areas to verify alignment between documented standards and actual system behavior. I identified discrepancies and opportunities for improvement in control logic, programming standards, and workflow documentation. I implemented these logic updates to correct inconsistencies and enhance system performance. I updated technical memorandums, control strategies, SCADA standards, and best practices for HMI design to reflect accurate and up to date information. I validated control changes with operations to confirm documentation and logic were accurate, safe, and compliant. I applied engineering judgment throughout the revision process.

Alarm Optimization

May 2024 - April 2025

I analyzed historical SCADA alarm data to identify nuisance alarms and determine deficiencies in control logic and instrumentation that triggered these excessive alarms. I developed SQL queries to group alarms by frequency and severity and collaborated with operations to confirm intended alarm behavior before redesigning alarm triggers and associated control logic. I validated revised alarm logic through field observation and confirmed correct setpoints while maintaining safe equipment operation and plant standards. I balanced process variability, equipment protection, and operator awareness to improve overall alarm reliability.

Wonderware 2023 SCADA Enhancements

May 2024 - April 2025

I designed a new HMI application built using AVEVA System Platform 2023 and Operations Management Interface for a large wastewater treatment plant to replace their previous application built on Wonderware 2014 and InTouch. In making this transition, I was able to develop application layouts, HMI screens, navigation hierarchy, alarms, and object template structure changes to improve usability and compliance. I designed and verified alarm runtime banner behavior to ensure consistency with the legacy system. I developed standards for process line animations, including color coding and scripting rules, and updated equipment status with color indication to improve operator situational awareness. I designed overview screens using P&IDs, drawings, and field walkdowns to ensure spatial accuracy. I aligned the upgraded system with plant standards to improve operator clarity and maintain reliability.

SCADA Optimization

April 2025 - April 2026

I analyzed and redesigned PLC Derived Function Block Types and System Platform templates to improve alarm stability, diagnostics, and operator usability. I updated SOPs for maintaining and deploying the Control Expert library. I also redesigned DFBs for motors, valves, gates, multidevice controllers, process instruments, and sequence logic controllers to ensure consistent behavior and alignment with plant standards. I conducted functional testing under normal and abnormal conditions to validate automation commands, manual control, out of service modes, alarm execution, interlocks, and fault handling. I evaluated alarm behavior through a development environment in combination with the SCADA HMI. I implemented and designed DFB changes to support operator requests and enhancements beyond normal maintenance. I improved system reliability and diagnostics while ensuring safe deployment of updates in the live environment.

DAKOTA DREYER (16-260-12)

All work experience reviewed by two licensed professionals

DISCIPLINE: ELECTRICAL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
04/24/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree
9 years, 10 months

Total Engineering
Experience
10 years, 5 months

Experience under licensed
engineer
6 years, 7 months

Other Experience

Disciplinary Action
None reported



EDUCATION



Bachelors in Electrical Engineering (EAC)
University of Nevada, Reno
January 2013–May 2016

EXAMS



Fundamentals of Engineering (FE)
Nevada
April 2024

Principles and Practice of Engineering (PE)
Electrical & Computer
Nevada
March 2026



LICENSES



Additional Licenses
None

DAKOTA DREYER (16-260-12)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Carlson Construction
South Dakota (United States)
Roller Operator
June 1997—August 1997

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

DAKOTA DREYER (16-260-12)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Nevada Mental Health Institute
Nevada (United States)
Mental Health Tech
September 1997 – May 1998

Verified by

Experience Summary

Part-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

DAKOTA DREYER (16-260-12)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Carson Station Pizza & Pasta
Nevada (United States)
Waiter
June 1998—April 1999

Verified by

Experience Summary

Part-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

DAKOTA DREYER (16-260-12)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

*Southern Plains Behavioral Health
Services
South Dakota (United States)
Health Tech
May 1999—December 2000*

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

DAKOTA DREYER (16-260-12)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Que's Billiards
Nevada (United States)
Bartender
January 2001 – March 2003

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

DAKOTA DREYER (16-260-12)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Wild Island Coconut Bowl
Nevada (United States)
Bartender
March 2003—May 2006

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

DAKOTA DREYER (16-260-12)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Diamond Dolls
Nevada (United States)
Bartender
May 2006—June 2008

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

DAKOTA DREYER (16-260-12)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Sierra Surgery Center
Nevada (United States)
IT Technologist
June 2008—December 2012

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

DAKOTA DREYER (16-260-12)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Sierra Controls, LLC
Nevada (United States)
Project Engineer IV
October 2015—August 2021

Verified by
Dallas Andrew Ward
andreww@sierracontrols.com

Experience Summary
Full-Time
Engineering: 5 years, 10 months
Post EAC degree: 5 years, 3 months
Experience under licensed engineer:
2 years

TASKS

Tasks and Duties

I designed industrial and municipal electrical control systems for water, wastewater, irrigation, and communication facilities. My work included preparing control panel layouts, wiring diagrams, point-to-point interconnection drawings, and control schematics; selecting power and control components; and developing design packages for fabrication and installation. I made engineering decisions regarding control architecture, panel configuration, component selection, instrumentation integration, and communication methods based on project requirements and field conditions.

I programmed PLCs, OITs, and HMIs for wells, tank monitoring systems, pump stations, gates, and radio communication systems. I developed control logic, alarm and status functions, operator interface screens, and communication interfaces for integration with field instrumentation and remote monitoring systems. I tested and debugged control sequences in the shop and field, and I performed startup and commissioning to verify proper operation of motors, actuators, generators, instrumentation, and related electrical equipment.

I also provided field engineering support for existing facilities by troubleshooting electrical and control system problems and recommending corrective actions. This included diagnosing failures in control panels, instrumentation, communication systems, and programmed control functions, then modifying designs or logic as needed to restore reliable operation and maintain consistency with project requirements and owner standards.

REPRESENTATIVE PROJECTS

Washoe County Lift Station Rehabilitation Project – Washoe County, Nevada (2019-2021)

I assisted in designing electrical control system upgrades for 13 wastewater lift stations in Washoe County, Nevada, as part of the Lift Station Rehabilitation Project. My work included designing bubbler level transducer panels, PLC control panels, communication systems, and the associated control architecture for each site, as well as developing PLC and OIT programming for lift station monitoring, alarm functions, pump control, and operator interface. I prepared and coordinated the control system design so the upgraded equipment could be integrated into the County's existing wastewater infrastructure and remote monitoring requirements. I also oversaw portions of the installation, startup, and commissioning for several sites, where I verified field wiring, tested control sequences, troubleshot programming and communication issues, and confirmed proper operation of the rehabilitated lift station control systems.

Washoe County PRV Flow Vault Rehabilitation Project – Washoe County, Nevada (2019-2021)

I designed control system upgrades for PRV flow vault rehabilitation sites in Washoe County, including new RTUs, communication system updates, and revised programming for site monitoring and control. I coordinated integration of the upgraded sites with the County's main HMI/SCADA system and supported startup and commissioning to verify communications, control functions, alarms, and proper system operation.

La Planada Recharge Basin Pump Station – Merced, California (2019-2020)

I assisted in the design of the control system for the La Planada Recharge Basin Pump Station for the Merced Irrigation District, including an RTU-based pump controller for operation of pumps transferring water from the irrigation canal to the groundwater recharge basin. I supported the control and communication design for level sensor input, gate control, VFD speed control, monitoring, and alarm functions, and I coordinated integration of the site back to the District's main HMI system. I also supported installation and commissioning to verify proper operation of the pump station controls and communications.

Ely Conservation Camp Remote Water System Controls (2017-2019)

Designed a well pump controller RTU and a tank monitoring RTU for Ely Conservation Camp to automate operation of the site water system. Developed the control design, selected hardware, and integrated high-speed 900 MHz Ethernet radios for communication between the well house and tank site. Worked with Sierra Controls during shop fabrication of the RTU panels,

then performed field installation, startup, and commissioning. Verified control operation, communications, and system functionality to ensure reliable automated water system performance.

Clear Creek Tank and Well House Communication upgrade project (2015-2016) I performed radio surveys to determine proper communications frequency that would work for the remote sites. Selected and installed the new radio equipment including point to point testing between sites.

DAKOTA DREYER (16-260-12)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Farrwest Engineering / DOWL
Nevada (United States)
Electrical Designer
August 2021 – August 2023

Verified by
David H Oto
Oneline_electrical@yahoo.com

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



TASKS

I designed electrical systems for water and wastewater projects, with an emphasis on utility service applications, power distribution, and electrical protection for pumping, treatment, and related infrastructure. I performed design calculations for connected and demand loads, feeder and service sizing, overcurrent protection, and other power system elements, and I selected equipment for motor, lighting, and instrumentation and control system applications. I prepared one-line diagrams, panel schedules, power plans, control drawings, and technical specifications for inclusion in construction document packages, and I coordinated the electrical design with civil, mechanical, and process requirements. During construction, I supported the projects by reviewing submittals, evaluating RFIs, and helping resolve field issues so the final installation remained aligned with the design basis.



REPRESENTATIVE PROJECTS

Lyon County Lift Station (2021)

I designed the electrical systems for the Lyon County Gold Country Lift Station including the site power distribution, motor control center arrangement, transfer equipment, panelboard and transformer distribution, grounding, classified area requirements, and electrical control infrastructure for the lift station. The drawing set included electrical notes, a single-line diagram, electrical site and control plans, MCC elevation, grounding details, and hazardous area classification details based on NEC and NFPA 820 requirements for the wet well, valve vault, and odor control areas. I developed the electrical design documents, coordinated utility and SCADA integration requirements, and incorporated requirements for surge protection, grounding, conduit systems, and hazardous location sealing and equipment selection into the construction documents. This project demonstrates my work on municipal wastewater infrastructure with power, controls, classified locations, and multi-discipline coordination.

Marlette Lake Generator Replacement (2020)

I helped manage the remote generator site upgrade including the sizing, protection and custom coordination of the ATS for use in power generation at the Marlette Lake pumping station. I oversaw the installation and startup by the contractor and designated integrator based on the electrical plans provided.

Carson City Pump Station power/control box replacement (2021) I did the initial site visits, electrical drawing and equipment selection for the upgrade of six pump stations for the City of Caron.

Redwood Materials power for Tank fabrication (2021) I did the electrical design to bring required power into the tank fabrication area for specialized 3 phase welding and manufacturing processes of the Redwoodmaterials manufacturing facility in Carson City, Nevada.

DAKOTA DREYER (16-260-12)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

PK Electrical, Inc.
Nevada (United States)
Electrical Designer
September 2023—April 2026

Verified by
Karen Purcell
kpurcell@pkelectrical.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 perform electrical design for municipal and industrial water and wastewater projects, including lift stations, wastewater treatment plants, pump stations, water reservoirs, effluent vaults, PRV sites, control systems, and SCADA systems. I prepare electrical design calculations, one-line diagrams, panel schedules, control schematics, equipment layouts, and construction documents, and I apply engineering judgment in power distribution, overcurrent protection, equipment selection, control integration, and code compliance. I develop electrical and control system design requirements for new and rehabilitated facilities and coordinate with civil, mechanical, process, instrumentation, utilities, and owners during design. During bidding and construction, I review submittals, respond to RFIs, evaluate field conditions, and provide engineering support to help ensure the installed work conforms to the design intent. My responsibilities in this position are approximately 90–95% engineering and 5–10% administrative/project coordination.

REPRESENTATIVE PROJECTS

Silverwood Sewer Lift Station #1 Improvement Plans – Hesperia, California (2023-2024)

I designed the electrical systems for the Silverwood Sewer Lift Station #1 improvements for the City of Hesperia, including the site power distribution, motor control center arrangement, transfer equipment, panelboard and transformer distribution, grounding, classified area requirements, and electrical control infrastructure for the lift station. The drawing set included electrical notes, a single-line diagram, electrical site and control plans, MCC elevation, grounding details, and hazardous area classification details based on NEC and NFPA 820 requirements for the wet well, valve vault, and odor control areas. I developed the electrical design documents, coordinated utility and SCADA integration requirements, and incorporated requirements for surge protection, grounding, conduit systems, and hazardous location sealing and equipment selection into the construction documents. This project demonstrates my work on municipal wastewater infrastructure with power, controls, classified locations, and multi-discipline coordination.

Phase II Booster Pump Station and Storage Tanks – City of Lathrop, California (2024-2025)

I designed the electrical power, distribution, motor control, lighting, grounding, and construction document package for the Phase II Booster Pump Station and Storage Tanks project for the City of Lathrop. My design included the electrical one-line diagram, load calculations, conduit and wire schedules, panel schedules, site power and control plans, lighting and receptacle plans, and grounding plans for a facility that included a 1200A, 480V service, a 1200A automatic transfer switch, a 500 kW standby generator, a motor control center, 125 HP VFD-driven booster pumps, a 250 HP reduced-voltage soft starter, and associated tank recirculation pumps and air compressors. I also incorporated utility coordination requirements, arc flash study requirements, shunt trip provisions, SCADA/RTU interfaces, and lighting control sequences into the design package. This project reflects a higher level of responsibility in power system design, equipment selection, motor control integration, and full construction document development for a large municipal water facility.

Victory Logistics Phase A Lift Station #2 – Fernley, Nevada (2025)

I designed the electrical systems for Lift Station #2 in Fernley, Nevada, including utility service, standby power, distribution, grounding, lighting, site electrical layout, and hazardous location requirements for the lift station and associated vaults. The design included a 277/480V, 400A service entrance, 400A automatic transfer switch, 250 kW standby generator, distribution panel, 60 HP VFD-driven pumps, and classified area design for Class I, Division 1 and Division 2 spaces in accordance with NEC 501 and NFPA 820. I prepared the permit-level electrical design documents, including the one-line diagram, panel schedules, conduit schedules, grounding plan, site plan, details, and classification plan, and I incorporated SCADA and system integrator requirements for monitoring and control interfaces. This project demonstrates my progression into more independent design of wastewater lift station facilities involving standby power, hazardous locations, code compliance, and permit coordination.

TREVOR GROVER (24-127-51)

All work experience reviewed by two licensed professionals

DISCIPLINE: ELECTRICAL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
04/10/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree
9 years, 2 months

Total Engineering
Experience
9 years, 2 months

Experience under licensed
engineer
9 years, 2 months

Other Experience

Disciplinary Action
None reported



EDUCATION



Bachelors in Electrical Engineering (EAC)
Utah State University
August 2011–May 2016

EXAMS



Fundamentals of Engineering (FE)
Nevada
September 2024

Principles and Practice of Engineering (PE)
Electrical & Computer
Nevada
January 2026



LICENSES



Additional Licenses
None

TREVOR GROVER (24-127-51)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Merit Medical
Utah (United States)
Packaging
June 2016—December 2016

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

TREVOR GROVER (24-127-51)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

EELD
Utah (United States)
Electrical Drafter
January 2017 – May 2020

Verified by
MANSOUR AGHDASI
mansour@ee-ld.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

Learned electrical drafting and design under a stamped professional engineer (electrical-only engineering firm). Duties included setup and managing projects in AutoCAD and Revit, drafting on markups from designers/engineer, some early electrical design experience, attending client site visits and meetings. Mostly hands-on learning in an unfamiliar industry and career.

REPRESENTATIVE PROJECTS

Project:
Food Alley
2018

Address:
755 South State Street
Salt Lake City, UT

Description:
This was one of my final projects at this firm was a multi-tenant restaurant/retail space with residential space in downtown Salt Lake City. The architecture was an interesting construction of large boxcar storage containers stacked in various ways across the site.

I designed the interior lighting/power/kitchen layouts, circuit and panel schedules, and calculating loads & fault calcs, under engineer's direction.

The architect was a firm we worked with plenty of times by then, so I had a larger role in coordinating with them on the project. Similar situation with the client owner of the project site.

Project:
Sapa Sushi Bar Addition
2019

Address:
722 S. State St.
Salt Lake City, UT

Description:
I designed the interior lighting/power/kitchen layouts, circuit and panel schedules, and calculating loads & fault calcs, under engineer's direction. Conducted initial site visit, coordinated with architect throughout the project.

Project:
Advanced Composites Warehouse
2018-2019

Address:
3030 W. Directors Row

Salt Lake City, UT

Description:

I designed the interior lighting/power/equipment layouts, circuit and panel schedules, and calculating loads & fault calcs, under engineer's direction. Conducted initial site visit, coordinated with architect throughout the project. I also conducted the final punchwalk after construction of the project.

TREVOR GROVER (24-127-51)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

IMEG Corp (acquired MSA Engineering Consultants)
Nevada (United States)
Electrical Designer
May 2020—March 2026

Verified by
Kathryn Callender
kathryn.m.callender@imegcorp.com

Experience Summary
Full-Time
Engineering: 5 years, 10 months
Post EAC degree: 5 years, 10 months
Experience under licensed engineer: 5 years, 10 months

TASKS

Started here at this MEP firm as a beginner designer (this firm was formally MSA engineering consultants, and was then acquired by IMEG).

The firm was largely AutoCAD-based locally, so most of my time was drafting and managing projects in CAD. Mostly working on markups from various engineers and designers in our 3 offices, and learning design in the local market.

After being acquired by IMEG, we switched to drafting nearly all projects in Revit. I was recognized as having experience with the drafting software, so I was tasked with being our lead BIM/revit model manager for our local Reno, NV office. Tasks included setup and management of Reno team's revit projects. I'm now tasked with training our newer engineer interns on our revit drafting standards.

Additionally, I've working on designing under various engineers, and am now at a point where I am mentoring the new electrical drafters and designers. I am currently a lead electrical project designer for our local office, and work on various projects simultaneously, help with the production management-side of things, etc. I do the majority of electrical coordination on my projects between other consultants, contractors, vendors, etc.

At this point, I'm a mid-to-senior level employee at our local office, so I provide training and education on electrical design and revit for the newer drafters and interns. I may be asked to troubleshoot revit model backgrounds, or answer questions on equipment interconnections (MP&E coordination), and so on. Additionally, I'll meet with clients and vendors, and have started forming decent professional relationships.

REPRESENTATIVE PROJECTS

Now working at IMEG, I've had the chance to work on many projects across Nevada, California, and elsewhere in the US. (Even a few projects requiring federal CUI information protection and secured workstations.)

I have also had the opportunity to work in many industry market sectors and various commercial & residential buildings/spaces. We get to work on restaurants, hotels, apartments, retail, schools, government buildings, casinos, warehouses, industrial, healthcare, and plenty others.

Project:
City Hall Seismic Upgrade
2020

Address:
One E. 1st St
Reno, NV

Description:
I worked on drafting and learning new standards at new engineering firm under direction of engineer.

Project:
Tahoe Seasons Resort (Phase 1 & 2)
2020-2022

Description:

I worked on drafting hotel guestrooms under direction of engineer. Conducted site visits to observe preconstruction & post construction.

Project:

Stead RV Storage
2020-2021

Address:

4855 Echo Ave
Reno, NV

Description:

Storage buildings and exterior site work. I worked on drafting hotel guestrooms under direction of engineer.

Project:

Charles River Lab - Workstation Renovation
2021

Address:

6995 Longley Ln
Reno, NV

Description:

This was a renovation on testing lab workstations. I worked on the lighting and power renovations. I also conducted the site visit.

Project:

Liberty Dogs
2021-2025

Address:

1215 Demonte Ranch Pkwy
Reno, NV

Description:

This was a multi-building campus project. I worked on project setup and some drafting and design under the lead engineer. After the lead engineer left the project, I worked on receiving/returning a lot of the RFIs, submittals, and other post-permit construction admin phase work.

Project:

The Crossing
2021-2024

Address:

10242 Church St.
Truckee, CA

Description:

I designed and drafted this one under the direction of the engineer. This was a multi-tenant retail shell and a retail brew-pub building. We later completed the TI phase for the brew-pub as a separate permit.

Project:

Regency Park Remodel
2021-2022

Address:

3200 Lakeside Dr.
Reno, NV

Description:

This project was one of the first multi-family remodel projects I got to design. I also did the initial site visit for the project. We ended up remodeling a few buildings on this site.

Project:

Holcomb Flex Building
2022-2023

Address:

350 Holcomb Ranch Ln
Reno, NV

Description:

This project was one of the first multi-tenant retail shell buildings designed on my own, under the direction of an engineer.

Project:

University of Nevada, Reno - Family Medicine Renovation
2022-2024

Address:

University of Nevada, Reno

Description:

This was a remodel of an existing medical clinic building, I was able to design. We renovated the clinic into offices spaces for the university. I conducted the initial site visits and post construction punchwalk. I also responded to RFIs, submittals, etc. during the construction admin phase.

Project:

South Meadows RV & Boat Storage
2022-2025

Address:

South Meadows Pkwy
Reno, NV

Description:

This was a multi-building site project with multiple permit packages that I designed. I also responded to RFIs, submittals, etc. during the construction admin phase.

Project:

Eddy House Transitional Housing
2023-2025

Address:

874 Willow St.
Reno, NV

Description:

This was a multi-story multi-family building, with an elevator and emergency battery backup I designed. I conducted the initial site visits and a few post construction punchwalks. I also responded to RFIs, submittals, etc. during the construction admin phase.

Project:

Carson City Fire Station
2023-2026

Address:

3645 Butti Way
Carson City, NV

Description:

This was a fire station was a critical operations functioning portion of the building, with generator backup, that I helped design. I conducted the initial site visits and post construction punchwalk. I also responded to RFIs, submittals, etc. during the construction admin phase.

Project:

Renown - Crisis Stabilization Clinic
2023-2024

Address:

480 Galletti Way
Reno, NV

Description:

This was an existing mental health clinic that was renovated. I conducted the initial site visits and post construction punchwalk. I also responded to RFIs, submittals, etc. during the construction admin phase.

Project:

Reprotech TI
2025-2026

Address:

1950 S. McCarren Blvd.
Reno, NV

Description:


This is a TI renovation of an existing warehouse space. This was one of the first projects I had little oversight in design from a senior engineer. I conducted the initial site visits and post construction punchwalk. I also responded to RFIs, submittals, etc. during the construction admin phase.

EDWIN LEONIN (17-304-34)

All work experience reviewed by two licensed professionals

DISCIPLINE: ELECTRICAL

GENERAL


 Applying To **Nevada**

Application Type **Initial - PE**

Application Date **05/05/2026**

Citizenship **United States**

SUMMARY



 Engineering Experience after EAC degree


Total Engineering Experience **18 years, 2 months**

Experience under licensed engineer **18 years**


Other Experience

Disciplinary Action **None reported**


 




EDUCATION

 Meets NCEES Engineering Education Standard

Bachelors in Electrical Engineering
University of Luzon
June 1993–March 1998

 Waiver Request: NRS 625.193(1)(A) WAIVER OF FE WITH 10 OR MORE YEARS OF EXPERIENCE.

EXAMS

 Waived Fundamentals of Engineering (FE)
Nevada
September 2025

Principles and Practice of Engineering (PE)
Electrical & Computer
Nevada
April 2026

LICENSES

 Additional Licenses **None**

EDWIN LEONIN (17-304-34)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Self-employed
Pangasinan (Philippines)
Farm Operator
February 2000—March 2003

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

EDWIN LEONIN (17-304-34)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

CoreTech International
Guam (Guam)
Project Engineer
April 2003—November 2003

Verified by
Edwin Leonin (Self)

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



TASKS

Project engineer - duties include managing the technical, budgetary, and scheduling aspect of the assigned construction contract.



REPRESENTATIVE PROJECTS

Project Engineer

Replace Andy III Fuel Tank Control System, Andersen Air Force Base, Guam - I was responsible for preparing and updating the construction schedule, technical submittals, and daily reports. I coordinated construction activities with subcontractors, and I coordinated inspection with client's representative.

EDWIN LEONIN (17-304-34)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

CPS Electric
Guam (Guam)
Sales Representative
December 2003—May 2004

Verified by

Experience Summary

Full-Time

Other: (0%)

**Experience under licensed surveyor:
None**



DESCRIPTION

EDWIN LEONIN (17-304-34)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

*Rocky Mountain Precast
Guam (Guam)
Quality Assurance
June 2004—April 2006*

*Verified by
Edwin Leonin (Self)*

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



TASKS

Quality Assurance - duties and tasks is to ensure that precast/prestress elements are manufactured in compliance with the design, PCI standards, and the plant's quality control program.



REPRESENTATIVE PROJECTS

Quality Assurance

Throughout my employment period, I performed on daily basis the inspection of forms, placement of reinforcing steel, performed in-house concrete testing and monitored the placement of concrete, I performed tensioning and de-tensioning of prestress strands, inspection and measurement of precast and prestressed elements and marked the elements needing repair and/or good for release. I generated and maintained quality assurance logs.

EDWIN LEONIN (17-304-34)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

AIC International
Guam (Guam)
Project Engineer
May 2006—September 2007

Verified by
Edwin Leonin (Self)

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



TASKS

Project engineer - duties include managing the technical, budgetary, and scheduling aspect of construction contracts from award to completion.



REPRESENTATIVE PROJECTS

Project Engineer

Replace Navy Exchange (NEX) II electrical and fire protection system, Navy Base, Guam - I was responsible for preparing and updating the construction schedule, technical submittals, and daily reports. As project engineer, I reviewed the design package prepared by AE to confirm compliance with the project requirements; I coordinated construction activities including testing and inspection between client representatives, subcontractors, and vendors.

Construct AAFES Shopette, Andersen Air Force Base, Guam - I was responsible for preparing and updating the construction schedule, technical submittals, and daily reports. I prepared shop drawings for AE approval; I coordinated construction activities including testing and inspection between client representatives, subcontractors, and vendors. I prepared cost estimates for construction modification.

EDWIN LEONIN (17-304-34)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Watts Constructors
Guam (Guam)
Quality Control Manager
October 2007 – September 2010

Verified by
Anthony John Sage
Kiwijohnkoho@yahoo.com

Experience Summary
Full-Time
Engineering: 2 years, 11 months
Experience under licensed engineer:
2 years, 11 months



TASKS

Duties include the implementation of project Quality Control Program. Review, acceptance, or rejection of reports from testing laboratories, perform field inspection and documentation of completed and ongoing activities, inspection of delivered materials onsite and offsite to verify compliance with approved submittals, generate punch list, maintain QC files, update testing logs, and ensure as built drawings are updated.



REPRESENTATIVE PROJECTS

October 2007~ September 2008

AAFES Andersen Air Force Base Shopping Center, Guam.

Construction of a single story 165,000 square foot reinforced shopping facility with warehouse with loading dock, office space, dining with food processing and storage which include walk-in coolers/freezers, and large parking spaces. Facility includes HVAC, Fire Protection System, Electrical system with backup generator, lightning protection system, and plumbing system.

Assistant Quality Control Manager - I performed daily inspection of construction activities from rough-in to finishing works including related testing of electrical, civil, fire protection, HVAC work to ensure compliance with contract requirements. I generated and maintained deficiency log for tracking of corrective action. The log was submitted to senior quality control manager in a weekly basis. I recommended to senior Quality Control Manager the acceptance or rejection of work in place including correction of a deficiency, and testing, after I performed inspection. I inspected materials and equipment delivered to project site to make sure consistency with the approved submittal.

October 2008 ~ May 2009

Replace Typhoon Damage Homes at North Tupalao, Naval Base Guam

This design-build project involved the demolition and replacement of existing homes. A total of 204 new homes were constructed; three and four bedrooms, two baths duplexes consisting of five different floor plans ranging from 1,450 SF to 1,640 SF. The new homes were constructed from precast concrete panels.

Quality Control Manager - I performed inspection of site activities from rough-in works thru finishing work for electrical, HVAC, fire alarm, civil, and architectural works. I generated and maintained deficiency log and submitted to the project superintendent for correction and tracking. I performed in-house inspection of the completed units prior to scheduling acceptance inspection with the client's representative.

June 2009 ~ September 2010

FY08 MCON P-587 Sub Drive-In Magnetic Silencing Facility - Guam

This project constructed a magnetic silencing facility in Beckoning Point, Pearl harbor Hawaii. Project included a non-magnetic concrete drive-in deperming pier for submarine and a rectifier building. The concrete piles for 213-meter (700-foot) non-magnetic concrete pier and a 76.9-meter (252-foot) access trestle were fabricated in Guam.

Quality Control Manager - I field measured the pre-casting beds, spacing and arrangement of prestressing cables and reinforcing steel, and cleanliness of forms. I inspected the tensioning of prestress cables, recorded and submitted reports to project manager for verification and approval for concrete casting. I led the pre-pour testing of concrete samples and rejected the batch that did not meet specification requirement. I recommended rejection for de-tensioning of pre-stressed piles to the Project manager if the minimum compressive strength of test samples was not met. I performed post pour inspection of piles and marked the cracks or defects for repair and/or project manager inspection.

EDWIN LEONIN (17-304-34)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

NAVFAC Marianas
Guam (Guam)
Construction Management Engineer
November 2010—February 2015

Verified by
EDWARD CACHIN TAPECERIA
edward.c.tapeceria.civ@us.navy.mil

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

TASKS

Performed as construction management engineer for NAVFAC contracts in support of the Navy, Air Force, and other DoD or federal agencies in Guam. Tasks and duties includes the review and/or providing technical assistance to engineers/architects for the review of shop drawings and technical submittals, provide technical recommendations/solutions to complex problems encountered during the administration of construction contracts, enforce all technical and administrative provisions of assigned construction contracts; review of design drawings and participate in design conferences, pre-award and post-award contract meetings; review and approve contractor administrative submittals such as schedules, environmental protection plan, design and construction quality control plans; assist the administrative contracting officer in contract modification by providing government estimate and scope of work, review and evaluation of contractor's proposal, and assist in contract negotiations; perform site inspection, acceptance of work in place, and contract close out.

REPRESENTATIVE PROJECTS

As CME for Naval Facilities Engineering Systems Command my role for every project is typical. I have performed the same tasks for every project listed below.

Guam Strike South Ramp Utilities - 2012~2015 - Design and Construction for sanitary sewer system, upgrading pumps, motors, and controllers at sanitary sewer stations, and installing a sanitary sewer force main, SCADA system, and new underground electric distribution systems. Project also includes the construction of steel water tank and control house, and installation of new underground potable water lines.

Construction Management Engineer - I reviewed the design drawings and specifications of all stages of design submittals; I conducted site inspections of ongoing and/or completed work and issued non-compliance notices for defective and/or non-conforming work; I investigated differing site conditions and recommended and/or initiated corrective action; I prepared cost estimate and scope of work for contract modification; I evaluated contractor's proposal for contract modifications; I reviewed and approved administrative submittals, shop drawings, as-built drawings, material submittals, and close put documents.

Combat Communication Transmission Facility and Combat Communication Support Facility - Guam - 2012~2014 - Design and Construction of two separate buildings with 9,800-SF and 18,000-SF, respectively. Both buildings have reinforced concrete foundations, precast walls, and roofing capable of withstanding typhoon-strength winds and high seismic activity. Office and warehouse spaces are complete with electrical system, fire protection and mass notification system, mechanical system, and plumbing system.

Construction Management Engineer - I reviewed the design drawings and specifications of all stages of design submittals; I conducted site inspections of ongoing and/or completed work and issued non-compliance notices for defective and/or non-conforming work; I investigated differing site conditions and recommended and/or initiated corrective action; I prepared cost estimate and scope of work for contract modification; I evaluated contractor's proposal for contract modifications; I reviewed and approved administrative submittals, shop drawings, as-built drawings, material submittals, and close put documents.

Combat Communication Operations Support Facility - Guam - 2010-2012 - Design and construction of a 18,000-SF single story reinforced concrete building in a secured facility. Floor space include Sensitive Compartmented Information Facility (SCIF), blast proof windows, anti terrorism force protection fence and gate with cipher lock doors, fire alarm and mass notification system; electrical, mechanical, and plumbing system.

Construction Management Engineer - I reviewed the design drawings and specifications of all stages of design submittals; I conducted site inspections of ongoing and/or completed work and issued non-compliance notices for defective and/or non-conforming work; I investigated differing site conditions and recommended and/or initiated corrective action; I prepared cost

estimate and scope of work for contract modification; I evaluated contractor's proposal for contract modifications; I reviewed and approved administrative submittals, shop drawings, as-built drawings, material submittals, and close put documents.

EDWIN LEONIN (17-304-34)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

NAVFAC Far East
US Armed Forces - Pacific (United States)
Electrical Engineer
February 2015—August 2023

Verified by
Victor Tsz Fung Wong
victor.t.wong.mil@us.navy.mil

Experience Summary
Full-Time
Engineering: 8 years, 6 months
Experience under licensed engineer: 8 years, 4 months



TASKS

Performed as construction management engineer for NAVFAC Far East. Tasks and duties includes the review and/or providing technical assistance to engineers/architects for the review of shop drawings and technical submittals, provide technical recommendations/solutions to complex problems encountered during the administration of construction contracts, enforce all technical and administrative provisions of assigned construction contracts; review of design drawings and participate in design conferences, pre-award and post- award contract meetings; review and approve contractor administrative submittals such as schedules, environmental protection plan, design and construction quality control plans; assist the administrative contracting officer in contract modification by providing government estimate and scope of work, review and evaluation of contractor's proposal, and assist in contract negotiations; perform site inspection, acceptance of work in place, and contract close out.



REPRESENTATIVE PROJECTS

Construction Management Engineer:

Repair SRF-JRMC Machine Shop, Yokosuka, Japan - 2015 ~ 2017 - This was a design-build project to repair an 80,000 square feet machine shop facility. Scope included the replacement of sliding hangar doors, roofing system, walls, windows/frame; upgrade of lighting system, replacement of the entire compressed air piping, and replacement of the building fire alarm and mass notification system. - I reviewed and accepted/rejected administrative submittals and DOR-reviewed technical submittals, I conducted quality assurance inspection for all fields and all stages of work, I investigated differing site conditions/unforeseen conditions and recommended resolution to contracting officer, I evaluated/analyzed contractor's proposal for contract modification and prepared memorandum for the contracting officer.

Clean, Inspect, Repair Tank 108, Yokosuka, Japan - 2016 ~ 2018 - This was a design-build project to clean, perform Out of Service inspection, design and repair of a 90' diameter by 100' deep buried fuel storage tank and associated systems to bring to API standards. - I reviewed and accepted/rejected administrative submittals and DOR-reviewed technical submittals, I conducted quality assurance inspection of all fields and stages of work, I evaluated/analyzed contractor's proposal for contract modification and prepared memorandum for the contracting officer.

Replace Capstan and Capstan Control House at Dry Dock 6, Yokosuka, Japan - 2016 ~ 2019 - This was a design bid-build which replaced nine (9) capstans and capstan control sheds. Scope included the replacement of drain pumps, underground service cables and electrical equipment in capstan sheds, and replacement of transformers for nine (9) capstans. - I reviewed and accepted/rejected administrative submittals and DOR-reviewed technical submittals, I conducted quality assurance inspection of all fields and all stages of work, I evaluated/analyzed contractor's proposal for contract modification and prepared memorandum for the contracting officer.

YSK-A164 REPLACE TRANSFORMER 60HT-BERTH-8-1 & 2, Yokosuka, Japan - 2017 ~ 2019 - This was a design-bid-build project which replaced the existing two (2) aged 60Hz 13.8KV 2500 kVA transformers, secondary panel and switchgear panels, bus ducts and steel support, and grounding system. - I reviewed and accepted/rejected administrative submittals and AE-reviewed technical submittals, I conducted quality assurance inspection for all fields and all stages of work.

Seismic Retrofit & Convert to Open Secret Storage Space, Building B-39B, Yokosuka, Japan- 2017 ~ 2021 - Facility is a three-story concrete building with net space of 16,331 square feet. Scope is to repair various existing deficiencies to bring the facility up to current building codes and standards, complete with new utility lines for a complete and operational facility. Project also converted the floor spaces into a secure space for open storage of secret use. - I reviewed and accepted/rejected administrative submittals and AE-reviewed technical submittals, I conducted quality assurance inspection of all fields and all stages of work, I investigated differing site conditions/unforeseen conditions and recommended resolution to A-E and contracting officer, I

evaluated/analyzed contractor's proposal for contract modification and prepared memorandum for the contracting officer

FY20 MCON P-030, Pier5 (Berth 2&3), Yokosuka, Japan - 2020 ~ 2022 - Construction of a 205mx35m fixed single deck pier (FSDP) to replace the existing Pier which has exceeded its service life. New pier includes concrete deck, steel pile foundations, fender system, mooring hardware, access ramp, utilities including 4160V and 600V for ship onshore power connection stations, fire hydrants, utility support crossings, utility services for hotel ships, cathodic protection system, and grounding system. - I reviewed and accepted/rejected administrative submittals and AE-reviewed technical submittals, I conducted quality assurance inspection of all fields and all stages of work from demolition through project completion and I issued non-compliance notices for non-conforming works, I investigated differing site conditions/unforeseen conditions and recommended resolution to A-E/contracting officer, I evaluated/analyzed contractor's proposal for contract modification and prepared memorandum for the contracting officer.

YSK-DD5, Overhaul Caisson 5, Yokosuka, Japan - 2022 ~ 2023 - The project overhauled the exterior and interior steel surfaces of hull, structural members and piping; replacement of flooding valves, actuators and associated piping; replaced the zinc anodes on the hulls and in the tanks; preserved/replaced rubber fenders & seals and other necessary overhauling works to bring - I reviewed and accepted/rejected administrative submittals and AE-reviewed technical submittals, I conducted quality assurance inspection for all fields and all stages of work.

EDWIN LEONIN (17-304-34)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

NAVFAC Marianas
Guam (Guam)
Electrical Engineer
August 2023 – April 2025

Verified by
SHAN JEN HUANG
shan.j.huang.civ@us.navy.mil

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



TASKS

Performed as construction management engineer for NAVFAC Marianas, Marine Corp Camp Blaz, Public Works. Tasks and duties includes the review and/or providing technical assistance to engineers/architects for the review of shop drawings and technical submittals, provide technical recommendations/solutions to complex problems encountered during the administration of construction contracts, enforce all technical and administrative provisions of assigned construction contracts; review of design drawings and participate in design conferences, pre-award and post- award contract meetings; review and approve contractor administrative submittals such as schedules, environmental protection plan, design and construction quality control plans; assist the administrative contracting officer in contract modification by providing government estimate and scope of work, review and evaluation of contractor's proposal, and assist in contract negotiations; perform site inspection, acceptance of work in place, and contract close out.



REPRESENTATIVE PROJECTS

Construction Management Engineer - August 2023 ~ Present

Provide Additional Capacity for Bldg. 309 Generator, Marine Corp Camp Blaz, Guam - This is an ongoing design-build project intended to expand the capabilities of B309 power plant by installing an additional 2.5MW generator, retrofitting one of the existing three (3) 2.5MW generator, and upgrading all control system. Project also include the construction of concrete pad, wall, and roof for the extension of bldg. to accommodate the built-in equipment that support the generator, installation of double wall typhoon rated 50,000-gallon fuel storage tank and an electric motor driven day tank.

- I reviewed and approved/disapproved administrative submittals, I reviewed design packages and approved/disapproved based on the recommendation of the design manager, I reviewed the contractor's monthly schedule update and approved or rejected accordingly, I reviewed the contractor's Request for Information related to scope requirements and responded with clear direction, I evaluated the contractor's proposal for cost and/or time increase modifications and prepared memorandum for acceptance to the contracting officer.

Install new standby generator at Water Wells NCS-B1, NCS-9B, and NCS-10B, MCBCB, Guam. This is an ongoing design-build project intended to provide and install new standby generators to include Automatic Transfer Switch (ATS) with By-Pass Isolation Switch, Stainless Steel (SST) fuel supply and return lines, and above fuel storage tank (ConVault). Project also includes the construction of new concrete generator buildings with fire alarm and detection, typhoon rated door shutter, main enclosed circuit breaker, interior/exterior lighting system, and interior electrical.

- I reviewed and approved/disapproved administrative submittals, I reviewed design packages and provided approval as recommended by the design manager, I reviewed the contractor's monthly schedule update and approved or returned for correction, I conducted random site inspection along with the engineer technician, I reviewed contractor's/A-E approved submittals that are designated for Government surveillance and/or approval.

EDWIN LEONIN (17-304-34)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

NAVFAC Atlantic
Djibouti (Djibouti)
Construction Management Engineer
February 2025—February 2026

Verified by
Ramon M Gonzalez
ramon.m.gonzalez.civ@us.navy.mil

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



TASKS

Served a Temporary Duty (TDY) in Camp Lemonnier, Djibouti Africa Public Works Department under NAVFAC Atlantic. Tasks and duties includes the review and/or providing technical assistance to engineers/architects for the review of shop drawings and technical submittals, provide technical recommendations/solutions to complex problems encountered during the administration of construction contracts, enforce all technical and administrative provisions of assigned construction contracts; review of design drawings and participate in design conferences, pre-award and post- award contract meetings; review and approve contractor administrative submittals such as schedules, environmental protection plan, design and construction quality control plans; assist the administrative contracting officer in contract modification by providing government estimate and scope of work, review and evaluation of contractor's proposal, and assist in contract negotiations; perform site inspection, acceptance of work in place, and contract close out.



REPRESENTATIVE PROJECTS

Construction Management Engineer for the representative projects below.

Contract Number: N3319119D0835-23F4399 Enhance Energy Security and Control System, Camp Lemonnier, Djibouti (CLDJ) Africa - This is a design build project intended to install and integrate secured facility related controls system (FRCSs), cyber secures and integrates existing FRCSs (including advanced metering infrastructure, AMI), energy conservation measures (ECMs), and repair and modernize various existing facilities base wide. The project provides reliability in the form of cyber secure FRCS, with the ability to monitor and respond to outages and power quality issues quicker, ensuring less interruption in mission. The project provides resiliency by advanced monitoring and management of the electricity grid and the ability to switch loads on and off according to mission needs, efficiency through integration of metering, demand side management, energy reduction measures, and analytics for connected facilities.

- I performed review of the concept design and issued the approval after verification that contractor's design approach was in line with the contract requirements, after having multiple rounds of concept design workshop with the DOR and government stakeholders. I reviewed and disapproved the Design Quality Control Plan and the Baseline Schedule and only provided approval after having met the requirement of division 1 specifications. I reviewed the 50% design packages and provided approval based on government stakeholders review comments, I reviewed the contractor's Request for Information related to scope requirements and responded with clear direction. I held regular meetings with the contractor, I prepared bi-weekly reports for the Supervisor on the status of the project.

Contract Number: N3319120D9000-25F6144 – CNIC-680 Fuels Controls and Monitoring, Camp Lemonnier, Djibouti Africa (CLDJ). This is a design-build project to improve the capacity to monitor and control the fuel system of the power plants at CLDJ. This project will provide a packaged automatic tank monitoring and control (ATMC) system for seven bulk tanks and the internal tanks for twelve generators. The ATMC includes level sensors, flow meters, pump control and leak detectors. Project also provides fuel pumps for the twelve internal tanks, redundant pump system for the day tanks which will be integrated with the ATMC, create overflow protection for the internal tanks, provide variable frequency drives (VFDs) for the existing duplex fuel transfer pumps, provide a fuel line redundant to the main fuel transfer line, and provide SCADA Utility Monitoring and Control System for the Power Plant #3.

- Project was recently awarded. I held the post award kick-off meeting. I reviewed and approved the contractor's design baseline schedule, I reviewed the preliminary concept design drawings, and I led the participation of Government stakeholders in the Concept Design Workshop. I provided approval for the concept design based on the results of the workshop. I prepared project status reports for Supervisor.

EDWIN LEONIN (17-304-34)

All work experience reviewed by two licensed professionals

ADDITIONAL INFORMATION



TIME GAPS


Start Date	End Date	Explanation
April 1998	January 2000	From April 1998 thru October 1998, I was full time in preparing for my licensure exam in the Phillines, which I passed. I started looking for job immediatly after the exam result came out but no luck.

CESAR MACIAS-AVELAR (17-035-54)

All work experience reviewed by two licensed professionals

DISCIPLINE: ELECTRICAL

GENERAL


 Applying To **Nevada**

Application Type **Initial - PE**

Application Date **04/22/2026**

Citizenship **United States**



SUMMARY



 Engineering Experience after EAC degree **9 years, 11 months**

Total Engineering Experience **9 years, 11 months**

Experience under licensed engineer **9 years, 11 months**

Disciplinary Action **None reported**


 

EDUCATION

 Bachelors in Electrical Engineering (EAC)
University of Nevada, Las Vegas
September 2010–May 2016

EXAMS

 Fundamentals of Engineering (FE)
Nevada
December 2023

Principles and Practice of Engineering (PE)
Electrical & Computer
Nevada
February 2026



LICENSES

 Additional Licenses **None**

CESAR MACIAS-AVELAR (17-035-54)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Comfort Engineering
Nevada (United States)
Project Manager
May 2016—April 2026

Verified by
Timothy Boone McCusker
tim@comfortenginc.com

Experience Summary
Full-Time
Engineering: 9 years, 11 months
Post EAC degree: 9 years, 11 months
Experience under licensed engineer:
9 years, 11 months

TASKS

I perform electrical engineering design for commercial and residential building projects including apartment complexes, clubhouses, tilt-up commercial buildings, tenant improvement renovations, hotels, commercial facilities, track home developments, and custom residential homes. I attend coordination meetings and conduct site visits to identify engineering constraints, evaluate existing conditions, and communicate system capabilities and limitations to project stakeholders. I calculate electrical loads and demand factors to determine service sizes and distribution requirements in accordance with the NFPA 70 National Electrical Code published by the National Fire Protection Association. I also calculate available fault current at service and distribution equipment and verify that equipment interrupting ratings are adequate. I evaluate overcurrent protective devices to support safe and reliable system operation. Based on these analyses, I design building power distribution systems including service equipment, switchboards, panelboards, feeders, and branch circuits. I design lighting and power layouts and perform lighting photometric calculations to verify illumination levels and ensure compliance with egress lighting requirements and applicable jurisdictional codes. I prepare single-line diagrams illustrating electrical system topology, overcurrent protection, grounding methods, and distribution architecture. I coordinate electrical systems with architectural, mechanical, plumbing, and structural disciplines to support constructible designs. I review the work of other engineers and collaborate with design teams to develop electrical systems that are safe, code compliant, and meet client project requirements. I apply engineering judgment to evaluate design alternatives, consider safety, reliability, and constructability, and determine electrical system configurations that best satisfy project requirements and applicable codes. During construction, I review contractor submittals and respond to RFIs to ensure installations comply with design intent and applicable codes.

REPRESENTATIVE PROJECTS

East Gibson Apartments
June 2016 – June 2018

I was the primary electrical designer for a multi-building residential project. I calculated dwelling-unit and multi-meter stack loads, developed single-line diagrams, and designed lighting and power systems for residential and commercial spaces. I engineered site lighting using photometric analysis to verify safe illumination levels and ensured energy-code compliance throughout. I coordinated clubhouse lighting with the architect and interior designer, integrating aesthetics with electrical requirements, and produced power layouts supporting equipment and convenience receptacles. After permit approval, I supported construction by reviewing field conditions, responding to RFIs, and coordinating with the project team to ensure installations matched design intent and met safety and code requirements.

Hampton Inn
May 2018 – January 2020

I developed complete electrical system designs to Hampton by Hilton standards and applicable codes. I designed normal power, lighting, and egress systems across site lighting, back-of-house, fitness center, commercial laundry, kitchen, and lobby areas. I sized feeders and overcurrent protection, engineered panelboards and panel schedules, and detailed conduit layouts and equipment terminations to ensure safe, reliable distribution. I performed exterior photometric analysis for the pool deck and equipment room to meet local health and safety requirements. Throughout design, I applied engineering judgment to coordinate mechanical and plumbing equipment interfaces and adapt designs to evolving architectural layouts.

Mosaic Commerce Center
August 2020 – November 2021

I led electrical design for a tilt-up warehouse development supporting phased construction and multiple tenant build-outs. I coordinated with the client to establish power requirements for uses ranging from storage to light manufacturing and engineered a

480V distribution system for major equipment loads. I designed step-down transformer systems to provide 208/120V to tenant spaces and developed distribution strategies to minimize rework during future expansions. I designed the complete electrical system for a dedicated fire pump building, coordinating with the serving utility to account for current and future load demands and ensuring code compliance.

Alper Apartments

December 2020 – June 2023

I designed the full electrical system for a seven-building, 257-unit complex. I calculated unit loads, determined service sizes, and engineered branch circuiting per the NEC. I designed electrical systems for common areas and amenity spaces, coordinated photovoltaic system integration with building services, and ensured inverter and service equipment compatibility. I designed emergency lighting using inverters and performed photometric calculations for corridors and egress paths. I engineered electrical rooms with 1200A multi-meter stacks to facilitate phased construction and coordinated utility service requirements with local standards. I calculated feeder sizes and evaluated voltage drop for long corridor layouts and designed fire pump service and distribution. During construction I reviewed submittals, evaluated equipment substitutions, and provided engineering direction to maintain code-compliant, reliable installations.

Big Apple Laundry

March 2024 – March 2025

I designed the electrical remodel for a commercial laundry facility. I conducted multiple site visits to evaluate existing conditions, identified installed equipment, and calculated connected and demand loads to establish building requirements. I determined the need for a new utility service and evaluated existing transformers for reuse. I designed power distribution for new and relocated equipment, sized feeders, and coordinated with the laundry consultant to maintain operations and minimize downtime. As layouts changed, I redesigned lighting and verified illumination levels via photometric checks. I worked closely with the electrical contractor during construction, responding to field conditions and design changes and providing ongoing engineering support to ensure safe, reliable, and code-compliant completion.

Environmental

JHAO-HONG CHEN (20-746-71)

All work experience reviewed by two licensed professionals

DISCIPLINE: ENVIRONMENTAL

GENERAL



Applying To
Nevada

Application Type
Comity - PE

Application Date
04/30/2026

Citizenship
Taiwan

SUMMARY



Engineering Experience
after EAC degree

Total Engineering
Experience
10 years, 4 months

Experience under licensed
engineer
8 months

Disciplinary Action
None reported



EDUCATION



Meets NCEES Engineering Education Standard

Bachelors in Environmental Engineering
National Cheng Kung University
September 2012–June 2016

Masters in Environmental Engineering
National Cheng Kung University
September 2016–June 2018

Masters in Energy, Environmental and Chemical
Engineering
Washington University, St. Louis - Missouri
August 2020–December 2023

Doctorate in Energy, Environmental and Chemical
Engineering
Washington University, St. Louis - Missouri
August 2020–August 2025



NOTE: First discipline specific ENVE license.
Waiver Request: NRS 625.183, ITEM 4, PART B

EXAMS



Fundamentals of Engineering (FE)
Missouri
December 2024

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

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



LICENSES

Initial License
Maine PE
Issued: April 2026
Expires: December 2027

Additional Licenses
None

JHAO-HONG CHEN (20-746-71)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

National Cheng Kung University
Taiwan (Taiwan)
Engineering Research Intern
September 2014—June 2016

Verified by
Yee-Lin Wu
ylwu@mail.ncku.edu.tw

Experience Summary
Part-Time
Engineering: 11 months (50%)
Experience under licensed engineer: None



TASKS

Affiliation: Department of Environmental Engineering (Formerly the Division of Sanitary Engineering in the Department of Civil Engineering)

Level of Responsibility: Engineering Research Intern working under an Engineering Professor

Engineering Tasks and Duties:

I compared and evaluated chemical and environmental engineering methods and technologies to analyze carbonaceous air quality samples.

I calculated parameters such as pressure drop, flow rate, tubing length, particle loss, aerosol concentration, collection efficiency, extraction efficiency, sampling time, and dilution ratio for various methods used in air quality engineering.

I suggested appropriate methods of air quality engineering for implementation under different scenarios.

I tested and operated vacuum pumps, cyclone separators, ion chromatograph, thermal/optical carbon analyzer, and performed environmental sampling and analysis with the instruments.

I prepared and handled the collected environmental samples referring to multiple Codes of Federal Regulations (CFRs), reference methods, and relevant protocols.

I characterized the chemical properties of the materials in environmental samples.

I utilized a regulatory planning tool of a software package and implemented engineering knowledge to interpret and process environmental data along with spreadsheets.

I designed a dilution chamber and developed an engineering method to establish source profiles of tailpipe exhaust from motorcycles.

I wrote an engineering research report and delivered the results and findings in a presentation.

All (100%) of the tasks and duties require the applications of engineering knowledge.



REPRESENTATIVE PROJECTS

Project 1: Comparison of environmental engineering techniques for analyzing carbonaceous aerosols (2014)

I searched and reviewed environmental and chemical engineering research articles in the literature and Codes of Federal Regulations (CFRs) about methods and technologies to quantitatively measure carbonaceous aerosols in air samples collected from the ambient atmosphere and emission sources. I calculated the sampling flow rates, tubing lengths, particle losses, aerosol concentrations, and collection efficiencies for various methods. I implemented engineering knowledge to systematically compare the differences and commonalities between analytical techniques, evaluated the pros and cons across different methods, and suggested which methods to be used under different scenarios.

Project 2: Resuspension of particulate samples from industrial areas in Taichung City and Kaohsiung City (2014 - 2015)

I installed and tested vacuum pumps with rotameters, connected tubing to vacuum pumps and cyclone separators of different sizes for sampling resuspended particles of different diameters, including PM2.5, PM10, and TSP, and set up the chamber experiment. I calculated the tubing length, pressure drop, flow rate, and sampling time required to collect enough samples for quantitative chemical analysis and characterization of the materials from the industrial areas in Taichung City and Kaohsiung City. I prepared and handled the Teflon membrane filters and quartz fiber filters, at relative humidities lower than 40% referring to 40 CFR 50, to prevent artifacts and contaminants before and after the sampling events, improving experimental accuracy and ensuring data quality. I measured the amount of samples collected on filters and calculated the concentrations of particles after the sampling events. I implemented engineering knowledge to calculate the relative fractions of various chemical species in the samples, including water-soluble inorganic ions, heavy metals, and carbonaceous components. I interpreted, analyzed, and processed the data with spreadsheets.

Project 3: Characterizing the chemical composition of environmental samples (2014 - 2015)

I calculated the amount and concentrations of chemical reagents needed for analyzing environmental samples and prepared calibration standards referring to 40 CFR 136. I extracted filtered particulate samples collected from ambient air measurements into solvents via suction filtration. I performed the analysis of water-soluble inorganic ions in the extracted samples with ion chromatography and calculated the extraction efficiency. I operated a thermal/optical carbon analyzer referring to the IMPROVE_A Protocol for the analysis of organic carbon and elemental carbon fractions in environmental samples. I implemented engineering knowledge to adjust and maintain the pressure and flow rate of carrier gas in the instrument for accurate chemical analysis.

Project 4: Source apportionment of filtered PM_{2.5} samples using the chemical mass balance (CMB) model (2014 - 2015)

I performed source apportionment analysis of filtered PM_{2.5} samples collected following the Federal Reference Methods (FRM) and Federal Equivalent Methods (FEM), referring to 40 CFR 50, 40 CFR 53, and 40 CFR 58. I used the regulatory planning tool and a receptor model software package, Chemical Mass Balance (CMB) Model EPA-CMB v8.2, along with the chemically speciated profiles of emission sources. I calculated the relative contributions of different sources to the monitoring sites for air quality planning and management. I implemented engineering knowledge to interpret and process the data with spreadsheets.

Project 5: Establishing source profiles of tailpipe exhaust from motorcycles (2015 - 2016)

I designed and tested an experimental setup of tandem filters for the sampling of tailpipe exhaust from motorcycles. I designed a dilution chamber for the setup and calculated the residence time of the dilution chamber. I installed and tested the vacuum pumps with rotameters, connected the tubing to the vacuum pumps, dehumidifiers, dilution chamber, and sampling pack of tandem filters. I calculated the pressure drop, tubing length, power requirement, flow rate, sample volume, and dilution ratio. I prepared and handled the filters before and after the experiments. I prepared reagents and analyzed the chemical composition of the samples. I implemented engineering knowledge to process the data and established chemically speciated source profiles of the tailpipe exhaust from motorcycles based on the designed experimental setup. I wrote an engineering research report and delivered the results and findings in a presentation.

JHAO-HONG CHEN (20-746-71)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

National Cheng Kung University
Taiwan (Taiwan)
Engineering Research Assistant
July 2016 – August 2018

Verified by
Yee-Lin Wu
ylwu@mail.ncku.edu.tw

Experience Summary
Full-Time
Engineering: 2 years, 1 month
Experience under licensed engineer:
None



TASKS

Affiliation: Department of Environmental Engineering (Formerly the Division of Sanitary Engineering in the Department of Civil Engineering)

Level of Responsibility: Engineering Research Assistant working under an Engineering Professor

Engineering Tasks and Duties:

- I reviewed and evaluated engineering methods to quantify environmental pollutants.
 - I conducted multiple field campaigns for various environmental engineering projects.
 - I calculated the amount and concentrations of chemical reagents needed for analyzing environmental samples.
 - I calculated chemical compositions of environmental samples, concentrations of air pollutants, air quality index (AQI), transformation rates of chemicals in the atmosphere, and emission factors of fugitive dust.
 - I used the regulatory planning tool Chemical Mass Balance (CMB) Model EPA-CMB v8.2 to perform source apportionment analysis.
 - I processed the meteorological data and calculated the spatial and temporal variations of air pollutants with spreadsheets.
 - I designed the resuspension chamber analysis technique and established chemically speciated profiles of fugitive dust emissions from different raw materials in storage piles of an integrated steel mill.
 - I wrote the proposal of an environmental engineering project, designed the methodology, managed the progress, and led the team to complete the project.
 - I performed the analysis of engineering economics for the procurement of instruments and equipment.
 - I wrote environmental engineering reports and delivered results and findings in presentations.
 - I trained junior colleagues on the preparation, sampling, handling, and analysis of environmental samples.
 - I trained junior colleagues on the operations of environmental engineering equipment and instruments.
 - I trained junior colleagues on using air quality models, including ISC, AERMOD, and CMB.
 - I taught undergraduate courses "Advanced Engineering Mathematics I" and "Advanced Engineering Mathematics II".
- All (100%) of the tasks and duties require the applications of engineering knowledge.



REPRESENTATIVE PROJECTS

Project 1: 2016 Comprehensive Air Quality Management Project in Kaohsiung City (2016 - 2017)

I conducted field work for environmental engineering studies on ambient air quality at 5 sampling sites across Kaohsiung City with Federal Reference Methods (FRM) referring to 40 CFR 50, 40 CFR 53, and 40 CFR 58. I prepared and handled the sampled materials before and after each field campaign. I calculated the amount and concentrations of chemical reagents needed for analyzing environmental samples referring to 40 CFR 136 and the IMPROVE_A Protocol. I implemented engineering knowledge to accurately analyze the water-soluble inorganic ions and carbonaceous fractions in the filtered particulate samples with environmental engineering instruments. I used the regulatory planning tool Chemical Mass Balance (CMB) Model EPA-CMB v8.2 to perform source apportionment analysis for particles. I processed and interpreted the meteorological data and calculated the spatial and temporal variations of concentrations for gaseous pollutants such as CO, NMHC, NOx, O3, and SO2 using spreadsheets. I wrote an environmental engineering report and delivered the results and findings in a presentation.

Project 2: Control Strategy of Air Pollutants such as PM2.5 and Ozone (2016 - 2017)

I searched and reviewed environmental and chemical engineering research articles in the literature and EPA Test Methods about technologies to quantify organic compounds in atmospheric particles and their emission sources. I calculated the relative contributions of water-soluble ions in environmental samples. I calculated the air quality index (AQI) according to 40 CFR 58 for multiple monitoring sites across multiple air quality regions. I implemented engineering knowledge to process the data with spreadsheets.

Project 3: Formation Rates of Secondary Fine Particulate Matter (PM2.5) in the Atmosphere (2016 - 2017)

I conducted 3 field campaigns, 2 in high-PM2.5 months and 1 in the ozone season, for environmental engineering studies on ambient air quality at 9 sampling sites with FRM referring to 40 CFR 50, 40 CFR 53, and 40 CFR 58. I calculated the carbonaceous components and water-soluble inorganic ions in the samples. I calculated the gas-to-particle conversion rates of sulfur, nitrogen, and carbon based on the sampled materials. I implemented engineering knowledge to interpret the data and suggested formation mechanisms of secondary PM2.5 in the atmosphere.

Project 4: 2017 Project for Sampling and Analysis of Fine Particulate Matter (PM2.5) in Taichung City (2017 - 2018)

I conducted the resuspension chamber experiments for fugitive dust collected from industrial areas in Taichung City. I analyzed the samples with environmental engineering instruments. I calculated the water-soluble inorganic ions and carbonaceous fractions in the samples and processed the data with spreadsheets.

Project 5: Comprehensive Control Strategy for Air Pollution (2017 - 2018)

I conducted field work for environmental engineering studies on cooking emissions of PM2.5. I calculated the organic and inorganic chemical species in the samples. I calculated the AQI referring to 40 CFR 58 under different meteorological conditions. I wrote an environmental engineering report and delivered the results and findings in a presentation.

Project 6: Establishing the Resuspension Chamber Analysis Technology for Fugitive Dust Emissions from Storage Piles of an Integrated Steel Mill in Kaohsiung City (2017 - 2018)

I designed the resuspension chamber analysis technique and established the chemically speciated profiles of fugitive dust emissions from 11 types of raw materials in the storage piles of an integrated steel mill in Kaohsiung City. I calculated the relative fractions of PM2.5, PM10, and TSP in the storage piles and calculated the inorganic, carbonaceous, and metallic components, and their extraction efficiencies in the raw materials. I wrote an environmental engineering report and delivered the results and findings in a presentation.

Project 7: Assessment of the Environmental Benefits of Enclosing Storage Piles of an Integrated Steel Mill in Taichung City and Analysis of the Change in Surrounding Wind Fields (2016 - 2018)

I wrote the proposal of this environmental engineering project. I designed the methodology, scheduled the progress, and conducted 5 field campaigns for fugitive dust emissions of an integrated steel mill in Taichung City. I worked as the project leader, directed team members, and managed workload among colleagues. I performed the analysis of engineering economics for the procurement of instruments and equipment. I calculated the concentrations and emission factors of fugitive dust referring to EPA AP-42.

JHAO-HONG CHEN (20-746-71)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Architecture and Building Research
Institute
Taiwan (Taiwan)
Public Service Administrator
October 2018—September 2019

Verified by
SHIH-CHI - LO
losc@abri.gov.tw

Experience Summary
Full-Time
Engineering: 11 months
Experience under licensed engineer:
None



TASKS

Affiliation: Environmental Control Division

Level of Responsibility: Public Service Administrator working under the Director of Environmental Control Division

Engineering Tasks and Duties:

I reviewed the design and calculations in the application documents for certifications of Green Building, Intelligent Building, and Green Building Materials based on the Ecology, Energy Saving, Waste Reduction, and Health (EEWH) certification system, referring to the Leadership in Energy and Environmental Design (LEED) rating system.

I implemented engineering knowledge to communicate technical specifics with researchers, the applicants, and the general public.

I reviewed, compiled, arranged, and organized the architecture and building research reports.

I performed evaluation and calculations for the contents of the reports, coordinated with the researchers, and verified the accuracy of the contents before the reports were finalized.

I conducted office engineering studies on the WELL Building Standard.

All (100%) of the tasks and duties require the applications of engineering knowledge.



REPRESENTATIVE PROJECTS

Project 1: Certifications of Green Building, Intelligent Building, and Green Building Materials (2018 - 2019)

I reviewed the design and calculations in the application documents for certifications of Green Building according to the Administrative Directions of Applying for Approval of Green Building Label. I reviewed the design and calculations in the application documents for certifications of Intelligent Building according to the Administrative Directions of Applying for Approval of Intelligent Building Label. I reviewed the design and calculations in the application documents for certifications of Green Building Materials according to the Administrative Guidelines for Application for and Usage of Green Building Material Label. All of the labels are based on the Ecology, Energy Saving, Waste Reduction, and Health (EEWH) certification system, which refers to the Leadership in Energy and Environmental Design (LEED) rating system. I implemented engineering knowledge to communicate technical specifics with researchers, the applicants, and the general public.

Project 2: Compilation of Architecture and Building Research Reports (2018 - 2019)

I reviewed, compiled, arranged, and organized the architecture and building research reports written by researchers in the environmental control division. I performed the evaluation and calculations for the contents of the reports, coordinated with the researchers, and verified the accuracy of the contents before the reports were finalized.

JHAO-HONG CHEN (20-746-71)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

*Environmental Protection
Administration
Taiwan (Taiwan)
Environmental Technical Specialist
October 2019—December 2019*

Verified by
Shuenn-Chin Chang
scchang@moenv.gov.tw

Experience Summary
Full-Time
Engineering: 2 months
**Experience under licensed engineer:
None**



TASKS

Affiliation: Department of Environmental Monitoring and Information Management

Level of Responsibility: Environmental Technical Specialist working under the Director of the Department of Environmental Monitoring and Information Management

Engineering Tasks and Duties:

I implemented engineering knowledge to manage air quality data collected with Federal Reference Methods (FRM) and Federal Equivalent Methods (FEM) across different air quality regions.

I calculated the concentrations and spatial and temporal variations of air pollutants in 2 metropolitan areas with spreadsheets.

I processed the traffic and meteorological data and calculated the size distributions of ultrafine particles and analyzed the impacts of traffic emissions on the nearby regions.

I used the software package Surfer to visualize the data and delivered the results and findings in a presentation.

All (100%) of the tasks and duties require the applications of engineering knowledge.



REPRESENTATIVE PROJECTS

Project 1: Management of Traffic Air Quality Monitoring Sites in Metropolitan Areas (2019 - 2019)

I managed the data collected with Federal Reference Methods (FRM) and Federal Equivalent Methods (FEM) at traffic air quality monitoring sites across different air quality regions. I calculated the concentrations of air pollutants, including PM2.5, PM10, O3, CO, SO2, and NO2 with spreadsheets. I performed time series analysis for the spatial and temporal variations of air pollutants. I processed the traffic and meteorological data in Taichung City and Tainan City, calculated the size distributions of ultrafine particles, and analyzed the impacts of traffic emissions on the nearby regions. I used the software package Surfer to visualize the data and delivered the results and findings in a presentation.

JHAO-HONG CHEN (20-746-71)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Taoyuan City Government
Taiwan (Taiwan)
Associate Technical Specialist
December 2019—July 2020

Verified by
Yute Chiang
yute.chiang@moenv.gov.tw

Experience Summary
Full-Time
Engineering: 7 months
Experience under licensed engineer:
None



TASKS

Affiliation: Department of Environmental Protection

Level of Responsibility: Associate Technical Specialist working under the Deputy Director of the Department of Environmental Protection

Engineering Tasks and Duties:

I reviewed air emission permit applications and calculated the emission rates and concentrations of regulated air pollutants.

I calculated parameters such as pressure drop, flow rate, and efficiency of air pollution control equipment.

I determined the applicable regulations based on the calculations and issued air construction and operating permits accordingly.

I calculated the concentrations and emission rates of air pollutants and determined if the inspected facilities were in compliance or not.

I investigated the air pollution control equipment and determined if it was functioning properly and providing the required engineering control.

I performed office engineering studies and calculated the fines for the noncompliant facilities.

I operated environmental engineering instruments to measure the concentrations of air pollutants, used the air dispersion modeling system AERMOD to simulate the transport of air pollutants, and calculated the impacts and losses due to emergent air quality episodes.

All (100%) of the tasks and duties require the applications of engineering knowledge.



REPRESENTATIVE PROJECTS

Project 1: Air Permitting (2019 - 2020)

I reviewed air emission permit applications and calculated the emission rates and concentrations of regulated air pollutants. I calculated parameters such as pressure drop, flow rate, and efficiency of air pollution control equipment. I determined the categories of industries and the corresponding applicable regulations. I evaluated the class of air construction and operating permits for the applicants and issued the permits accordingly.

Project 2: Air Inspection (2019 - 2020)

I conducted air inspections for stationary emission sources in industrial areas. I used environmental engineering instruments to measure the emissions of air pollutants at the industrial facilities. I calculated the concentrations and emission rates of air pollutants and determined if the inspected facilities were in compliance or not. I investigated the air pollution control equipment and determined if it was functioning properly and providing the required engineering control. I performed office engineering studies and calculated the fines for the noncompliant facilities.

Project 3: Emergent Air Quality Episodes (2019 - 2020)

I operated environmental engineering instruments to measure the concentrations of air pollutants, used the air dispersion modeling system AERMOD to simulate the transport of air pollutants, and calculated the impacts and losses due to emergent air quality episodes.

JHAO-HONG CHEN (20-746-71)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Washington University in St. Louis
Missouri (United States)
Doctoral Researcher
August 2020 – August 2025

Verified by
Lu Xu
xu1@wustl.edu

Experience Summary
Full-Time
Engineering: 5 years
Experience under licensed engineer:
None



TASKS

Affiliation: Department of Energy, Environmental, and Chemical Engineering

Level of Responsibility: Doctoral Researcher working under an Engineering Professor

Engineering Tasks and Duties:

I designed the combination of the infiTOF mass spectrometer with the thermal desorption gas chromatography (TD-GC) technology.

I developed the TD-GC infiTOF instrument to measure environmental pollutants with high mass resolution and sensitivity.

I calculated the concentrations of environmental pollutants based on the sampling time, flow rate, and mass spectral signal.

I used the PMF receptor model to process and analyze the environmental data.

I developed an offline aerosol mass spectrometry technique for the chemical characterization of samples collected for the SPARTAN project.

I implemented engineering knowledge to combine a small-volume nebulizer with a high-resolution time-of-flight aerosol mass spectrometer.

I calculated the amount and concentrations of chemical reagents needed for extracting and analyzing the environmental samples.

I developed the Multichannel Organics In-situ enviRONmental Analyzer (MOIRA), which has been designed for in-situ mobile measurements of target and non-target VOCs.

I wrote environmental engineering research reports and delivered the results and findings in presentations.

I performed engineering tests and field deployments of MOIRA in St. Louis, Missouri and Louisville, Kentucky.

I identified the measured chemical species and calculated the concentrations of VOCs.

I deployed environmental engineering instruments and conducted field work to measure environmental pollutants in Chicago, Illinois.

I prepared the instruments before the field work and provided maintenance afterwards.

I performed the back-trajectory analysis of wildfire smoke plumes using the HYSPLIT model and estimated the origins of wildfires using satellite data of fire hotspots.

I taught the undergraduate courses "Transport Phenomena II: Energy and Mass Transfer" and "Chemical Reaction Engineering".

I lectured for the graduate course "Atmospheric Science and Climate".

All (100%) of the tasks and duties require the applications of engineering knowledge.



REPRESENTATIVE PROJECTS

Project 1: Combine the infiTOF mass spectrometer with gas chromatography techniques to analyze organic aerosols (2020 - 2023)

I designed the combination of the infiTOF mass spectrometer with the thermal desorption gas chromatography (TD-GC) technology for environmental engineering purposes. I developed the TD-GC infiTOF instrument based on the design to detect and measure environmental pollutants such as volatile organic compounds (VOCs) and organic aerosols (OAs) with high mass resolution and sensitivity. I calculated the concentrations of environmental pollutants based on the sampling time, flow rate, and mass spectral signal. I used the Positive Matrix Factorization (PMF) receptor model, an EPA-supported scientific tool, to process and analyze the environmental data. I wrote an environmental engineering research report and delivered the results and findings in a presentation.

Project 2: Surface PARTiculate mAtter Network (SPARTAN) (2022 - 2025)

I developed an offline aerosol mass spectrometry technique for the chemical characterization of samples collected for the Surface PARTiculate mAtter Network (SPARTAN) project, which provides ground-based observations of PM_{2.5} at the global scale. I implemented engineering knowledge to combine a small-volume nebulizer with a high-resolution time-of-flight aerosol mass spectrometer. I calculated the amount and concentrations of chemical reagents needed for extracting and analyzing the

environmental samples. I calculated the chemical composition of the environmental samples. I delivered the results and findings in a presentation.

Project 3: Development and field application of novel ultrasensitive devices for the measurement of airborne VOCs (2022 - 2025)
I developed the Multichannel Organics In-situ enviRonmental Analyzer (MOIRA), which has been designed for in-situ mobile measurements of target and non-target VOCs. I performed engineering tests and field deployments for the instrument in St. Louis, Missouri and Louisville, Kentucky. I conducted maintenance and repair for the instrument. I calculated the amount and concentrations of chemical reagents needed for preparing the calibration standards. I identified the measured chemical species and calculated the concentrations of VOCs. I processed the data using the Igor Pro software. I delivered the results and findings in a presentation.

Project 4: Community Research on Climate and Urban Science (CROCUS) (2022 - 2025)
I deployed environmental engineering instruments and conducted field work to measure environmental pollutants in Chicago, Illinois. I prepared the instruments before the field work and provided maintenance afterwards. I calculated the amount and concentrations of chemical reagents needed for data analysis. I calculated the concentrations and chemical composition of air pollutants. I delivered the results and findings in a presentation.

Project 5: Atmospheric Evolution of Brown Carbon from Wildfires in North America (2024 - 2025)
I studied the atmospheric evolution of brown carbon from wildfires in North America. I estimated the initial conditions of wildfire plumes by parameterizing the emission ratios of brown carbon and several other chemical species. I performed the back-trajectory analysis of wildfire smoke plumes using the HYSPLIT model and estimated the origins of wildfires using satellite data of fire hotspots. I calculated the evolution of brown carbon as a function of hydroxyl radical with an effective photochemical rate constant.

JHAO-HONG CHEN (20-746-71)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Kansas Department of Health and Environment
Kansas (United States)
Engineering Associate
August 2025—April 2026

Verified by
Stephen Friedrich Bartels
Stephen.Bartels@ks.gov

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



TASKS

Affiliation: Division of Environment

Level of Responsibility: Engineering Associate working under a Licensed Professional Engineer

Engineering Tasks and Duties:

- I conduct complex field and office engineering investigations on emission sources of regulated facilities for performance tests and compliance determinations with federal and state environmental regulations, statutes, and permits.
 - I review, compile, analyze, and interpret the submitted test protocols and reports of high complexity and perform engineering calculations to check the accuracy of the information provided by the regulated facilities.
 - I provide complex engineering consultations and technical assistance to the regulated facilities, other governmental agencies, and the general public on specific environmental programs, engineering protocols, and reference methods.
 - I conduct on-site inspections, performance testing observations, and relative accuracy test audits (RATA) of emission sources to ensure that engineering protocols and sampling procedures are followed and EPA federal reference methods (FRM) are used according to applicable regulations at federal, state, and local levels.
 - I perform environmental engineering calculations and discuss the technical specifics with colleagues and regulated facilities for environmental enforcement actions.
 - I review construction and operating permit applications, analyze emission source information, perform air emission calculations, and compile relevant documents provided by applicants for compliance with the Clean Air Act (CAA) federal regulations and Kansas Air Quality Regulations.
 - I review and analyze modeling reports, policy documents, and technical information for permit applications regulated by the EPA Prevention of Significant Deterioration (PSD) program.
 - I perform engineering calculations and information checks to develop approvals and permits of the corresponding class and type based on the documents provided by regulated facilities and applicable regulations.
 - I develop and update source-specific inspection forms based on the engineering calculations and environmental analysis to ensure that the permits and regulatory requirements are addressed.
- All (100%) of the tasks and duties require the applications of engineering knowledge.



REPRESENTATIVE PROJECTS

Project 1: Environmental Compliance (2025 - 2026)

I review, compile, analyze, and interpret the submitted test protocols and reports of high complexity and perform engineering calculations to check the accuracy of the information provided by the regulated facilities, such as refineries, chemical processing and manufacturing factories, energy recovery centers, and power plants, to determine compliance or violation. I provide complex engineering consultations and technical assistance to the regulated facilities, other governmental agencies, and the general public on specific environmental programs, engineering protocols, and reference methods.

Project 2: Environmental Enforcement (2025 - 2026)

I conduct on-site inspections, performance testing observations, and relative accuracy test audits (RATA) of emission sources to ensure that engineering protocols and sampling procedures are followed and EPA federal reference methods (FRM) are used according to the New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAP), Maximum Achievable Control Technology (MACT), Best Available Control Technology (BACT), Reasonable Available Control Technology (RACT), and applicable regulations. I perform environmental engineering calculations and discuss the technical specifics with colleagues and regulated facilities for environmental enforcement actions. I deliver results and findings in presentations and meetings.

Project 3: Environmental Permitting (2026 - Present)

I review construction and operating permit applications, analyze emission source information, perform air emission calculations, and compile relevant documents provided by applicants for compliance with the Clean Air Act (CAA) federal regulations and Kansas Air Quality Regulations. I review and analyze modeling reports, policy documents, and technical information for permit applications from new major sources or major modifications at existing sources for pollutants regulated by the EPA Prevention of Significant Deterioration (PSD) program. I perform engineering calculations and information checks to develop approvals and permits of the corresponding class and type based on the documents provided by regulated facilities and applicable regulations. I develop and update source-specific inspection forms based on the engineering calculations and environmental analysis to ensure that the permits and regulatory requirements are addressed.

Mechanical

MOHAMED ABDELWAHAB (21-795-11)

All work experience reviewed by two licensed professionals

DISCIPLINE: MECHANICAL

GENERAL


 Applying To **Nevada**

Application Type **Initial - PE**

Application Date **04/15/2026**

Citizenship **Egypt**



SUMMARY



 Engineering Experience after EAC degree

Total Engineering Experience **10 years**

Experience under licensed engineer **None**

Disciplinary Action **None reported**


EDUCATION

 Meets NCEES Engineering Education Standard

Bachelors in Mechanical Engineering
Alexandria University
September 2009–June 2014

Masters in Mechanical Engineering
Alexandria University
September 2016–September 2021

Non-degree
The American University in Cairo
October 2024–November 2024

 **WAIVER REQUEST:** NRS 625.183, ITEM 4, PART B, "TWO OF THE 4 YEARS OF ACTIVE EXPERIENCE MUST HAVE BEEN COMPLETED BY WORKING UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER WHO IS LICENSED IN THE DISCIPLINE IN WHICH THE APPLICANT IS APPLYING FOR LICENSURE, UNLESS THAT REQUIREMENT IS WAIVED BY THE BOARD."

EXAMS

 Fundamentals of Engineering (FE)
EES
December 2023

Principles and Practice of Engineering (PE)
Mechanical
AUC
December 2025

LICENSES

 Additional Licenses **None**

MOHAMED ABDELWAHAB (21-795-11)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

EL-Dalil Egypt
Alexandria (Egypt)
Technical Office Engineer
December 2015—April 2017

Verified by
Mohamed Ahmed Eldalil
mohamed@eldalilegypt.com

Experience Summary
Full-Time
Engineering: 1 year, 4 months
Experience under licensed engineer:
None



TASKS

- Preparing workshop drawings for pressure vessels
- Preparing pressure vessels fabrication quotations,
- Pressure vessel design.
- Review and approve the workshop drawings.



REPRESENTATIVE PROJECTS

I worked at El-Dalil Egypt on many projects and our main scope was focused on Seawater Reverse Osmosis (SWRO) desalination projects, where I was involved in pressure vessel engineering and fabrication support activities for large-scale water production facilities.

My responsibilities included preparing detailed workshop (fabrication) drawings for pressure vessels, ensuring they were suitable for manufacturing and compliant with applicable design codes and project specifications. I was also responsible for pressure vessel design, including defining key design parameters and verifying compliance with ASME requirements.

In parallel, I prepared fabrication quotations for pressure vessels, supporting commercial proposals by defining technical scope, estimating fabrication requirements, and coordinating with workshop and procurement teams to ensure accurate and competitive pricing.

As part of my role, I also reviewed and approved workshop drawings, verifying dimensional accuracy, material specifications, welding details, and inspection requirements prior to fabrication release. This process ensured alignment between design intent and shop execution, reducing fabrication risks and rework.

I contributed to several major SWRO projects, including:

El-Tour SWRO Plant – 6 × 5,000 m³/day

Al-Yousr SWRO Plant – 40,000 m³/day

El-Galalah SWRO Plant – 150,000 m³/day

These projects required pressure vessels designed and manufactured to meet demanding operational and quality requirements. I was also part of the team that successfully achieved the ASME U-Stamp certification for pressure vessels, a key milestone demonstrating full compliance with ASME Boiler and Pressure Vessel Code and reinforcing the organization's manufacturing and quality capabilities.

This experience strengthened my foundation in pressure vessel design, fabrication engineering, code compliance, and ASME certification processes, and provided valuable early exposure to high-capacity desalination projects.

MOHAMED ABDELWAHAB (21-795-11)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

BSF Egypt
Alexandria (Egypt)
Senior Technical Office Engineer
May 2017—June 2019

Verified by
Ehab Attia Selim
bsf@bsfegypt.com

Experience Summary
Full-Time
Engineering: 2 years, 1 month
Experience under licensed engineer:
None



TASKS

- Establishing the technical office procedures,
- Design Reviews, and workshop drawings preparation for shop fabricated tanks and pressure vessels,
- Project pricing, technical and commercial quotation creation.



REPRESENTATIVE PROJECTS

During the period of 2017 till 2019 , I worked at BSF Egypt where I played a key role in establishing and developing the technical office functions, contributing both to project execution and business development activities. This role provided strong exposure to detailed design, fabrication-oriented engineering, and commercial aspects of mechanical projects.

One of my primary responsibilities was establishing technical office procedures, including defining engineering workflows, document control practices, and coordination mechanisms between design, fabrication, and project teams. These procedures helped standardize engineering deliverables, improve review cycles, and ensure consistency in technical outputs across multiple projects.

I was actively involved in design reviews and preparation of workshop (shop fabrication) drawings for shop-fabricated storage tanks and pressure vessels. This included translating design calculations and project specifications into detailed fabrication drawings suitable for manufacturing, inspection, and assembly. The work required close coordination with fabrication workshops to ensure that designs were practical, cost-effective, and compliant with applicable codes and standards.

As part of this role, I supported major national power generation projects in Egypt, including the Beni Suef Combined Cycle Power Plant and the El Burullus Power Plant. My contributions included reviewing mechanical designs, preparing fabrication documentation, and supporting technical clarifications related to tanks and pressure vessels used within the Balance of Plant scope. These projects demanded high levels of accuracy and strict adherence to schedule due to their strategic importance and fast-track nature.

In addition to power generation projects, I worked on the design of storage tanks and mechanical components for industrial clients such as SGM Sukari Gold Mines and EZZ Steel. These assignments required adapting designs to harsh operating environments, heavy-duty industrial service, and specific client standards. The scope often involved tailoring standard tank designs to meet site-specific operational, safety, and maintenance requirements.

Beyond engineering execution, I was also responsible for project pricing and preparation of technical and commercial quotations. This included interpreting client inquiries, defining technical scope, estimating material and fabrication costs, coordinating with procurement and workshop teams, and preparing competitive bids aligned with contractual and technical requirements. This exposure strengthened my understanding of the commercial drivers behind engineering decisions and enhanced my ability to balance technical excellence with cost and schedule considerations.

Overall, this experience provided a strong foundation in technical office leadership, fabrication-focused design, and project commercialization, complementing my later EPC project experience and enabling me to manage mechanical and static equipment scopes with a holistic engineering and business-oriented perspective.

MOHAMED ABDELWAHAB (21-795-11)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

*Elsewedy Electric PSP
Cairo (Al Qāhira) (Egypt)
Engineering Section Head
June 2019—January 2026*

Verified by
ahmed sabry
ahmed.sabry@elsewedypsp.com

Experience Summary
Full-Time
Engineering: 6 years, 7 months
Experience under licensed engineer:
None



TASKS

- Responsible for the CAD Packages & numerical analysis
- Managing the static equipment Section.
- Responsible for the design and review of all mechanical equipment related to power generation plants including Bypass Stacks, Diverter Dampers, HRSG, main Stacks, Pressure Vessels, Filters, Heat Exchangers and Storage Tanks



REPRESENTATIVE PROJECTS

Across multiple international power generation projects, I have been responsible for managing the static equipment packages for both simple cycle and combined cycle power plants, working with major utilities and developers across the Middle East and Europe. My role consistently covered the full Engineering, Procurement, and Construction (EPC) lifecycle, ensuring technical compliance, quality, and successful delivery from early engineering through commissioning.

At the Aweer Simple Cycle Power Plant in the UAE, in collaboration with SIEMENS Energy & Dubai Electricity and Water Authority (DEWA) during the period of 2019 till 2021,

I reviewed all static equipment packages, pressure vessels, Above ground storage tanks (fuel oil tanks & Water tanks), Exhaust stack system, and heat exchangers.

In all of the previous mentioned packages, the packages reviewing including design drawings, datasheets, calculation sheets and numerical analysis results, coordination across the different suppliers, and coordination with other engineering disciplines.

Similarly, for the Layyah Combined Cycle Power Plant in Sharjah with MITSUBISHI & Sharjah Electricity and Water Authority (SEWA) from 2020 till 2023,

I reviewed all static equipment packages, pressure vessels, Above ground storage tanks, Bypass exhaust stack system, Heat Recovery Steam Generator (HRSG) and heat exchangers.

While the main difference here from Aweer plant, is that combined cycle includes HRSG and I was main responsible for reviewing the static equipment in HRSG including the drums, Steam turbine including Flash tanks (working in creep conditions), the water treatment plant in which I was reviewing the filters as a pressure vessels.

In all of the previous mentioned packages, the packages reviewing including design drawings, datasheets, calculation sheets and numerical analysis results, coordination across the different suppliers, and coordination with other engineering disciplines.

In Saudi Arabia, I played a key role in managing static equipment packages for the Rabigh and Almourjan Combined Cycle Power Plants (starting date is 2024 till date), working closely with ACWA Power and Saudi Electricity Company (SEC).

I designed the pressure vessels, including air receivers, pressurized expansion tanks and flash tanks (which designed to withstand 510 degrees Celsius working in creep conditions) these designs includes all material selection, design calculation (as per ASME SEC VIII Div.1) General Arrangement Drawings and Datasheets, Finite Element Analysis (only for the flash tanks)

It's good to mention that all of our pressure vessels designed, manufactured and stamped (U-Stamp) according to ASME BPVC.

I designed as well the above ground storage tanks including fire and service water tanks and Demin water tanks according to API 650 and they are in service now.

I reviewed the by-pass stack and diverted damper systems and attended the Factor Acceptance Test (FAT) before shipping to site.

I reviewed the HRSG components design including the drums and heat transfer surfaces, I reviewed all the PO documentation with HRSG Supplier and making sure of his compliance with the project specifications and industry practices.

I reviewed the self-cleaning strainers and plate heat exchanger packages and attended the FAT

Beyond the Middle East, I managed the mechanical scope for the Matra Combined Cycle Power Plant in Hungary started in March 2025 and the project expected delivery and taking of certificate (TOC) is in 2029, contributing to a European EPC environment with different regulatory frameworks and client expectations. This experience strengthened my ability to adapt engineering practices to local codes while maintaining consistency with global best practices in static equipment design and quality control.

Across all these projects, my responsibilities extended beyond engineering (design, reviewing, approving) into procurement support (supplier selection and technical evaluation) and construction and pre construction phases (FATs, Construction support and RFI replies).

MOHAMED ABDELWAHAB (21-795-11)

All work experience reviewed by two licensed professionals

ADDITIONAL INFORMATION



TIME GAPS

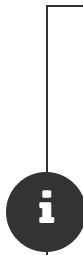
Start Date	End Date	Explanation
July 2014	November 2015	Military service ended in November -30- 2015

NOAH MERCADO (22-015-18)

All work experience reviewed by two licensed professionals

DISCIPLINE: MECHANICAL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
04/27/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree
4 years, 4 months

Total Engineering
Experience
4 years, 4 months

Experience under licensed
engineer
4 years, 4 months

Disciplinary Action
None reported



EDUCATION



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

EXAMS



Fundamentals of Engineering (FE)
Nevada
July 2021

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



LICENSES



Additional Licenses
None

NOAH MERCADO (22-015-18)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Stantec
Nevada (United States)
Process Mechanical EIT
December 2021 – April 2026

Verified by
Timur Ayvaz
Timur.Ayvaz@stantec.com

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

TASKS

During my time as a Mechanical Engineer EIT specializing in pump station design, I have developed a strong technical foundation through continuous engagement with professional engineering projects and standards. My work demonstrates a clear understanding of pump-station-specific construction elements such as suction and discharge piping, valve assemblies, mechanical appurtenances, and equipment clearances. I am able to take these elements and apply how they relate to hydraulic performance, mechanical design intent, constructability, and defined work area limits. Through active involvement in pump station design and rehabilitation projects, I have strengthened my ability to identify technical issues, such as hydraulic imbalance, insufficient NPSH, equipment conflicts, and layout constraints. I respond to these challenges by implementing timely, appropriate corrective actions that maintain safety, system reliability, and overall project objectives.

Under the direction of senior engineers, I routinely perform mechanical design tasks integral to pump stations, including preparing engineering drawings, equipment layouts, P&IDs, and perform calculations such as pump sizing, system head curve development, friction loss analysis, and mechanical equipment selection. As my experience has expanded, I have progressed to independently preparing more advanced mechanical calculations such as pump performance evaluations, system hydraulics checks, and detailed equipment coordination. Then being able to review fundamental design work to verify accuracy, constructability, and compliance with applicable codes, client requirements, and industry standards such as AWWA, ASME, and HI guidelines.

REPRESENTATIVE PROJECTS

December 2021-Present: FWRC Secondary Treatment Aeration Basins and Clarifiers Expansion, Nevada. I was responsible for designing several pump systems throughout the aeration basins, clarifiers, and associated support buildings, including the blower and electrical facilities.

January 2022 - Present: Greeley WTRF Primary and Phosphorus Side Stream Treatment Upgrades, Colorado. I designed the influent pump station which included replacing three vertical turbine pumps, a submersible pump, and multiple slide gates in the wet well. I also recommended upgrades to the headworks screens and washer-compactors. Earlier in the project I calculated the size of several sludge pumps that would be affected by struvite accumulation.

February 2022 - April 2023: Tucson Wells Project, Arizona. I was responsible for analyzing well drilling logs, sizing submersible well pumps, and preparing pump and discharge piping plans.

February 2022 - Present: Stage II Reliability Project, Nevada. I contributed to the design of the new 90-MGD Monthill Pump Station, its forebay, and more than two miles of 66-inch steel transmission pipeline. My work included mechanical design for four 3000-hp horizontal split-case pumps and several specialized vaults, including a bidirectional rate-of-flow control station.

September 2022 - November 2022: West Shore Lake Pontchartrain Pump Stations, Louisiana. I recommended a motorized bridge crane system into the building structure which ensured that large pump components could be accessed, removed, and maintained effectively.

September 2022 - April 2023: Bluesky. I calculated the capacity of several centrifugal and positive displacement pumps across the entire advanced treatment process.

September 2022 - Present: Bull Run Filtration Facility, Oregon. Using AFT Fathom, I calculated the required pump sized for the soda ash chemical injection system, which distributes chemical feed to multiple locations from a centralized pump station and tank. I also calculated the size of a submersible sump pump and davit crane for the wash water equalization basins.

January 2024 - Present: IWVGA Water Conveyance Pump Stations, California. I designed three pump stations containing a total of 21 vertical turbine pumps across multiple capacity scenarios. My responsibilities included assisting with the design of the pump station mechanical system layout and a liquid sodium hypochlorite disinfection.

March 2025 - Present: Sand Island WWTP Secondary Treatment Phase 2 expansion, Hawaii. I calculated the size of positive displacement sludge pumps, analyzed the capacity of existing pumps, and designed the pipe routing for suction and discharge piping throughout the digester control building.

November 2025 - Present: Portales Lime Street Tank, New Mexico. I was responsible for designing the replacement of three vertical turbine pumps, 2 slide gates, and equipment within a disinfection system.

December 2025 - Present: Grant Regional Water Project, New Mexico. I was responsible for layout and sizing two skid mounted booster pumps and the sodium hypochlorite system.

January 2026 - Present: Veolia PFAS, Idaho. I analyzed operational pump data and performed deep well pump sizing calculations to meeting future additional treatment system configurations.

January 2026 - Present: Dunn RCW system. I am analyzing the size of a future reclaim water pump station for an entire treatment plant.

FLETCHER RYDALCH (15-600-76)

All work experience reviewed by two licensed professionals

DISCIPLINE: MECHANICAL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
04/06/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree
8 years, 3 months

Total Engineering
Experience
8 years, 3 months

Experience under licensed
engineer
8 years, 3 months

Disciplinary Action
None reported



EDUCATION



Bachelors in Mechanical Engineering (EAC)
US Naval Academy
August 2009–May 2015

Masters in Mechanical Engineering (EAC)
Naval Postgraduate School
June 2015–June 2016

Masters in Business Administration
Harvard University
August 2023–May 2025



EXAMS



Fundamentals of Engineering (FE)
California
October 2015

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

LICENSES



Additional Licenses
None

WORK EXPERIENCE

US Navy
Washington (United States)
Nuclear Engineer Officer
May 2015—August 2023

Verified by
Marshall Geary Millett
milleight@gmail.com

Experience Summary
Full-Time
Engineering: 8 years, 3 months
Post EAC degree: 8 years, 3 months
Experience under licensed engineer:
8 years, 3 months

TASKS

I served as a Nuclear Submarine Warfare Officer in the U.S. Navy with primary responsibility for nuclear engineering, reactor plant operations, and mechanical/electrical system reliability.

From July 2016 to February 2017, I completed Naval Nuclear Power School, followed by Nuclear Prototype training (February 2017 to December 2017) in Charleston, SC, where I operated a naval S5W reactor plant. I performed system-level analysis, conducted operational testing, and led teams in real-time control of reactor, steam, electrical, and fluid systems under varying load and casualty conditions (90% of my time was spent on Engineering and Engineering Supervision).

From April 2018 to December 2020, I served aboard USS Louisiana (SSBN 743) in progressively senior engineering roles. As Electrical Assistant (April 2018–October 2018), I managed electrical generation and distribution systems, performing fault analysis, preventive maintenance planning, and system troubleshooting to ensure continuous operation of safety-critical systems. As Chemistry and Radiological Controls Officer (October 2018–June 2019), I directed reactor chemistry control, radiological monitoring, and contamination mitigation, applying material science and corrosion control principles to maintain system integrity. As Assistant Engineer (June 2019–December 2020), I supervised operation and maintenance of reactor plant mechanical and fluid systems, including pumps, valves, heat exchangers, and pressurized systems. After qualifying as a Nuclear Engineer Officer (December 2019) for an S8G Nuclear Reactor, I served as senior supervisor for nuclear reactor refueling operations, leading engineering planning and execution of reactor disassembly, fuel transfer, and system restoration during a major overhaul. Concurrently, as Docking Officer (October 2019–December 2020), I led engineering efforts for drydock operations, including structural load planning, stability analysis, and system isolation.

From January 2021 to August 2023, at U.S. Naval Forces Southern Command / U.S. Fourth Fleet, I applied engineering judgment to submarine transit operations, including Panama Canal transits, waterway constraints, and risk-based decision-making as the Senior Officer Present.

REPRESENTATIVE PROJECTS

June 2015–July 2016 UAV Delivery Vehicle Design and Construction, California
I was the project lead for designing and building a UAV-delivery rocket under the direction of my thesis advisor. I designed the rocket using CAD, then machined the rocket from “off-the-shelf” materials. I programmed a feedback loop that was optically guided to detect a “swarm” of UAVs and then position itself above the swarm for deployment of munitions.

February 2017–February 2018 Engineering Officer of the Watch (S5W Nuclear Reactor Plant) Charleston, SC
I directed a team of instructors and students as we operated a nuclear reactor. I integrated information from various gauges and displays, then calculated what the outcome of each action would be. I would then direct electrical loading, valve positioning, or reactor fuel rod movements and verify responses. Between teachers and students, my teams consisted of about 16 people.

April 2018–January 2019 Electrical Officer, Bangor, Washington / Pacific Ocean
I analyzed electrical power distribution systems for a nuclear propulsion plant. I calculated load distributions and evaluated circuit protection coordination to identify electrical faults and ground conditions to troubleshoot and perform plant operations. I developed an urgent systematic fault isolation methodology by analyzing system diagrams and verifying continuity and insulation resistance during a ground isolation casualty while underway. I verified system isolations for tagout and maintenance procedures and then monitored evolutions that included work on those systems. I approved work for my 20 sailors.

October 2019–July 2019 Reactor Coolant Chemistry Control for Startup and Shutdown Operations, Pacific Ocean
I calculated chemical additions to reactor coolant and secondary steam systems to maintain corrosion control and material integrity within a pressurized nuclear propulsion system. I determined concentration targets, dilution factors, and expected chemical response bands based on system volume, temperature, and pressure conditions. I evaluated the effects of chemistry on material degradation mechanisms, including corrosion and fatigue. I verified compliance with plant chemistry limits during reactor startup, steady-state operations, and controlled shutdown.

June 2019–October 2019 Drydock Ballasting and Structural Support Analysis for Refueling Alignment, PSNS, Bremerton, Washington

I calculated required ballast conditions and internal liquid distribution to achieve docking alignment within approximately 0.5 degrees for nuclear refueling operations on a submarine hull structure. I evaluated load transfer between the hull and keel/block supports to ensure structural loads remained within allowable limits during dewatering. I verified stability conditions at each stage of drydock operations. I drove the submarine to the drydock for docking.

October 2019–December 2020 Mechanical and Electrical Isolation Boundary Verification During Engineered Refueling Overhaul, PSNS, Bremerton, Washington

I analyzed interconnected mechanical and electrical systems within a nuclear propulsion plant undergoing refueling and maintenance. I calculated energy levels and then verified adequate isolation boundaries to prevent unintended energy transfer, pressure release, or mechanical movement. I evaluated system dependencies across piping, electrical, and hydraulic systems to ensure safe maintenance conditions. I contributed to the overall timeline and planning of the 3-year maintenance period.

February 2020–December 2020 Reactor Refueling, S8G Nuclear Reactor, PSNS Bremerton, Washington

I approved the movements of spent uranium fuel from the reactor vessel to the storage location in the shipyard. I approved the movement of new fuel cells to the reactor vessel. I was the senior certifying officer and received all reports from individual teams preparing for the movement. I then integrated the reports and verified that all conditions were met to allow for the safe transfer of nuclear material. Between the four teams (regulatory teams, shipyard workers, contractors, and sailors), there were 40 (+) people involved, and many reports. I audited completed documents and ensured that the transfer was successful.

January 2021–August 2023 Submarine Transit Speed of Advance and Navigational Constraint Analysis, Mayport, Florida / Caribbean Sea / Panama Canal

I calculated the required speed of advance for submarine transits through constrained waterways, including the Panama Canal, based on propulsion limits, channel geometry, and lock sequencing constraints. I evaluated maneuverability limits and environmental conditions to determine safe operating envelopes. I calculated transit timing, separation distances, and routing constraints to prevent collision risk and ensure safe multi-vessel coordination. I analyzed water depth, seabed contours, and under-keel clearance requirements to define operational boundaries and ensure safe navigation through restricted channels.

WORK EXPERIENCE

Trident Waves LLC
Idaho (United States)
Managing Director
June 2025—March 2026

Verified by
Fletcher Rydalch (Self)

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

TASKS

As the sole member of Trident Waves, LLC, I was responsible for sourcing, evaluating, and executing acquisition opportunities within engineering-related service industries. My primary duties included conducting technical and operational due diligence, with a focus on understanding engineering service delivery, inspection methodologies, safety standards, and regulatory environments.

From an engineering perspective, I analyzed the technical capabilities of target companies, including the quality and consistency of engineering inspections, adherence to applicable codes and standards, and the reliability of existing processes. This required applying engineering judgment to assess risk, evaluate system-level operations, and determine whether technical practices aligned with industry expectations. I also reviewed documentation, reports, and operational workflows to understand how engineering services were executed in practice.

In parallel, I was responsible for all business and financial aspects of the acquisition process, integrating my engineering background with my MBA training. This included developing financial models, evaluating revenue streams tied to engineering services, assessing cost structures, and determining long-term operational sustainability. I maintained full responsibility for budgeting, capital allocation, and investment decision-making.

The culmination of this work was the acquisition of Recreation Engineering, LLC in December 2025. This required synthesizing both engineering and business analyses to make an informed acquisition decision and assume full operational responsibility.

Approximately 40% of my responsibilities during this period were directly engineering-related, with the remaining 60% focused on business, financial, and operational management.

REPRESENTATIVE PROJECTS

As the sole member of Trident Waves, LLC, I led the acquisition and technical evaluation of Recreation Engineering, LLC, an engineering firm specializing in inspection, testing, and consulting within the amusement industry. This effort required developing a detailed understanding of engineering design, inspection methodologies, and failure mechanisms specific to amusement rides and related systems.

A primary component of my role was reviewing engineering drawings and design documentation associated with amusement ride systems. This included evaluating structural elements, mechanical assemblies, and load-bearing components to understand how design intent translated into real-world performance. I developed familiarity with common design approaches used in the industry, including welded and bolted structural systems, dynamic loading conditions from ride operation, and safety factor considerations. I focused specifically on identifying critical failure points that are essential during inspection activities. These included areas susceptible to fatigue cracking, weld defects, stress concentrations, and wear in high-cycle mechanical components. I evaluated how repeated dynamic loading, environmental exposure, and maintenance practices influence long-term material behavior and system reliability. This required applying principles of mechanics of materials, fatigue analysis, and failure theory to assess risk and prioritize inspection focus areas.

In addition to design evaluation, I conducted detailed reviews of internal quality assurance (QA) processes and inspection procedures. This included analyzing how inspection activities were sequenced, documented, and verified to ensure consistency and compliance with applicable standards. I assessed whether QA protocols effectively captured critical inspection points and whether documentation supported traceability and defensibility of engineering conclusions.

My role also involved understanding how engineering inspections are implemented in practice, including coordination of field activities, reporting standards, and communication of findings to clients. This required integrating technical analysis with practical execution constraints, ensuring that engineering evaluations were both accurate and operationally feasible.

This experience represents a progression from foundational engineering analysis to applied evaluation of real-world systems and processes within a specialized industry. It strengthened my ability to interpret engineering designs, identify failure risks, and assess the effectiveness of inspection and quality assurance systems—skills directly aligned with professional engineering

practice.

LETTER OF EXPLANATION

SELF-VERIFICATION

Work Experience	Verifier	Verification Date
Trident Waves LLC Jun. 2025 — Mar. 2026	Fletcher Rydalch (Self)	03/25/2026 04:56pm EDT



EXPLANATION

I am the sole member and owner of Trident Waves, LLC and therefore do not have a supervisor available to independently verify my employment. During this period, I maintained and further developed my engineering experience through active evaluation of engineering-related industries and professional service businesses. This included technical due diligence, operational assessments, and analysis of engineering service delivery models across multiple sectors.

In December 2025, I acquired Recreation Engineering, LLC, an engineering inspection and consulting firm. As part of this process, I performed engineering-focused evaluations of the company's technical capabilities, service offerings, and operational systems. This work required application of engineering judgment in assessing inspection methodologies, safety standards, and engineering practices within the amusement and entertainment industry.

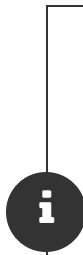
Given the nature of self-employment and ownership, there was no licensed supervisor to provide verification. This experience is therefore submitted as self-verified in accordance with NCEES guidelines.

ROBERT WITTE (22-060-59)

All work experience reviewed by two licensed professionals

DISCIPLINE: MECHANICAL

GENERAL



Applying To
Nevada

Application Type
Initial - PE

Application Date
04/02/2026

Citizenship
United States

SUMMARY



Engineering Experience
after EAC degree
4 years, 2 months

Total Engineering
Experience
4 years, 2 months

Experience under licensed
engineer
4 years, 2 months

Disciplinary Action
None reported



EDUCATION



Bachelors in Mechanical Engineering (EAC)
Baylor University
August 2017–May 2021

EXAMS



Fundamentals of Engineering (FE)
Arizona
September 2021

Principles and Practice of Engineering (PE)
Mechanical
Michigan PE
March 2026



LICENSES



Additional Licenses
None

ROBERT WITTE (22-060-59)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Wilson Engineers
Arizona (United States)
Design Engineer
June 2021 – December 2021

Verified by
Robert Witte (Self)

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



TASKS

Supported design and coordination for municipal infrastructure projects, including the Jomax Water Refinement Facility Expansion. Designed odor control systems utilizing biofiltration foul air treatment processes and aeration basin upgrades to improve treatment performance.



REPRESENTATIVE PROJECTS

Supported design and coordination for municipal infrastructure projects, including the Jomax Water Refinement Facility Expansion. Designed odor control systems utilizing biofiltration foul air treatment processes and aeration basin upgrades to improve treatment performance.

ROBERT WITTE (22-060-59)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

EAPC Architects Engineers
Arizona (United States)
Mechanical Engineer (EIT)
January 2022—March 2026

Verified by
Kevin Scott D
kevin.dominick@eapc.net

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

I design HVAC, plumbing, and fire protection systems for complex facilities, performing engineering calculations, system analysis, equipment sizing, and preparation of technical specifications to ensure performance, reliability, energy efficiency, and compliance with applicable codes and standards. My work includes interpretation and application of the International Mechanical Code (IMC), International Plumbing Code (IPC), NFPA standards, and ASHRAE guidelines.

I lead mechanical engineering efforts through all project phases, from conceptual design through construction administration and closeout. Responsibilities include coordinating with architectural, structural, electrical, and specialty disciplines; evaluating alternative system approaches; and ensuring designs meet functional requirements, budget constraints, and schedule milestones.

I served as a primary mechanical engineer for a major laboratory and clinical facility project at Banner University Medical Center Tucson, supporting design, coordination, construction administration, and commissioning of mission-critical HVAC and utility systems within an operational healthcare environment.

During construction, I review contractor submittals and shop drawings, respond to requests for information, investigate field conditions, and resolve conflicts affecting system performance or installation feasibility. I regularly coordinate with owners, facility staff, and contractors to address system deficiencies identified during installation and commissioning.

I specify and evaluate mechanical equipment including custom air handling units, chillers, VRF and split systems, VAV terminals, and heat or energy recovery systems. This includes performing life-cycle cost analyses, assessing maintainability and reliability, and coordinating with manufacturers to support owner equipment selection. My work directly affects occupant safety, indoor environmental quality, and building operational performance.

REPRESENTATIVE PROJECTS

I served as the main mechanical engineer (EIT) responsible for HVAC and plumbing design for a renovation and expansion of the clinical laboratory within Banner University Medical Center Tucson. I performed heating and cooling load calculations, ventilation analysis, equipment selection, duct and piping layout, and coordinated with architectural, electrical, and structural disciplines from schematic design through construction administration and project closeout. The design required maintaining strict pressure relationships, air change rates, and temperature control to comply with laboratory safety requirements while integrating new systems into an existing operational hospital. I applied IMC, IPC, ASHRAE 62.1, ASHRAE 170, and FGI Guidelines to ensure proper ventilation and infection control. During construction, I reviewed submittals, responded to RFIs, and participated in the final punch walk to verify system performance. I led design and construction review meetings all the way from schematic design through project closeout. This project directly supported public health and safety by providing controlled environments for handling potentially hazardous biological materials.

I designed medical gas systems for an emergency department expansion including trauma, triage, and treatment areas with multiple zone valve boxes. Responsibilities included determining oxygen, medical air, and vacuum outlet quantities based on room function, sizing piping using demand calculations, and coordinating routing with structural and architectural constraints. I ensured zone valve box locations met visibility and accessibility requirements and maintained system redundancy for life safety. The design complied with NFPA 99, FGI Guidelines, and applicable plumbing codes. I coordinated with equipment planners and clinicians to confirm functional requirements. This system is critical to patient care, providing reliable life-support gases for emergency and trauma treatment while minimizing risk of system failure.

I served as mechanical engineer for a new MRI suite addition, responsible for HVAC and plumbing design including specialized cooling, ventilation, and equipment coordination. I performed load calculations accounting for high internal heat gains from

imaging equipment, as well as meeting required air change rates per ASHRAE 170. I also designed systems to maintain tight temperature and humidity tolerances required for MRI operation. The design included coordination of non-ferrous components, equipment access clearances, and integration with existing building systems. I applied IMC, IPC, ASHRAE standards, and manufacturer requirements. During construction, I reviewed shop drawings and responded to field issues to ensure proper installation and system performance. Reliable environmental control is essential to protect expensive equipment, maintain image quality, and ensure patient and staff safety.

I performed HVAC pre-test and balance (TAB) services for campus facilities at Arizona State University to test if current mechanical systems operated in accordance with original design intent. Responsibilities included measuring airflow, water flow, electrical draw, and system pressures; and diagnosing performance deficiencies. I evaluated discrepancies between original design documents and field conditions, identified causes of inadequate ventilation or improper pressurization, and recommended corrective actions to contractors and facility staff. Work required interpretation of mechanical drawings, sequences of operation, and applicable codes to ensure proper indoor air quality and occupant comfort. This role involved independent technical judgment in live building environments and direct coordination with stakeholders to resolve issues affecting system performance. Accurate system balancing is essential to maintaining ventilation effectiveness, energy efficiency, and occupant health and safety.

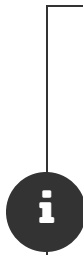
Land Surveyor

BLAKE COZIAR (22-975-44)

All work experience reviewed by two licensed professionals

DISCIPLINE: LAND SURVEYING

GENERAL



Applying To
Nevada

Application Type
Initial - PS

Application Date
01/27/2026

Citizenship
United States

SUMMARY



Total Surveying Experience
5 years, 3 months

Experience under licensed surveyor
3 years, 10 months

Other Experience

Disciplinary Action
None reported



EDUCATION



Bachelors in General Studies
University of Nevada, Reno
August 2001–December 2009

Bachelors in Land Surveying/Geomatics
Great Basin College
August 2019–May 2022



EXAMS



Fundamentals of Surveying (FS)
Nevada
July 2022

Principles and Practice of Surveying (PS)
Nevada
December 2025

LICENSES



Additional Licenses
None

BLAKE COZIAR (22-975-44)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Enterprise Rent-a-Car
Nevada (United States)
Branch Manager
January 2010—June 2014

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

BLAKE COZIAR (22-975-44)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Sysco Corporation
Nevada (United States)
Sales Associate
June 2014—November 2015

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

BLAKE COZIAR (22-975-44)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

*The Little Waldorf Saloon
Nevada (United States)
Assistant General Manager
November 2015—July 2018*

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

BLAKE COZIAR (22-975-44)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Washoe Public House
Nevada (United States)
General Manager
July 2018—November 2020

Verified by

Experience Summary

Full-Time

Other: (0%)

Experience under licensed surveyor:

None



DESCRIPTION

BLAKE COZIAR (22-975-44)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Wood Rodgers inc.
Nevada (United States)
Chain Man, Party Chief
November 2020—September 2024

Verified by
Kevin Michael Almeter
kalmeter@woodrogers.com

Experience Summary
Full-Time
Surveying: 3 years, 10 months
Experience under licensed surveyor:
3 years, 10 months

TASKS

At Wood Rodgers, my tasks and duties evolved significantly over the course of my employment. I began as a chainman, supporting the survey crews in the field while gaining exposure to a wide range of project types. During this early phase, I primarily worked on construction staking jobs and learned from various party chiefs who each had different workflows and standards. My responsibilities included managing field equipment, performing plan check verification, and providing general assistance to the party chief to ensure that daily tasks ran smoothly and efficiently. I worked in this capacity while attending school for the first three years of employment, which gave me a strong technical foundation both in the classroom and in the field. After graduating, I was promoted to party chief and began operating my own assignments with more autonomy. In this role, I coordinated regularly with office surveyors, ran construction staking, and performed topographic and boundary surveys, as well as various small-scale projects. I also obtained my Part 107 certificate, which allowed me to operate UAV flights and participate in scanner projects. During this period, I was trusted to lead the POA-11 addition project at the Coeur-Rochester mine outside Lovelock, Nevada, and I managed field work in Oakland, California for a new city-wide bike route system. By the end of my tenure, I was assisting in virtually all facets of the survey department, including ALTA/NSPS surveys, flight processing, and general support for both field and office operations.

REPRESENTATIVE PROJECTS

2022–2023

One of the major projects I worked on during this period was the POA-11 expansion at the Coeur-Rochester mine, located roughly thirty minutes outside of Lovelock, Nevada. For the duration of this assignment, I relocated to Lovelock and served as the sole representative for Wood Rodgers on site. I began by shadowing and assisting the outgoing mine representative for several weeks. During this short transition, I demonstrated the field competency and communication skills necessary to manage the project independently, and I was selected to take over the mine surveying responsibilities for the remainder of the contract, which lasted just over a year.

My primary role involved QA/QC support for various contractors. I produced as-built surveys for water lines, bolt patterns, utilities, and structural components to ensure proper documentation and verification. I performed layout and staking for structures, gridlines, and site improvements for multiple entities operating simultaneously on the mine property. I also provided grade staking and elevation checks for the dirt-work contractor to support earthwork activities.

In addition, I handled recurring survey tasks that required ongoing monitoring. This included checking contingency pond elevations and conducting quarterly UAS flights over the site. I was responsible for setting aerial targets, executing the drone flights, processing the data, and delivering results to senior staff for volume analysis and project tracking. After the successful completion of the POA-11 project and the closure of our contract, I returned to Reno and resumed my role as a party chief.

2023–2024

During this period, I participated in fieldwork for a city-wide bicycle infrastructure project in Oakland, California. The project involved multiple stakeholders and required surveying more than one hundred intersections across the city. I served as the party chief of an out-of-town crew during two multi-day deployments. Each time, my crew and I traveled to Oakland on a Sunday and worked full days through Friday.

For this project, I operated an SX10 scanning instrument, setting up in the center of intersections to perform full-dome 360° scans. In addition to LiDAR acquisition, we collected topographic features that could not be captured by the scanner alone. I was responsible for organizing and submitting field survey data and scan files for each location, as well as assisting with post-processing scanner datasets back in Reno. Once our field assignments were complete, I returned to standard field duties in the Reno office.

BLAKE COZIAR (22-975-44)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Mapca Surveys inc.
Nevada (United States)
Party Chief
October 2024 – March 2025

Verified by
Mickey Hatt
mhatt@f3-inc.com

Experience Summary
Full-Time
Surveying: 5 months
Experience under licensed surveyor:
None



TASKS

At Mapca I was hired directly into a party chief role. Because the company operated with a smaller staff, most projects were completed by one-person field crews. I was equipped with a full survey truck, instruments, and support equipment, and was trusted to independently plan and execute my daily workload. My responsibilities included performing boundary surveys, topographic surveys, ALTA surveys, and construction staking for public and private clients. I worked at Mapca for approximately six months, and during that time I was assigned out-of-town fieldwork, began assisting the photogrammetry department on a limited basis, and was given entire projects to manage from fieldwork through deliverables.



REPRESENTATIVE PROJECTS

2024

One of the projects I worked on during this period was a combined boundary and topographic survey in remote Northwest Nevada. Another party chief and I were assigned to complete the work due to the isolation of the site and limited logistical support. I mobilized early, driving to Cedarville, California the day before starting field operations. The project lasted three days, with roughly one hour of additional travel into Nevada each morning to reach the property.

The site was completely outside cellular coverage, and I worked until sunset each day. My tasks included locating and verifying boundary evidence for a remote parcel and collecting topographic data along a dirt access road. Upon completion, I returned to Reno and resumed standard survey work within the local region.

2024–2025

Another project I completed at Mapca involved the replacement of a main water line through a developed area of South Lake Tahoe, California. The work included upgrading the mainline itself and installing new water laterals for affected parcels. I was responsible for locating the newly installed laterals, recording both horizontal positions and elevations, and maintaining accurate parcel-by-parcel tracking throughout the project area. The coverage area totaled more than sixty acres and included numerous individual properties.

In addition to field measurements, I maintained the survey control network supporting the project, ensuring consistency between phases of installation. Once field data was collected, it was used to document infrastructure updates and provide accurate records for the client and utility providers.

BLAKE COZIAR (22-975-44)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Odyssey Engineering Inc.
Nevada (United States)
Office Surveyor
April 2025—April 2026

Verified by
Frank Allen Bidart
frank@odysseyreno.com

Experience Summary
Full-Time
Surveying: 1 year
Experience under licensed surveyor:
None



TASKS

At Odyssey Engineering, I was hired into the office to focus on the processing and production side of surveying. Since starting, I have been learning how survey work progresses from field acquisition to final deliverables, and I have increased my responsibilities as I have gained experience. I am responsible for setting up incoming projects for the field crew, which includes reviewing scopes of work, identifying control, and conducting record research. My research utilizes resources from state agencies, county databases, the Nevada Department of Transportation, and other applicable record sources. I coordinate with the scheduling manager to plan field activities and ensure the crew has the information and resources necessary. Once fieldwork is completed, I process raw data and integrate it into project. I have been involved in the preparation of parcel maps, ALTA/NSPS Land Title Surveys, topographic surveys, Records of Survey, and tract maps. I also process UAS flight data collected by field crews, including surface modeling and integration into design or mapping.



REPRESENTATIVE PROJECTS

2025

One project I worked on at Odyssey Engineering was an ALTA survey at Lemmon Valley in North Reno. This project involved several parcels being bought and used for development. I was responsible for beginning record research of the area. I accessed previous deeds and maps, as well as zoning and FEMA requirements. This also involved contacting the Nevada Department of Transportation for right of way maps of surrounding streets and the highway. As field data began to come in I used it to resolve the boundary and create my 2D base for the project. I plotted all existing easements and right of ways. I then reconciled my record and field data to create the map. This project also had vertical requirements and I used collected drone data to create an accurate surface model. The title report was acquired and I used it and the provided Table A requirements to create this ALTA/NSPS survey. I proof read the survey several times before creating the final product to be issued to the client.

7. March 12, 2026, Board Meeting Minutes

NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS
Minutes of the Regular Board Meeting
Held at 1755 E Plumb Lane, Suite 258, Reno, NV 89502
on Thursday, March 12, 2026, at 9:30am

Board members participating were Chair Brent Wright, PE/SE; Vice-chair Matt Gingerich, PLS; Angelo Spata, PE; Karen Purcell, PE; Greg DeSart, PE, Tom Matter, Public Member; Michael Kidd, PLS; Robert Fyda, PE, and Jay Dixon, PE.

Also participating were Mark Fakler, Executive Director; Chris MacKenzie, Board Legal Counsel; Cassidy Wilson, Government Affairs Liaison; Murray Blaney, Operations/Compliance; Ed McGuire, Professional Standards; Steve Hiner, Investigator; Derek Vogel, Communications, and Jasmine Bailey, Licensing.

Tyler Davies, PE, and Jacob Gellman, EI, attended the meeting as guests of the Board.

1. Meeting conducted by Chair Brent Wright, call to order and roll call of board members to determine presence of quorum—board members Matt Gingerich, Angelo Spata, Karen Purcell, Michael Kidd, Thomas Matter, Jay Dixon, Robert Fyda, Greg DeSart.

Mr Wright called the meeting to order, and a quorum was determined.

He then read the Board's purpose and mission.

The purpose of the board as stated in Nevada Revised Statute 625.005 is to safeguard life, health and property and to promote the public welfare by providing for the licensure of qualified and competent professional engineers and professional land surveyors and our mission is founded on the board's purpose, the board's mission is to uphold the value of professional engineering and land surveying licensure by assessing minimum competency for initial entry into the profession and to insure on going standard of professionalism by facilitating compliance with laws regulations and code of practice and to provide understanding and progression in licensure by openly engaging with all stake holders.

2. Pledge of Allegiance.

3. Public comment.

There was no public comment in-person, virtually or via email.

4. Introductions.

Board members and staff introduced themselves.

5. Consideration of initial licensure applicant requests to waive certain requirements of Nevada Revised Statutes and Nevada Administrative Code Chapter 625.

Mr Dixon recommended approval of the request to waive NRS 625.193 (a) made by Sandeep Arya applying for mining engineering licensure.

26-17 A motion was made by Mr Dixon, seconded by Ms Purcell to approve the waiver requests. The motion passed unanimously.

6. Board approval of non-appearance applications for initial licensure. Refer to Addendum A for list of applicants.

The Board reviewed twenty-one applications in the board packet for initial licensure. Mr Wright asked for any Board member comments or concerns related to the applications.

Ms Purcell said she had concerns with the special consideration application for Haley Grable applying for civil engineering licensure. She added Ms Grable's under-graduate degree is not in engineering (BA in Cognitive Science) and that the two year experience credit for her master's was being claimed. Ms Purcell said in her opinion the engineering quotient of Ms Grable's education was not attained until the completion of her engineering masters, and made the recommendation that an additional two years of engineering experience be required.

Mr DeSart said he had similar concerns, and although the undergraduate degree has calculus and differential equations among other relevant credits, it is not an engineering degree. He asked Mr MacKenzie for his opinion.

Mr MacKenzie said the underlying requirement of an engineering degree does not appear to be satisfied here, and it would be applicable to request additional experience to satisfy the Board.

There was a discussion about the sum of the classes being the equivalent of engineering degree, but the consensus was many of the credits were relevant they did not cross threshold for an engineering degree.

Mr MacKenzie asked for a clarification on the timeframe of additional experience the Board is requiring of Ms Grable. It was determined the period was 1 year 11 months additional experience.

26-18 A motion was made by Ms Purcell, seconded by Mr DeSart to approve the applications for initial licensure contained in the board packet, with the exception of Ms Grable who is to accrue an additional 1 year 11 months engineering experience. The motion passed unanimously.

7. Discussion and possible action on approval of January 15, 2026, board meeting minutes.

26-19 A motion was made by Mr Spata, seconded by Mr Matter to approve the January 15, 2026, board meeting minutes. The motion passed unanimously.

8. Discussion and possible action on approval of February 12, 2026, board meeting minutes.

26-20 A motion was made by Ms Purcell, seconded by Mr Fyda to approve the February 12, 2026, interim board meeting minutes. The motion passed unanimously.

9. Discussion and possible action on financial statements.

a. December 2025

b. January 2026

Mr Fakler said the meeting materials contain the financial statements for December 2025 and January 2026 for member review and comment. He asked if there were any questions from the Board. There were none.

26-21 A motion was made by Mr Matter, seconded by Mr Spata to approve the December 2025 and January 2026 financial statements. The motion passed.

10. Discussion and possible action on compliance reports by Compliance Officer.

a. Compliance officer report on complaints being investigated.

Mr Blaney reported on the status of the open compliance case files. There were no questions from members.

b. Consideration of probation reports.

Dooley Riva, PE #18231 Buckley Blew, PLS #24520 Andrew Hammond, PE/PLS #21191
Lyle Scott Mackay, PE #15131 Kevin Gutman, PE #28002

Mr Blaney presented the probation reports for Board consideration and asked if there were any questions. There were no questions from the members.

11. Discussion on Board Counsel Report.

Mr MacKenzie said he had nothing specific to report other than the next agenda item.

12. Discussion and possible action on stipulated agreement for James Darrough, PLS, license number 021257, complaint number 20250036.

Mr MacKenzie reviewed the facts of the complaint and proposed terms of the stipulated agreement as shown in the board meeting materials. Mr MacKenzie added that Mr Kidd, to his credit, in his review, found a typo where we had made Executive Directors plural in the very opening sentence, should be Executive Director. He continued to say following the consideration of the merits of the matter and the terms of the agreement, he proposed an amended stipulated agreement to remove the "s," to make it a clear singular, and present it again to Mr Darrough, and then to the Board Chair to sign.

26-22 A motion was made by Mr Matter, seconded by Mr Matter to approve the stipulated agreement

with the text edit as described. The motion passed.

13. Discussion and possible action on administrative report by staff.

a. Approved licensees report

Mr Fakler reviewed the approved licensee report as presented in the board packet. There were no questions from the Board.

b. Action items related to 2021-2025 Strategic Plan

Mr Fakler said a draft of a revised Executive Summary of the Strategic Plan is a later item on the agenda for the members to consider.

c. Items related to National Council of Examiners for Engineering & Surveying (NCEES)

i. NCEES Western Zone Meeting

Mr Fakler said travel arrangements should now be complete for members travelling to the meeting, but if there any issues, to let staff know. Mr Fakler added that Ms Purcell will be the recipient of the Western Zone Distinguished Service Award at the meeting, which is well deserved.

14. Discussion and possible and possible action on revisions to the 2025 Strategic Plan Executive Summary.

Mr Fakler said as you'll recall, at the last Board meeting, we reviewed the strategic plan update for edits and comments. Today, with the item properly agendized, you have in front of you the Strategic Plan Executive Summary for approval or discussion and possible action.

The was a discussion on how the updated Executive Summary be best tied to base Strategic Plan document created by the Board in 2017. Text edits were proposed and it was agreed that staff adjust the revised Executive Summary and present to the Board for consideration at a future meeting.

(ACTION Item)

Timeframes for a for future review and full redo of base research were also discussed. It was decided to not pre-determine dates for either – rather reserve the right to consider at a later time during the standing Strategic Plan agenda item.

15. Discussion and possible action on board committee reports.

a. Administrative Procedures Oversight Committee, Chair Matt Gingerich

Mr Gingerich said the committee had not met but will schedule a meeting after the March board meeting.

b. Legislative Committee report, Chair Greg DeSart

Mr DeSart said the committee met on February 26 with the main item to be discussed under agenda item 16. He said the other item discussed related to an NCEES model law consideration the was forwarded to the committee to review. It was to introduce a pathway for non-degreeed comity applicants – where if they have maintained a professional engineering license in another state in good standing, they would be eligible for comity licensure in other states. Mr DeSart said the committee was tasked with reviewing NRS and NAC Chapters 625 to see if model law proposal was a possibility in Nevada. In review of NRS 625 a conflict was identified, where to be eligible for comity/endorsement licensure in the state, the applicant must be licensed in accordance with standards that are equivalent to those in Nevada. Not having the degree requirement to does equate to an equivalent standard. Mr DeSart added if a pathway for non-degree candidates was put in place it would create an imbalance for Nevada citizens who have adhered to their home state’s requirements and a loophole that others could use to circumvent those requirements. He said the committee’s recommendation was to take no action related to the model law proposal at this time.

c. Professional Association Liaison Committee, Chair Michael Kidd

Mr Kidd said the PAL committee met on March 10. The main focus was the draft mission statement presented to the committee input and feedback. He said the comments were generally positive and a number of the participants offered to come back to the next meeting with some suggested edits to reduce the word count and make the statements more concise.

d. Public Outreach Committee, Chair Jay Dixon

Mr Dixon said the committee met on February 4 where the staff gave an update on the current and proposed outreach activities. A focus is on adding video content to the site, for licensees relating to continuing education, and for the public, in the form of a public service announcement regarding bad actors misrepresenting themselves as licensed professionals on gig websites. Mr Dixon said in addition to the initial licensee recognition (digital badge) program that is in place, the committee discussed ways to recognize professionals who have been licensed in the state for long periods of time. And whether that be when they retire or by some means while still practicing. He added some ideas were generated and staff were looking into the logistics of putting them in place. (ACTION Item)

e. PLS Standards of Practice Subcommittee of the Legislative Committee, Chair Matt Gingerich

i. Discussion and possible action on proposed Bill Draft Request to update Nevada Revised Statutes Chapter 327 to conform with the nationally adopted geodetic datum. (For possible action)

Mr Gingerich reported that the committee had met on March 2 with main agenda item being the final review of the proposed amended language to NRS 327 as a result of the upcoming national datum updates. He added that the committee is recommending that the changes as presented in the meeting materials be accepted by the Board.

26-23 A motion was made by Mr Gingerich, seconded by Mr Kidd to accept the proposed revisions to NRS 327 and approve them moving forward in the bill draft process. The motion passed.

Mr Fakler said a Public Workshop will be held in April to gather feedback on the proposed revisions. Although not required in the statute change process, because of the technical nature of the changes the committee wanted to give all interested stakeholders the opportunity for input before the language is finalized and moved to the LCB and the Legislature. (ACTION Item)

Mr Gingerich said an additional item was brought to the committee's attention in the meeting's public comment. A proposed regulation change by the Division of Minerals to NAC 522.210 section 2 was identified by the Nevada Association of Land Surveyors as possibly being in conflict with chapters 625 of NRS and NAC. An opinion of the Board has been requested.

Mr Fakler said a meeting of the PLS Subcommittee has been scheduled for March 23 for the consideration of more information on the proposed regulation change, and then a recommendation from meeting will be presented to the Board at the April 9, 2026, Interim Board Meeting to consider and form an opinion on the regulation change. (ACTION Item)

f. Governmental Outreach Committee, Chair Karen Purcell

Ms Purcell said the committee had not met but progress was being made on the action items from the October meeting, and a meeting is being scheduled for mid-April. Ms Purcell said she and Mr Fakler had met with assembly members Hafen and Marzola at two separate meetings where we talked about the uniqueness and efficiency of this Board. Both members were engaged and appreciated the insight into the workings of the Board.

16. Consideration of proposed edits to the Engineering Education Credit Guideline.

Mr Fakler said this item was agendaized from the last meeting for further consideration and discussion.

Mr DeSart said this item originally began as an attempt to provide further clarification in the guideline with the addition of an asterisk and a footer explanation, but through the various attempts at adding clarifying language it appeared to be complicating matters. He said the committee, after reviewing another round of proposed text additions, has done a complete 360 and believes in trying to address the varied situations encountered with concurrent experience – in concise text – is really not possible. The consensus recommendation was to leave the guideline as originally written and have the Board, as it does now, consider each variance on a case-by-case basis. Mr DeSart said the current Board members are well versed in process of evaluating these type special consideration requests, it was thought best by the committee that some detail guidance on that evaluation process be added to the Board Member Manual for future incoming members so the institutional knowledge is carried forward.

Mr DeSart agreed that staff are familiar with how the Board has reviewed and discussed the special consideration applications and have the ability to review past minutes for accuracy.

26-24 A motion was made by Mr Dixon, seconded by Mr Matter to not edit the Engineering Education Credit Guideline (leave as is) and for staff add text with clarifying examples to the Board Member Manual on the evaluation process for experience concurrent with education special consideration applications. The motion passed.

Mr Fakler said staff are familiar with the evaluation process steps and will draft language to be added to the Board Member Manual. (ACTION Item)

17. Discuss legislative and regulatory matters with board's government liaison, Cassidy Polish.

Ms Polish reported that the state has started to do interim meetings and different committee meetings to discuss policy that might be coming up in 2027. They will discuss workforce, healthcare, infrastructure and the like and discuss potential policy going forward. Ms Polish continue to say state agencies are also working through the process from passing any bills that happened during the regular session and the special session and working through the regulatory parts of those. She added, on the election front, the filing period opened on March 2 and will close tomorrow. With that we will have a better look at who is running for office. Ms Polish said the new draft regulations from B&I are out and Mr Fakler has been working with her and Mr MacKenzie on a response. The next public workshop is on March 31 where Mr Fakler and the other impacted boards and commissions executive directors will have an opportunity to voice and submit comments.

18. Discussion and possible action on Business and Industry's proposed regulation updates to NAC 232.XXX.

Mr Fakler as Ms Polish alluded to, there is a third version of the proposed B&I regulations out. He said he had reviewed it and is drafting proposed comments that will be reviewed by Ms Purcell, Mr MacKenzie and Ms Polish before being finalized. Mr Fakler said he will be attending the March 31 public workshop and will be speaking on behalf of the Board. Mr Wright asked if there were in questions or comments on the regulations or for Mr Fakler. There were none.

19. Consider bill draft requests proposed by the Legislature to amend Nevada Revised Statutes related to regulatory boards and/or changes to Nevada Revised Statutes chapter 625, 329, and 327.

Mr Fakler said there were no current items from the state to discuss.

20. Discussion and possible action on status of board and staff assignments.

Mr Fakler said the list of current open action items was in the board packet and asked if board members had any questions. There were none.

21. Discussion and possible action on meeting dates.

Mr Fakler said the meeting dates were presented in the meeting materials and asked if there were any requested adjustments or questions.

After a brief discussion, a decision was made to move the November meeting to Thursday November 19, 2026.

Mr Fakler said the adjustment would be made and calendar reminders sent out to members (ACTION Item)

22. Discussion and identification of topics for future meetings including possible proposed amendments to the Nevada Professional Engineers and Land Surveyors Law, Nevada Revised Statutes and Nevada Administrative Code Chapter 625.

There were no topics put forward.

23. Public comment.

There was no public comment.

24. Adjournment.

Mr Wright thanked the board guests and board members for their participation and adjourned the meeting at 10:55 am.

Respectfully,

Mark Fakler
Executive Director

Addendum A - March Initials

LNAME	FNAME	ABREV	COMMENTS
Bhattarai	Dipak	CE	Board approved; 3/12/26
Dunn	Courtney	CE	Board approved; 3/12/26
Gould	Adrianna	CE	Board approved; 3/12/26
Grable	Haley	CE	Gain 1 year and 11 months of experience. Resend record January 2028
Lopez	Anthony	CE	Board approved; 3/12/26
Lowe	Austin	CE	Board approved; 3/12/26
Mansfeld	Philip	CE	Board approved; 3/12/26

LNAME	FNAME	ABREV	COMMENTS
Marchand	Dylan	CE	Board approved; 3/12/26
Motlagh	Amir	CE	Board approved; 3/12/26
Nally	Anastasia	CE	Board approved; 3/12/26
Patil	Gaurav	CE	Board approved; 3/12/26
Potts	Justin	CE	Board approved; 3/12/26
Russell	Andrea	CE	Board approved; 3/12/26
Sakaguchi	Trisha	CE	Board approved; 3/12/26
Shrestha	Shrijan	CE	Board approved; 3/12/26

LNAME	FNAME	ABREV	COMMENTS
Venzon	Angelo	CE	Board approved; 3/12/26
El Kani	Maher	EE	Board approved; 3/12/26
Lillquist	John	EE	Board approved; 3/12/26
Guevara-Cano	Victor	FPE	Board approved; 3/12/26
Rickford	Tabitha	ME	Board approved; 3/12/26
Arya	Sandeep	MINE	Board approved; 3/12/26; Waiver Request: RS 625.193(1)(A)

8. April 9, 2026
Interim Board Meeting
Minutes

NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS
Minutes of the Interim Board Meeting
Held virtually Thursday, April 9, 2026, at 9:15am

Board members participating were Chair Brent Wright, PE/SE; Vice-chair Matt Gingerich, PLS; Thomas Matter, public member; Greg DeSart, PE; Karen Purcell, PE; Jay Dixon, PE; Robert Fyda, PE; and Angelo Spata, PE. Board member Michael Kidd, PLS, was excused.

Also participating were Mark Fakler, Executive Director; Chris MacKenzie, Board Legal Counsel; Murray Blaney, Operations/Compliance; Jasmine Bailey; Licensing; and Derek Vogel, Communications.

1. Meeting conducted by Chair Brent Wright, call to order and roll call of board members to determine presence of quorum—board members Angelo Spata, Karen Purcell, Michael Kidd, Thomas Matter, Jay Dixon, Matt Gingerich, Robert Fyda, Greg DeSart.

Mr Wright called the meeting to order, and a quorum was determined.

2. Public comment.

There was no public comment virtually or via email.

3. Consideration of initial licensure applicant requests to waive certain requirements of Nevada Revised Statutes and Nevada Administrative Code Chapter 625.

Ms Purcell recommended approval of the request to waive NRS 625.183 (4)(b) made by Omar Abdelmoniem Etman applying for mechanical engineering licensure.

26-25 A motion was made by Ms Purcell, seconded by Mr Gingerich to approve the waiver request. The motion passed unanimously. Mr Kidd was not present for the vote.

Ms Purcell recommended approval of the request to waive NRS 625.183 (4)(b) made by Jared Walker applying for mechanical engineering licensure.

26-26 A motion was made by Ms Purcell, seconded by Mr Fyda to approve the waiver request. The motion passed unanimously. Mr Kidd was not present for the vote.

4. Board approval of non-appearance applications for initial licensure. Refer to Addendum A for list of applicants.

The Board reviewed twenty applications in the board packet for initial licensure. Mr DeSart asked that the application for Mr Hickenbottom be pulled from the vote pending further discussion.

26-27 A motion was made by Mr Gingerich, seconded by Ms Purcell to approve the applications for initial licensure contained in the board packet, with the exception of Mr Hickenbottom's application. The motion passed unanimously. Mr Kidd was not present for the vote.

Mr DeSart said with Mr Hickenbottom, his record shows two years of experience and it appears that that he is claiming two years of experience for his doctorate in civil and environmental engineering. His undergraduate degree is in wildlife ecology and conservation, and as I understand it, he would need an engineering degree to be able to accrue the full requirement. He added typically applicants would get four years credit for an engineering degree, two years for a master's or doctorate, and then an additional two years of practical engineering experience – but he doesn't have an engineering degree. Mr DeSart said he believed the applicant would need an additional two years of experience before he'd become eligible.

Ms Purcell said she agreed with the assessment of an additional two years' experience.

Mr Gingerich said the content of the natural sciences education could be considered relatable to engineering, and added there is typically a prerequisite of engineering courses to be admitted to a engineering doctorate program.

Mr DeSart agreed that there could be a consideration of those units, but we don't have the full applicant transcript on hand to make that determination, and it is a possible question of whether we want to be looking at the transcripts of non-engineering degrees at a granular level to be assessing equivalency.

Mr Spata said a greater level of detail and more time would be needed to make an assessment, and he made the following motion:

26-28 A motion was made by Mr Spata, seconded by Mr Fyda to nominate Mr DeSart to review and evaluate Mr Hickenbottom's full transcripts and make a recommendation on any additional experience requirements for the Board to consider at the next meeting. The motion passed unanimously. Mr Kidd was not present for the vote.

5. Discuss proposed updates by the Nevada Division of Minerals to the Nevada Administrative Code Chapter 522.210 as shown in LCB File No. R052-25.

Mr Wright asked Mr Fakler to introduce the agenda item.

Mr Fakler said there was a representative of the Nevada Association of Land Surveyors (NALS) on the call that wished to make public comment on the item.

Mr Carrington

My name is Robert Carrington, representing the Nevada Association of Land Surveyors (NALS). Concerning regulation changes to 522 from the Division of Minerals, they are based on the Governor's Executive Order from several years ago. They are now eliminating some additional regulations, and one of them in particular is the need for what's called a "location plat" for oil and gas wells. We believe at NALS that oil and gas wells fall under "fixed works" and, therefore, should be located in accordance with NRS 625.040 which is the practice of land surveying. So, I'd like this Board to review the Commission's regulation changes, and, maybe, make comment to them, if that's possible. I've attended at least one hearing on this issue, and I plan to attend the next hearing to voice our opposition to these regulation changes. Thank you, Board and Chair.

Mr Wright thanked Mr Carrington for his public comment and asked Mr Fakler to give background on the agenda item.

Mr Fakler said the item relates to proposed regulation updates by the Division of Minerals to Nevada Administrative Code Chapter 522, Section 2, as shown in the meeting materials. The revision strikes the requirement of location plat to be prepared by licensed land surveyor as part of the application process. He added that he had contacted the Deputy Administrator for the Division, Garrett Wake, to discuss the proposed changes. Mr Fakler said Mr Wake indicated the change was to reduce barriers by eliminating items that are not reviewed in the application process, and added there was consideration of having the well, once in place, being located by a licensed surveyor, as fixed works. Mr Fakler added that if the language was stricken as proposed, adjustments would be needed to the associated "Form 2" (as shown in meeting materials). As currently written the information prescribed by the form could only be provided by a licensed land surveyor.

Mr Wright asked for input from board members.

Mr Gingerich said with the language as proposed, the associated Form 2 would need to be modified. As already mentioned, that would require a license surveyor. If the form is not modified, then the language in the regulation would need to remain as is.

Mr DeSart said he agreed that Form 2 as written would require a professional land surveyor to accurately provide that information.

There was a brief discussion relating to the locating of water wells by a Water Rights Surveyor (WRS) as a comparison, which is considered fixed works, and does not have the professional land surveyor requirement. It was determined that if the WRS is a civil engineer and is outside of their expertise, there should be consultation with a licensed land surveyor.

Mr Fakler said Mr Kidd intended to participate in the meeting, but due to travel changes he is unable. He added Mr Kidd forward email to be read into the record. It reads as follows:

As far as my thoughts on the proposed changes to NAC 522, I would not be in support as currently shown for the following reasons:

- The infrastructure involved is high value. The requirement for the proposed well locations to be located relative to the Public Land Survey System (PLSS) section corners or quarter corners is important.*
- These well permits and leases could be on public or private land, all of which are defined by the PLSS in Nevada.*
- I would be in support of streamlining the submittal process to something electronic and easy.*
- Keeping the location of the well within a 40-acre legal subdivision is not overly burdensome*

Thank you, Michael Kidd

Mr Wright asked for a clarification on how best to present a Board position on the agenda item.

Mr Fakler said it would be best if Mr Gingerich could articulate a motion that the Board could consider and vote on, and that can be the basis of the Board position.

Mr Gingerich made the following motion:

26-29 A motion was made by Mr Gingerich, seconded by Ms Spata for a letter on Board be prepared for the Division of Minerals expressing concern with the language as depicted, and asked that they consider the modifying of Form 2, or if not, eliminate the striking of the language. The motion passed unanimously. Mr Kidd was not present for the vote.

6. Public comment.

There was no public comment virtually or via email.

7. Adjournment.

Mr Wright thanked board members for their participation and adjourned the meeting at 9:47 am.

Respectfully,

Mark Fakler
Executive Director

Adenddum A - April Initials

LNAME	FNAME	ABREV	COMMENTS
Bahramand	Wazhma	CE	Board approved; 4/9/26;
Ghasemi	Alireza	CE	Board approved; 4/9/26;
Hickenbottom	Kenneth	CE	HOLD
Lawrence	Cheyenne	CE	Board approved; 4/9/26;
Limbu	Sal	CE	Board approved; 4/9/26;
Lomeli	Marissa	CE	Board approved; 4/9/26;
Rocher Neri	Luis	CE	Board approved; 4/9/26;
Shrestha	Bandana	CE	Board approved; 4/9/26;

LNAME	FNAME	ABREV	COMMENTS
Teng	Mogan	CE	Board approved; 4/9/26;
Walsh	Henry	CE	Board approved; 4/9/26;
Weber	Matthew	CE	Board approved; 4/9/26;
Wolf	Ariahna	CE	Board approved; 4/9/26;
Yeh	Michelle	CE	Board approved; 4/9/26;
Zeigler	Wyatt	CE	Board approved; 4/9/26;
Meritt	Cecil	CHE	Board approved; 4/9/26;
Pichamurthy	Jeyraj	CSE	Board approved; 4/9/26;

LNAME	FNAME	ABREV	COMMENTS
Etman	Omar	ME	Board approved; 4/9/26; Waiver Request: NRS 625.183(4)(B)
Harmal	Anass	ME	Board approved; 4/9/26;
Ramirez-Hernandez	Jonathan	ME	Board approved; 4/9/26;
Walker	Jared	ME	Board approved; 4/9/26; Waiver Request: NRS 625.183(4)(B)

9. Financial Statements

9.a. February 2026

Nevada State Board of Professional Engineers and Land Surveyors

Budget vs. Actuals: Budget_FY26_P&L by Class - FY26 P&L Classes

July 2025 - February 2026

	TOTAL			
	ACTUAL	BUDGET	OVER BUDGET	% OF BUDGET
Income				
4000 REVENUE	865,733.11	731,758.36	133,974.75	118.31 %
Total Income	\$865,733.11	\$731,758.36	\$133,974.75	118.31 %
GROSS PROFIT	\$865,733.11	\$731,758.36	\$133,974.75	118.31 %
Expenses				
5100 PAYROLL EXPENSES	436,410.81	423,200.00	13,210.81	103.12 %
5110 PAYROLL TAXES	28,956.71	25,816.64	3,140.07	112.16 %
6001 OPERATING EXPENSES	618,408.68	553,383.40	65,025.28	111.75 %
Total Expenses	\$1,083,776.20	\$1,002,400.04	\$81,376.16	108.12 %
NET OPERATING INCOME	\$ -218,043.09	\$ -270,641.68	\$52,598.59	80.57 %
NET INCOME	\$ -218,043.09	\$ -270,641.68	\$52,598.59	80.57 %

Nevada State Board of Professional Engineers and Land Surveyors

Profit and Loss

February 2026

	TOTAL	
	FEB 2026	JUL 2025 - FEB 2026 (YTD)
Income		
4000 REVENUE		
4201 Application Fees		0.00
4202 PE Comity Application	13,750.00	107,875.00
4203 PLS Comity Application	500.00	2,875.00
4204 PE Initial License Application	525.00	4,050.00
4205 PLS Initial License Application	25.00	100.00
4206 PE Reinstatement Application	2,400.00	13,400.00
4207 PLS Reinstatement Application	200.00	400.00
4208 EI Certification Application	1,350.00	8,150.00
Total 4201 Application Fees	18,750.00	136,850.00
4250 Renewals & Exam Fees		
4251 PE/PLS Renewals	1,925.00	493,215.00
4252 Renewal Late Fees	1,600.00	14,250.00
4253 PE License Fees	10,750.00	64,450.00
4254 PLS License Fees		9,025.00
4255 NV Specific Exam Fees	300.00	1,800.00
Total 4250 Renewals & Exam Fees	14,575.00	582,740.00
4300 Other Revenue		
4301 Replacement Certificate/Pocket	40.00	790.00
4303 Interest Income	5,652.42	54,510.61
4304 Discipline Pd to NV Gen Fund		5,000.00
4305 Investigative Cost Recovery		2,942.50
4307 Firm Registration	7,000.00	82,250.00
4311 Waiver/Document Fees	0.00	650.00
Total 4300 Other Revenue	12,692.42	146,143.11
Total 4000 REVENUE	46,017.42	865,733.11
Total Income	\$46,017.42	\$865,733.11
GROSS PROFIT	\$46,017.42	\$865,733.11
Expenses		
5100 PAYROLL EXPENSES		
5102 Employee Health Insurance	5,492.96	43,273.96
5103 Employee IRA/SEP		22,922.31
5105 Payroll Service Fees	168.62	1,442.38
5107 Salaries	46,433.20	365,022.16
5108 Board Salaries		3,750.00
Total 5100 PAYROLL EXPENSES	52,094.78	436,410.81

Nevada State Board of Professional Engineers and Land Surveyors

Profit and Loss

February 2026

	TOTAL	
	FEB 2026	JUL 2025 - FEB 2026 (YTD)
5110 PAYROLL TAXES		
5111 FICA	2,878.85	22,631.36
5113 Medicare	673.30	5,292.88
5114 Modified Business Tax		729.00
5117 SUI	129.17	303.47
Total 5110 PAYROLL TAXES	3,681.32	28,956.71
6001 OPERATING EXPENSES		
6006 Office Supplies	60.96	3,663.98
6007 Equipment/Furniture		
6010 Equipment Purchases		95.84
6011 Equipment Leasing	650.29	2,611.63
6012 Software		
6012.1 Deferred Exp-Software Upgrades		3,980.00
6012.5 Software	1,083.11	6,103.23
Total 6012 Software	1,083.11	10,083.23
6015 Website Hosting	1,740.00	11,190.00
Total 6007 Equipment/Furniture	3,473.40	23,980.70
6101 Insurance		
6102 Workers Comp		7,597.46
6103 General Liability		1,918.00
Total 6101 Insurance		9,515.46
6201 Postage		
6202 Postage	1,958.44	9,681.47
6202.5 E-Postage		1,040.00
6205 Postage Renewals		1,800.00
Total 6201 Postage	1,958.44	12,521.47
6301 Board Meetings		
6302 Travel - Out of State		2,318.88
6303 Travel - In State	2,410.25	23,304.10
6304 Board Meeting Expenses		6,448.70
Total 6301 Board Meetings	2,410.25	32,071.68
6401 Printing		
6402 Printing General		8,766.83
Total 6401 Printing		8,766.83

Nevada State Board of Professional Engineers and Land Surveyors

Profit and Loss

February 2026

	TOTAL	
	FEB 2026	JUL 2025 - FEB 2026 (YTD)
6501 Professional Services		
6502 Legal		0.00
6503 Board Meetings	9,303.50	52,630.76
6504 Regulations/Legislation		0.00
6504.1 Deferred Exp-Regs/Legislation		487.50
6504.5 Regulations/Legislation	260.00	6,240.00
Total 6504 Regulations/Legislation	260.00	6,727.50
6505 Discipline	5,017.50	17,614.85
Total 6502 Legal	14,581.00	76,973.11
6508 Accounting Fees	2,750.00	51,225.00
6509 Government Liaison Services		
6509.5 Government Liaison	2,000.00	16,010.75
Total 6509 Government Liaison Services	2,000.00	16,010.75
6510 Database/Website Design		
6510.2 Deferred Exp-Database Update	3,150.00	34,305.00
6510.5 Database/Website Design		1,980.00
Total 6510 Database/Website Design	3,150.00	36,285.00
6511 Public Outreach	2,450.00	8,075.00
6514 Contract Labor		
6514.1 Def Exp-Contract Labor	9,200.00	82,922.37
6514.5 Contract Labor	3,000.16	30,737.80
Total 6514 Contract Labor	12,200.16	113,660.17
6515 IT Support	1,872.00	13,763.20
Total 6501 Professional Services	39,003.16	315,992.23
6601 Program Services		
6604 NCEES		
6605 Dues		7,500.00
6606 Registration	2,700.00	2,700.00
6607 Travel	2,194.58	15,296.20
Total 6604 NCEES	4,894.58	25,496.20
6615 Bank Fees	12.00	102.00
6616 Merchant Services Fees	2,748.71	97,617.81
6630 LAS Office Support		9,796.15
Total 6601 Program Services	7,655.29	133,012.16

Nevada State Board of Professional Engineers and Land Surveyors

Profit and Loss

February 2026

	TOTAL	
	FEB 2026	JUL 2025 - FEB 2026 (YTD)
6700 Other		
6702 Discipline Pd to NV Gen Fund		4,450.00
6704 State Administrative Fees		
6709 Email - EITS	385.04	2,973.28
Total 6704 State Administrative Fees	385.04	2,973.28
Total 6700 Other	385.04	7,423.28
6801 Training & Conferences		413.40
6802 Travel - Out of State		5,519.57
6803 Travel - In State		736.70
Total 6801 Training & Conferences		6,669.67
Non State Owned Office Bldg.		
6002 Rent		
6002.2 Rent	7,924.26	59,535.02
Total 6002 Rent	7,924.26	59,535.02
6004 Utilities	48.21	648.59
6005 Telephone/Internet	-143.92	4,607.61
Total Non State Owned Office Bldg.	7,828.55	64,791.22
Total 6001 OPERATING EXPENSES	62,775.09	618,408.68
Total Expenses	\$118,551.19	\$1,083,776.20
NET OPERATING INCOME	\$ -72,533.77	\$ -218,043.09
NET INCOME	\$ -72,533.77	\$ -218,043.09

Nevada State Board of Professional Engineers and Land Surveyors

Balance Sheet As of February 28, 2026

	TOTAL
ASSETS	
Current Assets	
Bank Accounts	
1001 ASSETS	2,020,900.91
Total Bank Accounts	\$2,020,900.91
Other Current Assets	
1305 Prepaid Expense	10,406.49
1310 Prepaid Lease/Deposit	5,005.00
Total Other Current Assets	\$15,411.49
Total Current Assets	\$2,036,312.40
TOTAL ASSETS	\$2,036,312.40
LIABILITIES AND EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 Accounts Payable	12,460.93
Total Accounts Payable	\$12,460.93
Credit Cards	
2027 Western Alliance Bank CC 3433	10,062.69
Total Credit Cards	\$10,062.69
Other Current Liabilities	
2001 Payroll Liabilities	29,469.72
4100 Deferred Revenue	989,656.75
Total Other Current Liabilities	\$1,019,126.47
Total Current Liabilities	\$1,041,650.09
Total Liabilities	\$1,041,650.09
Equity	
3510 Website Phase 2	30,000.00
3520 Data System Upgrade	175,000.00
3530 Electronic/Digital Pathway	175,000.00
3900 Retained Earnings	832,705.40
Net Income	-218,043.09
Total Equity	\$994,662.31
TOTAL LIABILITIES AND EQUITY	\$2,036,312.40

Nevada State Board of Professional Engineers and Land Surveyors

Balance Sheet

As of February 28, 2026

	TOTAL
ASSETS	
Current Assets	
Bank Accounts	
1001 ASSETS	0.00
1051 First Indep. Bank - Operating	28,899.28
1052 First Indep. Bank - Payroll	2,592.12
1053 First Indep. Bank - Petty Cash	2,527.94
1054 First Indep. Bank - MMA	72,824.77
1055 First Indep. Bank - 24mo CD	517,426.02
1057 First Indep. Bank - 12mo CD	297,715.58
1058 First Indep. Bank - 24mo FlexCD	592,260.46
1059 First Independent Bank - 90 day CD	506,654.74
Total 1001 ASSETS	2,020,900.91
Total Bank Accounts	\$2,020,900.91
Other Current Assets	
1305 Prepaid Expense	10,406.49
1310 Prepaid Lease/Deposit	5,005.00
Total Other Current Assets	\$15,411.49
Total Current Assets	\$2,036,312.40
TOTAL ASSETS	\$2,036,312.40
LIABILITIES AND EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 Accounts Payable	12,460.93
Total Accounts Payable	\$12,460.93
Credit Cards	
2027 Western Alliance Bank CC 3433	10,062.69
Total Credit Cards	\$10,062.69
Other Current Liabilities	
2001 Payroll Liabilities	0.00
2002 Accrued Benefits	29,469.72
Total 2001 Payroll Liabilities	29,469.72
4100 Deferred Revenue	989,656.75
Total Other Current Liabilities	\$1,019,126.47
Total Current Liabilities	\$1,041,650.09
Total Liabilities	\$1,041,650.09

Nevada State Board of Professional Engineers and Land Surveyors

Balance Sheet

As of February 28, 2026

	TOTAL
Equity	
3510 Website Phase 2	30,000.00
3520 Data System Upgrade	175,000.00
3530 Electronic/Digital Pathway	175,000.00
3900 Retained Earnings	832,705.40
Net Income	-218,043.09
Total Equity	\$994,662.31
TOTAL LIABILITIES AND EQUITY	\$2,036,312.40

9.b. March 2026

Nevada State Board of Professional Engineers and Land Surveyors

Budget vs. Actuals: Budget_FY26_P&L by Class - FY26 P&L Classes

July 2025 - March 2026

	TOTAL			
	ACTUAL	BUDGET	OVER BUDGET	% OF BUDGET
Income				
4000 REVENUE	943,869.93	791,375.03	152,494.90	119.27 %
Total Income	\$943,869.93	\$791,375.03	\$152,494.90	119.27 %
GROSS PROFIT	\$943,869.93	\$791,375.03	\$152,494.90	119.27 %
Expenses				
5100 PAYROLL EXPENSES	496,741.27	472,350.00	24,391.27	105.16 %
5110 PAYROLL TAXES	32,937.28	29,349.97	3,587.31	112.22 %
6001 OPERATING EXPENSES	657,620.96	618,737.57	38,883.39	106.28 %
Total Expenses	\$1,187,299.51	\$1,120,437.54	\$66,861.97	105.97 %
NET OPERATING INCOME	\$ -243,429.58	\$ -329,062.51	\$85,632.93	73.98 %
NET INCOME	\$ -243,429.58	\$ -329,062.51	\$85,632.93	73.98 %

Nevada State Board of Professional Engineers and Land Surveyors

Profit and Loss

March 2026

	TOTAL	
	MAR 2026	JUL 2025 - MAR 2026 (YTD)
Income		
4000 REVENUE		
4201 Application Fees		0.00
4202 PE Comity Application	15,125.00	123,000.00
4203 PLS Comity Application	375.00	3,250.00
4204 PE Initial License Application	725.00	4,775.00
4205 PLS Initial License Application	25.00	125.00
4206 PE Reinstatement Application	1,600.00	15,000.00
4207 PLS Reinstatement Application	0.00	400.00
4208 EI Certification Application	1,100.00	9,250.00
Total 4201 Application Fees	18,950.00	155,800.00
4250 Renewals & Exam Fees		
4251 PE/PLS Renewals	37,100.00	530,315.00
4252 Renewal Late Fees	1,400.00	15,650.00
4253 PE License Fees	9,300.00	73,750.00
4254 PLS License Fees		9,025.00
4255 NV Specific Exam Fees	100.00	1,900.00
Total 4250 Renewals & Exam Fees	47,900.00	630,640.00
4300 Other Revenue		
4301 Replacement Certificate/Pocket		790.00
4303 Interest Income	4,141.82	58,652.43
4304 Discipline Pd to NV Gen Fund		5,000.00
4305 Investigative Cost Recovery		2,942.50
4306 Miscellaneous	45.00	45.00
4307 Firm Registration	6,900.00	89,150.00
4311 Waiver/Document Fees	200.00	850.00
Total 4300 Other Revenue	11,286.82	157,429.93
Total 4000 REVENUE	78,136.82	943,869.93
Total Income	\$78,136.82	\$943,869.93
GROSS PROFIT	\$78,136.82	\$943,869.93
Expenses		
5100 PAYROLL EXPENSES		
5102 Employee Health Insurance	5,545.25	48,819.21
5103 Employee IRA/SEP	10,775.37	33,697.68
5105 Payroll Service Fees	165.12	1,607.50
5107 Salaries	43,844.72	408,866.88
5108 Board Salaries		3,750.00
Total 5100 PAYROLL EXPENSES	60,330.46	496,741.27

Nevada State Board of Professional Engineers and Land Surveyors

Profit and Loss

March 2026

	TOTAL	
	MAR 2026	JUL 2025 - MAR 2026 (YTD)
5110 PAYROLL TAXES		
5111 FICA	2,718.35	25,349.71
5113 Medicare	635.74	5,928.62
5114 Modified Business Tax	555.14	1,284.14
5117 SUI	71.34	374.81
Total 5110 PAYROLL TAXES	3,980.57	32,937.28
6001 OPERATING EXPENSES		
6006 Office Supplies	53.91	3,717.89
6007 Equipment/Furniture		
6010 Equipment Purchases		95.84
6011 Equipment Leasing	309.66	2,921.29
6012 Software		
6012.1 Deferred Exp-Software Upgrades		3,980.00
6012.5 Software	1,284.88	7,388.11
Total 6012 Software	1,284.88	11,368.11
6015 Website Hosting	1,575.00	12,600.00
Total 6007 Equipment/Furniture	3,169.54	26,985.24
6101 Insurance		
6102 Workers Comp		7,597.46
6103 General Liability		1,918.00
Total 6101 Insurance		9,515.46
6201 Postage		
6202 Postage	1,543.82	11,225.29
6202.5 E-Postage		1,040.00
6205 Postage Renewals		1,800.00
Total 6201 Postage	1,543.82	14,065.29
6301 Board Meetings		
6302 Travel - Out of State		2,318.88
6303 Travel - In State	1,417.80	24,721.90
6304 Board Meeting Expenses		6,448.70
Total 6301 Board Meetings	1,417.80	33,489.48
6401 Printing		
6402 Printing General		8,766.83
Total 6401 Printing		8,766.83

Nevada State Board of Professional Engineers and Land Surveyors

Profit and Loss

March 2026

	TOTAL	
	MAR 2026	JUL 2025 - MAR 2026 (YTD)
6501 Professional Services		
6502 Legal		0.00
6503 Board Meetings	1,365.00	53,995.76
6504 Regulations/Legislation		0.00
6504.1 Deferred Exp-Regs/Legislation		487.50
6504.5 Regulations/Legislation	455.00	6,695.00
Total 6504 Regulations/Legislation	455.00	7,182.50
6505 Discipline	568.53	18,183.38
Total 6502 Legal	2,388.53	79,361.64
6508 Accounting Fees	2,750.00	53,975.00
6509 Government Liaison Services		
6509.5 Government Liaison	2,127.47	18,138.22
Total 6509 Government Liaison Services	2,127.47	18,138.22
6510 Database/Website Design		
6510.2 Deferred Exp-Database Update	2,685.00	37,155.00
6510.5 Database/Website Design		1,980.00
Total 6510 Database/Website Design	2,685.00	39,135.00
6511 Public Outreach	1,500.90	9,575.90
6514 Contract Labor		
6514.1 Def Exp-Contract Labor	5,448.64	88,371.01
6514.5 Contract Labor	2,920.32	33,658.12
Total 6514 Contract Labor	8,368.96	122,029.13
6515 IT Support	5,576.00	19,339.20
Total 6501 Professional Services	25,396.86	341,554.09
6601 Program Services		
6604 NCEES		
6605 Dues		7,500.00
6606 Registration	-450.00	2,250.00
6607 Travel		15,296.20
Total 6604 NCEES	-450.00	25,046.20
6615 Bank Fees	40.00	142.00
6616 Merchant Services Fees	-2,622.11	94,995.70
6630 LAS Office Support	16.94	9,813.09
Total 6601 Program Services	-3,015.17	129,996.99
6700 Other		
6702 Discipline Pd to NV Gen Fund		4,450.00
6704 State Administrative Fees		
6709 Email - EITS	385.04	3,358.32
Total 6704 State Administrative Fees	385.04	3,358.32
Total 6700 Other	385.04	7,808.32

Nevada State Board of Professional Engineers and Land Surveyors

Profit and Loss

March 2026

	TOTAL	
	MAR 2026	JUL 2025 - MAR 2026 (YTD)
6801 Training & Conferences		413.40
6802 Travel - Out of State		5,519.57
6803 Travel - In State		736.70
Total 6801 Training & Conferences		6,669.67
Non State Owned Office Bldg.		
6002 Rent		
6002.2 Rent	9,166.24	68,701.26
Total 6002 Rent	9,166.24	68,701.26
6004 Utilities		648.59
6005 Telephone/Internet	1,094.24	5,701.85
Total Non State Owned Office Bldg.	10,260.48	75,051.70
Total 6001 OPERATING EXPENSES	39,212.28	657,620.96
Total Expenses	\$103,523.31	\$1,187,299.51
NET OPERATING INCOME	\$ -25,386.49	\$ -243,429.58
NET INCOME	\$ -25,386.49	\$ -243,429.58

Nevada State Board of Professional Engineers and Land Surveyors

Balance Sheet

As of March 31, 2026

	TOTAL
ASSETS	
Current Assets	
Bank Accounts	
1001 ASSETS	1,990,907.38
Total Bank Accounts	\$1,990,907.38
Other Current Assets	
1305 Prepaid Expense	10,406.49
1310 Prepaid Lease/Deposit	5,005.00
Total Other Current Assets	\$15,411.49
Total Current Assets	\$2,006,318.87
TOTAL ASSETS	\$2,006,318.87
LIABILITIES AND EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 Accounts Payable	14,423.32
Total Accounts Payable	\$14,423.32
Credit Cards	
2027 Western Alliance Bank CC 3433	3,493.26
Total Credit Cards	\$3,493.26
Other Current Liabilities	
2001 Payroll Liabilities	29,469.72
4100 Deferred Revenue	989,656.75
Total Other Current Liabilities	\$1,019,126.47
Total Current Liabilities	\$1,037,043.05
Total Liabilities	\$1,037,043.05
Equity	
3510 Website Phase 2	30,000.00
3520 Data System Upgrade	175,000.00
3530 Electronic/Digital Pathway	175,000.00
3900 Retained Earnings	832,705.40
Net Income	-243,429.58
Total Equity	\$969,275.82
TOTAL LIABILITIES AND EQUITY	\$2,006,318.87

Nevada State Board of Professional Engineers and Land Surveyors

Balance Sheet As of March 31, 2026

	TOTAL
ASSETS	
Current Assets	
Bank Accounts	
1001 ASSETS	0.00
1051 First Indep. Bank - Operating	51,229.81
1052 First Indep. Bank - Payroll	26,826.24
1053 First Indep. Bank - Petty Cash	2,527.94
1054 First Indep. Bank - MMA	59,656.45
1055 First Indep. Bank - 24mo CD	450,000.00
1057 First Indep. Bank - 12mo CD	298,498.94
1058 First Indep. Bank - 24mo FlexCD	593,985.81
1059 First Independent Bank - 90 day CD	508,182.19
Total 1001 ASSETS	1,990,907.38
Total Bank Accounts	\$1,990,907.38
Other Current Assets	
1305 Prepaid Expense	10,406.49
1310 Prepaid Lease/Deposit	5,005.00
Total Other Current Assets	\$15,411.49
Total Current Assets	\$2,006,318.87
TOTAL ASSETS	\$2,006,318.87
LIABILITIES AND EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 Accounts Payable	14,423.32
Total Accounts Payable	\$14,423.32
Credit Cards	
2027 Western Alliance Bank CC 3433	3,493.26
Total Credit Cards	\$3,493.26
Other Current Liabilities	
2001 Payroll Liabilities	0.00
2002 Accrued Benefits	29,469.72
Total 2001 Payroll Liabilities	29,469.72
4100 Deferred Revenue	989,656.75
Total Other Current Liabilities	\$1,019,126.47
Total Current Liabilities	\$1,037,043.05
Total Liabilities	\$1,037,043.05

Nevada State Board of Professional Engineers and Land Surveyors

Balance Sheet

As of March 31, 2026

	TOTAL
Equity	
3510 Website Phase 2	30,000.00
3520 Data System Upgrade	175,000.00
3530 Electronic/Digital Pathway	175,000.00
3900 Retained Earnings	832,705.40
Net Income	-243,429.58
Total Equity	\$969,275.82
TOTAL LIABILITIES AND EQUITY	\$2,006,318.87

10. Compliance Officer Report

10.a. Compliance Report

10. a. Compliance Investigations

Currently there are five (5) cases to report on:

1. 20250034 – Failure to act as faithful agent to client.
Investigation complete.
2. 20250054 – Unlawful practice.
Administrative Investigation complete, criminal investigation ongoing.
3. 20250055 – Failure to act as faithful agent to employer
Investigation tolled.
4. 20260003 – Reinstatement application disclosures.
Under investigation.
5. 20260009 – Failure to act as faithful agent to client.
Under investigation.

1. 20250034 – Failure to act as faithful agent to client.

Summary:

A complaint alleges a civil engineer failed to deliver services in a timely manner.

Status:

Complaint under review by Board Liaison.

2. 20250054 – Unlawful practice.

Summary:

A complaint alleges the offering and providing of professional civil engineering services while not being licensed to do so and impersonating a licensee.

Status:

Decision & Order issued, criminal complaint submittal being compiled.

3. 20250055 – Failure to act as a faithful agent to employer.

Summary:

A complaint alleges a civil engineer, while an employee of the complainant firm, disclosed confidential and proprietary business information and engaged in supplement employment without consent.

Status:

Request has been made for the investigation to be tolled, pending outcome of litigation.

4. 20260003 – Reinstatement application disclosures.

Summary:

Complaint relates to the failure to disclosure disciplinary actions by other states in an application for reinstatement of a Nevada civil engineering license.

Status:

Under investigation.

5. 20260009 – Failure to act as faithful agent to client.

Summary:

Complaint filed against civil engineer for the failure to complete a project in a timely manner.

Status:

Under investigation.

10.b. Probation Reports

10. b. Probation reports

Probation Summary:

Name	Case #	Status/Action	Date Ending
Dooley Riva, PE	20190001	Good Standing	October 10, 2029
Buckley Blew, PLS	20230004	Good Standing	August 15, 2026
Andrew Hammond, PE/PLS	20220009	Good Standing	February 15, 2029
Lyle Scott Mackay, PE	20240006	Good Standing	Open
Kevin Gutman, PE	20240003	Good Standing	December 15, 2026

Payment Summary:

Name	Case #	Paid	Remaining	Final Due Date
James Darrough, PLS	20250036	\$0.00	\$2,200.00	July 2, 2026

Robert “Dooley” Riva, PE 018231

Case Number: 20190001

Violation of NRS 625.520, NRS 625.565, NAC 625.510, and NAC 625.610

Mr Riva allowed his license to lapse on December 31, 2009, and continued to practice professional engineering with an expired license until self-reporting to the Board on January 10, 2019.

Mr Riva admitted, during the investigation in this matter, that he stamped, signed, and put false expiration dates for his license on the plans that he had submitted to reviewing agencies, as well as to his clients.

Mr Riva has maintained his California Professional Engineering license throughout this period from December 31, 2009, to the present. Mr Riva's California license is currently in good standing. A third-party competency review of a sampling of the thirty-seven (37) identified Nevada projects, that Mr Riva stamped while unlicensed has been completed, and his work was found to be competent.

NRS 625.410 states that the Board may take disciplinary action against a licensee for practicing after the license of the professional engineer has expired or has been suspended or revoked. NRS 625.520 also states that it is unlawful for any professional engineer to practice in a discipline of professional engineering in which the Board has not qualified him and for any person to use an expired license. Accordingly, NRS 625.565 makes it unlawful for any person to impress any documents with the stamp of a professional engineer after that person's license has expired. In addition, NAC 625.610 requires that licensees include the date of expiration of his or her license on the stamp or seal. Moreover, under NAC 625.510, licensees must be honest and impartial, and serve their employers, clients, and the public with devotion. Mr Riva has violated the aforementioned provisions by continuing to practice professional engineering for nine (9) years after the expiration of his license and knowingly falsifying expiration dates when signing and stamping plans for submission to building departments for permits.

NRS 625.410(5) authorizes the State Board to take disciplinary action against a licensee for a violation of any provision of NRS Chapter 625 or NAC Chapter 625. Further, pursuant to NAC 625.640(3)(b)(2) this matter may be resolved without a formal hearing by Stipulated Agreement.

Mr Riva and the State Board hereby stipulate to the following terms for the above-referenced violation(s):

1. Mr Riva's license shall be reinstated and suspended for ten (10) years immediately following entry of this Agreement, but with the suspension stayed and probation imposed for the duration of that time period.

2. The stay of Mr Riva's license suspension may be lifted by the State Board upon notice and the opportunity for Mr Riva to be heard should Mr Riva fail to abide by the terms hereof.

3. Mr Riva's successful completion of probation is expressly conditioned upon his full compliance with the following conditions of probation:

a. Mr Riva shall pay all of the State Board's legal and investigative costs associated with this matter, in the total amount of Two Thousand Three Hundred Fifty and No/100 Dollars (\$2,350.00), which includes One Thousand Three Hundred Fifty and No/100 Dollars (\$1,350.00) in legal fees and One Thousand and No/100 Dollars (\$1,000.00) for the cost for a third-party competency review of a sampling of the thirty-seven (37) projects stamped by Mr Riva while practicing without a license. This payment is due to the State Board within thirty (30) days of the State Board's acceptance and execution of this First Revised Stipulated Agreement.

b. Mr Riva shall pay an administrative fine to the State Board in the amount of Fifteen Thousand and No/100 Dollars (\$15,000.00), plus Two Hundred and No/100 Dollars (\$200.00) for each of the thirty-seven (37) projects lawfully stamped by Mr Riva, for a total of Twenty-Two Thousand Four Hundred and No/100 Dollars (\$22,400.00). Two Thousand Six Hundred Fifty and No/100 Dollars (\$2,650.00) of this amount is due to the State Board within thirty (30) days of the Board's acceptance and execution of this First Revised Stipulated Agreement. The balance thereof shall be due in five (5) equal annual installments of Three Thousand Nine Hundred Fifty and No/100 Dollars (\$3,950.00). The first (1st) due on or before one year of the State Boards acceptance and execution of this First Revised Stipulated Agreement, and the remaining four payment due on or before each subsequent anniversary thereof, through the fifth (5th) anniversary of the State Boards acceptance and execution of this First Revised Stipulated Agreement.

c. Mr Riva shall undertake and assume all costs associated with reviewing and re-stamping the drawings associated with the aforementioned projects that are on file with the appropriate building departments and provide the Board with sufficient proof thereof.

d. Mr Riva registering, paying for, and completing an advanced level ethics course with Texas Tech University Murdough Center for Engineering Professionalism, and providing proof of completion thereof to Board staff within one (1) year of the date of full execution of this First Revised Stipulated Agreement.

LAST PROBATION REPORTS DUE October 1, 2029

PROBATION REPORT
(MUST BE TYPED)

Print Form

PROBATIONER: Robert Dooley Riva PE/PLS #: 018231

EMPLOYER: Riva Engineering & Consulting

PROBATION REPORT SUBMITTED FOR THE PERIOD OF: 2026-1-16 THROUGH 2026-3-15

CLIENT:

NAME: EVA HUANG

ADDRESS: evahuang@yahoo.com

CITY: STATE: ZIP CODE:

PROJECT:

NAME: 746 LAKEVIEW REMODEL/ADDITION

LOCATION OF PROJECT: 746 LAKEVIEW DRIVE

CITY: ZEPHYR COVE STATE: NV ZIP CODE: 89448

SIZE: 3395 SF START DATE: 9.20.24 END DATE: NA

STATUS OF PROJECT: Construction Documents complete and issued to Douglas County

FEE PAID BY CLIENT: \$13,050.00

SCOPE OF WORK:

DESIGN DEVELOPMENT AND CONSTRUCTION DOCUMENTS

DESCRIBE IN DETAIL YOUR INVOLVEMENT IN THIS PROJECT AND HOW YOU HANDLED THIS PROJECT.

FRAMING LAYOUTS, LATERAL AND GRAVITY ANALYSIS, STRUCTURAL PLAN DRAFTING, STRUCTURAL DETAILING, ISSUE PROGRESS SET FOR TEAM REVIEW, UPDATE STRUCTURAL DOCUMENTS TO BE COMPLIANT WITH 2024 IBC, ISSUE FOR PERMIT SUBMITTAL

DESCRIBE IN DETAIL HOW YOU IMPROVED ON THIS PROJECT IN THE AREAS FOR WHICH YOU ARE ON PROBATION.

MY NV LICENSE IS NOT EXPIRED

SIGNATURE: Robert D. Riva

DATE: March 17, 2026

Buckley Blew, PLS 024520

Case Number: 20230004

Violation of NRS 625.410 (2), 625.340, NRS 625.350(2)(a); and NRS 329.140(1).

Mr Blew self-reported a disciplinary action imposed against his California professional land surveyor license by the California Board of Professional Engineers, Land Surveyors, and Geologists (the “California Board”) in his license renewal application.

CALIFORNIA BOARD DISCIPLINARY ACTION

The California Board action against Mr Blew was based on the following:

A) California Business and Professions Code (“Code”) § 8780(d) and § 8762(b)(4) and (c) for failing to file a record of survey within ninety (90) days of his survey of the following properties:

- 555 and 575 Market Street, San Francisco
- 1281 W. National Drive, Sacramento
- 1520 and 1620 W. National Drive, Sacramento
- 1534 N. Market Blvd. and 4201 Sierra Point Drive, Sacramento
- 1700 W. National Drive, Sacramento
- 3200-3298 Orange Grove Avenue, Sacramento
- 1401 Civic Court, Concord

B) Under Code § 8780(b) for negligence in the practice of land surveying, in that Mr Blew did not meet the standard of care for a licensed land surveying when he failed to file a record of survey for the aforementioned properties. In addition, for the properties located at 1520 and 1620 W. National Drive, Sacramento, at 1534 N. Market Blvd. and 4201 Sierra Point Drive, Sacramento, and at 1700 W. National Drive, Sacramento, Mr Blew was disciplined under Code § 8780(b) for negligence in the practice of land surveying, in that Mr Blew did not meet the standard of care for a licensed land surveying when he failed to set monuments.

C) Under Code § 8780(d) and § 8765(d) for failing to file a corner record for 8845 Washington Blvd., Roseville. In addition, Mr Blew was disciplined under Code § 8780(b) in that he was negligent in his practice of land surveying regarding 8845 Washington Blvd., Roseville.

D) Under Code § 8780(b) in that he was negligent and/or incompetent in the practice of land surveying in that the establishment of boundaries shown on Mr Blew’s ALTA/NSPS maps indicated a practice of using a minimum of unreferenced control points and using “record” information from a single direction to establish boundary lines. This practice is reasonably foreseeable to lead to gaps and overlaps in boundaries.

Based on the above Mr Blew stipulated with the California Board to the following violations: (1) failure to file a timely record of survey; (2) negligence in the practice of land surveying; (3) failure to file a corner report; and (4) incompetence in the practice of land surveying. Pursuant to the California Board Stipulation and Order, Mr Blew's license was revoked, but the revocation was stayed pending the successful completion of three (3) years probation, reimbursement of investigative costs in the amount of Twelve Thousand Six Hundred Thirteen and 75/100 Dollars (\$12,613.75), completion and passage of the California Laws and Board Rules examination, passage of a Board approved ethics course within one (1) year, and completion and passage of two (2) college-level Board approved land surveying courses.

NEVADA BOARD DISCIPLINARY ACTION

NRS 625.410 states that the Nevada State Board may take disciplinary action against a licensee for discipline by another state or territory if at least one of the grounds for discipline is the same or substantially equivalent to any ground under Nevada law.

The State Board does not have statutory authority to take disciplinary action against licensees for mere negligence. Thus, Mr Blew's cause for discipline due to his negligence does not constitute a violation of NRS 625.410(6).

Mr Blew's cause for discipline for failure to file a timely record of survey, however, is substantially equivalent to NRS 625.340, in which professional land surveyors shall "within 90 day after the establishment of points or lines, file . . . a record of survey relating to land boundaries and property lines." In addition, NRS 625.350 states that a record of survey must show, among other things, "[a]ll monuments found, set, reset, or replaced, describing their kind, size and location and giving other data relating thereto." NRS 625.350(2)(a).

Mr Blew was also disciplined for failing to file a corner record. This cause for discipline is substantially equivalent NRS 329.140, in which a "a surveyor shall complete, sign and record or cause to be recorded . . . a written record of the establishment or restoration or a corner The survey information must be recorded within 90 days after the survey is completed." NRS 329.140(1).

Finally, Mr Blew was disciplined for negligence and/or incompetence. NRS 625.410 states that the Board may take disciplinary action against a licensee for "[a]ny gross negligence, incompetency or misconduct in the practice of professional engineering as a professional engineer or in the practice of land surveying as a professional land surveyor." NRS 625.410(2).

Thus, since at least one of the grounds for discipline in California is substantially similar to a ground for discipline in Nevada, the State Board may take disciplinary action against Mr Blew.

NRS 625.410 states that the State Board may take disciplinary action against a licensee for discipline by another state or territory if at least one of the grounds for discipline is the same or substantially equivalent to any ground under Nevada law.

Pursuant to NAC 625.640(3)(b)(2), a disciplinary matter against a licensee may be resolved without a formal hearing by Stipulated Agreement. As such, Mr Blew and the State Board hereby stipulate to the following terms for the above-referenced violation(s):

1. Mr Blew's license shall be revoked following entry of this Agreement, but with revocation stayed and probation imposed for a term of three (3) years.
2. The licensee shall submit detailed bi-monthly probation reports to the Executive Director of the State Board, which shall report any work completed in Nevada during the previous two (2) month period. A report shall be filed even if no work was performed in Nevada during the previous two (2) month period. The first report shall be due within two (2) months of the effective date of this Stipulated Agreement. Each report shall include a copy of the contract executed for any work in Nevada, including the scope of work detail.
3. Mr Blew shall provide the State Board with proof of fulfilling the California Stipulated Agreement obligations.

LAST PROBATION REPORTS DUE August 15, 2026

PROBATION REPORT
(MUST BE TYPED)

Print Form

PROBATIONER: Buckley Blew PE/PLS #: 024520

EMPLOYER: Blew & Associates, P.A.

PROBATION REPORT SUBMITTED FOR THE PERIOD OF: 1/20/26 THROUGH: 3/19/26

CLIENT:

NAME: NA

ADDRESS: NA

CITY: NA STATE: NA ZIP CODE: NA

PROJECT:

NAME: NA

LOCATION OF PROJECT: NA

CITY: NA STATE: NA ZIP CODE: NA

SIZE: NA START DATE: NA END DATE: NA

STATUS OF PROJECT: NA

FEE PAID BY CLIENT: NA

SCOPE OF WORK:


NA

DESCRIBE IN DETAIL YOUR INVOLVEMENT IN THIS PROJECT AND HOW YOU HANDLED THIS PROJECT.

NA

DESCRIBE IN DETAIL HOW YOU IMPROVED ON THIS PROJECT IN THE AREAS FOR WHICH YOU ARE ON PROBATION.

NA

SIGNATURE: 

DATE: 3/23/26

Andrew Hammond, PE/PLS 021191

Case Number: 20220009

Violation of NRS 625.410 (2), and NAC 625.530 (1) and (5).

In or around January 2019, the complainant (client) reached out to Element Engineering (Mr Hammond's firm) via Yelp in search of a professional to help adapt and engineer house plans that had been found online. Mr Hammond replied to the inquiry via Yelp and indicated he could complete the house plans in about four (4) to five (5) weeks.

The client engaged Mr Hammond for the project in late 2019. The project included various tasks, such as surveying, site plan, grading plan, septic, structural design and calculations, and electrical plan. At the end of December 2019, the client made a 50% down payment on the house plans for the initial survey and topography. In late 2019, Mr Hammond recommended a lot merger and was retained in or around July 2020 to perform that service. Throughout his engagement with the client, Mr Hammond communicated timelines and completion dates, but failed to meet these communicated deadlines. Mr Hammond did not make the initial submission for permits until August 22, 2021. Washoe County rejected this initial submittal as incomplete with requirements noted. Mr Hammond then had to resubmit the project three (3) more times due to further comments from Washoe County. By the time the client submitted the Complaint, Mr Hammond still had not obtained the permits for his plans. Regarding the lot merger, Mr Hammond erroneously submitted a Boundary Line Adjustment (BLA) to Washoe County in February 2021. Washoe County rejected this BLA and advised Mr Hammond that a Reversion to Acreage (RTA) map was required. In March 2021, Mr Hammond submitted an RTA, but did not make a payment to Washoe County for RTA review. In May 2021, Washoe County emailed Mr Hammond regarding RTA submittal errors and payment for review of the RTA. In June 2021, Washoe County sent an example RTA map for reference and information for Mr Hammond to correct his March 2021 submittal. In July 2021, Mr Hammond submitted payment for RTA application and review. In August 2022, Washoe County approved the RTA map for recording after correcting errors that Mr Hammond made on the RTA map, such as including unneeded signature lines for utility companies that did not serve the client's property. On or about January 10, 2023, Mr Hammond refunded the Seven Thousand and No/100 Dollars (\$7,000.00) that the client paid Mr Hammond for services.

VIOLATIONS and DISCIPLINARY ACTION

Pursuant to NAC 625.530(1), a professional engineer or land surveyor shall "[a]ct in professional matters as a faithful agent or trustee for each employer or client." Here, Mr Hammond failed to act as a faithful agent. Over thirty (30) months have passed from the start

of work, but no permit had been issued at the time the Complaint was filed. Mr Hammond promised the client completion deadlines, but continually missed them. Mr Hammond had never done an RTA map and admits that the timeline to complete it was unreasonable.

Pursuant to NAC 625.530(5), a professional engineer or land surveyor shall “[u]ndertake only those engineering or land surveying assignments for which he or she is qualified and engage or advise the employer or client to engage specialists and cooperate with them whenever the employer’s or client’s interests are served best by such an arrangement.” Here, Mr Hammond erroneously submitted a boundary line adjustment rather than a reversion to acreage map. The time taken and the assistance required by the Washoe County staff indicates Mr Hammond’s underqualification for the assignment undertaken. Relating to the engineering, his submissions for permitting required extra comments and review from Washoe County. Mr Hammond submitted his plans four (4) times over the course of one (1) year.

Based on the foregoing, Mr Hammond stipulates that he violated NRS 625.410(2) and NAC 625.530(1) by failing to meet deadlines he promised his client and, thus, prolonging the project. In addition, Mr Hammond stipulates that he violated NAC 625.530(5) by undertaking a project for which he was unqualified, and not seeking to engage specialists to assist.

NRS 625.410(5) provides authority for the State Board to administer discipline in Nevada for a violation of any NRS Chapter 625 statute and/or any regulation adopted by the State Board. Further, pursuant to NAC 625.640, a disciplinary matter may be resolved without a formal hearing by a Stipulated Agreement.

To that end, to resolve Complaint Number 20220009 now pending, Mr Hammond and the State Board resolve this matter on the following basis:

- 1.) Mr Hammond’s Nevada license shall be suspended for twenty-four (24) months following entry of this Agreement, but with the suspension stayed and probation imposed for the duration of that time period.
 - a.) On a bi-monthly basis, Mr Hammond shall submit, to the State Board, a probation report to include any copies of executed contracts for any project or client that Mr Hammond retains during the period of his probation.
 - b.) Mr Hammond has reimbursed the complainant a total amount of Seven Thousand and No/100 Dollars (\$7,000.00) for design and mapping fees paid to Mr Hammond (One Thousand Nine Hundred Fifty and No/100 (\$1,950.00) for mapping and Five Thousand Fifty and No/100 Dollars (\$5,050.00) for house design), which is satisfactory in lieu of an administrative fine.

c.) Mr Hammond shall pay legal and investigative costs to the State Board a total of One Thousand Seven Hundred and No/100 Dollars (\$1,700.00) within ninety (90) days of acceptance and execution of this Agreement by the State Board.

d.) Within ninety (90) days of acceptance and execution of this Agreement by the State Board, Mr Hammond shall have any land surveying services that he has performed since November 1, 2022, reviewed by a licensed Nevada Professional Land Surveyor selected by the State Board. Further, any additional land surveying services that Mr Hammond performs in Nevada through the end of the term of his probation hereunder, shall be reviewed by a licensed Nevada Professional Land Surveyor selected by the State Board. The selected Professional Land Surveyor shall be independent of, and have no conflict of interest with, Mr Hammond, and will provide the State Board an assessment of competency for every professional land surveyor project done by Mr Hammond during the above-designated time period. Mr Hammond shall bear the cost and expense of the selected Professional Land Surveyor's services.

Supplement to Stipulated Agreement

Case Number: 20220009

Violation of NRS 625.410(2) and NAC 625.530(5)

On or about January 24, 2024, the State Board approved a Stipulated Agreement ("2024 Stipulated Agreement") with Mr Hammond to resolve a disciplinary action against Mr Hammond. Thereunder, Mr Hammond stipulated to certain facts as being truthful, as well as to certain disciplinary conditions.

The State Board is in receipt of information indicating that concerns have arisen resulting from the disciplinary conditions set forth in the 2024 Stipulated Agreement. To address those concerns, the State Board and Mr Hammond hereby enter into this Supplemented Stipulated Agreement, pursuant to which Mr Hammond stipulates to the following facts as truthful.

Pursuant to the 2024 Stipulated Agreement, Mr Hammond admitted to violations of NRS 625.410(2), NAC 625.530(1), and NAC 625.530(5) by failing to meet client deadlines and by undertaking a project for which he was not qualified in the field of land surveying. The 2024 Stipulated Agreement provided that Mr Hammond's license would be suspended for twenty-four (24) months, but with such suspension stayed and probation imposed for the duration of that time period. As a condition of his probation, Mr Hammond was required to submit any land surveying services performed after November 1, 2022 for review by a licensed Nevada Professional Land Surveyor selected by the State Board. The selected Professional Land

Surveyor was to provide the State Board with an assessment of competency, based upon said review.

In or around December 2023, Mr Hammond was retained to divide a property north of Reno into two parcels. Mr Hammond drafted a proposed parcel map to that effect and submitted it to the Washoe County Survey team within Washoe County Engineering Division for technical map review. The Map Review Office noted over thirty (30) deficiencies with Mr Hammond's proposed map and rejected it, stating that the project could not be completed until a revised submittal was provided.

Mr Hammond then submitted the proposed map, along with the comments from the Washoe County Map Review Office, to a licensed land surveyor selected by the State Board to review Mr Hammond's work pursuant to the 2024 Stipulated Agreement ("PLS Reviewer"). The PLS Reviewer agreed with "all" of the deficiencies noted by the Map Review Office, as well as with their conclusion to reject Mr Hammond's proposed map. The PLS Reviewer also noted that Mr Hammond's proposed map had several other deficiencies pertaining to linetypes, land boundary establishments, and map references, and that the map did not comply with several County Ordinance requirements. Based on these issues, the PLS Reviewer concluded that "Mr Hammond lacks the minimum competency expected of a licensed Professional Land Surveyor in the State of Nevada".

VIOLATIONS and DISCIPLINARY ACTION

Pursuant to NRS 625.410(8) the State Board may take disciplinary action against a licensee for "[f]ailing to comply with an order issued by the Board." Pursuant to NAC 625.530(5), a professional engineer or land surveyor shall "[u]ndertake only those engineering or land surveying assignments for which he or she is qualified and engage or advise the employer or client to engage specialists and cooperate with them whenever the employer's or client's interests are served best by such an arrangement." Pursuant to the 2024 Stipulated Agreement, Mr Hammond's work product was subject to the review of an independent Nevada licensed professional land surveyor. Mr Hammond violated NAC 625.530(5) by submitting a proposed parcel map to the Washoe County Survey team within Washoe County Engineering Division Map Review Office that contained over thirty separate deficiencies and that was rejected by the Map Review Office. As a result of the independent review conducted pursuant to the 2024 Stipulated Agreement, the PLS Reviewer agreed that the proposed map was deficient and, further, concluded that Mr Hammond lacks the "minimum competency" expected of a Professional Land Surveyor.

NRS 625.410(2) provides authority for the State Board to administer discipline in Nevada for any gross negligence, incompetency or misconduct in the practice of professional engineering as a professional engineer and in the practice of professional land surveying as a professional land surveyor. Further, NRS 625.410(5) provides authority for the State Board to administer discipline in Nevada for a violation of any regulation adopted by the Board.

Based on the foregoing, Mr Hammond stipulates that he violated NRS 625.410(2) and NAC 625.530(5) by undertaking a project for which he was unqualified, providing work that was not minimally competent, and not seeking to engage specialists to assist.

Pursuant to NAC 625.640, a disciplinary matter may be resolved without a formal hearing by a Stipulated Agreement. To that end, pursuant to the State Board's ongoing oversight pursuant to the 2024 Stipulated Agreement, as well as the additional bases for discipline that have arisen thereunder, Mr Hammond and the State Board resolve to supplement the conditions placed in the 2024 Stipulated Agreement, as follows:

1. The stay of the suspension of Mr Hammond's Nevada Professional Land Surveying License, as set forth in the 2024 Stipulated Agreement, is hereby lifted, and Mr Hammond's license to practice professional land surveying shall be suspended following entry of this Agreement. Mr Hammond can be subject to additional discipline, upon notice and the opportunity to be heard, should Mr Hammond fail to abide by the terms hereof. The suspension of Mr Hammond's professional land surveying license shall continue, and Mr Hammond will not be able to apply for renewal or reinstatement of said license after expiration, until Mr Hammond complies with the following terms:

(a) Mr Hammond satisfying the obligations listed under 1(b) and 1(c) of the 2024 Stipulated Agreement;

(b) Mr Hammond taking and passing the Nevada State Specific Professional Land Surveyor Examination ("NSSPLSE");

(c) Following receipt of a passing score on the NSSPLSE, Mr Hammond appearing before the State Board for an oral interview to determine areas of competency within the discipline of professional land surveying, by which he will abide.

(d) Mr Hammond paying legal and investigative costs to the State Board a total of Three Thousand Two Hundred and Ninety Dollars (\$3,290.00) within ninety (90) days of acceptance and execution of this Agreement by the State Board.

Stipulated Agreement Arising from Oral Interview

Case Number: 20220009

Mr Hammond has complied with the terms of the 2024 Stipulated Agreement and Supplemental Stipulated Agreement. However, as a component of the Supplemental Stipulated Agreement, Mr Hammond, on July 17, 2025, appeared “before the State Board for an oral interview to determine areas of competency within the discipline of professional land surveying, by which he will abide.” As a result of said oral interview, the State Board found various concerns with Mr Hammond’s competency in the discipline of professional land surveying.

To that end, pursuant to the State Board’s ongoing oversight pursuant to the 2024 Stipulated Agreement, and subsequent Supplement thereto, Mr Hammond and the State Board resolve to address the concerns of the State Board by stipulating to the following conditions.

1. Mr Hammond’s Nevada license to practice professional land surveying shall remain suspended following entry of this Agreement. Mr Hammond can be subject to additional discipline, upon notice and the opportunity to be heard, should Mr Hammond fail to abide by the terms hereof. The suspension of Mr Hammond’s professional land surveying license shall continue, and Mr Hammond will not be able to apply for renewal or reinstatement of said license after expiration, until Mr Hammond complies, to the satisfaction of the State Board, with the following terms:

(a) Mr Hammond shall coordinate with State Board staff to engage a Nevada licensed Professional Land Surveyor that is approved by the State Board to provide land surveying mentorship (“PLS Mentor”). The PLS Mentor will be provided with a State Board produced outline of areas for skill development. Mr Hammond shall be responsible for all costs relating to time and expense for the services of the PLS Mentor.

(b) Mr Hammond shall research, prepare, and present a White Paper to the State Board that addresses and evidences an understanding of the following:

- i. Boundary retracement and boundary evidence evaluations.
- ii. The importance of the monumentation on adjoining parcels in any mapping effort.
- iii. The complexities related to mapping adjacent to highways, railroads, and riparian features.

(c) Present a work plan outlining processes in performing mapping.

(d) Present a quality control (“QC”) plan for his field measurement procedures.

2. Following completion and acceptance/approval by the State Board of all items in Section 1, the stay of suspension will be reinstated on Mr Hammond's Nevada PLS license, and probation will be imposed with the following terms:

(a) Bi-monthly probation reports to be submitted for any Nevada work, including copies of executed contracts and specific work plan for each project (see 1.(c) above)

(b) Work product to be reviewed by the PLS Mentor prior to agency submittal or release to client.

(c) Assessment by the PLS Mentor of Mr Hammond's progress (skill development) to be included with each bi-monthly probation report.

(d) Probation period of thirty-six (36) months, but can be revised based on progress or lack of progress as reported by the PLS Mentor.

LAST PROBATION REPORTS DUE February 15, 2029

PROBATION REPORT
(MUST BE TYPED)

PROBATIONER: PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF: THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY: STATE: ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY: STATE: ZIP CODE:

SIZE: START DATE: END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

DESCRIBE IN DETAIL YOUR INVOLVEMENT IN THIS PROJECT AND HOW YOU HANDLED THIS PROJECT.

DESCRIBE IN DETAIL HOW YOU IMPROVED ON THIS PROJECT IN THE AREAS FOR WHICH YOU ARE ON PROBATION.

SIGNATURE:

DATE:

Lyle Scott Mackay, PE 015131

Case Number: 20240006

Violation of NRS 625.410 (4)

On October 4, 2001, Mr Mackay was licensed as a professional engineer in Nevada, via comity, and he maintained his licensure in Nevada on-and-of through December 31, 2017.

On March 18, 2016, Mr Mackay was found guilty, pursuant to plea, of attempted aggravated sexual abuse of a child, a first-degree felony, in the 3rd District Court, West Jordan, Utah.

On April 5, 2016, the Utah Board approved a Stipulation and Order, whereby Mr Mackay voluntarily surrendered his Utah PE license related to his admission of sexually abusing an eleven (11) year old male in Utah, and Mr Mackay was prohibited from applying for re-licensure in Utah for five (5) years therefrom.

On July 22, 2022, a Stipulation and Order was entered by the Utah Board with Mr Mackay, granting him a probationary professional engineering license, subject to various conditions to remain in place so long as he is registered on the Utah Sex Offender Registry.

On September 7, 2022, Mr Mackay submitted an application for reinstatement of his professional engineering license in Nevada, which included a disclosure of his felony conviction and corresponding disciplinary action in Utah. The disclosure of conviction and disciplinary action in Utah was missed in the Nevada license reinstatement application review, and Mr Mackay's professional engineering license was reinstated without sanction or limitation¹.

On December 31, 2023, Mr Mackay's professional engineering license with Nevada expired.

On April 1, 2024, a "Settlement Agreement, Stipulation, and Order for Reissuance of PE License Subject to Conditions" was entered by the Wyoming Board Engineers and Professional Land Surveyors ("Wyoming Board"), attached hereto as Exhibit "B" and incorporated herein by this reference, granting Mr Mackay a conditional professional engineering license, with conditions to remain in place until Mr Mackay's Utah professional engineering license is fully reinstated without conditions/restrictions.

On May 6, 2024, Mr Mackay applied for late renewal of his Nevada professional engineering license, disclosing his Wyoming discipline, which is now pending.

Application for late renewal

First, Mr Mackay allowed his Nevada professional engineering license to lapse on December 31, 2023, and he applied for late renewal thereof on May 6, 2024, which is now pending. For licensing, NRS 625.183 requires, in relevant part, that an applicant “[b]e of good character and reputation.” Without the need for elaboration, Mr Mackay’s conviction of a felony, and the nature of the underlying crime, does not satisfy the requirement “of good character and reputation”.

As such, even though Mr Mackay was inadvertently approved for licensure in Nevada in 2022, his latest application for late renewal may be denied. This Stipulated Agreement allows for conditional approval of said late renewal, pursuant to terms hereinafter set forth.

Reciprocal Discipline

NRS 625.410 states that the State Board may take disciplinary action against a licensee for discipline by another state or territory, if at least one of the grounds for discipline is the same or substantially equivalent to any ground under Nevada law.

The Utah Board imposed discipline, via the Stipulation and Order attached hereto as Exhibit “A”, upon Mr Mackay for “unprofessional conduct”, as specifically defined under Utah Code Ann. § 58-1-501(2)(c), which reads” “engaging in conduct that results in conviction, a plea of nolo contendere, or a plea of guilty or nolo contendere which is held in abeyance pending the successful completion of probation with respect to a crime of moral turpitude or any other crime that, when considered with the functions and duties of the occupation or profession for which the license was issued, bears a substantial relationship to the licensee’s or applicant’s ability to safely or competently practice the occupation or profession”.

Nevada’s NRS 625.410 (4) provides grounds for discipline when there is a “[c]onviction of a plea of nolo contendere to any crime an essential element of which is dishonest or which is directly related to the practice of engineering or land surveying”.

Mr Mackay’s conviction in Utah, as per the Stipulation and Order from the Utah Board, “...when considered with the function and duties of [his] license classification, bears a substantial relationship to [his] ability to safely and/or competently operate as a licensee.” Utah’s and Nevada’s grounds for discipline based upon conviction of a crime that relates to the practice of engineering are substantially similar, and, thus, pursuant to NRS 625.410(4), form the basis for the Nevada State Board to impose discipline on Mr Mackay.

Pursuant to NAC 625.640(3)(b)(2), a disciplinary matter against a licensee may be resolved without a formal hearing by Stipulated Agreement. As such, Mr Mackay and the Nevada State Board hereby stipulate to the following terms for the above-referenced violation(s):

- 1.) Mr Mackay's Nevada professional engineering license shall be renewed following entry of this Agreement, but immediately suspended, with the suspension stayed and probation imposed for the duration of his requirement to register on any Sex Offender Registry in any State of the United States.
- 2.) Mr Mackay shall not work in any occupied residences or any worksite where a minor is present.
- 3.) Mr Mackay shall provide a copy of this Stipulated Agreement, once executed by the Nevada State Board, to any employer he has for the duration of his probation hereunder. Mr Mackay shall provide immediate written notice to the Nevada State Board should he become self-employed or not be employed by a general contractor or an engineering firm, and the Board may, upon a duly noticed hearing on the matter, impose such requirements as deemed appropriate to address concerns that arise from Mr Mackay not having employer oversight.
- 4.) Mr Mackay shall provide the Nevada State Board a copy of the quarterly reports provided by his employer to the Utah Board.
- 5.) Mr Mackay must comply with all requirements imposed by both the Utah Board and Wyoming Board Stipulation and Orders.
- 6.) Mr Mackay shall timely submit detailed bi-monthly probation reports to the Executive Director of the State Board, which shall report any work completed in Nevada during the previous two (2) month period. A report shall be filed even if no work was performed in Nevada during the previous two (2) month period. The first report shall be due within two (2) months of the effective date of this Stipulated Agreement. Each report shall include a copy of the contract executed for any work in Nevada, including the scope of work detail.
- 7.) The stay of Mr Mackay's license suspension may be lifted by the State Board, upon notice and the opportunity for Mr Mackay to be heard, should Mr Mackay fail to abide by the terms hereof.
- 8.) Mr Mackay's successful completion of probation is expressly conditioned upon his full compliance with the following conditions of probation:
 - (a) Mr Mackay shall obey all laws and regulations related to the practices of professional engineering and professional land surveying;
 - (b) Mr Mackay shall provide the Nevada State Board with proof of fulfilling the Utah and Wyoming Stipulation and Orders.

LAST PROBATION REPORTS DUE – indefinite probation

PROBATION REPORT
(MUST BE TYPED)

Print Form

PROBATIONER: PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF: THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY: STATE: ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY: STATE: ZIP CODE:

SIZE: START DATE: END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

DESCRIBE IN DETAIL YOUR INVOLVEMENT IN THIS PROJECT AND HOW YOU HANDLED THIS PROJECT.

DESCRIBE IN DETAIL HOW YOU IMPROVED ON THIS PROJECT IN THE AREAS FOR WHICH YOU ARE ON PROBATION.

SIGNATURE:

DATE:

Kevin Gutman, PE 028002

Case Number: 20240003

Violation of NAC 625.530 (1) and (8)

In March 2022, Mr Gutman was hired by Mr Bell as a full-time employee of HCE. On March 14, 2022, Mr Gutman signed HCE's handbook agreeing to the terms of employment, which prohibits employees from "moonlighting" or obtaining supplemental employment as an engineer without the express approval of the President of the company.

Mr Gutman worked in-office for the first thirty days of his employment with HCE and then moved into a remote status. According to his complaint later submitted to the State Board, Mr Bell noticed that Mr Gutman's work performance was inconsistent, that he was difficult to reach, and that he often uploaded work product during nighttime and early morning hours. After Mr Gutman missed a deadline in January 2024, Mr Bell began researching Mr Gutman's online professional profile and discovered that he was listed as a Senior Project Engineer at an engineering firm with offices in Colorado and New Mexico.

Mr Bell then contacted the firm and confirmed that Mr Gutman had been employed as a full-time mechanical engineer since June 2022. On January 25, 2024, Mr Bell and Mr Gutman had an online video conference. Mr Bell raised the issue of Mr Gutman's inconsistent work performance and asked if Mr Gutman was working for another company. Mr Gutman stated he was having a difficult week due to personal reasons but denied that he was employed with another engineering company. Mr Bell then terminated Mr Gutman immediately.

Subsequently, Mr Bell filed a complaint with the State Board concerning Mr Gutman. In a letter to the State Board responding to Mr Bell's complaint, Mr Gutman admitted to working for two different engineering firms between June 2022 and January 2024, but he stated that he was not aware of HCE's policy prohibiting supplemental employment. He also noted that he was no longer employed by the other firm. The State Board contacted Mr Gutman's other former employer and confirmed that Mr Gutman had been terminated in late January 2024 for lack of performance.

VIOLATIONS and DISCIPLINARY ACTION

NAC 625.530(1)1 provides that a professional engineer shall "[a]ct in professional matters as a faithful agent or trustee for each employer or client." Here, Mr Gutman failed to act as a faithful agent of HCE by obtaining supplemental employment as a professional engineer without the permission of HCE.

NAC 625.530(8) provides that a professional engineer “shall, [w]hile employed, not engage in supplementary employment or consulting practice except with the consent of the employer.” Here, Mr Gutman violated this provision by obtaining employment with the other firm during his employment with HCE without securing HCE’s consent.

Under NRS 625.410(8),² the State Board may take disciplinary action against a licensed engineer for “[a] violation of any provision of this chapter or regulation adopted by the Board” Pursuant to NAC 625.640,³ a disciplinary matter may be resolved by Stipulated Agreement without conducting a formal hearing. To that end, to resolve Complaint No. 20240003 now pending, Mr Gutman and the State Board stipulate that:

1. Mr Gutman’s Nevada license shall be suspended for twenty-four (24) months following the entry of this Agreement, but such suspension shall be stayed and probation imposed for the duration of that time period. The stay of Mr Gutman’s suspension may be lifted by the State Board, and Mr Gutman may be subject to additional discipline, upon notice and the opportunity to be heard, should he fail to abide by the terms of this Revised Stipulated Agreement. Mr Gutman’s successful completion of

probation is expressly conditioned upon his full compliance with the following conditions:

- a. Mr Gutman shall obey all laws and regulations related to the practices of professional engineering and professional land surveying;
- b. Mr Gutman shall timely submit, once every two (2) months, detailed probation reports to the Executive Director of the State Board, which shall report any work completed in Nevada during the previous two-month period. A report shall be filed even if no work was performed during the previous period. The first report shall be due within two (2) months of the effective date of this Revised Stipulated Agreement.
- c. Mr Gutman shall provide a copy of this Revised Stipulated Agreement to any employer in the professional engineering field that Mr Gutman is employed by during the course of his probation.
- d. Mr Gutman shall pay, within six (6) months of acceptance and execution of this Agreement, Two Thousand Two Hundred Eighty-Seven and 50/100 Dollars (\$2,287.50) to the State Board as reimbursement of legal expenses incurred by the State Board in this matter.
- e. Mr Gutman shall, within one (1) year of the effective date of this Revised Stipulated Agreement, successfully complete an intermediate level ethics course with Texas Tech

University and shall submit proof of completion to the Board within sixty (60) days of completion of the course.

LAST PROBATION REPORTS DUE December 15, 2026

PROBATION REPORT
(MUST BE TYPED)

Print Form

PROBATIONER: PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF: THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY: STATE: ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY: STATE: ZIP CODE:

SIZE: START DATE: END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

No work completed in the State of Nevada, for the probation period between 02-05-2026 and 04-04-2026.

DESCRIBE IN DETAIL YOUR INVOLVEMENT IN THIS PROJECT AND HOW YOU HANDLED THIS PROJECT.

N/A

DESCRIBE IN DETAIL HOW YOU IMPROVED ON THIS PROJECT IN THE AREAS FOR WHICH YOU ARE ON PROBATION.

N/A

SIGNATURE:

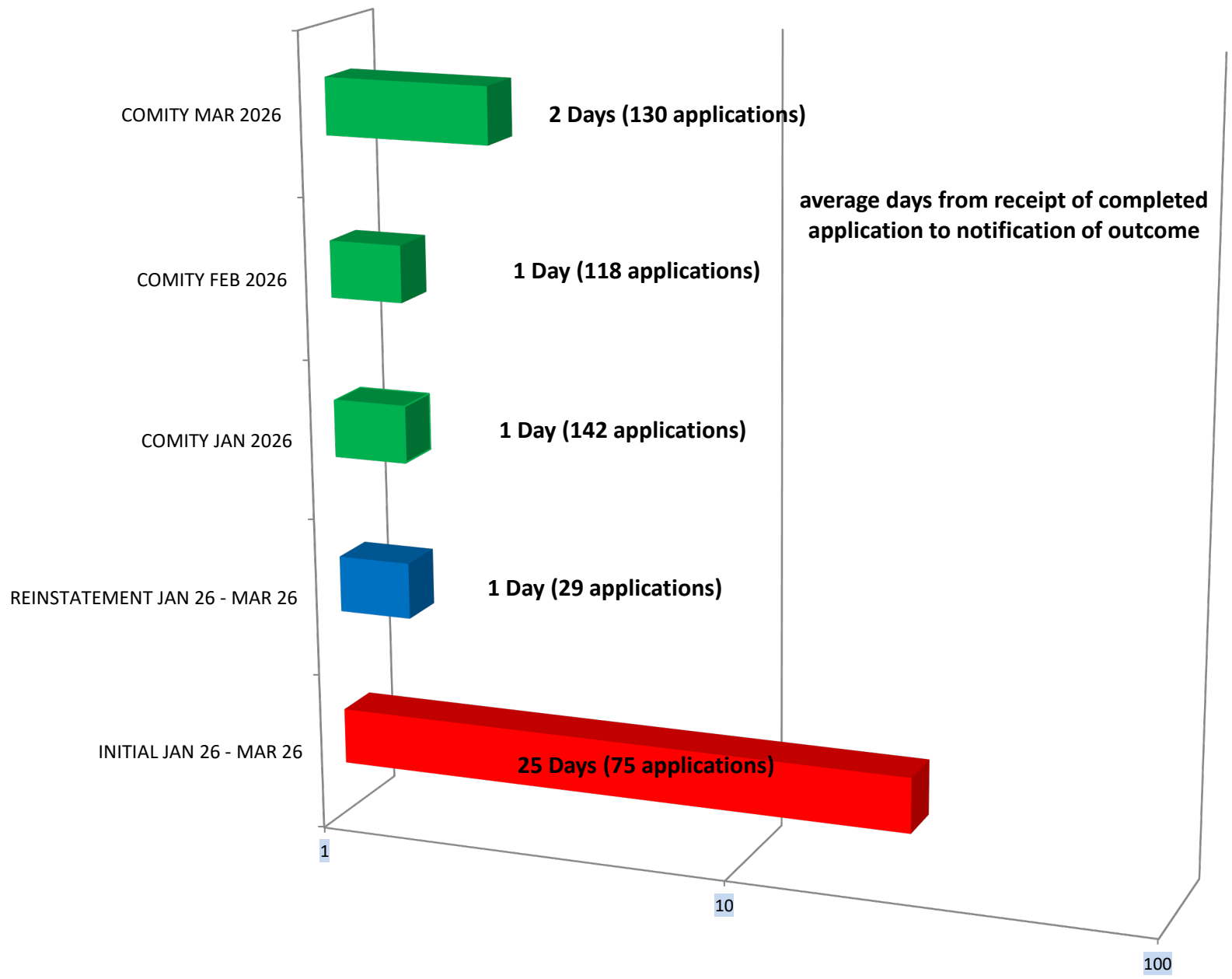
DATE:

11. Board Counsel Report

11.a. Delegation of
Authority to Executive
Director and Board
Liaison – Tolling
Agreements
(Pending Litigation)

12. Administrative Report by Executive Director

12.a. Approved Licensees Report



12.b. 2021-2025 Strategic Plan



STRATEGIC PLAN UPDATE

Executive Summary

Approved November 12, 2020

UPDATED Fall 2020

EXECUTIVE SUMMARY

STRATEGIC PLAN UPDATE ~ SEPTEMBER 11, 2020

The Nevada Board of Professional Engineers and Land Surveyors developed a comprehensive Strategic Plan in March 2017. The plan was created using a 10-30 year planning horizon based on the board's core ideology consisting of a core purpose and core values.

Because the Strategic Plan had been developed in 2017, the board felt it was timely to reconsider its contents. The Board met September 11, 2020 to comprehensively review its Strategic Plan and consider any needed updates to that plan.

At the September 11, 2020 Strategic Planning Session, the board reaffirmed that the goals developed in the current Strategic Plan based on a 10-30 year planning horizon were still relevant. The session then focused on review and refresh of strategies. It was agreed that tactics and action items would be driven by the strategies and developed by the board and its committees at future meetings.

This document restates the board's goals for its updated Strategic Plan and captures the board's strategies for the next 3-5 year planning horizon.

EXECUTIVE SUMMARY

PURPOSE ~ MISSION ~ CORE VALUES

Purpose

The purpose of the board, as stated in Nevada Revised Statute 625.005, is to safeguard life, health and property and to promote the public welfare by providing for the licensure of qualified and competent professional engineers and professional land surveyors.

Mission

Founded on the board's purpose, the board's mission is to uphold the value of professional engineering and land surveying licensure by assessing minimum competency for initial entry into the profession, and to ensure ongoing standard of professionalism by facilitating compliance with laws, regulations, and code of practice; and to provide understanding and progression in licensure by openly engaging with all stakeholders.

Core Values

The board's core values are:

Integrity

Transparency

The core values were identified by board members and staff during the strategic planning sessions as guiding principles in the performance of their duties. A commitment was made to deliver on these values and provide governance that is ethical, honest, and consistent, and to function on a daily basis with accessibility and openness that is without obstruction.

3-5 YEAR PLANNING HORIZON

~ OUTCOME-FOCUSED GOALS AND STRATEGIES ~

The following thinking represents the organization's goals for the next 3-5 years. These **Goals** are outcome-oriented statements that represent what will constitute the Nevada board's future success. The achievement of each goal will move the organization towards the realization of its Envisioned Future. The **Strategies** reflect the broad range of direction that will be undertaken to change the existing conditions in order to achieve the goal – they drive **Tactics** -- the type of work and initiatives that will need to be undertaken to achieve the goal.

Strategies considered at the the September 11, 2020 strategic planning session discussion were presented for board consideration November 12, 2020. New or updated strategies are in bold text.

Outcome-Focused Goals

1. Outreach

The general public, prospective licensees and other key stakeholders have a greater understanding that engineering and surveying licensure are essential to safeguarding public health, safety and welfare.

2. Licensure

The demonstrated value of licensure results in continued growth in the number, quality and diversity of licensed engineers and surveyors practicing in Nevada.

3. Regulation

Nevada regulations are compatible with and reflective of the current state of practice in engineering and surveying and are in alignment with Nevada's economic development strategy.

4. Operational Excellence

The Nevada Board's efficient and effective use of technology and streamlined systems, processes and procedures result in high levels of satisfaction by all stakeholders.

Goal 1: Outreach

The general public, prospective licensees and other key stakeholders have a greater understanding that engineering and surveying licensure are essential to safeguarding public health, safety and welfare.

Strategies

1. Increase legislators understanding of criticality of services provided by the board and professional engineers/professional land surveyors
2. **Evolve technical capability and expand social media presence**
3. Increase visibility of the Board
4. **Sustain appropriate allocation of resources for effective content development**

Goal 2: Licensure

The demonstrated value of licensure results in continued growth in the number, quality and diversity of licensed engineers and surveyors practicing in Nevada

Strategies

1. Increase/stress the importance of licensure to university level students
2. Increase the public's knowledge about the value of licensure
3. Increase kids' knowledge of what engineers/land surveyors do
4. **Continuously work to improve the process and portability of licenses**
5. Provide options to meet land surveyor educational requirements
6. **Increase knowledge of the quality of experience required for licensure to potential licensees**

7. **Maintain relevancy of engineering licensure, specifically as it relates to emerging technologies**

Goal 3: Regulation

Nevada regulations are compatible with and reflective of the current state of practice in engineering and surveying and are in alignment with Nevada's economic development strategy.

Strategies

1. **Maintain currency and applicability of statutes and regulations**
2. Increase relationships with key stakeholders
3. **Increase awareness of new/emerging technologies in relation to statutes and regulations**

Goal 4: Operational Excellence

The Nevada Board's efficient and effective use of technology and streamlined systems, processes and procedures result in high levels of satisfaction by all stakeholders.

Strategies

1. **Maintain effective staff capacity**
2. **Maintain business plan for resource allocation to support board goals**
3. **Maintain effective office and administrative processes**
4. Build a data collection strategy to ensure we have data needed for effective decision making
5. **Increase transparency and communication with stakeholders of board functions, operations, and initiatives**

12.c. NCEES

12.c.i. NCEES Western Zone Meeting Update

13. Committee Reports

13.a. Administrative Procedures Oversight Committee

13.a.i. Executive Director Work Performance and Salary

GOALS AND PERFORMANCE EVALUATION

Name:	Mark Fakler	Evaluation period:	April 2025 – April 2026
Title:	Executive Director		

GOALS, OBJECTIVES, ACHIEVEMENTS and ACCOMPLISHMENTS *(COMPLETED BY EXECUTIVE DIRECTOR)*

• Outreach—

Board staff continue to maintain positive presence on social media platforms in support of public communications. Served and scheduled as a speaker for various events— ASCE, NALS, SEASoN, APWA, Western Regional Survey Conference.

- Involving board lobbyist with legislators on an ongoing basis
 - **Board lobbyist—continuous communications with lobbyist to advance board initiatives.**
 - **Met with Assembly Members to explain NVBPELS operations, focus, and commitment to serving the State. Have prepared a collateral document as leave behind with state legislators.**
 - **Coordinated with lobbyist and assembly members for the adoption and signature of the Governor for Assembly Bill No. 270 (AB 270).**
 - **Continued work and coordination with Business and industry, Board Chair, Lobbyist, and Board Counsel regarding Senate Bill No. 78 (SB 78) through the end of the 83rd session.**
Working with NALS, public entities & public stake holders to prepare and represent the BDR for NRS 327.
 - Coordinate updated draft language with NALS and public stakeholders
 - Prepare collateral pieces for stakeholder and legislators
 - Convening committee meetings and public workshop
 Coordinating with governmental liaison for sponsor and introduction to the 84th Legislative session
 - **Working with the Office of the Nevada Boards, Commissions and Council Standards (NBCCS) as they work on regulation updates to NAC 232.**
 - Prepared responses to proposed updates by NBCCS & LCB
 - Presented comments at two public workshops with more to come
- Increase visibility of the board
 - **Maintained positive presence on social media platforms.**
 - **Actively engaged as committee chair with UNLV Civil & Environment Engineering & Construction Department.**
 - **Served as a judge in the Fall 2025 Senior Design Competition UNLV College of Engineering.**
 - **Professional standards position being utilized to speak at industry events and to stake holder groups.**
 - **Published public service announcement regarding the fraudulent use of professional stamps by bad actors utilizing online work platforms.**
 - **Coordination continues with NCEES/ARPL group regarding national push for board reform.**
- Increase modes of delivering key messages and frequency of delivery
 - **Speaking at professional society meetings on key board issues.**
 - **Western Regional Survey Conference Spring 2026**
 - **SEASoN**
 - **ASCE Virginia City Chapter**
 - **ASCE/NALS Reno**
 - **Fall 2025 and Spring 2026 APWA conferences**
 - **UNR College of Engineering (Fall 2025 Career Fair)**
 - **Maintain frequency of minimum two times per year publishing of newsletter.**
 - **Maintain a positive presence on social media platforms—LinkedIn, X, Instagram, Facebook, and website Blog.**

• Licensure—

Continued outreach to university students, increasing student knowledge of engineering/land surveying. Assisted with the updating of regulations to reflect current practices.

- Increase/stress importance of licensure to university students
 - **Outreach to UNLV and UNR for opportunities to speak to engineering students.**
- Increase public knowledge about value of licensure
 - **Maintained social media program to increase public awareness of NVBPELS and importance of licensure.**
- Maintain speed of process of licensure
 - **Maintain current efficiencies in comity and initial licensure, while looking for improvements in administrative processes to further reduce process time for licensure.**
- Provide options to meet land surveyor education requirements
 - **Work with board chair and surveyor board members to be as flexible as possible within current law to license initial/comity PLS applicants.**
- Professional Engineering licensure
 - **Meet and assist non-traditional applicants with the licensure process.**
 - **Coordinated with the Board & staff in the evaluation of the Education Matrix for Engineering.**

• **Regulation—**

Continue to update regulations and make reflective of current practice in alignment with NV economic strategy. Completing the review process for a Board opinion on the Division of Minerals updates to NAC 522 regarding location plat maps for oil/gas well drilling permits & surveying of fixed works.

- Decrease outdated regulations and increase applicability of regulations
 - **Coordinating final phase of the major PLS regulation update; LCB File No. R007-24 adopted by Legislative Commission August 19, 2025; Filed August 20, 2025.**
 - **Continual review of regulations for relevance.**
- Increase relationships with key stakeholders
 - **PAL Committee—continued engagement and sharing of board activities, maintain PAL calendar on NVBPELS website, and partner with stakeholders as appropriate to host events, or further NVBPELS goals.**
 - **Governmental Outreach Committee formed and operational.**
 - **Maintain constant communication with Cassidy Wilson and Chris MacKenzie through the final months of the 83rd Legislative Session. Have commenced the initial stages of planning for the upcoming 84th Legislative session.**
 - **Working with liaison and NBCCS on proposed regulation updates to NAC 232**
 - **Met one-on-one with assembly members to inform them of NVBPELS operations and commitment to Nevada.**
- Increase awareness of new/emerging technologies
 - **Speaker at professional organization meetings to increase awareness.**
 - **Share knowledge/information with board members, legislators, and stakeholders as appropriate.**

• **Operational Excellence—**

Staffing Reno/Las Vegas offices as necessary, continued staff cross-training, retained social media consultant, completed conversion to e-files/eliminated paper files. Create business plan/budget for new initiatives/board improvements/updates and moving to new licensing platform in early in the first half of the new fiscal year. We continue to review of office procedures and processes for way to improve efficiencies in operations.

- Increase staff capacity
 - **Temp services—temporary staff retained as necessary to assist with peak workloads.**
 - **Cross training staff to ensure continued efficiency when positions are vacant or have extended leave.**
 - **Evaluate staff capabilities and operational needs.**
 - **Continue to evaluate processes to identify areas to streamline.**
- Update to the Executive Summary of the 2020 Strategic Plan
 - **Strategic Planning Session held in November 2025.**

- Create business plan/budget to fund initiatives, board improvements, and updating of systems
 - **Budget—draft budget FY 2026-2027 plan presented to APOC Committee for presentation to the board at its May 14, 2026, meeting.**
 - **Initiated and completed the State contracting process to hire an administrative law judge.**
 - **Have commenced the contracting process with government liaison consultant.**

- Update all office and administrative processes
 - **Continued automation of processes to automate have been automated, working with current database vendor to migrate database to new platform and provide applicant/licensee dashboard.**
 - **Continued evaluation of website to identify customer-facing improvements needed to gain added operational benefits.**
 - **Employee performance evaluations—staff evaluations are completed periodically as needed and on anniversary dates of employment.**
 - **Evaluation of office and administrative processes—continuous evaluation of systems to identify needed improvements and development of plan/s to address.**
 - **Attended the State’s contracting one day workshop.**

- Build a data collection strategy to ensure we have data needed for effective decision making
 - **Website—with implementation of social media platforms, analytics have been added to website and data is being collected and evaluated to identify needed improvements.**
 - **New platform for licensing software system is under development currently.**
 - **Firm registration platform is in the testing stage with rollout planned for July 2026.**

EVALUATION *(completed by reviewer)*

EVALUATION (Completed by Reviewer – Draft Based on Prior Board Language & Current Year Activity)

The APOC Committee conducted its annual review of Mr. Fakler’s performance for the April 2025 – April 2026 evaluation period.

The Committee recognized Mr. Fakler’s continued leadership in advancing the Board’s legislative priorities, including successful coordination efforts resulting in the passage of AB 270 and continued engagement on SB 78 and future legislative initiatives. His proactive outreach to legislators and stakeholders, including development of supporting materials and direct engagement, was noted as a significant strength.

The Committee further acknowledged Mr. Fakler’s efforts to expand the Board’s visibility through increased participation in professional organizations, public speaking engagements, and continued communication through newsletters and social media platforms. These efforts support the Board’s mission of public protection and increased awareness of licensure.

Operationally, the Committee noted continued progress in modernization efforts, including advancement of the licensing platform, transition to digital processes, and development of strategic and budget planning initiatives. The completion of key contracting processes and continued improvements to internal operations were also recognized.

Consistent with prior feedback, the Committee acknowledges that Mr. Fakler has continued to grow in the role and has demonstrated increased capacity in managing both operational and legislative responsibilities. Overall, the Committee finds that Mr. Fakler has performed well and continues to meet the expectations of the Executive Director position.

Mr. Fakler’s compensation rate was discussed, and the committee unanimously agreed to recommend to the Board an 8% pay increase. This would reflect a merit increase, based upon performance, combined with a cost of living increase.

A

Strengths

- Strong legislative coordination and stakeholder engagement
- Increased visibility and outreach across professional and public audiences
- Continued progress in operational modernization and strategic planning
- Effective management of Board priorities and initiatives

Areas for Development

1. Continued refinement of presentation and communication in Board and public settings
2. Ongoing development of regulatory and compliance expertise
3. Continued familiarity with NCEES processes and national best practices

GOALS AND OBJECTIVES FOR NEXT EVALUATION PERIOD

Given ongoing legislative changes and implementation of new systems and initiatives, the Committee recommends continued flexibility in establishing long-term goals until the impacts of recent legislative and operational changes are fully realized.

Focus areas for the upcoming evaluation period may include:

- Continued outreach with stakeholder groups, universities (introduce honor chords FE) and public agencies
- Continued legislative engagement for the 84th Session
- Ongoing regulatory updates and stakeholder coordination
- Continued development of staff, cross training of staff and succession planning
- Continued updating of board handbook, employee handbook and best practices manual
- Further development of data-driven decision making strategies.

EXECUTIVE DRIECTOR SIGNATURE

BOARD CHAIR SIGNATURE

Date

Date

13.a.ii. Budget for Fiscal
Year July 1, 2026 to June
30, 2027

Narrative for Proposed Budget Fiscal Year July 1, 2026, to June 30, 2027

Revenues are budgeted to increase approximately 5% compared to the projected FY 2025-2026 year end actuals, which equates to a 10% increase compared to the approved FY 2025-2026 Budget. We continue to see growth in the number of license applications and renewals in Nevada and gains in interest income from investment accounts.

Expenses are budgeted to also increase approximately 10%, primarily due to software, annual rent increase, payroll adjustments, growth in online processing fees – merchant service fees for cc transactions, legal expenses (84th Legislative Session), Governmental Liaison fees, increased costs for accounting services, and LAS/RNO Office support.

Deferred expenses are included in the budget to fund items that have been identified in the NVBPELS Business Plan. The Business Plan was created to identify the amount of reserve monies needed to address deferred operational expenses.

- New platforms (Firms & Licensing)
- Succession Process
- Transfer of institutional knowledge
- Complete move to a paperless office
- 84th Legislative Session

Proposed budgeted **deferred expenses total \$189,000** and include:

- \$81,000 for contract labor as part of the succession process while maintaining institutional knowledge. The upcoming legislative session and understanding and preparing for the potential impact perceived potential board reform legislation will in all likelihood consume a large amount of staff time, preparation, and presentation of the NRS 327 Bill Draft Request.
- \$67,500 (\$50k wages + burden) for realignment of staff duties to enable current staff to focus a portion of their work hours on deferred items.
- \$35,000 for licensing database upgrade/implementation and a new firm registration platform, including associated cloud software hosting costs.
- \$5,000 for updating website content and structure, mainly to integrate with the new licensing and firm platforms.
- \$500 for legal and government liaison fees associated with continued work on catching up on updating regulations and statutes.

	APPROVED BUDGET	ACTUAL Jun 30, 2024	ACTUAL Jun 30, 2025	ACTUAL as of Jan 31, 2026	PROPOSED BUDGET
	Jul '25 - Jun '26	Jul '23 - Jun '24	Jul '24 - Jun '25	Jul '25 - Jan '26	Jul '26 - Jun '27
Ordinary Income/Expense					
Income					
4000 - REVENUE					
4201 - Application Fees					
4002 - PE Exam Application					
4004 - PLS Exam Application					
4202 - PE Comity Application	165,000.00	154,988.36	157,250.00	94,125.00	171,000.00
4203 - PLS Comity Application	4,500.00	5,125.00	6,000.00	2,375.00	5,900.00
4204 - PE Initial License Application	6,500.00	5,200.00	5,675.00	3,525.00	6,100.00
4205 - PLS Initial License Application	400.00	125.00	200.00	75.00	200.00
4206 - PE Reinstatement Application	20,000.00	20,400.00	18,000.00	11,000.00	22,000.00
4207 - PLS Reinstatement Application	800.00	1,000.00	1,200.00	200.00	800.00
4208 - EI Certification Application	10,000.00	10,490.00	11,750.00	6,800.00	12,000.00
4209 - LSI Certification Application	100.00	0.00	0.00	0.00	0.00
Total 4201 - Application Fees	207,300.00	197,328.36	200,075.00	118,100.00	218,000.00
4250 - Renewals & Exam Fees					
4251 - PE/PLS Renewals	705,000.00	691,607.50	677,722.00	491,290.00	787,000.00
4252 - Renewal Late Fees	15,500.00	15,300.00	19,300.00	12,650.00	17,500.00
4253 - PE License Fees	90,000.00	89,743.75	99,900.00	53,700.00	99,500.00
4254 - PLS License Fees	3,000.00	75.00	0.00	9,025.00	4,500.00
4255 - NV Specific Exam Fees	3,000.00	3,100.00	3,600.00	1,500.00	4,000.00
Total 4250 - Renewals & Exam Fees	816,500.00	799,826.25	800,522.00	568,165.00	912,500.00
4300 - Other Revenue					
4301 - Replacement Certificate/Pocket Card	300.00	570.00	655.00	750.00	600.00
4302 - Stamp Fees	0.00		0.00		0.00
4303 - Interest Income	75,000.00	92,529.60	86,199.22	48,858.19	72,500.00
4304 - Discipline Pd to NV Gen Fund	0.00	10,949.50	4,450.00	5,000.00	0.00
4305 - Investigative Cost Recovery	0.00	3,981.50	5,577.50	2,942.50	0.00
4306 - Miscellaneous	0.00		300.00		0.00
4307 - Firm Registration	90,000.00	98,750.00	105,550.00	75,250.00	112,000.00
4308 - Business Name Request	0.00				0.00
4310 - PDH Event Income	0.00		0.00		0.00
4311 - Waiver/Document Fees	300.00	1,650.00	850.00	650.00	650.00
4312 - Online Convenience Fees	0.00		0.00		0.00
Total 4300 - Other Revenue	165,600.00	208,430.60	203,581.72	133,450.69	185,750.00
Total 4000 - REVENUE					
Total Income					
Gross Profit	1,189,400.00	1,205,585.21	1,204,178.72	819,715.69	1,316,250.00
Expense					
5100 - PAYROLL EXPENSES					
5101 - Accrued Benefits		3,818.79	-8,526.32		
5102 - Employee Health Insurance	70,000.00	59,763.86	62,487.56	37,781.00	68,000.00
5103 - Employee IRA/SEP	40,000.00	40,448.77	43,428.34	22,922.31	45,000.00
5105 - Payroll Service Fees	2,300.00	2,259.56	2,326.87	1,273.76	2,400.00
5106 - Payroll Taxes					
5107 - Salaries	510,000.00	501,592.31	501,987.47	318,588.96	556,000.00
5108 - Board Salaries	7,500.00	10,050.00	11,250.00	3,750.00	7,500.00
	80,000.00	60,000.00	75,000.00		50,000.00
Total 5100 - PAYROLL EXPENSES	709,800.00		696,480.24	384,316.03	728,900.00
5110 - PAYROLL TAXES					
5111 - FICA	30,000.00	33,936.88	35,797.98	19,752.51	38,000.00
5113 - Medicare	7,000.00	8,143.20	8,372.06	4,619.58	8,500.00
5114 - Modified Business Tax	2,500.00	1,772.92	2,260.58	729.00	2,500.00
5115 - SDI	700.00	905.33			700.00
5116 - SUINV	0.00	1,096.26	457.58		0.00
5117 - SUI	1,200.00		280.64	174.30	1,200.00
Total 5110 - PAYROLL TAXES					
	28,000.00	0.00	0.00		17,500.00
	671,200.00	663,787.88	668,649.08	409,591.42	729,800.00

6001 · OPERATING EXPENSES					
Non State Owned Office Bldg.					
6002 · Rent	97,850.00	90,009.73	93,728.59	51,610.76	101,000.00
6002.1 · Sub Lease					
6003 · Leasehold Improvements					
6003.1 · Deferred Exp-RNO/LAS Office					
6003 · Leasehold Improvements - Other					
Total 6003 · Leasehold Improvements	0.00				0.00
6004 · Utilities	1,400.00	1,284.75	1,725.25	600.38	1,400.00
6005 · Telephone/Internet	6,500.00	9,405.73	7,148.43	4,751.53	6,500.00
6005.5 · Janitorial	0.00		0.00	0.00	0.00
Total Non State Owned Office Bldg.	105,750.00	100,700.21	102,602.27	56,962.67	108,900.00
6006 · Office Supplies	12,000.00	10,837.69	10,477.72	3,603.02	6,500.00
6007 · Equipment/Furniture					
6008 · Furniture					
6008.1 · Deferred Exp-Furniture					
6008 · Furniture - Other					
Total 6008 · Furniture					
6009 · Maintenance					
6010 · Equipment Purchases	3,800.00	8,022.85	4,164.99	95.84	3,000.00
6011 · Equipment Leasing	3,000.00	3,085.65	3,249.08	1,961.34	3,000.00
6012 · Software					
6012.1 · Deferred Exp-Softward Upgrades				3,980.00	0.00
6012.5 · Software	7,000.00	8,650.63	9,817.71	5,020.12	30,000.00
Total 6012 · Software	7,000.00	8,650.63	9,817.71	5,020.12	30,000.00
6015 · Website/Database Hosting	21,000.00	20,200.00	17,222.01	9,450.00	7,000.00
Total 6007 · Equipment/Furniture					
6101 · Insurance					
6102 Workers Comp	1,800.00	1,297.81	5,348.86	7,597.46	7,500.00
6103 · General Liability	1,800.00	1,629.74	1,630.02	1,918.00	1,800.00
6104 · Office Contents	1,000.00	2,295.04	1,473.90		1,000.00
Total 6101 · Insurance	4,600.00	5,222.59	8,452.78	9,515.46	10,300.00
6201 · Postage			200.00		
6202 · Postage	14,000.00	12,858.53	2,306.00	1,177.48	14,000.00
6202.5 E-Postage	4,000.00	4,160.00	14,737.08	7,585.55	3,000.00
6205 · Postage Renewals	3,000.00	2,989.00	0.00	1,800.00	3,300.00
Total 6201 · Postage	21,000.00	20,007.53	17,243.08	10,563.03	20,300.00
6301 · Board Meetings					
6302 · Travel - Out of State	1,000.00	611.61	572.62	2,318.88	0.00
6303 · Travel - In State	24,000.00	23,057.38	31,025.79	20,893.85	24,000.00
6304 · Board Meeting Expenses	2,000.00	1,714.95	2,896.50	6,448.70	3,000.00
Total 6301 · Board Meetings	27,000.00	24,772.33	34,494.91	29,661.43	27,000.00
6401 · Printing					
6402 · Printing General	4,000.00	5,931.62	1,521.75	8,766.83	4,000.00
6404 · Printing NRS/NAC, Blue Book	2,500.00	2,255.29	0.00		2,500.00
Total 6401 · Printing	6,500.00	8,186.91	1,521.75	8,766.83	6,500.00
6501 · Professional Services					
6502 · Legal					
6503 · Board Meetings	45,000.00	57,775.77	59,826.85	43,327.26	50,000.00
6504 · Regulations/Legislation					
6504.1 · Deferred Exp-Regs/Legislation	20,000.00	0.00	0.00	487.50	500.00
6504.5 · Regulations/Legislation	5,000.00	1,722.50	8,157.50	5,980.00	15,000.00
Total 6504 · Regulations/Legislation					
6505 · Discipline	22,500.00	18,253.19	42,719.92	12,597.35	18,500.00
Total 6502 · Legal	72,500.00	77,751.46	110,704.27	61,904.61	83,500.00
6508 · Accounting Fees	55,000.00	25,913.75	51,380.00	48,475.00	55,000.00
6509 · Government Liaison Services					
6509.1 · Def Exp-Government Liaison Services	4,000.00	6,000.00	10,000.00		0.00
6509.5 · Government Liaison Services	20,000.00	18,000.00	14,159.04	14,010.75	40,000.00
Total 6509 · Government Liaison Services	20,000.00	18,000.00	14,159.04	14,010.75	40,000.00

6510 · Database/Website Design					
6510.1 · Deferred Exp-Website Update	5,000.00	1,431.66	0.00	0.00	5,000.00
6510.2 · Deferred Exp-Database Update	100,000.00	36,240.00	28,390.00	31,155.00	35,000.00
6510.5 · Database/Website Design	2,000.00	1,056.70	306.70	1,980.00	1,500.00
Total 6510 · Database/Website Design	2,000.00	1,056.70	306.70	1,980.00	1,500.00
6511 · Public Outreach (Communications)	17,500.00	16,778.06	21,913.56	5,625.00	17,000.00
6514 · Contract Labor					
6514.1 · Def Exp-Contract Labor	160,000.00	7,952.04	196,647.21	73,722.37	81,000.00
6514.5 · Contract Labor	5,000.00	2,332.50	34,796.69	27,737.64	17,000.00
Total 6514 · Contract Labor					
6515 · IT Support	15,000.00	21,726.41	15,665.00	11,891.20	15,000.00
Total 6501 · Professional Services					
6550 · Professional Service Fees					
6601 · Program Services					
6604 · NCEES					
6605 · Dues	6,500.00	6,500.00	6,500.00	7,500.00	7,500.00
6606 · Registration	2,000.00	2,190.00	7,395.00	0.00	2,000.00
6607 · Travel	15,000.00	13,309.45	23,743.01	13,101.62	15,000.00
Total 6604 · NCEES	24,000.00	21,999.45	37,638.01	20,601.62	24,500.00
6608 · Stamp Purchases					
6609 · Investigations					
6610 · State Specific Exam	0.00	0.00	0.00	0.00	0.00
6615 · Bank Fees	0.00	271.75	1,045.47	90.00	0.00
6616 · Merchant Services Fees	70,000.00	59,693.62	107,116.65	94,869.10	90,000.00
6630 · LAS/RNO Office Support	5,500.00	5,629.07	8,883.10	9,796.15	9,500.00
6640 · Workshops					
6640.1 · Deferred Exp-Digital Signature	12,000.00	0.00	0.00	0.00	0.00
6640.5 · Workshops		333.02			
Total 6601 · Program Services					
6700 · Other					
6701 · PDH Event Expense					
6701.1 · Deferred Exp-PDH Event					
Total 6701 · PDH Event Expense					
6702 · Discipline Pd to NV Gen Fund		10,949.50		4,450.00	
6704 · State Administrative Fees					
6705 · Attorney General	1,000.00	628.16	1,319.13		1,000.00
6706 · Benefit Services Fund					
6709 · Email - EITS	3,000.00	1,911.25	3,266.50	2,588.24	2,800.00
6710 · Leg. Counsel Bureau	1,000.00	1,000.00	850.00		850.00
6704 · State Administrative Fees - Other					
Total 6704 · State Administrative Fees	5,000.00	3,539.41	5,435.63	7,038.24	4,650.00
6720 · Miscellaneous					
Total 6700 · Other					
6801 · Training & Conferences					
6802 · Travel - Out of State	8,000.00	3,225.59	6,200.59	413.40	1,000.00
6803 · Travel - In State	4,500.00	0.00	2,745.84	5,519.57	4,500.00
6804 · Registration	2,500.00	7,177.52	3,023.32	736.70	1,500.00
Total 6801 · Training & Conferences	15,000.00	10,403.11	11,969.75	6,669.67	7,000.00
6900 · Other Expenses			172.10		
Total 6001 · OPERATING EXPENSES	518,150.00	477,708.33	630,432.27	446,288.72	587,150.00
(payroll + payroll taxes)	671,200.00	663,787.88	668,649.08	409,591.42	729,800.00
Total Expense	1,189,350.00	1,141,496.21	1,299,081.35	855,880.14	1,316,950.00
Net Ordinary Income					
Income	1,189,400.00	1,205,585.21	1,204,178.72	819,715.69	1,316,250.00
	50.00	64,089.00	-94,902.63	-36,164.45	-700.00

	301,000.00	51,623.70	235,037.21	109,344.87	121,500.00
	Deferred Expense				Deferred Expense
	108,000.00	60,000.00	75,000.00	0.00	67,500.00
	Deferred Payroll				Deferred Payroll
Total Deferred:	-408,950.00	-47,534.70	-404,939.84	-145,509.32	-189,700.00

13. b. Legislative Committee

13.c. Professional Association Liaison Committee

13.d. Public Outreach Committee

13.e. PLS Subcommittee

13.f. Governmental Outreach Committee

14. Revisions to NRS 327

CHAPTER 327 - NEVADA COORDINATE SYSTEM; GEOGRAPHIC NAMES

NEVADA COORDINATE SYSTEM

NRS 327.005 Sole coordinate system in Nevada for describing land.

NRS 327.010 Designation of systems; division of State into ~~{three}~~ zones.

[NRS 327.020 Names of zones.]

NRS 327.030 *Unit of Measurements.* ~~{Plane coordinates.}~~

NRS 327.040 Reference may be made to either zone when tract extends into another zone.

[NRS 327.050 Definitions of Nevada Coordinate zones systems.]

NRS 327.060 Limitations on use of coordinates in documents to be recorded.

NRS 327.070 Limitation on use of terms “Nevada Coordinate System of 1927” and “Nevada Coordinate System of 1983.”

NRS 327.090 Purchaser or mortgagee need not rely on description depending exclusively on coordinate system.

GEOGRAPHIC NAMES

NRS 327.100 “Board” defined.

NRS 327.110 Nevada State Board on Geographic Names: Creation; purpose.

NRS 327.120 Nevada State Board on Geographic Names: Composition.

NRS 327.130 Nevada State Board on Geographic Names: Officers; rules; quorum; meetings; compensation.

NRS 327.140 Nevada State Board on Geographic Names: Powers and duties.

NRS 327.150 Changes in or additions of geographic names: Submission of proposal; preliminary consideration; final action and notice.

NEVADA COORDINATE SYSTEM

NRS 327.005 Sole coordinate system in Nevada for describing land.

1. On and after publication of *the most recent system of plane coordinates defined for the State of Nevada which has been established by the National Geodetic Survey, or federal agency which succeeds it, and known as the State Plane Coordinate System, for defining and stating the positions or locations of points on the surface of the earth within the State of* ~~[North American Datum of 1983 for]~~ Nevada, *and shall be known as the Nevada Plane Coordinate System. Such systems may be updated from time to time to account for tectonic motion, subsidence, uplift, and improvements in measurement technology. [by the National Geodetic Survey of the National Oceanic and Atmospheric Administration, or the federal agency which succeeds it, the Nevada Coordinate System of 1983, which is a transverse Mercator projection of the North American Datum of 1983, is the sole coordinate system in Nevada for describing land.]*

2. On and after that date of publication, ~~[the Nevada Coordinate System of 1927]~~ *previous Nevada Coordinates Systems* may be used only for purposes of reference.

(Added to NRS by 1983, 1338; A 1987, 392)

NRS 327.010 Designation of systems; division of State into ~~{three}~~ zones.

The number, boundaries, names, and technical parameters of zones within the Nevada Plane Coordinate System shall be those defined and published by the National Geodetic Survey or its successor agency.

NRS 327.020 Names of zones.

- *The Nevada Coordinates Systems Zone names shall be defined by National Geodetic Survey or federal agency that succeeds it.*
- *Previous Nevada Coordinates Systems Zone names used only for purposes of reference are:*

1. As established for use in the East Zone, the Nevada Coordinate System of 1927 or the Nevada Coordinate System of 1983 must be named, and in any land description in which it is used it must be designated, the “Nevada Coordinate System of 1927, East Zone” or the “Nevada Coordinate System of 1983, East Zone.”

2. As established for use in the Central Zone, the Nevada Coordinate System of 1927, or the Nevada Coordinate System of 1983 must be named, and in any land description in which it is used it must be designated, the “Nevada Coordinate System of 1927, Central Zone” or the “Nevada Coordinate System of 1983, Central Zone.”

3. As established for use in the West Zone, the Nevada Coordinate System of 1927 or the Nevada Coordinate System of 1983 must be named, and in any land description in which it is used it must be designated, the “Nevada Coordinate System of 1927, West Zone” or the “Nevada Coordinate System of 1983, West Zone.”

[2:84:1945; 1943 NCL § 5589.01] — (NRS A 1983, 1339)]

NRS 327.030 *Unit of Measurements.* ~~{Plane coordinates.}~~

1. *The unit of measurements for the State of Nevada shall be the International Survey Foot or Meter as defined by the National Geodetic Survey, or federal agency that succeeds it.*

~~[The plane coordinates of a point on the earth’s surface, to be used in expressing the location of the point in the appropriate zone, must consist of two distances, expressed in:~~

2. The unit of measurement for previous Nevada Coordinates Systems used only for purposes of reference are:

- (a) Feet and decimals of a foot under the Nevada Coordinate System of 1927; or
- (b) Meters and decimals of a meter under the Nevada Coordinate System of 1983].

- *For reference to the Nevada Coordinate Systems of 1927 and 1983, meters are converted to the US Survey Foot "Foot"*

~~One of these distances, to be known as the "x coordinate," must give the position in an east and west direction; the other, to be known as the "y coordinate," must give the position in a north and south direction. [2. These coordinates must be made to conform to the values of the plane rectangular coordinates for the monumented stations of the North American Horizontal Geodetic Control Network, as published by the National Geodetic Survey of the National Oceanic and Atmospheric Administration or the federal agency which succeeds it, and whose plane coordinates have been computed on the systems defined in this chapter. Any such station may be used for connecting a survey to either Nevada coordinate system.]~~

2. As used in this section:

- (a) "Foot" means the United States Survey Foot.
- (b) "Meter" means exactly 39.37 inches.
- (c) *"International Survey Foot" means exactly 0.3048 meters*
[3:84:1945; 1943 NCL § 5589.02] — (NRS A 1983, 1340; 1987, 392)]

NRS 327.040 Reference may be made to either any zone when tract extends into another zone. When any tract of land to be defined by a single description extends from one into another of the above coordinate zones, the positions of all points on its boundaries may be referred to either of such zones, the zone which is used being specifically named in the description.

[4:84:1945; 1943 NCL § 5589.03]

[NRS 327.050 Definitions of Nevada Coordinate zones.

1. The definitions for the Nevada Coordinate System zones are defined by the National Geodetic Survey, or federal agency which succeeds it.

2. For reference purposes only, the previous Nevada Coordinate Systems of 1927 and 1983 are defined as:

- (a) *Clark, Elko, Eureka, Lincoln and White Pine counties constitute the East Zone.*
- (b) *Lander and Nye counties constitute the Central Zone.*
- (c) *Carson City and Churchill, Douglas, Esmeralda, Humboldt, Lyon, Mineral, Pershing, Storey and Washoe counties constitute the West Zone.*

2.3. For reference, the Nevada Coordinate System of 1927, the following definition by the United States Coast and Geodetic Survey is adopted:

The Nevada Coordinate System of 1927, East Zone, is a transverse Mercator projection of the Clarke Spheroid of 1866, having a central meridian 115°35' west of Greenwich, on which meridian the scale is set at one part in 10,000 too small. The origin of coordinates is at the intersection of the meridian 115°35' west of Greenwich and the parallel 34°45' north latitude. This origin is given the coordinates: x = 500,000 feet and y = 0 feet.

The Nevada Coordinate System of 1927, Central Zone, is a transverse Mercator projection of the Clarke Spheroid of 1866, having a central meridian 116°40' west of Greenwich, on which meridian the scale is set at one part in 10,000 too small. The origin of coordinates is at the intersection of the meridian 116°40' west of Greenwich and the parallel 34°45' north latitude. This origin is given the coordinates: x = 500,000 feet and y = 0 feet.

The Nevada Coordinate System of 1927, West Zone, is a transverse Mercator projection of the Clarke Spheroid of 1866, having a central meridian 118°35' west of Greenwich, on which meridian the scale is set at one part in 10,000 too small. The origin of coordinates is at the intersection of the meridian 118°35' west of Greenwich and the parallel 34°45' north latitude. This origin is given the coordinates: x = 500,000 feet and y = 0 feet.

3.4. For reference, the Nevada Coordinate System of 1983, the following definition by the National Geodetic Survey of the National Oceanic and Atmospheric Administration is

adopted:

(a)The Nevada Coordinate System of 1983, East Zone, is a transverse Mercator projection of the North American Datum of 1983, having a central meridian 115°35' west of Greenwich, on which meridian the scale is set at one part in 10,000 too small. The origin of coordinates is at the intersection of the meridian 115°35' west of Greenwich and the parallel 34°45' north latitude. This origin is given the coordinates: x = 200,000 meters and y = 8,000,000 meters. (b)The Nevada Coordinate System of 1983, Central Zone, is a transverse Mercator projection of the North American Datum of 1983, having a central meridian 116°40' west of Greenwich, on which meridian the scale is set at one part in 10,000 too small. The origin of coordinates is at the intersection of the meridian 116°40' west of Greenwich and the parallel 34°45' north latitude. This origin is given the coordinates: x = 500,000 meters and y = 6,000,000 meters. (c)The Nevada Coordinate System of 1983, West Zone, is a transverse Mercator projection of the North American Datum of 1983, having a central meridian 118°35' west of Greenwich, on which meridian the scale is set at one part in 10,000 too small. The origin of coordinates is at the intersection of the meridian 118°35' west of Greenwich and the parallel 34°45' north latitude. This origin is given the coordinates: x = 800,000 meters and y = 4,000,000 meters. [5:84:1945; 1943 NCL § 5589.04] — (NRS A 1983, 1340)

NRS 327.060 Limitations on use of coordinates in documents to be recorded. No coordinate based on ~~either~~ *any* of the Nevada coordinate systems which purports to define the position of a point on a land boundary may be presented to be recorded in any public land records or deed records unless the document to be recorded contains:

1. A description of the monumented station or stations from which the coordinates being recorded have been determined.
2. Annotations which accompany the values for state plane coordinates and clearly describe the *datum, unit of measurement*, method and accuracy of the *determinations including the applicable coordinate zone and any scale factor or distortion information necessary to properly interpret the coordinates at the location described*.

[6:84:1945; 1943 NCL § 5589.05] — (NRS A 1983, 1341; 1987, 393)

NRS 327.070 Limitation on use of terms “Nevada Coordinate System of 1927” and “Nevada Coordinate System of 1983.” The use of the term “Nevada Coordinate System of 1927” or “Nevada Coordinate System of 1983” on any map, report of survey, or other document is limited to use for coordinates based on the system as defined in this chapter.

[7:84:1945; 1943 NCL § 5589.06] — (NRS A 1983, 1342)

NRS 327.090 Purchaser or mortgagee need not rely on description depending exclusively on coordinate system. Nothing contained in this chapter requires any purchaser or mortgagee of real property to rely on a land description, any part of which depends exclusively upon either of the systems established by this chapter.

[9:84:1945; 1943 NCL § 5589.08] — (NRS A 1983, 1342)

GEOGRAPHIC NAMES

NRS 327.100 “Board” defined. As used in NRS 327.110 to 327.150, inclusive, unless the context otherwise requires, the term “Board” means the Nevada State Board on Geographic Names.

(Added to NRS by 1985, 588)

NRS 327.110 Nevada State Board on Geographic Names: Creation; purpose. The Nevada State Board on Geographic Names is hereby created to coordinate and approve geographic names within the State for official recommendation to the United States Board on Geographic Names.

(Added to NRS by 1985, 588)

NRS 327.120 Nevada State Board on Geographic Names: Composition. The Board consists of:

1. One representative of each of the following agencies or organizations:
 - (a) Bureau of Mines and Geology of the State of Nevada.
 - (b) Faculty of the University of Nevada, Reno.
 - (c) Faculty of the University of Nevada, Las Vegas.
 - (d) Division of State Library, Archives and Public Records of the Department of Administration.
 - (e) Department of Transportation of the State.
 - (f) State Department of Conservation and Natural Resources.
 - (g) Nevada Historical Society.
 - (h) United States Bureau of Land Management.
 - (i) United States Forest Service.
 - (j) United States National Park Service.

(k) Inter-Tribal Council of Nevada, Inc., or its successor organization.

□ Each agency or organization shall designate a representative and one alternative representative for this purpose.

2. An Executive Secretary who is a nonvoting member of the Board. The State Resident Cartographer shall serve in this position. If there is not such a cartographer, the voting members of the Board shall select the Executive Secretary.

(Added to NRS by 1985, 588; A 1993, 507; 2017, 432)

NRS 327.130 Nevada State Board on Geographic Names: Officers; rules; quorum; meetings; compensation.

1. The Board shall designate from among its members a Chair and a Vice Chair and shall adopt rules for its own management.

2. A majority of the voting members of the Board constitutes a quorum for the transaction of business.

3. The Board shall meet at such times and places as are specified by the Chair, but may not hold more than four meetings in any 1 year.

4. Members of the Board shall serve without compensation, travel expenses or subsistence allowances except as they may be provided by the members' respective agencies and organizations.

(Added to NRS by 1985, 588)

NRS 327.140 Nevada State Board on Geographic Names: Powers and duties.

1. The Board shall:

(a) Receive and evaluate all proposals for changes in or additions to names of geographic features and places in the State to determine the most appropriate and acceptable names for use in maps and official documents of all levels of government.

(b) Make official recommendations on behalf of the State with respect to each proposal.

(c) Assist and cooperate with the United States Board on Geographic Names in matters relating to names of geographic features and places in Nevada.

(d) Maintain a list of advisers who have special knowledge of or expertise in Nevada history, geography or culture and consult with those advisers on a regular basis in the course of its work.

2. The Board may:

(a) Adopt regulations to assist in carrying out the functions and duties assigned to it by law.

(b) Initiate proposals for changes in or additions to geographic names in the State. Any proposal initiated by the Board must be evaluated in accordance with the same procedures prescribed for the consideration of other proposals.

(Added to NRS by 1985, 588)

NRS 327.150 Changes in or additions of geographic names: Submission of proposal; preliminary consideration; final action and notice.

1. Any person, group or agency of federal, state or local government may propose a change in or the addition of any geographic name within the State by submitting it to the Board for evaluation and recommendation.

2. Upon receipt of any such proposal, together with sufficient supporting information, the Board shall:

(a) Place the proposal on the agenda for preliminary consideration at its next meeting.

(b) Give appropriate notice to persons and groups who are affected by the proposal or might have an interest in it.

(c) Provide opportunities for public comment.

(d) Conduct such research and field investigations as it deems necessary.

3. The Board may not take final action on any proposal until it has been given preliminary consideration at one or more previous meetings.

4. Whenever the Board takes final action on a proposal, it shall notify the person, group or agency who submitted the proposal and shall transmit the official recommendation to the United States Board on Geographic Names.

(Added to NRS by 1985, 589)

15. Revisions to the 2025 Strategic Plan Executive Summary



STRATEGIC PLAN UPDATE
Executive Summary
DRAFT November 5, 2025

DRAFT

DRAFT Fall 2025

EXECUTIVE SUMMARY

DRAFT STRATEGIC PLAN UPDATE ~ NOVEMBER 5, 2025

The Nevada Board of Professional Engineers and Land Surveyors developed a comprehensive Strategic Plan in March 2017. The plan was created using a 10-30 year planning horizon based on the Board's core ideology consisting of a core purpose and core values. The Strategic Plan is attached as **Appendix A**.

Because the Strategic Plan had been developed in 2017, the board felt it should periodically reconsider the outcomes from its contents. The Board met September 11, 2020, to comprehensively review its goals and actions from the Strategic Plan and consider any needed updates.

At the September 11, 2020, Strategic Planning Session, the Board reaffirmed that the goals developed based on the 10-30 year planning horizon were still relevant. The session then focused on review and refresh of strategies. It was agreed that tactics and action items would be driven by the strategies and developed by the Board and its committees at future meetings.

The Board met again November 5, 2025, to reconsider the relevance of the goals and strategies associated with the Strategic Plan. The board reaffirmed that the goals were still current and focused on reviewing and refreshing their strategies. The updated strategies will be used to develop and drive tactics and action items of the Board, its committees, and staff.

This document incorporates an additional core value, reaffirms the Board's goals derived from the Strategic Plan, and documents the board's strategies for the next 2-3 year planning horizon. New or revised items are shown in **bold**.

EXECUTIVE SUMMARY

PURPOSE ~ MISSION ~ CORE VALUES

Purpose

The purpose of the board, as stated in Nevada Revised Statute 625.005, is to safeguard life, health and property and to promote the public welfare by providing for the licensure of qualified and competent professional engineers and professional land surveyors.

Mission

Founded on the board's purpose, the board's mission is to uphold the value of professional engineering and land surveying licensure by assessing minimum competency for initial entry into the profession, and to ensure ongoing standard of professionalism by facilitating compliance with laws, regulations, and code of practice; and to provide understanding and progression in licensure by openly engaging with all stakeholders.

Core Values

The board's core values are:

Integrity

Transparency

Continuous Improvement

The board's core values were identified by board members and staff during strategic planning sessions as guiding principles for the performance of their duties. At the board's November 5, 2025 meeting, the board agreed to add *Continuous Improvement* as a core value, rather than embedding it as a strategy within a specific goal. The board affirmed that continuous improvement is a fundamental guiding principle in the execution of its strategic goals. A commitment was reaffirmed to uphold these values by providing governance that is ethical, honest, and consistent, and by operating with accessibility and openness, free from unnecessary obstruction.

3-5 YEAR PLANNING HORIZON

~ OUTCOME-FOCUSED GOALS AND STRATEGIES ~

The following thinking represents the organization's goals for the next 3-5 years. These **Goals** are outcome-oriented statements that represent what will constitute the Nevada board's future success. The achievement of each goal will move the organization towards the realization of its Envisioned Future. The **Strategies** reflect the broad range of direction that will be undertaken to change the existing conditions in order to achieve the goal – they drive **Tactics** -- the type of work and initiatives that will need to be undertaken to achieve the goal.

Strategies considered at the November 5, 2025 strategic planning session discussion were presented for board consideration January 15, 2026. New or updated strategies are in bold text.

Outcome-Focused Goals

1. **Communications Outreach**

The general public, prospective licensees and other key stakeholders have a greater understanding that engineering and surveying licensure are essential to safeguarding public health, safety and welfare.

2. **Licensure**

The demonstrated value of licensure results in continued growth in the number, quality and diversity of licensed engineers and surveyors practicing in Nevada.

3. **Regulation**

Nevada regulations are compatible with and reflective of the current state of practice in engineering and surveying and are in alignment with Nevada's economic development strategy.

4. **Operational Excellence**

The Nevada Board's efficient and effective use of technology and streamlined systems, processes and procedures result in high levels of satisfaction by all stakeholders.

Goal 1: **Communications Outreach**

The general public, prospective licensees and other key stakeholders have a greater understanding that engineering and surveying licensure are essential to safeguarding public health, safety and welfare.

Strategies

1. **Develop and implement a comprehensive communications plan**
 - **Determine and define social media strategy with target markets and establish performance metrics**
 - Increase legislators' understanding of criticality of services provided by the board and professional engineers/professional land surveyors
 - develop tactics in consultation with govt affairs liaison
 - Increase visibility of the Board
 - participation in relevant industry and association events
 - social media content on pathway to license
2. **Evolve communications capability and expand public awareness**
3. Evolve technical capability and expand social media presence
 - review performance by platform/content and make recommendations for on-going use
4. Sustain appropriate allocation of resources for effective content development
 - budgeting for range of communication options

Goal 2: Licensure

The demonstrated value of licensure results in continued growth in the number, quality and diversity of licensed engineers and surveyors practicing in Nevada

Strategies

1. Increase/stress the importance of licensure to university level students
 - communicate to freshman and capstone classes (presentation)
 - PAL committee active in this area
 - relevant social media content

2. Increase the public's knowledge about the value of licensure
 - expand content on the public section of website
3. Increase kids' knowledge of what engineers/land surveyors do
 - coordinate with PAL participant activities
 - **develop mission and vision statements for PAL**
 - **schedule regular PAL committee meetings**
 - point of contact for speakers on the professions (PE PLS)
 - focus on under-graduate level
4. Continuously work to improve the process and portability of licenses
 - ongoing evaluation of regulations and efficiencies of the licensing process
5. **Support alternative higher education pathways** to meet land surveyor education requirements
6. Maintain relevancy of engineering licensure, specifically as it relates to emerging fields of engineering
 - engage nationally/internationally to increase awareness of industry trends

Goal 3: Regulation

Nevada regulations are compatible with and reflective of the current state of practice in engineering and surveying and are in alignment with Nevada's economic development strategy.

Strategies

1. Maintain currency and applicability of statutes and regulations
 - program of continuous review and evaluation
2. Increase relationships with key stakeholders
 - constant and relevant two-way communication
3. Increase awareness of new/emerging technologies in relation to statutes and regulations
 - participate in relevant national/international working groups

Goal 4: Operational Excellence

The Nevada Board's efficient and effective use of **data**, technology, and streamlined systems, processes and procedures result in high levels of satisfaction by all stakeholders.

Strategies

1. Maintain effective **staff capability and** capacity
 - continuous review of staff functions
 - cross train in core areas
 - **develop a succession plan**
2. **Document “good things” done by the board**
3. Maintain business plan for resource allocation to support board goals
 - adjust staffing as needed to execute business plan
4. Maintain effective office and administrative processes
 - evaluate against available technology
 - monitor quality of admin communications
5. Increase transparency and communication with stakeholders of board functions, operations, and initiatives
 - **Continue publishing** annual report of board activities for the public record (**publish as an informational item in board meeting materials**)

Appendix A
Approved Strategic Plan

DRAFT

Approved 2017-2021 Strategic Plan

Nevada Board of Professional Engineers and Land Surveyors

Developed in Las Vegas
March 29 & 30, 2017

Prepared by
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Background

This draft of the Nevada Board of Professional Engineers and Land Surveyors' Strategic Plan is based upon 1) the input from a survey of the Board conducted in January 2017 and 2) the results of a random sample survey of Licensees conducted in February 2017 plus 3) the March 2017 Strategic Planning Retreat held in Las Vegas, NV.

Participants in the retreat received the results of the 2 pre-session data collections to inform their thinking.

This Draft Plan encompasses the Key Plan elements which emerged from the discussion:

- Mission/Core Purpose
- Core Values
- Vivid Description of the Future
- Strategic Issues of Concern
- Outcome Focused Goals
- Objectives to achieve the goals
- Strategies for priority areas of focus.

While strategies to accomplish the goals and objectives were developed at the retreat, strategies are not considered a part of the plan being approved, because they can change so frequently throughout the planning cycle as the environment shifts.

10-30 YEAR PLANNING HORIZON

~ CORE IDEOLOGY & ENVISIONED FUTURE ~

Core ideology describes an organization's consistent identity that transcends all changes related to its relevant environment. Core ideology consists of two parts: **core purpose** – the organization's mission or reason for being – and **core values** – essential and enduring principles that guide an organization.

CORE PURPOSE OF THE NEVADA BOARD REMAINS UNCHANGED

To safeguard life, health, and property and to promote the public welfare by providing for the licensure of qualified and competent professional engineers and professional land surveyors.

DRAFT CORE VALUES OF THE NEVADA BOARD

1. *Integrity*¹
2. *Transparency*

Vision is a clear and compelling catalyst that serves as a focal point for effort. The **Vivid Description of the Future** describes what would constitute success 10-20 years from now.

What would we like to see happen?

- Updated regulations and statutes
- Renewed interest of young people
- No exemptions
- More public awareness
- Able to better educate future engineers/land surveyors on importance of licensure
- Raise the bar of the profession
- Catch up with technology
- Streamline licensure
- Provide alternative path for surveyors while maintaining 4 year degree requirement
- Engaged with younger people via social media
- More involvement in STEM

¹ The group determined that integrity encompasses trustworthy, fair, ethical, respected, consistency, compassion, attentive/thorough. At a future date, the group may choose to write statements which more fully explain the intent behind these two core values.

What will the Nevada Board look like?

- Diverse
- Engaged
- Committed
- Approachable
- More visible to public
- Exemplary board to be respected

What will the Board feel like to licensees?

- Licensure process easy to go through
- Information attainable through smart devices
- Readily available at fingertips
- They see the Board as a resource
- Fair and honest professionals
- Solve problems in timely fashion
- Progressive
- Here to help vs. bring hammer down
- Available and personable

What will the Board feel like to other stakeholders?

- Understood
- Recognizable
- Have value to them
- Public feels safe/understands what we do

What will it have achieved?

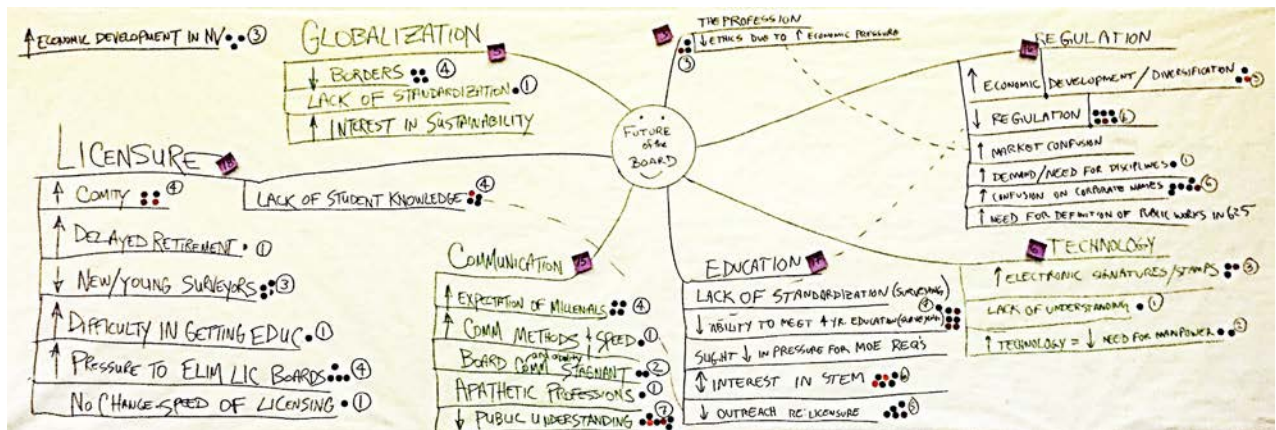
- Board is efficient and effective in licensing applicants in a timely manner
- Increase in rate (number) of licensees
- Allied with economic development of Nevada
- Public, Board and Legislators have a clear understanding of what surveyors and PEs do
- Overall process is simplified and user friendly as possible
- Known
- Revised NRS/NACS laws to address prior items
- More fluid/efficient/faster in comity

5-10 YEAR PLANNING HORIZON

~ BUILDING FORESIGHT: ENVIRONMENTAL FACTORS ~

Assumptions about the relevant future environment will help the Nevada Board purposefully update its strategic plan on an annual basis. Goals are a necessary foundation for successful strategic planning. Goals are based, in part, on anticipation of the possible future. The Board's projected future environment is described in this section. An annual review of these assumptions will help the organization ensure the ongoing relevance of its strategy. When conditions change, strategy will need to be adjusted. The assumptions, which appear here, are those deemed to be most critical to the Nevada Board within the next 3-5 years.

Working together the group created a visual 'mind map' of the emerging trends and issues that might have an impact of the Nevada Board and those it serves over the life of the plan. The picture of the mind map appears below.



These are the key areas identified along with frequency counts of the relative importance of the identified trends. Contradictory trends were permitted. The numbers indicate the number of votes each item received. N= 15

- 18 Licensure
- 17 Education
- 16 Regulation
- 15 Communications
- 6 Technology
- 5 Globalization
- 3 The Profession
- 3 Economic Development

5-10 YEAR PLANNING HORIZON

~ MEGA ISSUES ~

Mega-issues are issues of strategic importance that represent challenges the organization will need to face in defining the ultimate direction of its long-range plan. These issues represent potential impediments to achievement of the envisioned future and form a basis for dialogue about the **choices facing the organization**. These questions can also serve as an ongoing menu of strategic issues that the Board and Senior Staff can use--in a knowledge-based approach to gathering insights relative to the Nevada Board's strategic position and directional choices--to create regular opportunities for strategic dialogue about the issues facing the organization and its member boards. These are not presented in any prioritized order.

State Laws and Regulations

1. How can we get the regulations and ordinances to work for the licensees?
2. To what extent do we want to regulate engineering after defining what engineering is?
3. How does state level regulation fit into continued globalization of profession?
4. How much do we want to work within boundaries of existing state laws vs. create the new boundaries?
5. How can the Board respond to trends of deregulation and elimination of licensing boards and legislation that diminishes the Board's ability to regulate the profession?

How the Board Functions and What it Pays Attention To

6. How can we become more flexible in the way we think and operate?
7. How can we best use technology to help us achieve our goals? How do we attain technical ability to keep up with the times?
8. How do we engage technical customer base and provide ways that they can communicate that would be most comfortable for them?
9. What communications methods should we consider to enhance communications?
10. How can we motivate ourselves as a Board to accomplish what we are trying to do?
11. How do we get more insight on what Millennials want?

Outreach

12. How do we promote engineering profession in young women/younger generation?
13. How do we best engage with our profession?
14. What steps can we take to begin reaching the needs of licensees?
15. How do we engage engineers in the industrial field to gradually eliminate the industrial exemption?
16. How do we interface with students to encourage them to get licensed?

Other

17. How can we enhance mobility, i.e., How do I take the New Mexico exam proctored in our NV office? How do we take other state exams in NV without having to travel? And vice versa?
18. Education – LS—Why is education essential to our fields and is it a hindrance or a helper?
19. How do we encourage STEM learning and promote the profession and educate new generation of professionals?

3-5 YEAR PLANNING HORIZON

~ OUTCOME-FOCUSED GOALS AND OBJECTIVES ~

The following thinking represents the organization's goals for the next 3-5 years. These **Goals** are outcome-oriented statements that represent what will constitute the Nevada Board's future success. The achievement of each goal will move the organization towards the realization of its Envisioned Future. The **Objectives** reflect the broad range of direction that will be undertaken to change the existing conditions in order to achieve the goal – they drive **Strategies** -- the type of work and initiatives that will need to be undertaken to achieve the goal.

4 Outcome-Focused Goals

Outreach

The general public, prospective licensees and other key stakeholders have a greater understanding that engineering and surveying licensure are essential to safeguarding public health, safety and welfare.

Licensure

The demonstrated value of licensure results in continued growth in the number, quality and diversity of licensed engineers and surveyors practicing in Nevada.

Regulation

Nevada regulations are compatible with and reflective of the current state of practice in engineering and surveying and are in alignment with Nevada's economic development strategy.

Operational Excellence

The Nevada Board's efficient and effective use of technology and streamlined systems, processes and procedures result in high levels of satisfaction by all stakeholders.

Goals and Objectives

Objectives flagged in bold face and highlighted in yellow are areas identified as priorities for the first 18-24 months of the plan. Objectives appear below the goal in descending order of priority. Detailed strategies for accomplishing them appear starting on page 15.

Goal 1 Outreach

The general public, prospective licensees and other key stakeholders have a greater understanding that engineering and surveying licensure are essential to safeguarding public health, safety and welfare.

Objectives

- 1. Increase legislators understanding of criticality of services provide by PE/PLS**
- 2. Increase technical capability and social media presence**
3. Increase visibility of the Board
4. Increase spending on message development
5. Increase modes of delivering messages and frequency of delivering messages

Goal 2 Licensure

The demonstrated value of licensure results in continued growth in the number, quality and diversity of licensed engineers and surveyors practicing in Nevada

Objectives

- 1. Increase/stress the importance of licensure to university level students**
- 2. Increase the public's knowledge about the value of licensure**
3. Increase kids' knowledge of what Engineers/LS do
4. Speed up process of licensure by comity
5. Provide options to meet LS educational requirements

Goal 3 Regulation

Nevada regulations are compatible with and reflective of the current state of practice in engineering and surveying and are in alignment with Nevada's economic development strategy.

Objectives

- 1. Decrease the number of old, out-dated regulations and increase applicability of regulations**
2. Increase relationships with key stakeholders
3. Increase awareness of new/emerging technology

Goal 4 Operational Excellence

The Nevada Board's efficient and effective use of technology and streamlined systems, processes and procedures result in high levels of satisfaction by all stakeholders.

Objectives

- 1. Increase staff capacity**
- 2. Create a business plan/budget to fund new initiatives /board improvements/ updates**
- 3. Update all office and administrative processes**
4. Build a data collection strategy to ensure data needed for effective decision-making

Priority Objectives² with Strategies for First 18-24 months

Goal 1 Outreach

Objective 1 Increase legislators understanding of criticality of services provide by PE/PLS

1. Develop a plan with lobbyists to involve legislature members with Board; i.e., Board meetings, meet and greets, etc.
2. Develop a plan to involve Board lobbyist with legislators on an ongoing basis
3. Create the 'value added' message
4. Leverage BOE/PAL relationships with associations to develop a unified message

Objective 2 Increase social media presence

1. Find and hire the appropriate consultant to support this objective
2. Develop a social media plan with consultant
3. Identify best social media modes/methods
4. Identify audiences
5. Establish social media budget
6. Establish the role of BOE staff in social media
7. Research and use association resources (NALS, NCEES, ASCE, NSPE, etc)

Goal 2 Licensure

Objective 1 Increase public knowledge about licensure

1. Determine targeted audiences
2. Develop and implement a PR campaign (link with Outreach Objective #2)

Objective 2 Increase the importance of licensure to university students

1. Encourage university professors to promote licensure and share process
1. Provide board Ambassadors to work with UNR/UNLV on informing students on licensure – one from North and one from South

Objective 3 Increase kids knowledge of Engineering/Land Surveying

1. Participate in career days
2. Work with professional groups
3. Inform school districts of our willingness to share about Engineering/Land Surveying

Goal 3 Regulation

Objective 1 Decrease outdated regulations and increase applicability of regulations

1. Identify outdated/not applicable regulations
2. Remove obsolete regulations
3. Update/modify/create remaining regulations
4. Adopt new regulations – follow process

² Objectives flagged in yellow are priorities for the first 18-24 months. Other objectives and strategies noted during the retreat are also captured and reported here

Objective 2 Increase relationships with key stakeholders

1. Identify key stakeholders (link to other stakeholder work)
2. Create/develop new relationships
3. Leverage existing relationships
4. Maintain / foster relationships
5. Create process to regularly evaluate effectiveness of current relationships

Objective 3 Increase awareness of new/emerging technologies

1. Identify resources (organizations, boards, industry) that are dealing with some of the same issues for potential partnerships/collaborations
2. Identify/subscribe to new technology publications
3. Create/develop relationships with Nevada Economic Development office
4. Identify how we can have licensees tell us about what's new – newsletter, website?

Goal 4 Operational Excellence

Objective 1 Increase staff capacity

1. Hire full or part time consultants as needed
2. Staff training as needed
3. Conduct a workload assessment
4. Create a plan of action
 - Hire social media consultant (see Outreach goal)
 - Fill compliance position (April 17)
 - Fill part time position in Las Vegas office (in pipeline)
 - Possible need for additional office staff for newsletter publishing on a regular basis (1/4 time?)

Objective 2 Create a business plan/budget to fund new initiatives /board improvements/ updates

1. Prioritize captured action items both in time and money

Objective 3 Update all office and administrative processes

1. Scan/convert paper to PDF and shred paper
2. Old and new
3. QC is in place

Objective 4 Build a data collection strategy to ensure we have data needed for effective decision-making

APPENDIX

The information contained in the Appendix is provided as reference in evaluating the draft plan. Based on the mind map, small groups identified what they believed to be the most important trends and then what the Nevada Board is currently doing to address the trend and what they wish the Board could do. Here are the notes from those discussions

Consolidated table discussions of trends from Mind Map

Doing Now	Wish We Could Do	Regrets
4 Year Degree for Surveyors		
<ul style="list-style-type: none"> Watching from sidelines Enforcing regulations Promoting relationships with GB/UNLV 	<ul style="list-style-type: none"> Allow for experience options (need more options) Revise regs/Alternate Education regs required; Further continue education programs 	<ul style="list-style-type: none"> Wish knew end point when creating original requirement Harder to obtain 4 years
Comity		
<ul style="list-style-type: none"> Streamlined procedures to simplify (internal steps to make easier), Reg. comity agreement 	<ul style="list-style-type: none"> Nice if other states did the same kind of changes Licensure ≤ 30 days Licensure at staff level State specific exam (PLS) proctored 	<ul style="list-style-type: none">
Regulations		
<ul style="list-style-type: none"> We are watching from sidelines, just monitor now 	<ul style="list-style-type: none"> Wish would make revisions when needed 	<ul style="list-style-type: none">
STEM		
<ul style="list-style-type: none"> Not doing anything (2) Karen's Book Speaker on women in STEM 	<ul style="list-style-type: none"> Engage industry more to get word out more collaboratively PAL School district coordinated speakers Community service group coordinator Outreach from Board Younger education Fund education/ 	<ul style="list-style-type: none"> Lack of enthusiasm

	<ul style="list-style-type: none"> programs • Social media 	
Public/Student/Licensee Understanding		
<ul style="list-style-type: none"> • Place for public interface on website update, • PAL (2) • Responding to invites • New website • Staff • Speak to students when invited 	<ul style="list-style-type: none"> • PR on PE/PLS • Regular newsletter • Regular blog on website • Committees to go to UNR/UNLV/GBC to talk about licensure • School district/coor. Speakers • Twitter, Instagram, Snapchat, Facebook • Organized PR • Social media • Ambassador to UNR and UNLV 	<ul style="list-style-type: none"> • Inconsistency • Diluted message • Lack of PAL for about 4 years • Economics
Economic Development		
<ul style="list-style-type: none"> • Conditional Approval 	<ul style="list-style-type: none"> • What are we regulating • What is engineering • Regulations • PE/PLS in each office in NV • Exemptions? • License other new/emerging disciplines 	<ul style="list-style-type: none"> • Invite to table re NV economic initiatives
Corporate Registration		
<ul style="list-style-type: none"> • Enforcing as best possible 	<ul style="list-style-type: none"> • Revise law for better understanding 	<ul style="list-style-type: none"> • Inconsistency
Deregulation		
<ul style="list-style-type: none"> • Legislative Committee • Lobbyist 	<ul style="list-style-type: none"> • Show the value of the board to legislature • Educate public/legislature 	<ul style="list-style-type: none"> • They don't understand

~ CONDITIONS ~

This section includes an assessment of the **conditions** that make each goal important to the Board. Participants were given 2 **critical** votes each (must be addressed in the plan) and 8 **important** votes (addressed if time and resources available). Each critical vote is counted as 2 points in the total. The priority conditions identified are the basis for the the Draft Objectives. This is intended to be a guiding tool, not a prescriptive vote.

Weighting: Critical Condition count 2; Important Conditions count 1

Outreach Goal	Critical	Important	Total
1. Legislators don't understand PE/PLS or what the Board does	10	8	18
2. Limited social media capacity	2	6	8
3. Not enough promotion of STEM	2	5	7
4. Services provided by PE/PLS critical to safeguarding public health and safety		6	6
5. Public doesn't understand PE/PLS		1	1
6. How a network we can connect to on this	2		2
7. Don't have clear message – essential elements		4	4
8. All stakeholders don't see our value		2	2
9. Public assumes someone else keeps them safe – take us for granted		1	1
10. Not enough engineers/LS in the pipeline		1	1
11. Public does understand what Board does			
12. People get information from nontraditional sources			
13. Limited resources to apply here			

Licensure Goal	Critical	Important	Total
1. Value unknown to the public	14	3	17
2. Kids don't now about E/LS as career choices		8	8
3. Lack of licensure knowledge in University systems		7	7
4. Takes too long to license people by comity		7	7
5. For LS, disconnect between regs and educational opportunities to meet requirements		6	6
6. PLS declining	2	4	6
7. Women make up less than 20% of Engineers and less of LS		3	3
8. # of engineers stagnant		1	

9. Hard for LS to get needed office experience		1	1
10. Lack of awareness of breadth of engineering – scope			
11. LS see licensure from different lens – limited desire to leave the field work			
12. Difficult to licensure foreign engineers			
13. Immigration policy			

Regulation Goal	Critical	Important	Total
1. Regulations are antiquated	10	5	15
2. Technology constantly changing work environment		6	6
3. Have lobbyist in place		3	3
4. Regs sometimes preclude economic development		2	2
5. Not looped into NV Economic Development		2	2
6. May need to compromise ethics to align with economic development	2	1	3
7. Have control over our rules, changing statuses more difficult		1	1
8. Board members are volunteers		1	1
9. Process to change regulations is cumbersome and sometimes risky			
10. Increased number of out of state engineers working in NV			
11. Board members have terms and are term limited			

Operational Excellence Goal	Critical	Important	Total
1. Current staff stretched thin	8	4	12
2. All administrative processes need documentation and to be updated		7	7
3. Limited staff expertise in emerging areas	4		4
4. Financially stable with reserves		2	2
5. Updated website		2	2
6. No means of measuring stakeholder satisfaction		1	1
7. Quality and quantity of paper overwhelming		1	1
8. Limited staff with limited capacity but very dedicated			
9. Board has control over processes and procedures we choose to use			
10. Technological infrastructure in place			
11. Lack of data about licensees/stakeholders			

Approved 2017-2021 Strategic Plan

Action Items for:

Goal 1: Outreach

Goal 4: Operational Excellence

Outcome Focused Goals and Objectives

Objectives flagged in **bold face** and **highlighted in yellow** are areas identified as priorities for the first 18-24 months of the plan. Objectives appear below the goal in descending order of priority.

Goal 1 Outreach

The general public, prospective licensees and other key stakeholders have a greater understanding that engineering and surveying licensure are essential to safeguarding public health, safety and welfare.

Objectives

- 1. Increase legislators understanding of criticality of services provide by PE/PLS**
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4. Increase spending on message development
5. Increase modes of delivering messages and frequency of delivering messages

Goal 1 Outreach

Objective 1 Increase legislators understanding of criticality of services provide by PE/PLS

1. Develop a plan with lobbyists to involve legislature members with Board; i.e., Board meetings, meet and greets, etc.

→action item(s)

Do we have an understanding how the legislature sees us (the board)?

Do our lobbyists have an understanding (in line with our thinking) of what the board does?

Do we need to educate legislators about the difference between a professional engineer/land surveyor and regular engineers/land surveyors?

2. Develop a plan to involve Board lobbyist with legislators on an ongoing basis

When we have answers to the above questions we can begin to form a plan

3. Create the 'value added' message

The board has a purpose statement:

"to safeguard life, health and property and to promote the public welfare by providing for the licensure of qualified and competent professional engineers and professional land surveyors"

To support this and make it understandable to all, it needs to be developed into a value added message to engage all stakeholders

→action item

I believe this should come first and be the driver for our outreach action plan. This message

needs to address the value add (the “what’s in it for me” message) to prospective licensees, current professionals, the public and role the board plays in this process

4. Leverage BOE/PAL relationships with associations to develop a unified message

Once we develop a “value added” message, it can be shared with partners to be refined and finalized as a common theme

5. **Objective 2 Increase social media presence**

→*action item(s)*

Start with the re-formatting our newsletter (teaser text with links), where the body of articles live on our website (creating site drivers)

Move toward more engaging items within newsletter, info-graphics, video pieces etc. Introduce a blog and then twitter as an internal medium with board members

Creating a foundation first, of relevant information that people will want to view and share, is integral to launching a social presence

1. Find and hire the appropriate consultant to support this objective
2. Develop a social media plan with consultant
3. Identify best social media modes/methods
4. Identify audiences
5. Establish social media budget
6. Establish the role of BOE staff in social media

~ CONDITIONS ~

This section includes an assessment of the **conditions** that make each goal important to the Board. Participants were given 2 **critical** votes each (must be addressed in the plan) and 8 **important** votes (addressed if time and resources available). Each critical vote is counted as 2 points in the total. The priority conditions identified are the basis for the the Draft Objectives. This is intended to be a guiding tool, not a prescriptive vote.

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6. How a network we can connect to on this	2		2
7. Don't have clear message – essential elements		4	4
8. All stakeholders don't see our value		2	2
9. Public assumes someone else keeps them safe – take us for granted		1	1
10. Not enough engineers/LS in the pipeline		1	1
11. Public does understand what Board does			
12. People get information from nontraditional sources			
13. Limited resources to apply here			

Goal 4 Operational Excellence

The Nevada Board's efficient and effective use of technology and streamlined systems, processes and procedures result in high levels of satisfaction by all stakeholders.

Objectives

- 1. Increase staff capacity**
- 2. Create a business plan/budget to fund new initiatives /board improvements/updates**
- 3. Update all office and administrative processes**
4. Build a data collection strategy to ensure data needed for effective decision-making

Objective 1 Increase staff capacity

1. Hire full or part time consultants as needed
2. Staff training as needed
3. Conduct a workload assessment
4. Create a plan of action
 - Hire social media consultant (see Outreach goal)
 - Fill compliance position (April 17)
 - Fill part time position in Las Vegas office (in pipeline)
 - Possible need for additional office staff for newsletter publishing on a regular basis (1/4 time?)

→action item(s)

Eliminate work load items that are related to the user misunderstanding of our processes

Evaluate interactive processes on website to make as intuitive as possible
Staff to evaluate first and draft changes. Outside assessment as a second step

Cross-train staff to distribute workload at peaks in different areas of the operation
(goal to maintain efficiency in workflow)

Evolve investigative position to a contract consultant role hired on a need basis
This will give ability to retain discipline specific technical expertise
Create consultant job description for review by APOC

Hire summer intern to complete conversion to electronic file storage

Objective 2 Create a business plan/budget to fund new initiatives /board improvements/updates

1. Prioritize captured action items both in time and money

→*action item(s)*

Overall business plan will be a function of Goal 1 & 2, but \$ cost to improve operational efficiency/staff capacity will be calculated and submitted to APOC for review and budget approval

Objective 3 Update all office and administrative processes

1. Scan/convert paper to PDF and shred paper
2. Old and new
3. QC is in place

→*action item(s)*

Cross-audit of office processes to identify any inefficient steps

Expand operations manual detail to ensure business continuity

Frequent QC check points to ensure standards adhered to

Objective 4 Build a data collection strategy to ensure we have data needed for effective decision-making

~ CONDITIONS ~

This section includes an assessment of the **conditions** that make each goal important to the Board. Participants were given 2 **critical** votes each (must be addressed in the plan) and 8 **important** votes (addressed if time and resources available). Each critical vote is counted as 2 points in the total. The priority conditions identified are the basis for the the Draft Objectives. This is intended to be a guiding tool, not a prescriptive vote.

Weighting: Critical Condition count 2; Important Conditions count 1

Operational Excellence Goal	Critical	Important	Total
1. Current staff stretched thin	8	4	12
2. All administrative processes need documentation and to be updated		7	7
3. Limited staff expertise in emerging areas	4		4
4. Financially stable with reserves		2	2
5. Updated website		2	2
6. No means of measuring stakeholder satisfaction		1	1
7. Quality and quantity of paper overwhelming		1	1
8. Limited staff with limited capacity but very dedicated			
9. Board has control over processes and procedures we choose to use			
10. Technological infrastructure in place			
11. Lack of data about licensees/stakeholders			

16. Office of Nevada
Boards, Commissions,
and Council Standards
Proposed Regulations
Updates to
NAC 232.XXX

STATE OF NEVADA

JOE LOMBARDO
Governor



DR. KRISTOPHER SANCHEZ
Director

PERRY FAIGIN
NIKKI HAAG
MARCEL F. SCHAEERER
Deputy Directors

**DEPARTMENT OF BUSINESS AND INDUSTRY
OFFICE OF THE DIRECTOR**

NOTICE OF INTENT TO ACT UPON A REGULATION
LCB File No. R074-25

**NOTICE OF HEARING AND AGENDA FOR THE ADOPTION OF PERMANENT
REGULATIONS OF THE OFFICE OF NEVADA BOARDS, COMMISSIONS, AND
COUNCILS STANDARDS**

The Office of Nevada Boards, Commissions, and Councils Standards (the Office) will hold a public hearing on Monday, May 11, 2026, commencing at 9:00 a.m. The public hearing will be video-conferenced between the two locations listed below.

**Department of Business and Industry
Division of Insurance
1818 College Parkway, Suite 103A
Carson City, NV 89706
And
Department of Business and Industry
2300 W. Sahara Avenue, Suite 750
Las Vegas, NV 89102**

The purpose of the hearing is to receive comments from all interested persons regarding the adoption of regulations that pertain to Chapter 232 of the Nevada Administrative Code (NAC). The Office will receive testimony from all interested persons and consider and act on proposed permanent adoption of amendments, additions, and deletions to Chapter 232 of NAC as identified in **LCB File No. R074-25**. If no person who is directly affected by the proposed action appears to request time to make an oral presentation, the Office may proceed immediately to act upon any written submissions.

1. The Need for and Purpose of the Proposed Permanent Regulations.

The need and purpose of the proposed permanent regulations identified in LCB File No. R074-25

- a. Define certain terms relating to the administrative oversight of professional and occupational licensing board. (See sections 3-10 of R074-25 attached hereto.)

- b. Setting forth standards for each board including standards for record keeping and attendance at board meetings. (See section 11 of R074-25 attached hereto.)
- c. Establishing certain standards relating to the training of board members (See section 12 of R074-25 attached hereto.)
- d. Establishing certain standards for the internal controls of a board. (See section 13 of R074-25 attached hereto.)
- e. Establishing certain standards for the internet website of a board. (See section 14 of R074-25 attached hereto.)
- f. Establishing certain standards for a board relating to tracking certain bills during a legislative session. (See sections 15 of R074-25 attached hereto.)
- g. Creating standards for a board's transparency to the public including the publication of certain information to the public. (See section 16 of R074-25 attached hereto.)
- h. Setting forth certain standards relating to complaints and investigations by or on behalf of a board. (See section 17 of R074-25 attached hereto.)
- i. Creating standards for a board to provide certain information to the Office. (See section 18 of R074-25 attached hereto.)
- j. Providing certain standards of a board regarding finances and financial reporting. (See section 19 of R074-25 attached hereto.)
- k. Providing for the Office to issue certain recommendations relating to a board. (See section 20 of R074-25 attached hereto.)
- l. Providing other matters properly relating thereto. (See section 21 of R074-25 attached hereto.)

2. Terms or Substance of the Proposed Permanent Regulations or Description of the Subjects and Issues Involved.

- a. **Sections 2 through 10** of this regulation define key terms relating to professional and occupational licensing boards, including, without limitation, "board," "board member," "disciplinary action," "executive director," "license," "licensee," and the "Office."
- b. **Section 11** establishes structural standards for boards, including requirements to maintain centralized records of board membership and terms, procedures for electing or appointing officers, and attendance requirements for board members, including provisions related to unexcused absences and potential referral for removal.
- c. **Section 12** establishes standards and requirements for executive directors to notify board members of required training and mandates that boards report completion of such training to the Office.

- d. **Section 13** establishes uniform standards for internal controls, including requirements related to budgeting, recordkeeping, protection of confidential information, compliance with statutory reporting and auditing requirements, and corrective action in response to audit findings.
- e. **Section 14** establishes standards and requirements for each board to maintain a publicly accessible Internet website and specifies the information that must be made available to the public, including meeting materials, licensing information, disciplinary history, financial reports, and instructions for filing complaints.
- f. **Sections 15** establishes standards and requirements boards to track legislation during each legislative session, report on the impact of such legislation, and take necessary steps to implement enacted laws.
- g. **Section 16** Pertains to a board's publication of informational materials, including newsletters, alerts, or bulletins, to provide outreach and education to the public.
- h. **Section 17** establishes standards and requirements relating to complaints and investigations, including jurisdictional review, documentation of investigative timelines, and compliance with confidentiality requirements, and authorizes the Office to request information to the extent permitted by law.
- i. **Section 18** establishes standards and requirements for each board to submit quarterly reports to the Office, including information required under NRS 622.100, summaries of complaints and investigations, and other operational information related to board activities.
- j. **Section 19** establishes standards and requirements for boards to submit annual and quarterly financial information to the Office, including balance sheets or audit reports required under NRS 218G.400 and summary financial updates.
- k. **Section 20** requires the Office to conduct performance evaluations of boards using submitted reports and other information to assess administrative efficiency, internal controls, transparency, and compliance with statutory requirements.
- l. **Section 21** Concerns the Office's issuance of written recommendations to boards to address identified concerns and, where appropriate, refer potential malfeasance or nonfeasance of a board member to the Governor for consideration of removal.

3. How to Obtain the Approved or Revised Text of the Proposed Regulation Prepared by the Legislative Counsel.

The text of the proposed regulations may be obtained online by visiting the State of Nevada Register of Administrative Regulations at:

<https://www.leg.state.nv.us/Register/2025Register/R074-25RP3.pdf>

The additional proposed amendments to LCB File No. R074-25 can be found in the document

attached hereto dated February 23, 2026.

4. Estimated Economic Effect of the Proposed Permanent Regulations on the Businesses which they will Regulate, and the Public.

a. Adverse and Beneficial Effects

The proposed permanent regulation presents no reasonably foreseeable or anticipated adverse economic effects to any small businesses. The regulations are administrative in nature and apply solely to the internal governance, reporting, and operational standards of occupational and licensing boards established under NRS 232.8415(1) (a-g) and (2) (a-kk). These boards are public bodies, not private business entities. Accordingly, the proposed regulations do not impose any direct or indirect requirements, fees, or compliance obligations on small businesses.

b. Immediate and Long-Term Effects

There are no anticipated immediate or long-term economic effects.

5. The Methods Used by the Agency in Determining the Impact on a Small Business.

The proposed amendments presented in LCB File No. R074-25 have no impact on small businesses, no methods to reduce such an impact were considered or used.

6. Estimated Cost to Agency for Enforcement of the Proposed Permanent Regulation.

The Office does not anticipate any additional enforcement costs. The regulations codify existing administrative and oversight practices and do not require new enforcement mechanisms.

7. Regulations of Other State or Local Governmental Agencies which the Proposed Permanent Regulation Overlaps or Duplicates and their Necessity.

The proposed regulation may overlap with certain existing statutory and regulatory requirements applicable to professional and occupational licensing boards, including, without limitation, requirements related to financial reporting, auditing, public meetings, and records management.

Such overlap includes, but is not limited to, statutory auditing and reporting requirements under NRS 218G.400 and NRS 622.100, as well as existing requirements governing public records (chapter 239 of NRS), open meeting law (chapter 241 of NRS), and other board-specific statutes and regulations.

This overlap is necessary to implement and operationalize the duties of the Office of Nevada Boards, Commissions and Councils Standards pursuant to NRS 232.8413 and 232.8415. The regulation does not create duplicative substantive requirements, but instead establishes uniform

administrative standards, reporting mechanisms, and processes to ensure consistent compliance, transparency, and accountability across all boards under the Office's purview.

To the extent any overlap exists, the regulation is intended to align with and support existing statutory requirements, not to conflict with or supersede them. The provisions of this regulation are applied in a manner consistent with all applicable statutes, and nothing in this regulation is intended to expand or limit the authority of any board beyond what is provided by statute.

8. If the Regulation is Required pursuant to Federal Law, a Citation and Description of the Federal Law.

The proposed permanent regulation is not required pursuant to federal law.

9. If the Regulation includes Provisions which are More Stringent than a Federal Regulation that Regulates the Same Activity, a Summary of Such Provisions.

The proposed permanent regulation does not include provisions which are more stringent than a federal regulation.

10. Establishment of New Fees or Existing Fee Increases

The proposed permanent regulation does not establish new fees or increase existing fees.

Persons wishing to comment on the proposed action of the Office may appear at the above-scheduled public hearing or may address their comments, data, views, or arguments, in written form, to the Office. **Written submissions must be received by the Office on or before May 4, 2026.**

A copy of this notice and the regulation to be adopted, will be deposited with the State Library, Archives and Public Records Administrator. Additional copies of the notice and the regulation to be adopted and the additional language changes will be available at the Department of Business and Industry locations at 2300 W. Sahara Avenue, Suite 770 Las Vegas, NV 89102, 1830 E. College Parkway, Suite 200, Carson City, NV 89706, and on the Office's website, <https://www.business.nv.gov/boards-and-commissions/>. This notice and the text of the proposed regulation are also available in the State of Nevada Register of Administrative Regulations, which is prepared and published monthly by the Legislative Counsel Bureau pursuant to NRS 233B.0653, and on the Internet at <http://www.leg.state.nv.us>. Copies of this notice and the proposed regulation will also be mailed to members of the public upon request. A reasonable fee may be charged for copies if it is deemed necessary.

Pursuant to NRS 233B.064(2), upon adoption of any regulation, the Office, if requested to do so by an interested person, either before adoption or within 30 days thereafter, will issue a concise statement of the principal reasons for and against its adoption and incorporate therein its reason for overruling the consideration urged against its adoption.

Note: We are pleased to make reasonable accommodations for members of the public who are disabled and wish to attend the meeting. If special arrangements are necessary, please email bccsinfo@business.nv.gov, or notify 775-684-2999 as soon as possible.



Nikki Haag
Deputy Director, The Office of Nevada Boards, Commissions, and Councils Standards
Friday, April 10, 2026

NOTICE OF PUBLIC HEARING AND AGENDA

A authorized meeting of the Office of Nevada Boards, Commissions, and Councils Standards (the Office) will be held on **May 11, 2026**, at **9:00 a.m.** The public hearing will be video-conferenced between the two locations listed below:

**Department of Business and Industry
Division of Insurance 1818 College Parkway
Suite 103A, Carson City, NV 89706**

And

**Department of Business and Industry
2300 W. Sahara Avenue, Suite 750
Las Vegas, NV 89102**

Public Hearing Agenda:

- A. OPEN PUBLIC HEARING**
- B. PUBLIC COMMENT**
- C. PRESENTATION OF PROPOSED REGULATIONS** Public hearing to discuss and adopt proposed amendments to the language of the permanent regulation identified as **LCB File No. R074-25**, *for possible action*.
- D. PUBLIC COMMENT**
- E. ADJOURNMENT**

NOTE: Any agenda item may be taken out of order; items may be combined for consideration; items may be pulled or removed from the agenda at any time; and discussion relating to an item may be delayed or continued at any time. The workshop presenter will indicate when live public comment will be taken and, within his/her discretion, may allow for public comment on individual agenda items.

PUBLIC COMMENT: Public comment is welcomed during public comment periods and is limited to 3 minutes per person per public comment period. Unused time may not be allocated to other speakers. A speaker's viewpoint will not be restricted; however, reasonable restrictions may be imposed upon the time, place, and manner of speech. Irrelevant statements, unduly repetitious statements, and personal attacks that would objectively antagonize or incite others are examples of speech that may be reasonably limited.

WRITTEN COMMENT PROCEDURE: Members of the public who wish to participate may do so by providing written public comment to the following email address: BCCSinfo@business.nv.gov. For inclusion or reference in the record of this workshop, please include your full name and contact information. Written submissions must be received by the Department on or before May 4, 2026. The Department may place other reasonable restrictions on the time, place, and manner of public comments but may not restrict comments based upon viewpoint.

DISABILITY ACCOMODATIONS: We are pleased to make reasonable accommodations for members of the public with a disability and wish to participate. The Division will make reasonable accommodations for attendees with disabilities. Please notify the Division of your request for reasonable accommodation in writing no later than five (5) working days before the workshop via email to BCCSinfo@business.nv.gov in writing, at Department of Business and Industry 1830 E. College Pkwy, Suite 200 Carson City, NV 89706.

A copy of all materials relating to the proposal may be obtained by visiting the Division's website at: <https://www.business.nv.gov/> or by contacting the Division, 1830 E. College Pkwy, Suite 200, Carson City, NV 89706, (775) 684-2999. Members of the public who would like additional information about the proposed regulations may contact Nikki Haag, Deputy Director, at (775) 684-2999, or via e-mail to Nikki.Haag@business.nv.gov.

NOTICE OF THE HEARING AND AGENDA HAS BEEN PROVIDED AS FOLLOWS:

1. Posted at the Division's principal office/in-person physical locations: 2300 W. Sahara, Ave., Suite. 770, Las Vegas, Nevada 89102, and 1830 College Pkwy, Suite 200, Carson City, NV 89706
2. Posted online to the Nevada Legislature website: <http://leg.state.nv.us/App/Notice/A/>
3. Posted online to the State of Nevada Public Notice website: <https://notice.nv.gov>
4. Posted online to the Division's website: <https://www.business.nv.gov/about/meetings-and-agendas/2026-meetings-and-agendas/>
5. By email to all persons on the Office of Nevada Boards, Commissions, and Councils Standards listserv
6. By email to all Executive Director's or equivalent officer under NRS 232.8415 (2) (a-kk)

**THIRD REVISED PROPOSED REGULATION OF THE
DIRECTOR OF THE DEPARTMENT OF BUSINESS AND
INDUSTRY**

LCB File No. R074-25

February 23, 2026

EXPLANATION – Matter in *italics* is new; matter in brackets ~~omitted material~~ is material to be omitted.

AUTHORITY: §§ 1-21, NRS 232.8413.

A REGULATION relating to professional and occupational licensing boards; defining certain terms relating to the regulation of professional and occupational licensing boards; setting forth certain standards for each board relating to recordkeeping, officers of the board and attendance at board meetings; establishing certain requirements relating to the training of board members; establishing certain standards for the internal controls of a board; establishing certain requirements for the Internet website of a board; establishing certain requirements for a board relating to certain bills during a legislative session; authorizing a board to publish certain information for the public; setting forth certain standards relating to complaints to and investigations by or on behalf of a board; requiring a board to provide certain information to the Office of Nevada Boards, Commissions and Councils Standards within the Department of Business and Industry; providing for the Office to conduct performance evaluations of a board; providing for the Office to issue certain recommendations relating to a board; and providing other matters properly relating thereto.

Legislative Counsel’s Digest:

Existing law creates the Office of Nevada Boards, Commissions and Councils Standards within the Department of Business and Industry and charges the Office with certain duties relating to the regulation of professional and occupational licensing boards, including: (1) centralized administration; (2) establishing a uniform set of standards for investigations, licensing and discipline, internal controls and legal representation; (3) establishing a consistent set of structural standards for boards and commissions; (4) transparency and consumer protection; and (5) efficacy and efficiency. Existing law requires the Director of the Department to adopt regulations and procedures to administer the responsibilities of the Office. (NRS 232.8413, 232.8415) **Sections 3-10** of this regulation define certain terms relating to the regulation of professional and occupational licensing boards. **Section 2** of this regulation applies these definitions to the provisions of this regulation.

Section 11 of this regulation establishes certain structural standards for each board to: (1) maintain certain centralized records relating to each seat on the board, the board members filling

those seats, and the terms of the board members serving on the board; and (2) elect or appoint officers of the board. **Section 11** also sets forth certain attendance requirements for board members at meetings.

Section 12 of this regulation requires: (1) the executive director of each board to notify board members of certain training requirements and when such training is offered; and (2) the board to notify the Office that a board member has successfully completed such training.

Section 13 of this regulation requires each board to establish certain standards for internal controls including: (1) developing and implementing a budget; (2) maintaining and protecting information in the records of the board in a certain manner; (3) complying and cooperating with all statutory and regulatory reporting and auditing requirements; and (4) taking certain actions to respond to audits that recommend corrective action.

Section 14 of this regulation requires each board to maintain a publicly accessible Internet website of the board, which includes certain information and meets certain requirements.

Section 15 of this regulation requires each board to: (1) track bills during a regular or special legislative session which may impact the operations of or licensees regulated by the board; (2) report certain information to the Office relating to such bills; and (3) take certain steps to implement bills which became law.

Section 16 of this regulation authorizes a board to publish certain materials to inform the public of information relating to the board and licensees of the board.

Section 17 of this regulation sets forth certain requirements relating to complaints to and investigations conducted by or on behalf of a board. **Section 18** of this regulation requires a board to provide certain quarterly information to the Office relating to complaints, investigations, disciplinary actions, licensees and other board operations.

Section 19 of this regulation requires a board to submit certain financial information to the Office on a quarterly and annual basis.

Section 20 of this regulation requires the Office to evaluate the performance of each board using the reports and other information required to be submitted to the Office.

Section 21 of this regulation provides that if the Office identifies: (1) certain concerns with a board, the Office may provide the board with written recommendations to address such concerns; or (2) certain conduct of a board member that may constitute malfeasance or nonfeasance, the Office may refer the board member to the Governor for possible removal.

Section 1. Chapter 232 of NAC is hereby amended by adding thereto the provisions set forth as sections 2 to 21, inclusive, of this regulation.

Sec. 2. *As used in sections 2 to 21, inclusive, of this regulation, unless the context otherwise requires, the words and terms defined in sections 3 to 10, inclusive, of this regulation have the meanings ascribed to them in those sections.*

Sec. 3. *“Board” means any professional or occupational licensing body, including, without limitation, a board, commission or council, that has been created by the Legislature and which is under the purview of the Office.*

Sec. 4. *“Board member” means a person appointed to serve on a board.*

Sec. 5. *“Disciplinary action” means any final action taken by a board against a licensee, including, without limitation, a public reprimand, probation, a fine, the suspension or revocation of a license or the voluntary surrender of a license in lieu of discipline.*

Sec. 6. *“Executive director” means a person appointed or employed by a board to oversee the daily operations of the board.*

Sec. 7. *“License” means any professional or occupational authorization, including, without limitation, a license, permit, registration or certificate, that is issued by a board.*

Sec. 8. *“Licensee” means any person who holds a license issued by a board.*

Sec. 9. *“Office” means the Office of Nevada Boards, Commissions and Councils Standards within the Department.*

Sec. 10. *“Purview” means administrative oversight.*

Sec. 11. 1. *For the purposes of establishing a consistent set of structural standards pursuant to NRS 232.8415:*

(a) Each board shall:

(I) Maintain a centralized record of:

(I) Each seat on the board, including, without limitation, whether the seat is required by statute to represent certain interests or to serve a certain role;

(II) Each board member who is filling a seat on the board; and

(III) The terms of each board member, including, without limitation, the date on which each term begins and expires.

(2) Elect or appoint the officers of the board in accordance with the applicable statutes and regulations governing the board. Except as otherwise provided by specific statute or regulation adopted by the board, the board shall elect the officers of the board on an annual basis.

(b) Board members are required to attend and participate in meetings of the board. If, within a 12-month period, a board member has three or more consecutive unexcused absences or has unexcused absences from 50 percent or more of the meetings of the board, the board member has failed to meet this attendance requirement and the board or the Office may submit a recommendation to the Governor for the removal of the board member pursuant to NRS 232A.030.

2. As used in this section, “unexcused absence” means an absence that is not:

(a) Caused by illness, family emergency or other extenuating circumstance;

(b) Approved by the chair of the board; or

(c) Otherwise authorized by statute.

Sec. 12. 1. *The executive director of each board shall notify the board members of any training that the board members are required to complete pursuant to NRS 622.200 and when such training will be offered.*

2. Not more than 30 days after a board member successfully completes any training required pursuant to NRS 622.200, the board shall provide written notice to the Office, in a format prescribed by the Office, confirming that the board member has successfully completed the required training.

Sec. 13. *For the purpose of establishing a uniform set of standards for internal controls pursuant to NRS 232.8415, each board shall:*

- 1. Develop a budget for the board and monitor the implementation of the budget.*
- 2. Maintain any information in the records of the board relating to licensees, finances and complaints in a manner that ensures the information is accurate, complete and verifiable.*
- 3. Protect the confidential and personally identifiable information in the records of the board.*
- 4. Comply and cooperate with all reporting and auditing requirements:*
 - (a) Set forth by any applicable statute or regulation, including, without limitation, the governing statutes of the board and the requirements of title 54 of NRS or NRS 218G.400, 331.110, 333.705, as amended by section 8 of Assembly Bill No. 506, chapter 153, Statutes of Nevada 2025, at page 859, or NRS 622.100, as amended by section 3 of Senate Bill No. 274, chapter 83, Statutes of Nevada 2025, at page 444; or*
 - (b) Established by any state entity authorized to conduct audits or require reports pursuant to any applicable statute or regulation, including, without limitation, the Legislative Auditor or the Budget Division of the Office of Finance,*
↳ in a timely and accurate manner and in accordance with any deadline set forth in statute or regulation or established by the applicable state entity.
- 5. Respond to all audits of the board that are required or authorized by statute or conducted by a state entity that is authorized to conduct audits of the board pursuant to statute. Except as otherwise provided by specific statute, each board shall, not more than 90 days after receiving a final written report of an audit that recommends corrective action:*

(a) Prepare a written plan for corrective action that addresses all recommendations for the corrective action; and

(b) Submit evidence to the auditing entity that the corrective action set forth in the written plan prepared pursuant to paragraph (a) has been taken.

Sec. 14. 1. *Each board shall maintain a publicly accessible Internet website of the board which is accessible to persons with disabilities, including, without limitation, persons who are blind or visually impaired and, in addition to any other information required by statute or regulation of the board, post on the Internet website of the board:*

(a) A citation and link to the enabling statutes of the board and any regulations adopted by the board, including, without limitation, emergency regulations, temporary regulations and permanent regulations of the board which have been adopted and filed with the Secretary of State pursuant to chapter 233B of NRS but not yet codified in the Nevada Administrative Code.

(b) The mission statement of the board.

(c) For all current board members:

(1) The name of each board member;

(2) If the board member was appointed to represent certain interests or serve a certain role that is required by statute, the interests or role which the board member represents or serves; and

(3) The dates on which the term of each board member begins and expires.

(d) The name and title of the executive director of the board.

(e) The contact information for the board, including, without limitation, the electronic mailing address, mailing address, physical address and telephone number for the board.

(f) Any upcoming meeting of the board or a subcommittee of the board, which must include, without limitation, the date, time, location, agenda, when available, and any other information required for notice of an upcoming meeting pursuant to NRS 241.020 or 622.340, as applicable.

(g) An archive consisting of all agendas and minutes of meetings of the board prepared pursuant to NRS 241.035 for a period of not less than the immediately preceding 5 years. All other agendas and minutes of meetings of the board outside of such 5-year period must be made available upon request in accordance with the provisions of chapter 239 of NRS.

(h) Clear instructions for applying for initial licensure, renewing a license and the reinstatement of a license and any applicable deadlines set forth in statute or regulation for applying for, renewing or reinstating a license.

(i) A system for verifying licenses, which must be accessible from the homepage of the Internet website with one click and, for each licensee, must include, without limitation, the full name of the licensee, the type and status of the license, the license number, the date of issuance and the date of expiration of the license and a yes-or-no-indication of whether the licensee has any history of disciplinary actions.

(j) A system for reviewing the history of disciplinary actions of a licensee, which must:

- (1) Be accessible from the homepage of the Internet website;*
- (2) Be searchable;*
- (3) Be updated not more than 15 days after any new disciplinary action is finalized;*
- (4) Include, without limitation, the full name of the licensee, the type and status of the license, the license number of the licensee, the type of disciplinary action and the date of the disciplinary action; and*

(5) Unless otherwise declared confidential by statute or court order, provide access to the final order or settlement agreement for any disciplinary action issued in the immediately preceding 5 years. All other final orders or settlement agreements for any disciplinary action not otherwise declared confidential outside of the immediately preceding 5-year period must be made available upon request in accordance with the provisions of chapter 239 of NRS.

(k) Clear instructions on how to file a complaint with the board, accompanied by forms that may be downloaded for filing a complaint or an online system on the Internet website that enables a person to file a complaint electronically.

(l) A copy of the most recent quarterly update submitted to the Office pursuant to section 19 of this regulation and a copy of all financial audits or balance sheets filed pursuant to NRS 218G.400 within the immediately preceding 5 years.

(m) A copy of any review, evaluation, report or audit of the board conducted or prepared within the immediately preceding 5 years by or on behalf of:

(1) The Sunset Committee of the Legislature;

(2) The Division of Internal Audits of the Office of Finance;

(3) The Fiscal Analysis Division of the Legislative Counsel Bureau; or

(4) Any other entity authorized by statute to conduct or prepare a review, evaluation report or audit of the board.

(n) A link to the Internet website of the Office which must be accessible from the homepage of the Internet website of the board.

(o) Any other report required to be published by statute or submitted annually by the board.

(p) Any performance data prepared by the board.

2. The Internet website of each board must comply with any applicable regulations, policies, standards and guidelines adopted by the Chief Information Officer of the Governor's Technology Office within the Office of the Governor pursuant to NRS 242.111, as amended by section 19 of Senate Bill No. 467, chapter 513, Statutes of Nevada 2025, at page 3565, and section 15 of Assembly Bill No. 1, chapter 4, Statutes of Nevada 2025, 36th Special Session, at page 42, and NRS 242.115.

3. As used in this section:

(a) "Emergency regulation" has the meaning ascribed to it in NRS 233B.033.

(b) "Performance data" means information or metrics prepared by a board to measure or report on the operations, workload or compliance with the statutory duties of the board, including, without limitation, data or metrics prepared by the board during the ordinary course of business or that is required by statute or regulation.

(c) "Permanent regulation" has the meaning ascribed to it in NRS 233B.036.

(d) "Temporary regulation" has the meaning ascribed to it in NRS 233B.0385.

Sec. 15. 1. During each regular or special legislative session, each board shall track any bills introduced in the Legislature which may impact the operations of or licensees regulated by the board.

2. Not later than 60 days after the adjournment of each regular or special legislative session, each board shall submit a report to the Office, in a format prescribed by the Office, identifying, for each bill tracked pursuant to subsection 1:

(a) The bills tracked by the board and whether the bills became law;

(b) The potential impact of each bill on the operations of or licensees regulated by the board;

(c) Any actions required by the board to implement any bills which became law during the legislative session; and

(d) The estimated timeline for the board to implement any bills which became law during the legislative session.

3. For any bill tracked by the board pursuant to subsection 1 for which a board is required to take action to implement, the board shall:

(a) Update the regulations of the board consistent with the bill;

(b) Ensure that the bank accounts and the records of the board are consistent with the requirements of the bill; and

(c) Notify the Office, in a format prescribed by the Office, once the board has implemented the bill.

Sec. 16. To provide outreach and education to the public, each board may publish newsletters, alerts or bulletins to inform the public of the activities of the board, professional standards of and ethical requirements for the licensees regulated by the board, the rights of the public and the procedures for reporting the misconduct of a licensee to the board.

Sec. 17. 1. To ensure transparency and access to the public, each board shall make available to any person who wishes to file a complaint with the board a form for filing the complaint or a method to file the complaint electronically.

2. When responding to a complaint filed with a board, the board shall comply with all requirements for confidentiality.

3. Before initiating an investigation, a board shall determine whether a complaint falls within the jurisdiction of the board.

4. For any matter under an investigation conducted by or on behalf of a board, the file of the complaint documenting the investigation must include, without limitation:

(a) Any statutory or regulatory deadlines applicable to the investigation and resolution of the complaint by the board;

(b) Whether the board met all the deadlines identified pursuant to paragraph (a); and

(c) If the board did not meet a deadline identified pursuant to paragraph (a), the reason the board did not meet the deadline.

5. For the purposes of subsection 4, the steps of an investigation may include, without limitation, the receipt or acknowledgment of a complaint, the issuance of a notice to a licensee, the determination of reasonable doubt, the filing of a formal complaint, the scheduling of a hearing and the issuance of a final decision by the board.

6. Upon the request of the Office and to the extent permitted by law, a board shall provide to the Office any files, documents, data or other information relating to an investigation conducted by the board, including, without limitation, any disciplinary action instituted as a result of an investigation.

Sec. 18. *On or before the 20th day of January, April, July and October, each board shall submit to the Office, in a format prescribed by the Office:*

1. All information required to be submitted to the Director of the Legislative Counsel Bureau pursuant to NRS 622.100, as amended by section 3 of Senate Bill No. 274, chapter 83, Statutes of Nevada 2025, at page 444. A board may submit a copy of the report submitted to the Director of the Legislative Counsel Bureau pursuant to NRS 622.100, as amended by section 3 of Senate Bill No. 274, chapter 83, Statutes of Nevada 2025, at page 444, to satisfy this requirement.

2. *A summary of all complaints filed with the board during the immediately preceding calendar quarter, which must include, without limitation:*

(a) All complaints received, pending and resolved by the board for the calendar quarter; and

(b) The number of complaints resolved by the board at each stage of the process for resolving a complaint, consistent with the statutory procedures of the board.

3. *Any other information requested by the Office that is reasonably related to the administrative, fiscal or investigative operations of the board.*

Sec. 19. 1. *All money in the possession of a board must be deposited and used in accordance with any applicable statutes governing the board.*

2. *On or before December 1 of each year, each board shall submit to the Office:*

(a) A copy of the balance sheet or the report of an audit, as applicable, required to be filed with the Legislative Auditor and the Chief of the Budget Division of the Office of Finance pursuant to NRS 218G.400; and

(b) A form, in the format prescribed by the Office, summarizing the information provided pursuant to paragraph (a), which must include, without limitation:

(1) The total revenue of the fiscal year;

(2) The total expenditures of the board at the end of the fiscal year;

(3) The cash balances of the board at the end of the fiscal year;

(4) A statement from the board identifying any significant financial or structural concerns identified by the board; and

(5) A review of the adequacy of the existing fees which the board is authorized to charge under statute.

3. *Not later than 30 days after the close of each fiscal quarter, each board shall submit to the Office a quarterly update summarizing the finances of the board for that fiscal quarter, in a format prescribed by the Office, which must include, without limitation:*

- (a) The total revenue of the board at the end of the fiscal quarter;*
- (b) The total expenditures of the board at the end of the fiscal quarter; and*
- (c) The cash balances of the board at the end of the fiscal quarter.*

Sec. 20. *1. The Office shall evaluate the performance of each board using the reports and information submitted to the Office pursuant to sections 2 to 21, inclusive, of this regulation to assess the administrative efficiency, internal controls, transparency, responsiveness to the public and compliance with statutory reporting requirements of a board.*

2. If the Office identifies any issues during a performance evaluation conducted pursuant to subsection 1, the Office shall notify the board in writing and the board shall have 60 days to submit a written response addressing the issues identified by the Office. The Office shall evaluate the written response of the board, if any, before completing the performance evaluation of the board. The Office is not required to modify its findings or conclusions based on the written response of the board.

3. After completing a performance evaluation conducted pursuant to subsection 1, the Office may issue written recommendations to a board pursuant to section 21 of this regulation.

4. Nothing in this section shall be construed to authorize the Office to direct the financial or operational activities of a board or to require a board to take corrective action beyond what is required by statute.

Sec. 21. *1. If the Office identifies concerns regarding the compliance of a board with the requirements of statute or with the administrative practices, internal controls or reporting*

compliance of the board, the Office shall provide the board with written recommendations to promote improved performance, administrative consistency or compliance with statutory and regulatory requirements.

2. Not more than 60 days after receiving written recommendations provided pursuant to subsection 1, a board shall review such recommendations and provide the Office with a written response describing the actions the board intends to take to address the written recommendations of the Office, if any.

3. If the Office identifies any conduct by a board member in the performance of his or her duties that may constitute malfeasance or nonfeasance, including, without limitation, neglect of duty, incompetence or inefficiency, the Office may refer such conduct to the Governor to consider whether the board member should be removed from the board pursuant to NRS 232A.030.

17. Government Liaison Report

18. Legislative Bills
Proposed by the
Legislature to Amend
NRS

19. Board Chair and Vice Chair Election

20. Board and Staff Assignments

Action List

BOARD MEETING ITEMS

November 6, 2025, Board meeting

3. Public comment.

Contact other western boards regarding level of support for a possible NCEES traffic engineering exam, then discuss with Mr Wright consideration of adding as a future meeting agenda item. **Mr Fakler**

January 15, 2026, Board meeting

16. Consideration of Strategic Plan updates from November 5, 2025, Strategic Planning Session.

Communications plan to be developed to align with strategic plan executive summary and with input from both outreach committees. **Staff**

March 15, 2026, Board meeting

14. Discussion and possible and possible action on revisions to the 2025 Strategic Plan Executive Summary.

Add Strategic Plan as appendix A and adjust introductory paragraph of the Executive Summary **Staff**

21. Discussion and possible action on meeting dates.

Change November 2026 meeting date to Thursday November 19, and revise and resend calendar reminders. **Staff**

April 9, 2026, Interim Board meeting

4. Board approval of non-appearance applications for initial licensure. Refer to Addendum A for list of applicants.

Forward full NCEES Record (with transcripts) of civil engineering applicant (Mr Hickenbottom) to Mr DeSart for review and recommendation. **Staff**

5. Discuss proposed updates by the Nevada Division of Minerals to the Nevada Administrative Code Chapter 522.210 as shown in LCB File No. R052-25.

Draft letter to Nevada Division of Minerals outlining the opinion of the Board as stated in motion 26-29. **Staff**

COMMITTEE ITEMS

PROFESSIONAL ASSOCIATION LIAISON COMMITTEE

February 9, 2021, Meeting

7. Discuss board's updated Strategic Plan—goals and strategies related to PAL Committee and discuss possible tactics/action items.

Goal 2: Licensure – Strategy (5): *Provide options to meet land surveyor educational requirements*

Consider forming sub-committee to contact with UNLV Dean of Engineering about creating a minor in land surveying. **Mr Fakler**

March 10, 2026, Meeting

5. Development of Profession Association Liaison Committee Mission and Vision statement.

Committee members to propose edits to draft mission (and vision) statement for PAL committee, then present back to committee for consideration. **PAL members**

ADMINISTRATIVE PROCEDURES OVERSIGHT COMMITTEE

APOC - March 30, 2021, Meeting

5. Discuss third-party verification of digital signatures for licensees of the board and possible role of the board in the verification process including cost participation.

Continue to monitor other states regulations relating to third-party verification requirements. **Staff**

March 30, 2023, Meeting

6. Consider proposed budget for fiscal year July 1, 2023, to June 30, 2024.

Suggested that options be explored that could be of some tangible benefit to existing licensees to accelerate the reduction of the reserve. Prepare evaluation of options to be considered by APOC. **Staff**

April 1, 2025, Meeting

6. Consider proposed budget for fiscal year July 1, 2025, to June 30, 2026.

Relating to item 6 from the March 2023 meeting, staff to draft options and present for committee

consideration at the next scheduled APOC meeting. **Staff**

From the July 17, 2025, Board Meeting

18. Discussion and possible action for continued outreach related to the challenges identified in this last legislative session and other board related matters.

Include agenda item for next APOC meeting to consider negotiating an expanded level of government liaison services to help advise the Government Outreach Committee. **Mr Fakler**

From the November 20, 2025, Special Board Meeting

3. Discussion and possible action on independent financial audit report for fiscal year 2024-2025.

Review of reserve level as stated in independent financial audit report for fiscal year 2024-2025. **Mr Fakler**

April 14, 2026, Meeting

4. Consider executive director work performance and salary.

Reach out to the universities regarding the importance of the fundamentals exam and promote the idea of giving chords (NCEES honor chords) to students who successfully complete the FE exam prior to graduation. **Mr Fakler**

Continue to monitor AI development and its effects on our profession. **Mr Fakler & Staff**

Develop Succession/Transition plan. How do we ensure the current culture continues into the future. **Mr Fakler & Staff**

Continue to update Book of Board and employee manual. **Mr Fakler & Staff**

Reach out to J&J CPA's & Casey Neilon to discuss our reserve level for Board. Research Board history during the recession. **Mr Fakler**

PUBLIC OUTREACH COMMITTEE

July 3, 2025, Meeting

Consider options to expand PE/PLS badge program to all licensees. **Staff**

Committee meeting dates to be scheduled 60 days in advance. **Staff**

February 4, 2026, Meeting

Newsletter and social media push to promote Speakers Bureau. **Staff**

Produce video content relating to a newly licensed PE. **Staff**

Explore digital badge options for retiring PEs to highlight years of service. **Staff**

Add content to career collateral highlighting land surveying career options for civil engineering graduates. **Staff**

from March 12, 2026, Board Meeting

Adjust text for lapsed licenses to read “License Expired” (from “Delinquent”), and whether years of engineering practice can be shown with “Retired” status, and those who been license more than 20 years. Explore recognition options in license look-up function. **Staff**

LEGISLATIVE COMMITTEE

Items for discussion

Consider future licensing of engineers as it relates to emerging technologies and blended engineering degrees including considering retention and/or modification of specific disciplines licensed by the board. Develop position statement before end of FY 2023/2024 of the issues to be addressed. This item encompasses discipline specific vs PE state discussion. Mr Fyda and Mr Fakler to discuss and identify possible solutions to the issues identified by position statement. **Future discussion**

As a result of NCEES Annual Meeting vote on *Engineering Licensure Task Force Motion 1*, the proposed pathway for comity licensure for non-degree applicants. To be vetted by LegComm (for review against current regulations). After consideration at 2.26.2026 committee, decision of no action made. Staff to monitor the number of applications comity applications denied because of no degree. **Staff**

Review and propose possible revisions to the Education Credit Guideline relating to experience being accrued concurrent with education. Decision made at 3.12.2026 Board meeting of no change. Staff staff add text with clarifying examples to the Board Member Manual on the evaluation process for experience concurrent with education special consideration applications. **Staff**

Possible NRS changes for consideration

NRS 327 (National datum update), moved to **PLS Subcommittee**

NRS 625.280 (regarding release of NCEES PLSS module), moved to **PLS Subcommittee**

NRS 625.382 (Licenses: Issuance to licensee of another state or country) Review relating to *NCEES Task Force Motion 1* **From 10.16.2025 meeting, Staff to review**

Possible NAC changes for consideration

NAC 625.240 (relates to comity licensure – discussion item above *NCEES Task Force Motion 1*). **From 10.16.2025 meeting, Staff to propose revisions**

Schedule for codification approved NAC changes

R 077-23 Licensure and Examinations R 126-23 PLS Standards of Practice
R 079-23 Miscellaneous R 006-24 Written Contracts
R 105-23 PLS Standards of Practice R 007-24 PLS Standards of Practice

Have connected with LCB, **awaiting timeline update**

PLS STANDARDS OF PRACTICE SUB-COMMITTEE

- **NRS 327** (National datum update)

- letter of support for the revised language from NALS (or the Legislative Committee of NALS) **NALS**
- build a list of interested parties to datum change (committee members to forward to Mr Fakler) then reach out with copies of the proposed revisions to seek feedback **Staff**
- public workshop scheduled for **April 15, 2026**, staff to send invite to ALL PLS and interested parties to participate **Staff**
- draft introduction for public workshop **Mr Gingerich & Mr Fakler**
- draft a collateral piece for legislators **Staff**
- work with board govt affairs liaison to identify possible sponsor(s) **Mr Fakler**

Public comments from 4.15.2026 Public Workshop to be incorporated into revised draft of NRS 327 and presented for review and consideration at the 5.14.2026 Board meeting. **Staff**

- **NRS 625.280** (regarding release of NCEES PS Exam PLSS module)
- **NAC 625.310** (impact of NCEES PS Exam PLSS module)

Staff and **Mr MacKenzie** to identify the impacted statutes and regulations and consider (and draft) possible revisions relating to examination combination options, and present back to the committee for consideration.

- **NAC 522.210**

Review proposed changes to the regulation as outlined in LCB File # R052-25 and consider input from the committee.

Recommendation made to Board and opinion offered at 4.9.2026 Interim Board meeting. Staff to draft (opinion) letter and forward to Nevada Division of Minerals. **Staff**

- **NRS 625.380**

Letter from NALS relating to NRS 625.380. Moved to PLS Standards of Practice sub-committee for discussion. **Future discussion**

GOVERNMENTAL OUTREACH COMMITTEE

October 21, 2025, Meeting

3. Update on impacts of Senate Bill 78 (SB 78) which revises provisions relating to boards, commissions, councils and similar bodies.

c. Business & Industry white paper and NVBPELS response

- Understand what B&I are trying to achieve – to the know root issue of what we are dealing with.
- Researching the outcomes of states that have consolidated – particularly engineering boards.
- Identify what makes this board unique, compared to other Nevada boards, and determine the best way to articulate to legislators and the governor's office.

4. Discussion of SB431 which brought boards and commissions under Business & Industry.

b. Consideration of potential regulations drafted by Business & Industry supporting changes to NRS 232.8413 and 232.8415.

- Address the proposed regulations, and work with B&I to get regulations that are not burdensome.
- Engage with other stakeholders, in this instance other Nevada boards, to be heard in unison.

5. Discuss educational outreach strategy.

a. Discussion of outreach approach

- Clearly identify our points of differentiation as a technical board, then develop an effective way to communicate that to stakeholders – particularly the governor's office and legislators.

b. Consideration of creating collateral materials for public education

- Draft a collateral "leave behind" which highlights the importance of licensure and the board
- Meet with senate, assembly members, and the governor's office

6. Open discussion of items related to the Government Outreach Committee.

- Consider scope adjustment for Govt Affairs Liaison in new contract (mid 2026)

April 20, 2026, Meeting

4. Update on the status of the Office of Nevada Boards, Commissions, and Council Standards proposed updates to Nevada Administrative Code 232.XXX.

- Consider gathering support to comment at Adoption Hearing and Legislative Commission Hearing for final adoption. **Staff**

5. Discuss outreach strategy. (Discussion Only).

b. Pre - 84th Legislative Session

- Committee members with personal connections to consider meeting with assembly and/or senate

members.

STRATEGIC PLAN ITEMS

2025 Strategic Planning Session

Review minutes and DRAFT suggested revisions to the plan goals and strategies and present to the Board for review.

BUSINESS PLAN ITEMS

Electronic submittals + digital signing of documents.

System database comprehensive upgrade.

Website effectiveness.

21. Future Meeting Dates

BOARD MEETING DATES

Board meetings are typically scheduled for the second Thursday of every other month.

July 16, 2026 — Elko

September 10, 2026 — Las Vegas

November 19, 2026 — Reno

January 14, 2027 — Las Vegas

March 11, 2027 — Reno

May 13, 2027 — Las Vegas

Future NCEES Meetings

NCEES Western Zone Interim Meetings

April 30-May 2, 2026 — Bend, Oregon

NCEES Annual Meetings

August 17-21, 2026 — Henderson, Las Vegas

22. Topics for Future Meetings

23. Public Comment

24. Adjournment