NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS

Regular Board Meeting
September 11, 2025
Las Vegas, NV

1. Meeting Call to Order

2. Pledge of Allegiance

3. Public Comment

4. Introductions

5. NRS 625
Waiver Requests

6. Non-Appearance Applications for Initial Licensure

NVBPELS 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

Civil

CHASE BARNARD (14-420-09)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
08/27/2025

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
10 years, 2 months

Total Engineering Experience
10 years, 2 months

Experience under licensed engineer
9 years, 1 month

Other Experience

Disciplinary Action
None reported

EDUCATION

Bachelors in Civil Engineering (EAC)
University of Nevada, Reno
August 2009–May 2013

Masters in Mining Engineering
University of Nevada, Reno
August 2013–May 2015

EXAMS

Fundamentals of Engineering (FE)
Nevada
April 2013

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

LICENSES

Additional Licenses
None

CHASE BARNARD (14-420-09)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Barrick Gold Corporation
Nevada (United States)
Underground Engineering Intern
June 2014—August 2014

Verified by
Trent William Weatherwax
trent.w.weatherwax@gmail.com

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

TASKS

Engineering Intern
I investigated ground support performance in underground mining environments by analyzing field data and laboratory test results to identify geomechanical risks and validate support system effectiveness. I utilized risk assessment methodologies by evaluating excavation performance, rock mass quality parameters, and operational exposure factors to prioritize rehabilitation activities. I performed quality control testing of ground support materials following ASTM standards and analyzed test data to verify compliance with design specifications. I monitored ground movement using instrumentation systems and interpreted deformation data to assess tunnel stability and support system performance.

REPRESENTATIVE PROJECTS

Underground Engineering Intern (June 2014 - August 2014): Winnemucca, Nevada
I utilized risk mapping procedures for underground tunnels throughout the mine to systematically identify areas requiring rehabilitation based on quantitative assessment criteria invluding drift profile, rockmass quality, operational exposure, and design life. I conducted quality assurance testing on ground support elements including UCS testing of backfill and shotcrete samples collected according to ASTM procedures and pull testing of installed ground support systems to validate load capacity performance. I compiled and compared this data with rockmass quality parameters recorded to identify correlations between frictional resistance of rock bolts in variable ground conditions. I recorded and analyzed cross-drift extensometer data to monitor tunnel convergence rates over time, calculated deformation trends to identify areas of concern, and evaluated support system conformance with design requirements based on measured ground movement patterns.

CHASE BARNARD (14-420-09)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

University of Nevada
Nevada (United States)
Graduate Research Assistant
August 2013—June 2015

Verified by
Raj Kallu
rkallu@unr.edu

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

TASKS

Graduate Research Assistant
I designed and executed research studies to investigate engineering relationships between geotechnical properties and field performance in underground mining environments. I developed testing protocols following ASTM standards and analyzed laboratory data to establish empirical correlations for engineering design applications. I collected field data using geophysical and geotechnical measurement techniques and performed statistical analysis to validate theoretical relationships. I prepared technical reports documenting research findings and recommended practical applications for underground mining geomechanics.

REPRESENTATIVE PROJECTS

Weak Rock Mass in Nevada Gold Mines (August 2013- June 2015): Reno, Nevada
I performed laboratory testing of rock and soil samples collected from multiple underground mines in Nevada using standardized ASTM procedures to develop engineering correlations between rock strength and soil classification parameters. I conducted sieve analysis and Atterberg limit testing on collected samples and calculated statistical relationships between particle size distribution, plasticity characteristics, and mass quality characteristics. I analyzed pull test data from inflatable bolt installations to establish empirical correlations between Rock Mass Rating (RMR) and frictional resistance capacity of ground support systems. I collected RMR data in areas of pull testing and performed regression analysis to develop design correlations for bolt capacity prediction based on rock mass quality. I investigated correlations between shear wave velocity and rock mass quality by collecting refraction microtremor (ReMi) data in active underground mine workings and performed comparative analysis with corresponding RMR measurements to develop geophysical assessment methods for rock mass characterization.

CHASE BARNARD (14-420-09)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Barrick Gold Corporation
Nevada (United States)
Mining Engineer II
August 2015—January 2018

Verified by
Trent Weatherwax
trent.w.weatherwax@gmail.com

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

TASKS

Mine Engineer
I performed rotations in both underground geomechanics and mine planning to develop comprehensive engineering expertise across multiple disciplines. In geomechanics, I conducted comprehensive analysis of underground excavations using 2D limit equilibrium modeling to evaluate stability conditions, calculated appropriate ground support requirements, and performed failure analysis investigations by analyzing root causes such as support corrosion or induced stress conditions and determining mitigation measures. I also designed and implemented quality control testing procedures for geotechnical materials including sieve analysis of backfill samples, UCS testing of shotcrete and backfill specimens, and pull testing protocols for inflatable rock bolt installations. In mine planning, I developed short and mid-range mine designs by integrating geotechnical risk assessments with production requirements and lithologic constraints on mineralization, performed sequence optimization calculations to maximize extraction efficiency, and analyzed mining rate performance data to identify productivity improvements and sequencing enhancements.

REPRESENTATIVE PROJECTS

Turquoise Ridge Mine Engineer I Rotational Program (August 2015 - January 2017): Winnemucca, Nevada
I performed rotations across Rock Mechanics, Short-Range Planning, and Operations to develop integrated engineering expertise in underground mining operations. I designed, implemented, and performed quality control testing procedures for the Rock Mechanics group including sieve analysis of backfill samples to verify gradation specifications, UCS testing protocols for shotcrete and backfill specimens with standardized preparation methods, and pull testing procedures for inflatable rock bolt installations to verify load capacity requirements. I analyzed ore dilution sources within the mining cycle by evaluating geomechanical factors affecting excavation stability and determined mitigation strategies to minimize dilution impacts on ore recovery. I coordinated technical scheduling requirements with various mine groups to ensure adherence to designed mine plans and production targets.

Turquoise Ridge Geomechanics Engineer II Program (January 2017 - January 2018): Winnemucca, Nevada
I performed geomechanical analysis for the implementation of the sill benching mining method including 2D limit equilibrium modeling of planned excavations, calculated stability factors of safety for various excavation geometries, and determined appropriate ground support requirements for this new mining method. I developed empirical design criteria for increased undercut dimensions by analyzing UCS testing data from site-collected backfill samples, calculated strength parameters for various backfill types and curing conditions, and performed stability analysis to determine maximum safe excavation dimensions while maintaining acceptable risk levels. I conducted failure analysis investigations of major ground control incidents by performing detailed field inspections of ground release areas, analyzing root causes including support corrosion and induced stress effects, and provided engineering recommendations for hazard mitigation.

CHASE BARNARD (14-420-09)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Barrick Gold Corporation
Ontario (Canada)
Ground Control EIT
January 2018—February 2019

Verified by
Amanda Michelle Conley
amanda.conley@newmont.com

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

TASKS

Ground Control EIT
I evaluated geomechanical risks to mine planning by analyzing induced stress conditions for short and long-range mining sequences in the underground operation. I designed and implemented geotechnical monitoring programs using seismic systems (IMS), MDT Smart Instrumentation, and Reutech Radar Systems to assess ground stability conditions and interpret deformation data over time. I developed and maintained 3D numerical models using Map3D software to perform stress analysis and identify zones of elevated geomechanical risk within the underground mine workings. I calculated ground support requirements and designed rehabilitation priorities by analyzing geomechanical occurrence data, backfill strength parameters, and historical seismic information integrated into the Deswik mine model.

REPRESENTATIVE PROJECTS

Williams Operating Corporation, Hemlo (2018-2019): Marathon, Ontario, Canada
I performed geomechanical risk assessments for both short and long range mine sequencing by analyzing induced stress conditions, evaluating compatibility with existing ground conditions, and providing technical sign-off for geomechanical input on mine planning decisions. I developed and implemented a quality assurance program for ground support, developing support recommendations based on site-specific rock mass conditions and verifying installation through systematic testing. I created and maintained a 3D Deswik geomechanical database to integrate data on ground conditions, support systems, backfill strength, and seismic events for spatial risk analysis and predictive modeling. I updated mine geometry for the site-wide numerical model using Map3D and conducted stress analyses for identifying high-risk zones, optimizing mining sequences, and designing ground support systems. I implemented a rehabilitation priority system based on geomechanical inspections and risk-ranking criteria. I monitored seismic data, smart instrumentation, and radar systems to assess ground stability, interpret deformation and seismic trends, and determine if appropriate warning thresholds for potential failures in both underground and open pit settings have been met.

CHASE BARNARD (14-420-09)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Golder
Oregon (United States)
Rock Mechanics Engineer
February 2019—March 2021

Verified by
Lorra Duevel
lorra.terry@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

Rock Mechanics Engineer
I performed comprehensive geomechanical characterization of rock masses by analyzing diamond drill hole data and field mapping results to assign rockmass quality ratings using the RMR, GSI, and Q' classification systems for mining applications. I interpreted laboratory testing data including UCS, triaxial, and Brazilian tests to determine rock strength parameters and developed Hoek-Brown failure criteria for various geological domains in open pit and underground mining environments. I designed and executed 2D limit equilibrium analyses using Slide2D to evaluate slope stability conditions and calculated factors of safety for proposed mining excavations. I collected and analyzed geotechnical instrumentation data from multi-point borehole extensometers (MPBX) and cross-drift extensometers to monitor ground movement and stress conditions, then prepared engineering recommendations for ground support systems and slope stability mitigation measures based on numerical analysis results and field observations.

REPRESENTATIVE PROJECTS

Fort Knox Mine (June 2019 - December 2019): Fairbanks, Alaska
I completed site characterization by analyzing geomechanical logging data from diamond drill holes to assign Geological Strength Index (GSI) values to distinct domains within the planned open pit. I interpreted laboratory testing data from UCS, triaxial, and Brazilian tests to determine in-situ rock strength parameters and developed Hoek-Brown failure criteria for each identified geomechanical domain. I applied this characterization data to perform 2D limit equilibrium modeling using Slide2D software to analyze various slope configurations within the open pit. I calculated factors of safety for planned pit walls and identified zones of potential concern based on stability analysis results. I developed engineering recommendations for improving slope stability in areas where potential instability was identified through the numerical analyses.

Bingham Canyon Mine Underground Analysis (February 2020 - June 2020): Salt Lake City, Utah
I performed geomechanical mapping of the tunnel face on advance, documenting structural features, discontinuities, and rockmass quality conditions. I evaluated rockmass conditions using the RMR classification system and calculated appropriate ground support requirements based on observed geomechanical conditions. I collected and analyzed instrumentation data from Multi-Point Borehole Extensometers (MPBX) and cross-drift extensometers to monitor ground movement and deformation patterns. I conducted quality control testing of installed ground support elements through systematic pull testing procedures and documented load capacity results.

Bingham Canyon Mine Open Pit Slope Stability Analysis (February 2019 - May 2019; January 2021 - March 2021): Salt Lake City, Utah
I performed comprehensive 2D limit equilibrium modeling of slopes throughout the open pit using specialized geotechnical software. I assigned rock mass characterization parameters to distinct geological domains within the planned pit slopes based on available geotechnical data. I analyzed slope stability conditions over the projected mine life, modeling sequential excavation phases to identify zones of potential instability and determine the timing of when stability concerns may develop. I calculated factors of safety for various slope configurations and excavation sequences. I compiled analysis results for each analyzed pit section and prepared engineering recommendations for the mine planning team to minimize geotechnical risks to the overall mine plan.

CHASE BARNARD (14-420-09)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

RockEng
Ontario (Canada)
Senior Geomechanics Consultant
March 2021—August 2025

Verified by
Katherine Sarah Kalenchuk
kathy.kalenchuk@rockeng.ca

Experience Summary
Full-Time
Engineering: 4 years, 5 months
Post EAC degree: 4 years, 5 months
Experience under licensed engineer: 4 years, 5 months

TASKS

Senior Geomechanics Consultant
I perform comprehensive geomechanical characterization of rock masses through systematic logging of diamond drill holes, utilizing industry-standard classification systems such as RMR or Q' to assign rockmass quality ratings. I utilize laboratory testing programs including uniaxial, triaxial, and Brazilian tensile strength tests to determine in-situ rock strength parameters for engineering analyses. I develop and apply 2D and 3D numerical models using software such as Slide2D, Slide3D, RS2, and FLAC3D to analyze slope stability, underground excavation stability, and stress distributions in mining environments. I evaluate kinematic stability conditions by analyzing joint set orientations and their potential for creating unstable wedges or blocks, then calculate appropriate ground support requirements and recommend mitigation strategies based on empirical, kinematic, and numerical analysis results.

REPRESENTATIVE PROJECTS

Reyna de Plata Mine Open Pit Slope Stability Analysis (March 2021 - February 2022): Chihuahua, Mexico
For the Reyna de Plata mine I completed geomechanical characteriztion of the rockmass using geomechanical logging of diamond drillholes. I assigned rockmass quality ratings using the Q' classification system and determined intact rock strength parameters by analyzing laboratory test results from uniaxial, triaxial, and Brazilian samples through Hoek-Brown failure envelope curve fitting. I also assigned representative joint sets for the various lithologic domains based on joint orientation data collected through oriented core logging using Dips. I analyzed the spatial distribution of geomechanical data to define distinct geomechanical domains within the planned pit geometry. I developed 2D limit equilibrium models (Slide2D) to evaluate slope stability and calculated factors of safety for various slope configurations. I conducted kinematic analyses using the identified joint sets to determine potential for bench-scale and multi-bench scale instabilities. I compared empirical design approaches with kinematic analysis results to optimize bench geometry and overall slope angles. I prepared engineering recommendations for slope stability mitigation measures based on the integrated analysis results.

Thompson Mine Ventilation Raise Stability Analysis (July 2021 - Decemeber 2021): Thompson, Manitoba, Canada
I performed geomechanical characterization of rock mass conditions within a planned vertical ventilation raise using the Q' classification system by analyzing available drill hole data. I evaluated oriented core logging data using Dips software to identify and characterize joint set orientations and properties within the raise location. I developed kinematic stability analyses using Unwedge software to evaluate potential wedge formations along the raise profile and calculated the geometric and kinematic properties of identified wedges. I applied the QR empirical approach (McCracken and Stacy methodology) to determine ground support requirements and identify zones of elevated risk within the raise. I created 2D limit equilibrium models using RS2 software to analyze potential deformation patterns and stress distributions around the planned excavation. I integrated results from kinematic, empirical, and numerical analyses to develop comprehensive ground support recommendations for different zones within the ventilation raise.

Emili Mine Underground Mind Design (January 2024 - June 2024): Échassières, France
I developed a comprehensive 3D stress analysis model using FLAC3D software to evaluate the prefeasibility-level underground mine design. I assigned appropriate rockmass mechanical properties to the numerical model based on available geotechnical data. I analyzed various mining sequence scenarios to minimize induced stress concentrations within planned extraction areas and evaluated the impact of excavation geometry on overall mine stability. I interpreted numerical modeling results to identify zones of potential concern and developed engineering recommendations for infrastructure placement, including calculated offset distances from high-stress zones, and determined optimal pillar dimensions between excavations based on stress analysis results.

Goliath Mine Underground and Open Pit Design Analysis (February 2022 - February 2023): Northwestern Ontario, Canada

I assigned rockmass quality ratings using the Q' classification system and determined intact rock strength parameters by analyzing laboratory test results from uniaxial, triaxial, and Brazilian samples through Hoek-Brown failure envelope curve fitting. I also assigned representative joint sets for the various lithologic domains based on joint orientation data collected through oriented core logging using Dips. I evaluated crown pillar stability using the Scaled Span empirical approach (Carter) and calculated minimum pillar dimensions for safe mining operations. I developed ground support recommendations based on empirical methods (Potvin and Hadjigeorgiou; Barton) and performed kinematic analyses using Unwedge software to evaluate potential instability mechanisms. I calculated minimum backfill strength requirements using established empirical relationships (Li and Aubertin) for mining adjacent to backfilled areas and determined undercutting parameters for backfill stability (Mitchell). I identified locations requiring additional geotechnical investigation based on planned mining geometry and existing data coverage.

DANIEL BUENDIA (21-811-78)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
08/05/2025

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
3 years, 7 months

Total Engineering Experience
4 years, 1 month

Experience under licensed engineer
1 year, 11 months

Other Experience

Disciplinary Action
None reported

ABET EAC

FE EXAM

PE EXAM

4+

EDUCATION

Bachelors in Civil Engineering (EAC)
Northern Arizona University
August 2018–December 2021

EXAMS

Fundamentals of Engineering (FE)
Nevada
June 2021

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

LICENSES

Additional Licenses
None

WORK EXPERIENCE

Bellagio Hotel
Nevada (United States)
Pool Supervisor
August 2006—March 2009

Verified by

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

DESCRIPTION

WORK EXPERIENCE

Caledonia Spirits
Vermont (United States)
Junior Brewer
August 2009—May 2010

Verified by

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

DESCRIPTION

DANIEL BUENDIA (21-811-78)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Hazendale Farm
Vermont (United States)
Field Manager
May 2010—July 2013

Verified by

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

DESCRIPTION

WORK EXPERIENCE

Leroux Brothers Transmissions
Vermont (United States)
Transmission Repair Technician
July 2013—July 2014

Verified by

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

DESCRIPTION

WORK EXPERIENCE

Old School Builders
Vermont (United States)
Carpenter
May 2013—November 2017

Verified by

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

DESCRIPTION

DANIEL BUENDIA (21-811-78)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Mobile Mechanic
Nevada (United States)
Owner/Operator
July 2014—July 2018

Verified by

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

DESCRIPTION

WORK EXPERIENCE

Westwood Professional Services
Nevada (United States)
Graduate Engineer
June 2021—July 2023

Verified by
Jonathan Poll
jonathan.poll@westwoodps.com

Experience Summary
Full-Time
Engineering: 2 years, 1 month
Post EAC degree: 1 year, 7 months
Experience under licensed engineer: None

TASKS

I would calculate rough watershed areas to provide preliminary storm system sizing during feasibility designs. I designed the layouts for civil utilities, maintaining required separations and cover as well as slope for hydraulic conveyance and minimizing hydraulic hammer. I would layout roadways to maximize potential of lots provided. I would calculate cut/fill balances for grading both during the preliminary stages and final grading designs. I drafted and provided final construction documents for multiple subdivisions. I calculated where backwater prevention valves would be required on sanitary systems as well as pressure reducing valves on domestic water systems.

REPRESENTATIVE PROJECTS

I began drafting other peoples' designs, eventually learning the design and construction standards for the various municipalities we developed in. One of my first projects was entitled Kyle Canyon Gateway West. This was an approximately 51-acre lot located in Northwest Las Vegas. From June 2021 until February 2023, I calculated street slopes and determined drainage zones. To manage street slopes, I utilized the requirements of PROWAG as my initial constraints then honing into driveway approaches and typical lot grading guidelines. To determine the requirements of the drainage system and road conveyance, I employed a simplified rational runoff method taking into account the impermeable surfaces added and the surface types and concentrations. I was required to prove to the municipality that gutters would convey the 10-year storms effectively.

As I grew in my responsibilities, I was handed my own project to manage. My first solo project was titled Cameron-Pyle, located in Southwest Las Vegas. This 20-acre lot was also designated for single-family residential and I worked on this from December 2022 until I left in July 2023. I had to layout roadways and calculate runoff for conformance as in previous tasks, but I also created utility networks for this job. To mitigate utility conflicts, I set the gravity main line slopes to 0.10% above minimum by pipe size and horizontal offsets to minimum requirements as per the development code. From there, I ensured all crossings had 50% more clearance than the minimum requirements as well as 0.5 ft additional clear cover. After that, it was a simple matter of optimizing the conditions for constructability and lowest cost of materials.

A final task that I'd like to highlight was for Inspirada Lot 2-2, for which I designed the walkways for each home. I was constrained by both ICC A117.1 and the HOA covenants for how many steps I was allowed, as well as the existing grading (designed by another engineer on the team). I ensured that as few stairways as possible would require handrails or retaining walls. I used the horizontal distances to reduce any retaining facilities necessary and added ADA-compliant landings where required to reduce the need for handrails. This project was the first time I had created public designs for the contractor and developer to share with potential homeowners. I performed this task for all ensuing projects that required such designs, totaling to 6 in my tenure.

WORK EXPERIENCE

University of Colorado at Boulder
Colorado (United States)
Assistant Engineer
August 2023—July 2025

Verified by
JONATHAN AKINS
jakins@colorado.edu

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

When I began, I offered relief for the senior engineers from project reviews and small project scoping. I gradually grew to be the main contact for structural projects and civil design questions. After serving under the senior civil engineer, I was able to make judgements regarding the capacity of campus roadways to support various vehicles, not limited to crane siting concerns. I would inspect construction progress for conformance with contract documents and most current international building codes (IBC) as approved by the state. Offer engineering judgement for feasibility of proposed projects. Consult with project managers and 3rd party contractors on projects of varying complexity. Scope and design maintenance projects for facilities on the campus. Investigate structural failures or concerns for reporting to various entities. Act as owner representative for construction projects. Act under the building official as the authority having jurisdiction (AHJ) in construction projects. Review contract documents for compliance with IBC and campus standards as well as general feasibility and safety.

REPRESENTATIVE PROJECTS

The largest project I was involved in during my time there was the "Limelight Hotel" in Boulder. This 6-story mid-rise hotel was designed by WATG, I was working for the AHJ as reviewer, inspector, and owner's representative. From September 2023 through July 2025, I worked in all of these capacities in different ways. I would calculate limiting wall heights for composite walls based on manufacturer specifications and in-situ installation. I would make judgments on the firestopping listings provided by the architect and general contractor to determine conformance with the listing agency's intent and the actual installation. I calculated fire flow velocities based on provided flowrates and pipe sizes to ensure conformance with our AHJ standards. I inspected all aspects of building construction from waterproofing foundation walls to supporting suspended ceiling systems. I provided my engineering judgement on many requests for information regarding non-structural wall construction, fire system installation, and firestopping system construction and operation. I attended many ICC trainings and received various certificates to ensure I was informed on my new and interesting aspects of design and construction for this project. I provided these services for all projects that I was involved with for my entire tenure, which ranged from three capital construction projects (Limelight Hotel, Residence One dormitory [Feb 2024-July 2025] and HCC Garage [Aug 2023-July2025]), three wholesale renewal projects (MBE Education Building [Aug 2023-May 2024], Hellems Arts and Sciences [Aug 2023-July 2025], and Newton Court [Feb 2024] - June 2025]), and 500+ minor construction (such as removing/adding a wall or relocating office space).

From my beginning in Aug 2023 to July 2025, I was also tasked with maintaining facility condition indices (FCI) for concrete, asphalt, and earthen construction facilities across campus. I conducted visual inspections of multiple locations each fiscal year. I would install and periodically inspect crack monitors on areas showing excessive movement. From the collected data, I would report to the senior engineers whether I believed there were imminent structural concerns. If so, I would send my reports to a licensed structural engineer to perform more detailed analysis. I was responsible for creating FCI reports for each trade to the deferred maintenance board, who would then provide me with a budget from which to scope and enact the required repairs as I saw fit. I would inspect and report on an earthen dam that had been constructed some time in the late 18th century. I performed visual inspections on the slopes and crest, as well as take measurements of the bypass and spillway flows, when present, to report on the flowrates observed.

I provided engineering judgement on various projects as related to concrete reinforcement work, structural load capacities based on engineered reports, feasibility of projects especially as related to constructability and capacity of civil utilities, and ventilation capacity for conformance with ASHRAE 62.2. I also reviewed all construction documents for the 300+ projects per year, ranging from new hotels, dorm buildings, and chemistry buildings (Chemistry and Applied Sciences from Nov 2023 - July 2025) to adding a doorway. I reviewed these drawings for conformance with IBC, IECC, IFC, and ICC A117.1 codes, as well as all facility standards.

WORK EXPERIENCE

Town of Berthoud
Colorado (United States)
Project Engineer
July 2025—August 2025

Verified by
Keith Knoll
kknoll@berthoud.org

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

TASKS

I am still in the beginning stages of my position within the town. I work under Public Works as the Project Engineer for all Captial Projects. Currently, I am providing engineering judgement to proposed projects including siting recommendations, utility sizing, and project scopes based on reports from geotechnical and structural engineers contracted to investigate the projects. I am also working as the owner representative and project manager for these projects throughout the design and construction process. I do plan review and some inspection for the projects as well.

REPRESENTATIVE PROJECTS

I haven't yet completed any projects with this company, but I am involved in many of the upcoming works. The largest upcoming project is the town arboretum. I have been working with the town forester to select appropriate plantings and irrigation requirements. I am also working with the town Development Engineer to ensure conformance to the master plans and design ultimate conditions for this project that will adequately support the master plan for the area in the interim. I have been reviewing the designs to ensure code and town design and construction standards conformance, stakeholder approval, and compliance with external constraints. I am currently involved in siting and utility scoping for adjacent stakeholders.

I am working on developing a Pavement Condition Index to inform the streets and sidewalks program for which I manage the repairs throughout the town. There are 80 miles of paved ROW that we are responsible for maintaining and I am coordinating with the contractors and designers to maximize the effectiveness of this program utilizing all data available including the PCI that I am developing, citizen input through our GIS team, streets manager input, and my own engineering assessment of the facilities. I am tasked with creating and updating a 5-year management plan to present to the town Board and keep the town Administrator apprised of all planned projects.

Another project I am working on is to allay drainage issues in the town development called Serenity Ridge. There is a unique meteorological condition at this location that induces large volumes of rain independent of the surrounding areas. This causes high-energy flows to scour the inadequate drainage that was installed by homeowners and the developer. I have met with the stakeholders and am working with the design engineers to modify their initial plans to better convey the flows and mitigate the stakeholder concerns that have been raised.

There are many more plans in the future that I will be working on including new parks, new roadways, new outdoor swimming facilities. I look forward to all of these and more as the town grows.

BENJAMIN CROZE (22-153-17)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
08/11/2025

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
3 years, 2 months

Total Engineering Experience
3 years, 2 months

Experience under licensed engineer
3 years, 2 months

Other Experience

Disciplinary Action
None reported

ABET EAC

FE EXAM

PE EXAM

EDUCATION

Bachelors in Biochemical Engineering (EAC)
University of California, Davis
September 2013–June 2017

Masters in Civil Engineering
University of California, Los Angeles
September 2020–December 2022

EXAMS

Fundamentals of Engineering (FE)
California
September 2021

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

LICENSES

Additional Licenses
None

BENJAMIN CROZE (22-153-17)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

University of California Berkeley
California (United States)
Junior Specialist and Lab Manager
July 2017—September 2019

Verified by

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

DESCRIPTION

BENJAMIN CROZE (22-153-17)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

GrowNYC
New York (United States)
Compost Coordinator
October 2019—April 2020

Verified by

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

DESCRIPTION

BENJAMIN CROZE (22-153-17)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

ENGEO
California (United States)
Project Engineer
June 2022—August 2025

Verified by
Seema Barua
sbarua@engeo.com

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

TASKS

I work on a variety of environmental and water resource projects involving water quality, stormwater pollution prevention plans (SWPPPs), Phase I and II Environmental Site Assessments (ESAs), waste discharge requirements (WDRs), asbestos dust mitigation plans (ADMPs), well installations, hydrologic calculations, import assessments, tank removals, landfills, and natural disaster assessments. I have three years of experience with environmental monitoring of surface water, groundwater, soil, and soil-gas. I regularly perform data analysis and technical reporting.

I'm responsible for designing site-specific environmental sample plans and analyses for soil, soil-gas, water (surface and groundwater). I assist in developing options for remediation. I'm responsible for well installation design and approach. I help decide on placement of wells relative to local hydrogeologic conditions. I perform slug testing and data analysis to understand hydraulic conductivities. I select and execute statistical analyses for water quality data. I lead projects on percolation and infiltration testing including choosing depth, location, site-specific testing plans. I perform calculations on percolation/infiltration rates with field data for stormwater basin design. I help design ADMPs for construction sites. I have also performed rational method calculations for stormwater drainage design.

REPRESENTATIVE PROJECTS

Newhall Ranch, Valencia, CA (2022-2025): I perform weekly and monthly water quality testing and analysis. This includes work with groundwater, surface water, stormwater, SWPPPs, WDRs
6000 Jefferson, Culver City, CA (2023-2025): I performed well installation onsite and performed slug testing. I analyzed data to calculate hydraulic conductivity rates for the site.
Loveland Reservoir, Alpine, CA (2023): I provided a hydrologic assessment for runoff at the reservoir. I performed calculations with the rational method to inform stormwater system design and pipe sizing.
Homestead South, Valencia, CA (2024-2025): I reviewed a Low Impact Design Feasibility Report for the site and reviewed infiltration test data to inform stormwater basin design.
A's Ballpark, Las Vegas, NV (2025): I performed environmental soil sampling during demolition.
Valle Verde, Santa Barbara, CA (2024-2025): I performed percolation testing onsite multiple times. I analyzed data using Porchet's method to calculate infiltration and percolation rates across the property.
Phillips 66 Refinery, Carson, CA (2025): I performed geotechnical explorations at the refinery, including CPT and permitting.
Chiquita Canyon Landfill, Valencia, CA (2023-2024): I review ongoing environmental and engineering compliance issues regarding the landfill. I perform groundwater well installations, groundwater sampling, and data review.
IAG Insurance Claims, Auckland, New Zealand (2023-2024): I performed natural disaster assessments for 6 months in New Zealand and used engineering judgement to determine if property damage was a result of a local cyclone.
Google Campus, San Jose, CA (2022-2023): I performed soil, groundwater, and soil-gas sampling at a site with known contamination.
Mission Village, Valencia, CA (2022-2025): I have written 20+ Phase I ESAs for this ongoing project.
Magic Johnson Park, Los Angeles, CA (2024-2025): I performed soil and soil-gas sampling with regulatory oversight. I developed sample plans and analyzed data to recommend remediation approaches.

JOSHUA EDELMAN (20-219-67)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
08/14/2025

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
4 years

Total Engineering Experience
4 years

Experience under licensed engineer
4 years

Disciplinary Action
None reported

EDUCATION

Bachelors in Civil Engineering (EAC)
University of Alabama, Tuscaloosa
August 2016–May 2021

EXAMS

Fundamentals of Engineering (FE)
Alabama
April 2019

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

LICENSES

Additional Licenses
None

JOSHUA EDELMAN (20-219-67)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

RLG, Inc.
Texas (United States)
Project Engineer
June 2021—November 2021

Verified by
Brent Edward Lewis
blewis@rlginc.com

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

TASKS

The extent of my experience with this employer was entry-level engineer for 6 months. I used AutoCAD to manage and develop civil design plans for land development projects, including grading and drainage improvements. I calculated pre-development and post-development drainage flows to support stormwater management design. I performed site-wide roadway grading calculations (Cut/Fill) and ensured compliance with municipal design standards. I reviewed plan sets to confirm alignment with engineering specifications and then revised based on supervisor comments and engineering.

REPRESENTATIVE PROJECTS

This was my first firm. I was designing sites for grading, layout, and drainage for submittal to the Fort Worth Municipal govt.

Since this was a short-term assignment, I will describe one of the few work experiences I had.
On the Southwest corner of Forest Hill Everman Rd. and Oak Grove rd. East in Burleson Texas, there is a property that lies along either side of a flood plain. Initially, I received a survey of land that a developer wished to turn into a neighborhood. I cleaned the survey for what information we needed, and then designed a few different possible layouts for the neighborhood with a main goal of density. I also laid out the main network for sewer and water, with calculations for size and slope of the sewer.
On different projects that did not go as far and were not abutti a flood plain, I would calculate initial peak flow.

JOSHUA EDELMAN (20-219-67)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

City of Las Vegas
Nevada (United States)
Senior Engineering Associate
January 2022—August 2025

Verified by
Lucien Paet
lpaet@lasvegasnevada.gov

Experience Summary
Full-Time
Engineering: 3 years, 7 months
Post EAC degree: 3 years, 7 months
Experience under licensed engineer: 3 years, 7 months

TASKS

Senior Engineering Technician
Public Works – Transportation Engineering Division
Las Vegas, Nevada | January 2022 – June 2022
This was my first role in engineering with the City. I collected and analyzed traffic data—volume counts, turning movements, speed studies—and used that information to support intersection evaluations and traffic studies. I would then organize and use this data to determine if intersection met stop or traffic signal warrants, and write memos based off these.
I also created signage and striping plans using AutoCAD and ArcMap, following MUTCD standards and city templates.

Engineering Associate
Building and Safety
Las Vegas, Nevada | June 2022 – June 2024
I reviewed structural plans for buildings ranging from small tenant improvements to larger commercial projects. I analyzed calculations for lateral and vertical systems—including shear walls, moment frames, and foundations—using IBC, ASCE 7, ACI 318, and NDS codes. I checked framing plans, verified load paths, reviewed connections, and made sure that submitted designs met code and engineering principles.
While in this position, I also served on the IECC Code Change Committee, where I evaluated proposed updates to the energy code. I reviewed the technical justifications behind each proposal and assessed whether the change made sense for adoption in Las Vegas.

Sr. Engineering Associate
Public Works - Development Coordination
Las Vegas, Nevada | June 2024 – Present
I now review civil improvement plans on Land Use Entitlements and Civil Permits to make sure transportation access, circulation, and offsite infrastructure meet the City's standards. I use engineering judgment to evaluate traffic-related elements like driveway locations, throat depths, queue lengths, and overall site layout. What has pushed me the most in my role is representing Public Works at Planning Commission - reviewing entitlements, preparing analysis, and being ready to answer engineering questions from commissioners during public meetings.

REPRESENTATIVE PROJECTS

My role with the city has always been to review changes happening within city limits to verify that they meet city standards and codes. Transportation, Structural, and then a different Transportation department each required projects meeting different standards. However, my responsibility has increased with each position I've been promoted to within the city.

Senior Engineering Technician
Public Works – Transportation Engineering Division

Echelon and Fort Apache – February to May 2022
We received a citizen request for an all-way stop at this intersection near a school. After receiving direction from my supervisor, Eric Meyer, I set out to analyze whether the intersection warranted a four-way stop per the MUTCD. I began with an in-person traffic movement count, including pedestrians. Using this data, I wrote a memo stating that the intersection did not meet four-way or Pedestrian Hybrid Beacon warrants, but I recommended (with sources and supporting data) Rectangular Rapid Flashing Beacons since they have less stringent requirements. I also analyzed crash data at the intersection and finally presented my research to a supervisor for a decision.

Engineering Associate
Building and Safety
In Building and Safety, I reviewed structural projects for code compliance and general life safety. Over the course of two years, I completed 1,158 reviews of varying complexity. These included new doors, fire-damaged trusses, pools, and entire homes. I'll discuss one custom home project as an example:

"PROPOSED MAR... RESIDENCE" in Northern Las Vegas – March to April 2023
This was a one-story, three-bedroom home in Northern Las Vegas. Upon receiving the permit, I familiarized myself with the project through the architectural drawings. I looked at the size of the house and the area of town to identify any location-specific issues, such as seismic risk or wind exposure. I reviewed any special structures — for example, one house had disability supports hanging from the ceiling, requiring additional truss calculations. I then cross-referenced the structural drawings with the architectural ones to ensure there were no extra openings or missing columns. I verified that the submitted calculations included correct roof, live, and lateral loads and that they were properly implemented. I spot-checked key calculations to ensure, for example, that large beams weren't missing point loads visible in the architectural drawings. Finally, I reviewed the foundation loads to ensure no point loads would exceed the reinforced concrete foundation or soil bearing capacity per the Soil Report. In structural, every calculation matters — I started with door reviews under supervision and progressed to confidently managing full home reviews with minimal oversight.

Sr. Engineering Associate
Public Works – Development Coordination

In Development Coordination (DevCo) for Public Works, my responsibilities have significantly increased. My core responsibility is reviewing traffic plans for new and revised sites throughout the city, from individual homes to large Summerlin parcels. The traffic responsibilities are similar to my structural reviews in Building and Safety, but with a broader scope. I also assist through the development and entitlement process before civil submittal. To do this, I review the project in Pre-Application phase to determine which departments need to see it, interpret each departments' comments to draft conditions, and then am prepared to speak on those conditions—or develop new ones—at Planning Commission and City Council. After the entitlement process, I review for traffic-related concerns to ensure compliance with the City's requirements.

Example Entitlement Project: Tonopah &… – December 2024 to Present
This project was originally approved in 2022, but due to a site change, required new entitlements. Our primary concern was that the revised parcel would landlock adjacent parcels. To find a solution, I researched old city records to locate an access easement crossing multiple parcels and had the applicant include it on their plans. I then drafted tentative map conditions to require half-street improvements, drainage study submittals, and ROW compliance. During Planning Commission, I explained why this easement and other deviations from standard were acceptable to commissioners and city staff. After project approval, I reviewed civil plans, corrected their streetlight conduit sizing, street signage, coordinated with staff to locate streetlight services, and ensured easements were labeled correctly per CLV Title 19 standards.

NIVIN JAZRAWI (16-929-63)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
08/19/2025

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree

Total Engineering Experience
8 years, 7 months

Experience under licensed engineer
8 years, 7 months

Disciplinary Action
None reported

FE EXAM

PE EXAM

4+

EDUCATION

Bachelors in Civil Engineering
University of Baghdad
November 1998–October 2002

Masters in Civil Engineering - Structural
Norwich University
August 2011–June 2013

EXAMS

Fundamentals of Engineering (FE)
Illinois PE
April 2019

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

LICENSES

Additional Licenses
None

NIVIN JAZRAWI (16-929-63)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Dukane Precast
Illinois (United States)
AutoCAD Drafter
August 2015—January 2017

Verified by
Donald Scott Dardis
ddardis@dukaneprecast.com

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

TASKS

I reviewed the structural/architectural drawings for buildings intended to be precast/prestressed, along with the elevations drawings prepared by Dukane senior drafters staff and used Auto CAD to draft each unique/typical structural elements to show the final requirements for plant pouring. Submitted the finished pieces to the reviewer. Reviewed, discussed and picked-up the reviewer comments.

Occasionally, I had to interact with the shop representative from the pouring plants to discuss/clarify any misunderstanding about any of the detailed pieces.

REPRESENTATIVE PROJECTS

It has been a long time since I left Dukane Precast, and I do not own a record of projects I worked on or remember the details of progression (except for few projects listed below). I contacted Donald Dardis to hopefully get some information about the projects I worked on, but not sure if this is an option. He is available to verify my employment time with Dukane Precast.

-OCENCO ADDITION located at 10225 82nd Ave, Pleasant Prairie, WI (Sep 2015-Feb-2016) prepared for Riley Construction Company, the Architect was Partners in Design and sealed by Donald S Dardis• The project was designed/checked per IBC, PCI 7th Edition and ACI318. The intention of the project was to investigate the wall panels for structural integrity, adequacy, and stability. The precast walls were load bearing with many supported lateral wind pressure of 20psf. Design considered simple span from floor to roof for wind. Vertical loads placed on panels were considered in the calculation package as well. The design package was prepared for the typical and critical wall panels and floor panels (The worst cases were chosen and investigated to assure satisfactory performance). On this project I mainly prepared the detailed CAD drawings of the wall panels (most of them have openings). Also, this was one of very few projects where I reviewed the calculations package and analysis (covering the hand calculations, diaphragm analysis, computer run analysis for deck/spandrel bearing, joist bearing, deck/beam bearing) and connection verification with final conclusion. I prepared some questions to discuss with my manager at the time. I was introduced to LecWall program used to design the wall panels (just as a step to learn about the software).

-SEDA EXPANSION (March 2016 - unknown) , I do not have a lot of information about this project (exact location is unknown). I prepared the CAD drawings/details of long wall panels (the longest is about 50'-3"), and communicated with the professional reviewer along the life of the project drawings.

-ZILBER- PEWAUKEE, in WI sealed by Donald Dardis (exact location and dates are unknown). I did not work on the drawings of this project, but it was one of the projects I was handed to go over the full calculations package corresponding to the wall panels elevations/pieces' drawings to understand the full process from design to the final shop drawings. The concept of the project and the calculations aspects and design were pretty much like Ocenco Addition project mentioned above.

Other than that and overall, the projects were local within Illinois. I have been into the precast plants in Naperville and Aurora in IL to be exposed to the process of precast/prestress. The projects mainly composed of CAD drawings of tilt up wall panels showing all the details like panel thickness, insulation, steel hardware, steel reinforcing, concrete strength, cross sections at various locations to clarify the details, detailed dimensions, final panel weight, and others.

WORK EXPERIENCE

Simpson Strong-Tie
California (United States)
Associate Design Engineer
April 2017—December 2021

Verified by
Brad Erickson
berickson@mccarthy.com

Experience Summary
Full-Time
Engineering: 4 years, 8 months
Experience under licensed engineer: 4 years, 8 months

TASKS

•Mainly work on the design of Concrete and Masonry structures/elements per the applicable building code like ACI318, TMS, AASHTO (including the Canadian version) in addition to ACI440 guide for strengthening with Fiber Reinforced Polymer “FRP” particularly for seismic upgrade structures in the west coast region. Also, variety of projects all over the USA/Canada due to repurposing the structure or change in occupancy loading or other reasons causing gravity loading increase.
•Review the contract documents to understand the existing structure condition and the target of the strengthening, sometimes more clarifications or information would be required to start the preliminary design process. Communicate the details of the project to the design team and review the calculation/drawings once the design is complete to send off to the client (SEOR/Contractors) as a first run for the project.
•Actively run meetings with Structural Engineers of record (sometimes with architects as well), contractors, and field engineers as needed to discuss the projects and the next steps.
•Deal with the design team daily to manage the team’s workload and technical needs by providing directions to help get the tasks done accurately and in a timely manner.
•Review the final design package (drawings, calculations reports, and take-offs) and perform any adjustments required before sending to seal by licensed engineers.Discuss the project with the licensed engineers as required before sealing. Prepare the final design package myself when needed.
•Provide technical guidance to field engineers/contractors as required by checking the design to accommodate site conditions and obstacles faced during installations process.
•Communicate the major/minor non-conformity report (NCR) to the design team to improve their abilities.
•Simultaneously work on different projects with multiple tasks.
•Calculate wide range of forces: beam&slab shear/flexural/torsion, columns confinements/shear/axial/ combined loading, diaph shear/shear transfer/collectors, wall/shear wall IP/OOP shear or flexure, tensile capacity enhancement, CIP or precast (pre/post-tensioned).

REPRESENTATIVE PROJECTS

Please see below some of the projects I worked on (2017-2020). On each project, I reviewed the original design documents (mainly structural), prelim design, and the calculations package (concrete/Masonry/FRP design) with the final drawings prepared by the design team (I performed/adjusted the calculations/drawings myself when required) to send for sealing then out to the client.

-BART Earthquake Safety Program Fruitvale & Coliseum station, train station in Oakland, CA. Conc. circular & hexagonal columns shear Strengthening.

-Seismic Upgrade 251 South Lake bldg, Pasadena, CA. Conc beams flexural strengthening for seismic.

-Stonestown Galleria bldg Renovation, SF, CA. Conc. two-way slab flexural strengthening.

-2006 Washington bldg, SF,CA. Conc. beams/headers/walls flexural & shear strengthening.

-Community College Gym bldg, San Pablo, CA. Masonry pilasters & bond beams flexural strengthening.

-Macy's Men's Store,120 Stockton, SF, CA. Conc. diaphragm shear transfer/ columns shear strengthening.

-College of the Desert bldg, Palm Desert, CA. Conc. slab shear transfer strengthening.

-Forest View Ave Pool Deck, CA. Conc. pool deck flexural strengthening.

-POH Wharf Beam Torsion/bldg, Port Hueneme, CA. Conc. beams torsion strengthening.

-Humboldt University Library Retrofit, Arcata, CA. Conc. rectangular columns confinement with FRP wrap and anchors.

-Bawk Restaurant, CA. CMU wall flexural strengthening.

-Guild Theater, Menlo Park, CA. Conc. wall shear transfer strengthening.

-1220 E.4th Street Long Beach/bldg, Long Beach, CA. Clay Brick wall shear strengthening.

-Inn @ Cherry Creek bldg, Denver, CO. Conc. columns axial strengthening.

-Redlands Santa Fe train Depot, Redlands, CA. Conc. diaphragm cords/collectors and shear strengthening & Conc. wall shear and flexural strengthening.

-AP Giannini Middle School, SF, CA. Conc. slab collectors' strengthening.

-Green Street/bldg, LA, CA. Conc. columns seismic shear strengthening.

-Sports Center Addition - Redondo Beach,CA. Conc. slab strengthening with FRP and NSM (Near-Surface Mounted).

-Penn State University renovation multiple phases, University Park, PA. Conc. waffle/flat slab flexural strengthening.

-Swissotel/bldg, Chicago, IL. Conc. slab flexural strengthening.

-VA Garage Beam Repair/park gar, Salt Lake City, UT. Prestressed conc. beams flexural strengthening.

-Edwinton Brewing Corp/bldg, Bismarck, ND. Conc. cracked wall shear and tension capacity strengthened with bi-directional FRP.

-Snowmass Village Buildings 7 & 8, CO. Conc. columns combined axial and bending strengthening.

-Wonder Building Slab, Spokane, WA. Conc. tow-way slab flexural strengthening.

-Jewish Colorado/bldg, Denver, CO. Prestressed conc. beams flexural and shear strengthening.

-GA Judicial Building, Atlanta, GA. Prestressed girders flexural strengthening.

-Madison Phase B Adaptive Reuse/bldg, Phoenix, AZ. Conc. beams, slab,and columns, flexural, shear, and axial strengthening.

-27th & Gillham Parking Garage, Kansas City, MO. Conc. slab strengthening by enhance the continuity of chords with FRP.

-South Beach IV Condominium, Clearwater, FL. Conc. rectangular column axial strengthening.

-De La Salle High School Athletic Center, Concord, CA. Conc.T-beams shear transfer strengthening with bi-directional FRP.

-I-84; MP 4 to MP 18 Bridge Preservation, Box Elder County, UT. Conc. bent cap and columns shear strengthening.

-1700 E Over 1-80 Girder/brg, Salt Lake City, UT and Boeing Access Road/brg, Tukwila, WA. Conc. girder shear/flexural strengthening.

-TXDOT SH183 Bridge Repairs, Dallas, TX. Conc. bent cap flexural/shear strengthening.

-Ameritek Corp Building, Everett, WA. Masonry shear wall strengthening to meet the code requirements of special shear wall.

-WE Energies Explosion Vents/bldg, Milwaukee, WI. CMU wall flexural strengthening.

-Workday Atlanta/bldg, Atlanta, GA. Concrete T-beams joists flexural strengthening.

-180 E.Pearson stair/bldg, Chicago, IL. Increase the tensile capacity of the conc. slab due to new slab connection to an old slab.

-Truman Library Joists, Independence, MO. Conc. Joists shear strengthening.

-TCC Metro Campus Bookstore,Tulsa, OK. Increase the tensile capacity of conc. wall due to new opening.

-IL 96 over Mill Creek/brg, IL. Conc. beams shear repair/strengthening.

-Redfield Building Renovation, Omaha, NE. Conc. slab tensile strengthening.

-National Music Museum-Univ. of SD, Vermillion, SD. Conc. slab flexural (negative and positive moment) strengthening.

-UT-IR-Bi-Plane #6/bldg, Knoxville,TN. Conc. joists shear and positive moment strengthening.

-SeaTac North Satellite Terminal/bldg, Seattle, WA. Diaphragm shear, tensile, shear transfer strengthening.

-ST.Francis healthcare/bldg, Honolulu, HI. Enhance the shear capacity of conc. shear wall.

-Brookdale Senior Living, Vernon Hills, IL. Prestressed Hollow core planks positive moment strengthening.

-More projects mostly in 2020-2021 within US and Canada: Entrada Wing Wall, 3559 Eglinton Ave, Zuilt Seismic Retrofit in Chile, Campanile Vertical Expansion, St Mary's University HABC, Trump Hotel in HI for roof inverted T-beams strenghtening, Salles HS Gym Retrofit and Hotel Grim in TX, and more.

WORK EXPERIENCE

Thornton Tomasetti
Illinois (United States)
Senior Engineer
February 2022—August 2024

Verified by
Matthew Vincent Thomas
MThomas@thorntontomasetti.com

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

TASKS

-Perform calculations for variety of structural members undergo gravity and/or lateral loads "seismic (SFRS/non-structural components) and wind (MWFRS/C&C)" using either hand calculations, MathCAD, and/or Excel.
-Revit modeling on multiple phases of different projects.
-Structural modeling of projects using different software like SAP, ETABS, RAM SS, Risa, Inercalc, and others.
-Attend Design Charrette for few projects.
-Communicate with projects' team members on the required tasks and discuss as necessary.
-Interact with the clients as needed.
-Actively use all applicable building codes for different materials like ASCE, IBC, ACI, AISC, NDS, TMS, and others.
-Review the contactors' shop drawings and connections' loading/calculations for multiple projects.
-Design steel base plates per PROFIS Engineering for multiple projects.
- Check the adequacy of couple of existing structures to withstand the imposed loads, by reviewing the structural as-built drawings and building 3D models. Like the case of an abandoned building in WI for a forensics project, and O'Hare Airport Terminal 1 renovation in Chicago, IL.

REPRESENTATIVE PROJECTS

Please see below projects I was part of, some of the required details are missing, as I do not own a record of the projects I worked on while at Thornton Tomasetti (TT).

•Little River, at 7737 NE 2nd Ave. Miami, FL. (March 2024-2024). The Arch. was O'Donnell Dannwolf & Partners. TT was the Peer Review for the structural design performed by McNamara Salvia Eng.. The project was a mix use residential 12 story concrete building with post-tensioning (PT) floors. The lateral system was concrete shear walls. I analyzed the gravity system only for the 2nd PT floor using RAM Concept, and compared the flexural/shear reinforcement recommended by analysis to the proposed design. For some critical locations, I manually calculated the flexural/shear reinforcement per ACI318. I checked the deflection criteria in RAM concept and examined multiple load cases to clarify the used load versus the acceptable load to meet the deflection limitation. I summarized the comments/references to clarify the results (TT) recommended.

•P-294 East Hub Security Improvements for Universal Studios + City walk Hollywood in CA (July 2023-2024). The Arch. was Gensler, TT was the SEOR. The East Hub included the design of a new one-story security facility which comprises a steel framing supporting bent steel deck (peaks and valleys) by radial layout of columns, where OMF was used as LFRS. In addition, two new small RC Masonry auxiliary facilities and new steel pedestrian bridge. I modeled all facilities and the bridge in SAP/Risa (for lateral system seismic/wind) and RAM SS (for gravity system) to get the initial members' sizes and structural design details. For the bridge, and due to the mix of X-braced frame (OCBF) + Intermediate moment frame (IMF), I analyzed it for torsional irregularity, as a result, I updated SAP to count for the extreme torsional irregularity penalties per ASCE 7, I designed the WAF-W connection for the IMF and the stability bracing per AISC seismic. I designed the spread footing for the security hub and initiated the footing design for the bridge (all by Enercalc). I checked the wind Vs. seismic load drift for the bridge and the security hub. I prepared the calculation package and updated the Revit model per the most current design for each phase of the project.

•Amazon-Austin, in TX (mostly 2023-2024), exact location is unknown. TT was the SEOR for the modifications on different floors of the existing building (new floor openings, new stairs, and others), I do not recall the main framing, I was involved in the project in the Construction Administration phase. I reviewed the structural modeling, calculations, drawings and the full design set (all disciplines, as required) to reply to RFIs, submittal, transmittal and I provided new calculation/sketches when needed. I designed a new internal timber stud wall per TMS. The wall was an aesthetic load bearing acting as a barrier in a new meeting space on level 13 (designed the worst case stud as simply supported beam-column with toe nail connections to the top/bottom plates).

•Central Hall TREX for Spokane International Airport in WA (2023-2025). The Arch. was Alliiance, TT was the SEOR on this new

construction three levels project. It was a steel frame annex adjacent to an existing structures for the airport. I built RAM SS model to confirm the selected structural framing for gravity loading and analyze their adequacy for deflection criteria.

•New Rest Area on south Lake Shore Drive in Chicago, IL (2022-2023), exact location is unknown. Single story rectangle concrete structure with sloped/tapered cantilevered roof (irregular cross section to form a valley at mid cross section). I considered multiple sections at the back-span to calculate the centroid, moment of inertia, and area of each section using AutoCAD, I calculated the deflection at each section (using I eff.) to check the adequacy of the proposed roof thickness. I manually designed the roof flexural reinforcement (positive/negative) by strain compatibility. I modeled the majority of Revit work on this project.

•Other projects (mainly in 2022) like 210 N Peoria, W Fulton st, CHI 11 for Microsoft date center, all in Chicago, IL and others. I calculated the existing members' capacity (timber columns/masonry walls), new members' design, connections design. Built a new/updated ETABS/RAM SS/Revit models.

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
November 2002	July 2011	Due to political issues in my origin country/Iraq which took a while to settle, I joined the Ministry of Water Resources as a Civil Engineer 2006-2009. Moved to US in Nov 2009, jointed Versant Supply Chain in 2010, started my Master degree in March 2011
July 2013	July 2015	Post graduation in June 2013, I was seeking opportunities related to my Engineering field while working for a logistics company at the time (Versant Supply Chain), untill the first opportunity was with Dukane Precast.
September 2024	July 2025	Left Thornton Tomasetti with intention to join another consulting company for new buildings' design, many positions were posted, but things didn't work as was expected. Still in process to hopfully landing a new opportunity.

CREDENTIALS EVALUATION

Jazrawi, Nivin
(16-929-63)

DEGREES EVALUATED

Institution/Degree	Country	Language	Courses
University of Baghdad / Bachelors in Civil Engineering 11/01/1998 — 10/01/2002	Iraq	English	34
Norwich University / Masters in Civil Engineering - Structural 08/01/2011 — 06/01/2013	United States	English	None

COMPARABILITY SUMMARY

Outcome: Not Equivalent

Area	Hours	Deficiency
Math/Science	32 / 32	Missing 2 of 3 (Biology, Chemistry, Physics)
Engineering	66 / 48	None
General Education	12 / 16	Missing 4 hours
Elective/Other	43 / N/A	None

SPECIAL NOTE

The NCEES Engineering Education Standard requires at least two courses must be in basic sciences. These courses must be in general chemistry, general calculus-based physics, or general biological sciences; the two courses may not be in the same area.

The NCEES Engineering Education Standard requires 16 college semester credit hours in general education that complement the technical content of the curriculum. Courses that instill cultural values are acceptable, while routine exercises of personal craft are not.

MATH/SCIENCE

Specified Criteria Hours: 32

Course	Institution/Degree	U.S. Credits
Calculus I	University of Baghdad / Bachelors in Civil Engineering	6.0
Calculus II	University of Baghdad / Bachelors in Civil Engineering	6.0
Engineering Geology	University of Baghdad / Bachelors in Civil Engineering	3.0
Engineering Mechanics	University of Baghdad / Bachelors in Civil Engineering	6.0
Fluid Mechanics	University of Baghdad / Bachelors in Civil Engineering	5.0
Numerical Methods	University of Baghdad / Bachelors in Civil Engineering	4.0
Probability & Statistics	University of Baghdad / Bachelors in Civil Engineering	2.0
	Total semester credit hours earned:	**32.0**

ENGINEERING

Specified Criteria Hours: 48

Course	Institution/Degree	U.S. Credits
Foundation Engineering	University of Baghdad / Bachelors in Civil Engineering	6.0
Hydraulic Structures	University of Baghdad / Bachelors in Civil Engineering	4.0
Hydrology	University of Baghdad / Bachelors in Civil Engineering	4.0
Irrigation Engineering	University of Baghdad / Bachelors in Civil Engineering	4.0
Mechanics of Materials	University of Baghdad / Bachelors in Civil Engineering	6.0
Project	University of Baghdad / Bachelors in Civil Engineering	4.0
Reinforced Concrete I	University of Baghdad / Bachelors in Civil Engineering	6.0
Reinforced Concrete II	University of Baghdad / Bachelors in Civil Engineering	4.0
Sanitary Engineering	University of Baghdad / Bachelors in Civil Engineering	6.0
Soil Mechanics	University of Baghdad / Bachelors in Civil Engineering	5.0
Steel Design	University of Baghdad / Bachelors in Civil Engineering	4.0
Theory of Structures	University of Baghdad / Bachelors in Civil Engineering	6.0
Traffic Engineering	University of Baghdad / Bachelors in Civil Engineering	2.0
Transportation Engineering	University of Baghdad / Bachelors in Civil Engineering	5.0
	Total semester credit hours earned:	**66.0**

GENERAL EDUCATION

Specified Criteria Hours: 16

Course	Institution/Degree	U.S. Credits
National Studies I	University of Baghdad / Bachelors in Civil Engineering	4.0
National Studies II	University of Baghdad / Bachelors in Civil Engineering	4.0
National Studies III	University of Baghdad / Bachelors in Civil Engineering	4.0
	Total semester credit hours earned:	**12.0**

ELECTIVE/OTHER

Specified Criteria Hours: N/A

Course	Institution/Degree	U.S. Credits
Building Construction	University of Baghdad / Bachelors in Civil Engineering	3.0
Building Materials	University of Baghdad / Bachelors in Civil Engineering	5.0
Computer Programming I	University of Baghdad / Bachelors in Civil Engineering	4.0
Computer Programming II	University of Baghdad / Bachelors in Civil Engineering	4.0
Concrete Technology	University of Baghdad / Bachelors in Civil Engineering	6.0
Engineering Drawing	University of Baghdad / Bachelors in Civil Engineering	4.0
Engineering Economics	University of Baghdad / Bachelors in Civil Engineering	4.0
Quantity Surveying & Estimation	University of Baghdad / Bachelors in Civil Engineering	4.0
Surveying	University of Baghdad / Bachelors in Civil Engineering	6.0
Workshop	University of Baghdad / Bachelors in Civil Engineering	3.0
	Total semester credit hours earned:	**43.0**

Total Semester Credit Hours Earned: 153

PROCESS DESCRIPTION

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

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

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

THI NGUYEN-SCHNEIDER (20-026-32)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
08/25/2025

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
5 years, 7 months

Total Engineering Experience
5 years, 7 months

Experience under licensed engineer
5 years, 7 months

Disciplinary Action
None reported

EDUCATION

Non-degree
University of Alaska Anchorage
September 2015–July 2016

Bachelors in Civil Engineering (EAC)
Washington State University
January 2017–May 2019

EXAMS

Fundamentals of Engineering (FE)
Washington
May 2019

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

LICENSES

Additional Licenses
None

THI NGUYEN-SCHNEIDER (20-026-32)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Kimley-Horn
Nevada (United States)
Civil Analyst
November 2019—June 2021

Verified by
Marianna Hunnicutt
marianna.hunnicutt@kimley-horn.com

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

TASKS

I was a part of the land development team during my time at Kimley-Horn as a Civil Analysts. Starting out I designed a couple of the parking lots used for Allegiant Stadium during events. After this effort to complete designs for Allegiant Stadium I worked on other commercial and industrial properties designing water, sewer, and storm drain systems using Civil 3D Pipe Networks. I predominantly gained experience working in Clark County, City of Las Vegas, North Las Vegas, Summerlin, and Henderson all in Nevada, but also worked on a project for Amazon in Honolulu, Hawaii. All of these locations had their own standard specs and requirements which had to be considered for horizontal layout and utilities. Throughout my time I revised drawings per city and project manager redlines for submittals. Performed hand changes on mylars for submittal, revision, permitting, and issued for construction plan sets. Inspect and record site conditions prior and during design phase. Coordinate with city and utility agencies to obtain record drawings, submit permit applications, and complete submittals. I designed demolition, grading, horizontal control, utility, storm drain, cross sections, and detail sheets for commercial and industrial projects of various sizes.

REPRESENTATIVE PROJECTS

Multiple Allegiant Stadium Parking Lots - City of Las Vegas, NV -- November 2019 - April 2020
I went through multiple iterations of parking layout in order to maximize the parking stalls available while adhering to County spacing standards. Once finalized, I designed demolition, horizontal control, and grading plans according to the various site needs.

Honey-Bee RV Storage ~18 Acers - City of Las Vegas, NV -- January 2020 - November 2020
I graded the entire site to utilize surface flow to manage storm water. I laid out the storage units by standard offsets and AutoTurn software to ensure additional clearances needed for the large vehicles navigating the site.

Kroger Distribution Center ~100 Acers - City of North Las Vegas, NV -- January 2021 - June 2021
I was responsible for completing a project due diligence memo for the client, so they were aware of the site conditions. I finalized the site plan so that it was in accordance with city requirements and designed the potable water, fire water, and sewer system for the site. Once the initial layout was approved for the water and sewer system, I put them into Civil 3D Pipe Networks in order to calculate crossings, slopes, and inverts. I was in charge of setting up the civil improvement plans and making edits to the design based on redline comments received from the agencies, city, or project manager.

THI NGUYEN-SCHNEIDER (20-026-32)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Wood Rodgers
Nevada (United States)
Assistant Engineer
August 2021—November 2022

Verified by
Jesse Patchett
jpatchett@pdg-nv.com

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

TASKS

While at Wood Rodgers I was an Assistant Engineer in the land development team although I was able to work on hydraulic reports and was given more responsibility for completing all aspects of projects assigned to me. I analyzed watershed and existing drainage facilities to prepare hydraulic report of project site. Hydraulic report was made utilizing HEC-RAS system for flood analysis and Bently WaterCAD for culvert and channel analysis. Assessed site conditions by reviewing as-built drawings, survey data, and conducting site visits. Coordinated with county, utility agencies, and client representatives to ensure project met all required specs while trying to optimize the site for client/end user use. Set up plan sheets to meet preferred and standard layout requirements of county to provide ease of review and minimize clutter. Utilized Civil 3D and water analysis software to design grading plan of project and optimize utility layout to ensure adequate pressure for fire department and building connections. I worked on various different project types including a single plot residential, large residential planning for townhomes ~100 units, small residential plots ~ 10 homes, industrial multi-tenant, roadway layout for part of a master plan development, and on-base military building.

REPRESENTATIVE PROJECTS

Tropical & Shatz Multi-Tenant Industrial Use Building ~20 Acre property located in unincorporated Clark County, NV near North Las Vegas -- August 2021 - November 2022
I calculated all the hydraulics for the hydraulic/drainage study for this site which required a major watershed analysis. I also prepared and designed the land development plans (grading, utilities, roadway, section views, and details) predominantly by myself but under mentorship from my Project Manager. I was allowed to be a part of key design decisions for the project and designed a unique culvert system to channel onsite drainage water into the closed city drainage system.

Mello Avenue Multi-Plot Residential Single-Family Homes property located in North Las Vegas, NV -- May 2021 - November 2022
I graded the entire site utilizing only surface flow drainage throughout the lot to minimize storm drainage costs for the developer. I also designed the water and sewer connections for the developer properties and the partially completed offsite utilities per city requirement and request.

Creech Air Force Base New Building for Military Use located in Indian Springs, NV -- February 2022 - October 2022
I performed site visit to verify existing utilities since photos of the site were strictly enforced and monitored. Prepared and graded site to utilize mostly sheet flow and surface drainage in order to minimize cost.

THI NGUYEN-SCHNEIDER (20-026-32)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Albemarle Corporation
Nevada (United States)
Civil Engineer
November 2022—January 2024

Verified by
Wesley Todd Leedy
sleedy@kleinfelder.com

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

TASKS

I joined Albemarle Corporation as a Civil Engineer for their Operations team. This position included review of external consultants and identifying onsite issues and preparing exhibits for internal construction needs for the company's mine located in Silver Peak, Nevada. The lithium mine extracted ground water and circulated them through various detention ponds before extracting the lithium.
I was responsible for reviewing plans for site improvements prepared by other engineering firms to ensure plans are ready for construction and all company needs are met with the design proposed. Facilitated and attended meetings held between the design engineers, county, and Albemarle Corporation to further design. Performed site visits during construction to track progress and report any insufficiencies during construction. Reached out and met with vendors to better map existing conditions of the site which posed serious cost and travel challenges due to isolated site location. Set up program for future use on how to track and evaluate site resources.

REPRESENTATIVE PROJECTS

Facility Housing Units ~16 Housing Units on ~3Acers
Silver Peak, unincorporated Esmeralda County NV -- January 2023 - January 2024

I guided the design of the water and sewer system for the company housing facilities and plot layouts for the housing units utilizing surface grading and channels to convey the water away from the housing units. I also laid out the interior space of these units for better functionality and performed multiple site visits to QC the housing units being fabricated in Sulphur, Louisiana and Durango, Colorado to ensure company needs were being met. I took photos of the units for the rest of the team to review key components such as, plumbing, electrical, fixtures, and finishings.

Although a small project in terms of actual footprint it was a huge improvement for the employee housing at the mine location which will have lasting impacts for future miners at this site. For this project my prior experience with land development in residential was invaluable. Since this site was considered a mine, the company was required to use engineering design firms that were registered to work on mines. The engineering consultant we had to use were experienced on engineering design principals for mines but, they were not familiar with how to layout a small plot for housing.

Site Improvements and Rehabilitation, Internal Operations
Silver Peak, unincorporated Esmeralda County NV --
December 2022 - January 2024
I secured a subcontractor to perform underwater surveying of the pond facilities in order for the mine to calculate the potential output of their pond facilities. I also brought another subcontractor on board to perform satellite survey and imaging of the mine for future construction uses without the need for drones or aerial flights.
I analyzed areas of flooding concerns around the mine and identified ways to mitigate potential risks of flooding during heavy rainstorms or reducing failures of the detention basins. Analysis was done utilizing satellite survey data and identifying watersheds in the area contributing to the flooding. The embankments around the basins were built up significantly over the years which had high potential for not only seepage but complete blow outs which could be a huge loss of material for the site. For the embankment issues the pond volumes were utilized to determine potential damage and loss to the site. I performed site visits and provided exhibits to submit to the management team for their review and decision on when to move forward with any fixes.

THI NGUYEN-SCHNEIDER (20-026-32)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Flatiron Dragados
Washington (United States)
Drainage Engineer
January 2024—August 2025

Verified by
Bryan Allen Clark
Bclark4285@gmail.com

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

TASKS

As a Drainage Engineer at FlatironDragados I'm responsible for 60% of the drainage on the entire project while working with a Drainage Superintendent for construction expertise. The other 40% of the drainage is divided under other engineers on the project.

My responsibilities mainly consist of reviewing construction plans for any errors or construction concerns which need to be clarified or corrected by the Engineer of Record (EOR). I work closely with the EOR to ensure new designs or re-designs maintain as much of the previously installed infrastructure as possible. This not only saves rework for the construction team but also helps keep the overall project on schedule. I prepare reports based on field notes and progress to identify areas of concern, ensure materials are on hand, and completeness of work zones. I also work with the environmental team to prepare temporary drainage plans to minimize erosion and water runoff.

Additional tasks include supporting the construction team. If the field team identifies any issue in the design, I report out to the field or ask them to gather photos so that the problem can be visualized and understood so the issue may be clarified to continue working or I can elevate it to an RFI to the EOR. I will work with the EOR through the entire RFI to get the best turnaround on an answer for the field team to proceed with work.

REPRESENTATIVE PROJECTS

I-405/Renton to Bellevue Widening and Express Toll Lanes ~15 Miles is located between Tukwila, WA to Bellevue, WA -- January 2024 - Current
This is the only project I've worked on as part of my employment at FlatironDragados.
Tasks specific to myself is site wide management of the drainage scope of the project and ensuring drainage crews are working as efficiently to complete main project objectives to meet deadlines. I prepare report documents to summarize the total scope complete and what is remaining defining the items down to location on the site and even the size and materials of structures remaining. I plan the drainage work during weekend closures of the highway and estimate time frame of work to ensure we are meeting the hour-by-hour schedule to open the highway on time. During the closures I will go out to the teams to provide any additional clarification or information that is needed at that time.

DEREK SCHIKORA (15-319-48)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
08/25/2025

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
10 years, 4 months

Total Engineering Experience
10 years, 4 months

Experience under licensed engineer
8 years, 9 months

Other Experience

Disciplinary Action
None reported

EDUCATION

Bachelors in Civil Engineering (EAC)
University of California, Davis
September 2009–September 2014

Masters in Civil and Environmental Engineering
University of California, Berkeley
September 2021–May 2022

EXAMS

Fundamentals of Engineering (FE)
California
October 2014

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

LICENSES

Additional Licenses
None

WORK EXPERIENCE

ACCO Engineered Systems
California (United States)
CAD Technician
October 2014—April 2015

Verified by

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

DESCRIPTION

DEREK SCHIKORA (15-319-48)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

ENGEO, Inc.
California (United States)
Project Engineer
April 2015—August 2025

Verified by
Ian David McCreery
imccreery@engeo.com

Experience Summary
Full-Time
Engineering: 10 years, 4 months
Post EAC degree: 10 years, 4 months
Experience under licensed engineer: 8 years, 9 months

TASKS

While at ENGEO Incorporated, I have held the position of Field, Staff, and Project Engineer practicing in the geotechnical engineering field. Throughout my employment, I have performed a wide range of engineering tasks and duties. These tasks include, but are not limited to, performing analysis, writing reports that identify hazards and provide recommendations for earthwork, foundations, and ground improvement (as appropriate), providing recommendations in the field during construction activities, and determining if construction activities were performed in accordance with the project plans and specifications.

As a field engineer, my work primarily involved on-site construction testing and observation. The work varied greatly from in-place moisture-density testing, concrete sampling, retaining wall construction, pier drilling observation, and building monitoring. These tasks required me to provide recommendations in the field related to construction issues encountered, unknown conditions, and new project constraints. The experience I gained through field work would help inform decisions I would make in design and project management.

In staff and project engineering roles, my work has focused on geotechnical and geologic hazard analysis during subsurface investigations. Static calculations included bearing capacity assessments for shallow foundations, settlement evaluations, earth pressure analysis for retaining walls, and uplift force determination for structures beneath the groundwater table. Stability evaluations for levees involved calculating safety factors under static, seismic, and rapid drawdown conditions. Seismic calculations included liquefaction triggering assessments using borings, CPTs, laboratory data, and geologic context. I performed the above analysis and calculations using software such as Cliq, CPeT-IT, LiqVs, Settle3D, SEEP/w, Slide2, APile, and LPile, alongside spreadsheet computations following FHWA, NAVFAC, AASHTO, and Caltrans guidelines.

REPRESENTATIVE PROJECTS

Project: Rohnert Park University District
Location: Rohnert Park, CA
Duration: 2015 - 2017
The University District Land Development project is a master-planned residential development in Rohnert Park, California. The project includes construction of 4,350 residential homes (single-family homes and apartments), commercial space, vehicular and pedestrian bridges, roadways, utility improvements, and parks. I tested the density of the earthwork during grading and utility improvements. I provided recommendations in the field based on observations and conditions encountered during construction.

Project: Treasure Island Major Phase 1, Subphases 1B, 1C, 1E
Location: San Francisco, CA
Duration: 2017–2021
This project involved geotechnical mitigation for a master plan residential development using vibrocompaction, wick drains with surcharge, and deep soil mixing (DSM). I reviewed field logs, CPT soundings, and laboratory results to verify compliance with the design requirements. I analyzed CPT data to calculate post-improvement settlements under seismic conditions. I collected soil samples and performed laboratory tests to determine fines content and confirm design compliance. For surcharge, I verified wick installation depths and calculated the consolidation achieved based on settlement monitoring data.

Project: Center for Elder's Independence - San Pablo
Location: San Pablo, CA
Duration: 2022 - 2024
CEI - San Pablo was a building retrofit and expansion project in San Pablo, CA. The project was focused on converting an existing structure into a elder care facility. I evaluated the existing structure and determined the suitability of the surrounding area for the proposed building expansion and associated improvements. I calculated the bearing capacity of the existing and future

building footings. I calculated the slope stability of the creek side slope under static and seismic loading, and liquefaction and consolidation settlements.

Project: Pier 80 Subsidence Study
Location: San Francisco, CA
Duration: 2023 - 2024
The Pier 80 subsidence study was a geotechnical investigation of the subsurface conditions at Pier 80 in San Francisco, CA. The eastern half of the pier underwent significant settlement over the course of its lifespan due to the massive fills placed along the shoreline to build the pier. I calculated the degree of consolidation of the compressible clays and future consolidation settlements of the pier based on different proposed solutions. I also assisted in the design of the lightweight fill compensation loading for the proposed solution.

Project: Interim Stadium for ORSSC
Location: Oakland, CA
Duration: 2022 - 2024
Land development project for a temporary stadium including slope stability analysis, load compensation calculations, pier foundation analysis, and consolidation settlement calculations. I calculated the liquefaction settlements and consolidation settlements, pier depths, and slope stability of the creek side improvements.

Project: Bay Walk Phase 1
Location: Pittsburg, CA
Duration: 2023 - 2024
Land development project consisting of 700 single-family homes, open space parks, and associated improvements. I calculated the expected consolidation and secondary settlements of highly sensitive soil, liquefaction settlements, and designed the surcharge program to mitigate the expected settlements due to the proposed development.

Project: Regional Sea Level Rise Mitigation Alternative and North Base Erosion Control Feasibility Analysis
Location: South San Francisco, CA
Duration: 2023 - Current
Design of a levee and flood barrier system for a long-term solution to sea level rise and provide design of short-term shoreline erosion control. I calculated the consolidation settlements and slope stability of the various design alternatives for the proposed sea level rise protection including; levees, sea walls, and flood gates.

ALI ZALGHOUT (19-846-39)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
08/26/2025

Citizenship
Lebanon

SUMMARY

Engineering Experience after EAC degree
5 years, 10 months

Total Engineering Experience
5 years, 10 months

Experience under licensed engineer
5 years, 10 months

Disciplinary Action
None reported

ABET EAC

FE EXAM

PE EXAM

4+

EDUCATION

Bachelors in Civil Engineering (EAC)
American University of Beirut
September 2013–June 2017

Masters in Civil, Environmental & Sustainable Engineering
Arizona State University
August 2017–August 2019

EXAMS

Fundamentals of Engineering (FE)
California
September 2022

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

REFERENCES

Nick Mazzenga P.E.
nick.mazzenga@kimley-horn.com | (703) 346-0676

Ashley Anne Varni P.E.
avarni@smithemery.com | (949) 322-3133

Scott Harrison Ward P.E.
shw2117@gmail.com | (949) 302-9865

Zachary Thayne Tait P.E.
zachary.tait@kimley-horn.com | (928) 607-3168

Timothy Daniel Miller P.E.
timothy.miller@kimley-horn.com | (916) 571-1015

LICENSES

Additional Licenses
None

WORK EXPERIENCE

GMU Engineers and Geologists
(Previously GMU Geotechnical, Inc.)
California (United States)
Pavement Engineer
August 2019—January 2024

Verified by
Ashley Anne Varni
avarni@smithemery.com

Experience Summary
Full-Time
Engineering: 4 years, 5 months
Post EAC degree: 4 years, 5 months
Experience under licensed engineer: 4 years, 5 months

TASKS

As part of my engineering responsibilities, I performed design for roadway rehabilitation projects with a focus on pavement engineering and associated civil improvements. My tasks included conducting field data collection, soil sampling, and coordinating laboratory testing in accordance with ASTM, AASHTO, and Caltrans standards to support design recommendations. I performed pavement design using the AASHTO design procedures and structural analysis methods.

I developed design documents including plans, specifications, and estimates (PS&E) for both public and private sector roadway projects. I also contributed to drainage design and improvements. I participated in the bidding process by preparing bid tabs and responding to contractor RFIs.

During construction, I supported the engineering team with construction management duties, including site observation, material testing, and documentation to ensure conformance with design documents. I tracked construction costs and quantities to support change order review and budget adherence.

REPRESENTATIVE PROJECTS

My engineering experience includes progressive responsibility in pavement design, rehabilitation planning, and construction management for public and private Capital Improvement Projects (CIPs). I have consistently led technical evaluations, applied pavement design procedures, prepared PS&E packages, and supported project implementation through construction oversight.

City of Newport Beach – Balboa Boulevard Pavement Evaluation and Rehabilitation Design
I led the evaluation and design of this key corridor as part of the City's CIP. My responsibilities included surface condition assessments, selecting pavement coring locations, and coordinating traffic control. I reviewed field cores and laboratory test results (R-Value, maximum density, Atterberg limits, sulfate content), performed deflection and GPR analysis, and applied AASHTO design methods to recommend rehabilitation strategies. I identified areas requiring full-depth reconstruction and prepared a comprehensive pavement evaluation report used for CIP planning and PS&E development. During construction, I participated in the material sampling and testing efforts to confirm the materials conform to the project specifications.

City of Lake Forest – Arterials Pavement Evaluation and Rehabilitation Design
I served as a design engineer on the rehabilitation of Lake Forest Drive, Bake Parkway, and El Toro Road. I conducted pavement assessments, directed pavement coring, and reviewed lab data to support engineering analysis. I developed treatment strategies using AASHTO methods and supported the City in prioritizing pavement improvements within the annual CIP.

City of Irvine – Arterials Pavement Evaluation
I evaluated four major arterials—Trabuco Road, Irvine Center Drive, Irvine Boulevard, and Walnut Avenue—through pavement testing and deflection structural capacity analysis. I led coordination of all fieldwork, reviewed test results, and recommended rehabilitation approaches based on structural capacity. My findings were used to guide future design phases and budget allocations.

City of Anaheim – Pavement Evaluation and Design
For Harbor Boulevard, Frontera Street, and Nohl Ranch Road, I managed the pavement evaluation process, reviewed subsurface investigation results, and identified locations requiring structural reconstruction. I performed engineering analysis and design and prepared the final technical report to support PS&E preparation and CIP implementation.

City of Aliso Viejo – Citywide Pavement Evaluation and CIP Design
As part of the City's multi-zone CIP program, I assessed pavement conditions across Zones 4 and 5. I coordinated field

investigations, selected representative test locations, and reviewed lab testing to inform design recommendations. Using AASHTO design methods, I developed pavement design and treatment strategies that were incorporated into PS&E packages for upcoming construction.

City of Mission Viejo – Residential Slurry Seal Project Construction Observation and Testing
I supported construction-phase services for this residential resurfacing project. I reviewed contractor submittals (slurry seal and crack seal), attended the pre-construction meeting, and observed field application to verify proper rates, appearance, and uniformity. I conducted lab testing on collected samples and prepared the final QA report for City records.

Glenwood Village Pavement Rehabilitation – PS&E Development and Construction Support
For this HOA-led rehabilitation project, I provided full design services including pavement evaluation, drainage improvements, and preparation of PS&E documents. The existing drainage system lacked surface runoff control, so I incorporated grading and surface drainage modifications into the design. I also reviewed material submittals (AC, cement, tack coat), attended the pre-construction meeting, and observed cement-treated base and asphalt construction. I verified compaction and lift thickness, tracked quantities, approved contractor invoices, and finalized the QA report.

City of San Fernando – Citywide Resurfacing Project
I developed the PS&E package for this resurfacing CIP, which involved multiple surface treatments including crack seal, chip seal, slurry seal, PCC, microsurfacing, and pavement markings. I reviewed submittals, attended the pre-construction meeting, and provided field inspection to ensure proper application and compliance with project specifications. I tracked quantities and supported payment review.

Across all projects, I have consistently performed:

Pavement design using AASHTO and agency-specific criteria

Coordination of field investigations and lab testing

Preparation of design deliverables including PS&E

Construction observation, management, material testing, and cost tracking

Integration of drainage considerations where needed

These projects reflect my well-rounded engineering experience and increasing responsibility in design and implementation—supporting my qualifications for PE licensure.

WORK EXPERIENCE

Kimley-Horn and Associates, Inc.
California (United States)
Civil/Pavement Engineer
February 2024—July 2025

Verified by
Timothy Daniel Miller
Timothy.Miller@kimley-horn.com

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

At Kimley-Horn, I am responsible for a wide range of engineering tasks focused on pavement design and rehabilitation, for roadways, private developers, airports, and ports.

I perform pavement design for airports, ports, and roadway networks, applying FAA, AASHTO, and agency-specific design standards. I analyze geotechnical investigation results and structural deflection data (e.g., Falling Weight Deflectometer FWD and Traffic Speed Deflectometer TSD) to develop appropriate pavement sections and rehabilitation strategies. This includes both new construction and rehabilitation designs for high-traffic and heavy-duty pavement sections.

I also lead the development of Pavement Management Plans (PMPs) for cities, counties, and airports. This involves collecting and analyzing condition data (e.g., PCI), identifying roadway condition deterioration trends, and recommending cost-effective maintenance and rehabilitation (M&R) treatments tailored to funding scenarios and agency priorities.

In addition to design, I provide construction support services such as reviewing submittals, responding to RFIs, performing field observations, and verifying material compliance. I also track construction progress and assist with resolving construction challenges.

My design responsibilities include developing construction documents such as plans, specifications, and engineer's estimates (PS&E packages), coordinating with multidisciplinary teams, and ensuring conformance with agency requirements.

Through this work, I have gained progressive engineering experience in both design and implementation phases of pavement projects.

REPRESENTATIVE PROJECTS

At Kimley-Horn, I have progressively advanced in responsibility and technical complexity across a range of pavement design and construction support projects for roads, airports, and ports. My work has included geotechnical data analysis, structural evaluation, pavement design, development of PS&E packages, and construction-phase engineering services.

City of Menlo Park – Sand Hill Circle Improvement Project
I served as the lead pavement engineer for the rehabilitation of Sand Hill Circle, a curvilinear residential street with mature trees and potential utility conflicts. I reviewed the geotechnical investigation report and analyzed pavement structure and subgrade conditions. Based on my analysis, I recommended an appropriate pavement design balancing durability with constructability in a constrained setting. I reviewed roadway improvement plans, coordinated with the civil design team, and advised on the rehabilitation strategy and limits of work.

Fenix Marine Services – Port Pavement Design
For this heavy-duty port facility, I performed pavement design for areas subject to high loads from container stacks and handling equipment. I used PCASE software to model aircraft-style loading conditions and recommended both Asphalt Concrete (AC) and Portland Cement Concrete (PCC) sections. I also managed the geotechnical evaluation and incorporated subgrade improvements where needed. I prepared the PS&E package, including detailed specifications, and ensured compliance with port durability and maintenance standards.

Sacramento International Airport (SMF) – Pavement Design and Specifications
I contributed to the pavement design for a recent SMF project, developing structural sections for service road areas. I coordinated with the design team and prepared technical specifications, ensuring compliance with FAA standards and project-specific

operational needs.

Mather Airport – Construction Support Services
At Mather Airport, I provided construction-phase engineering services. This includes reviewing contractor submittals, responding to RFIs, and assisting the project team in ensuring construction compliance with the design intent and project specifications.

Timberlab Heavy-Duty Concrete Pavement Design
I led the design of a high-strength concrete pavement system for Timberlab's industrial site, which is expected to carry heavy loading from timber handling and storage operations. I developed the pavement section, jointing layout, and dowel bar details. I also prepared plan sheets, construction notes, specifications, and supported the development of cost estimates.

San Diego International Airport (SDIA) – Pavement Management System (PMS) Update
As part of the airport's pavement asset management and evaluation program, I conducted field distress surveys in accordance with ASTM D5340, calculated PCI values, and analyzed pavement structural testing data. I performed PAVER-based analysis to forecast future conditions and developed a prioritized 5-year Capital Improvement Plan (CIP) to support SDIA's budgeting and maintenance planning.

San José International Airport – Pavement Management Program
I performed tasks similar to SDIA, including PCI calculations, structural analysis, distress data collection, and development of rehabilitation strategies for airfield and landside pavement. My work supported the airport's asset management goals and capital planning needs.

In all of these projects, my responsibilities have included:

Performing pavement design using FAA, AASHTO, and agency-specific standards

Analyzing geotechnical and deflection data for structural pavement design

Developing PS&E packages including plan sheets, specifications, and cost estimates

Supporting clients through construction with engineering reviews, submittal response, and field observations

Applying pavement management and design tools such as MicroPAVER and PCASE

Providing recommendations tailored to funding, loading, and operational constraints

These diverse projects reflect my continued growth in applying engineering judgment, coordinating with multidisciplinary teams, and delivering high-quality pavement solutions for public and private infrastructure. They demonstrate the breadth and depth of my experience necessary for licensure as a professional engineer.

Electrical

DAN SMITHSON (17-861-20)

All work experience reviewed by two licensed professionals

DISCIPLINE: ELECTRICAL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
08/10/2025

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
7 years, 11 months

Total Engineering Experience
7 years, 11 months

Experience under licensed engineer
3 years, 11 months

Disciplinary Action
None reported

EDUCATION

Bachelors in Electrical Engineering (EAC)
University of South Alabama
August 2012–May 2017

EXAMS

Fundamentals of Engineering (FE)
Alabama
April 2017

Principles and Practice of Engineering (PE)
Electrical & Computer
Nevada
May 2025

LICENSES

Additional Licenses
None

DAN SMITHSON (17-861-20)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Alabama Power Company
Alabama (United States)
Protection & Controls Field Engineer II
May 2017—July 2018

Verified by
Michael Wayne Handley
mhandley@southernco.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

In this position I was responsible for commissioning, maintenance, and repair of electrical power substations in the Central Alabama region. As part of the commissioning process I would perform point to point checks, resistance measurements, functional checks, and all other necessary initial tests prior to energizing new and existing equipment. I would act as the technical lead at the job site to resolve any issues found during the construction or maintenance period. I was also responsible for downloading new relay settings to equipment and verifying settings were downloaded correctly.

Because this was my first position out of college, I initially was working and mostly following directions from senior team members, but I was given more responsible as my time went on. Ultimately leading to me developing and implementing my own test and verification procedures.

REPRESENTATIVE PROJECTS

I commissioned a new substation in Montgomery, Alabama as part of a team of two engineers. We performed every task as a team of two; however, I would frequently decide and direct which portion of the work would be involved for the day. I was responsible for utilizing the test equipment and understanding the results provided and recording those results. This includes using multiple test tools on conductors, power circuit breakers, current transformers, power and instrument transformers, relays, and other auxiliary equipment utilized in substations,

I commissioned numerous 12 kV breaker replacement projects. I was responsible for determining which circuits and equipment needed to be disconnected, performing the disconnection, and verifying it was done properly. Following equipment replacement, I would perform testing on the new equipment to ensure it was installed correctly. I would download relay settings as necessary. When the equipment was energized, I would take voltage and current measurements to verify the system was operating as expected.

DAN SMITHSON (17-861-20)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Dominion Energy
Utah (United States)
Automation Engineer II
July 2018—April 2021

Verified by
Michael Dean Rall
michael.rall@williams.com

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

TASKS

Please note that at my time of employment, the company was named Dominion Energy. It is now Williams.

While working at Dominion Energy, I was responsible for all electrical and control activities at natural gas monitoring and control stations throughout the Dominion Energy service territory in Utah, Wyoming, and Colorado. I would perform new designs, installations, maintenance, and repairs on all company owned equipment. I worked closely with other staff to layout new stations including electrical panels, transducers, control valves, lighting, and any other necessary electrical equipment. All designs were performed in accordance with NFPA 70E and NFPA 497.

In addition to design, I would also develop scopes of work and contract out the installation activities with local electrical companies. I would perform bid walks, evaluate bids, and make recommendations on which company to use. I would frequently visit the construction sites to ensure there were no issues or to respond to items found during the installation process.

I also served on a rotating on-call system. I would have to respond to calls on failed equipment, perform remote repairs as able, and quickly return systems to functionality. I would have to coordinate these repairs between our control room operators and technicians at the site.

REPRESENTATIVE PROJECTS

I acted as the sole electrical/automation engineer for a medium sized new monitoring and control station in Western Utah. The project started out with developing P&IDs and station layouts with other team members. Following that I developed all the station drawings, ordered materials, and coordinated with the local electric utility to bring electric power service into the site. I also attended the bid walk and answered Request For Information submittals as necessary for various electrical contractors who were bidding on the installation work.

Following delivery of material, I assisted in assembling the control panel and programming the new RTU from scratch. I made frequent site visits to monitor construction progress and ultimately begin commissioning the site. After performing the field commissioning portion, I worked with our SCADA group to test and verify all monitoring and control points back to our main control center.

This project also served as a trial run for a new style of HMI. I learned how to program and implement the new style RTU on my own and verified the new equipment worked as necessary for our field operations crews.

I inherited a large new station project from a coworker who was leaving the company. In a short span, I had to learn the construction site drawings and remaining requirements. I had to spend time understanding unique components to this project including: backup generator and ATS, electric cranes, a previously unused communication layout. I had to quickly get up to speed on the ongoing needs of the project. I made frequent site visits to understand what stage the project was at and to resolve issues found during construction.

During this project, I was also responsible for coordinating with a third party set of gas heaters that required extensive field modifications and programming updates to become functional. These style of gas heaters had not been used at our company before this project. The project was ultimately commissioned on time and within budget.

WORK EXPERIENCE

United Launch Alliance
California (United States)
Electrical Engineer III
May 2021—July 2023

Verified by
Sam Tehrani
sam.tehrani@lmco.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

At United Launch Alliance I was in charge of numerous systems for our facilities and launch pads including: backup generators, uninterruptible power supplies, lighting, grounding, power distribution (12.47 kV to 120 VAC), mission unique power delivery, various site control systems, and fire alarm systems. I performed various designs for site upgrades and repairs in house, and I worked with electrical design and construction contractors for larger site upgrades as needed. All work was performed in accordance with NFPA 70E, NFPA 497, various military UFC requirements, and other city, state, and national codes.

I was also responsible for developing system verification plans and test procedures that were followed prior to launches or other large system tests to ensure all power and control systems were functioning appropriately. I sat on console during launches and provided troubleshooting in the event of our system failing.

REPRESENTATIVE PROJECTS

Modification to pad hazardous gas detection system - during processing work for an upcoming launch, portions of our pad hazardous gas detection system were frequently activating false alarms that were causing full pad clears resulting in heavy loss of work time. I worked with our staff electricians to troubleshoot and evaluate the existing system which had been in place for over a decade. I also worked with our staff safety personnel to analyze the system and determine that the portions causing the false alarms were unnecessary and provided no additional protection. I was able to work with the base safety personnel and was given permission to remove the faulty equipment. I developed all drawing modifications myself, assisted in installation, and commissioned the newly modified system. All designs were performed in accordance with site codes.

I was responsible for the design, procurement, and installation of a new backup power system for one of our pad power substations. I worked with our staff electricians to analyze the faulty system and determined a work around that allowed us to continue with the test so the schedule was not delayed. Following the test, I developed drawings and purchased equipment for a new backup power system. One issue with the original design was the system could not be tested or inspected effectively without a full outage. The new design placed the equipment in a safer location and included controls to allow for replacement without taking a full substation outage.

I developed and implemented the statement of work for the maintenance program of all of our power transformers that were over 250 kVA. I utilized NFPA, IEEE, and various other standards to determine requirements for the maintenance procedures. I led the bid walk with numerous electrical contractors to answer questions and show the equipment. I coordinated all the outages with many company and base personnel. All work was completed without issue.

For a period of about a year, I acted as the lead for our department regarding all aspects of pre-launch, launch day, and post launch activities. I created the schedules and communicated to all necessary parties of which engineers and electricians would be covering which shifts for the multiple day activities involved in executing a successful launch. I was also in charge of writing up reports regarding maintenance or repairs of launch critical systems. These reports were visible and were often referenced by individuals throughout the entire company during equipment processing.

DAN SMITHSON (17-861-20)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

United Launch Alliance
California (United States)
Electrical Engineer III
July 2023—October 2024

Verified by
Scott Allan Vollmer
scott.a.vollmer@ulalaunch.com

Experience Summary
Full-Time
Engineering: 1 year, 3 months
Post EAC degree: 1 year, 3 months
Experience under licensed engineer: None

TASKS

At United Launch Alliance I was in charge of numerous systems for our facilities and launch pads including: backup generators, uninterruptible power supplies, lighting, grounding, power distribution (12.47 kV to 120 VAC), mission unique power delivery, various site control systems, and fire alarm systems. I performed various designs for site upgrades and repairs in house, and I worked with electrical design and construction contractors for larger site upgrades as needed. All work was performed in accordance with NFPA 70E, NFPA 497, various military UFC requirements, and other city, state, and national codes.

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REPRESENTATIVE PROJECTS

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DAN SMITHSON (17-861-20)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

NV Energy
Nevada (United States)
Senior Substation Design Engineer
November 2024—June 2025

Verified by
Daniel Gorjestani
daniel.gorjestani@nvenergy.com

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

TASKS

I am responsible for design and purchasing of equipment for substation upgrades and repairs. Substations range in voltages from 4 kV up to 500 kV. I am responsible for all aspects of design including: relaying, physical layout, grounding, lighting, bus and conductor sizing, etc. I also work closely with our staff civil engineers for foundations, grading, and other necessary components to build fully functional substations. I work closely with our installation crews to continuously improve our designs for safety and constructability.

I purchase all major equipment and assists in developing the standards used for purchasing commonly used stock material. I frequently work with equipment vendors, construction firms, and design consultants as we develop the construction packages for new and existing substations. I am also responsible for creating and updating documentation for substations as required for NERC CIP and other government agencies.

REPRESENTATIVE PROJECTS

I am acting as the primary design engineer for a new 33 MVA transformer addition at a substation in our service territory in Las Vegas. I developed all the necessary construction drawings, including physical and P&C, and purchased the equipment needed for installation. I worked closely with our system protection, system planning, and civil engineering groups to correctly lay out all the system components and to have the drawings and new material available in time for our outage. This design activity required making numerous site visits with our staff electricians to evaluate existing site conditions and to determine the best approach for installing the new equipment.

I am responsible for the design of a 12 kV bus extension at an existing substation. This project requires designing the extension of an existing 12 kV bus at our substation including new foundations, bus, breakers and associated concrete pads, grounding modifications, and conduit routing. I am working closely with various departments to ensure all equipment will be available on time and that our drawing packages will be ready for the necessary station outage. I have made site visits to verify the current drawings for this site are accurate and what field conditions need to be accounted for in the design.

I am acting as the lead engineer on a project to replace multiple line protection and automation relay panels at a substation. For this project I developed the scope of work that was sent out to multiple design engineering firms. I created the scope of work based on site conditions and understanding what is needed at the end of the project. I reviewed and rated multiple bid packages, provided recommendations, and am working with the selected design firm to complete the project. I have been responsible for making final determination on numerous design choices to ensure the design package meets the expectations of our installation departments. I have performed design reviews and made recommendations to the design consultants based on my review.

Mechanical

DARWIN MAO (18-878-45)

All work experience reviewed by two licensed professionals

DISCIPLINE: MECHANICAL

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
08/20/2025

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree
6 years, 11 months

Total Engineering Experience
6 years, 11 months

Experience under licensed engineer
6 years, 11 months

Disciplinary Action
None reported

EDUCATION

Bachelors in Mechanical Engineering (EAC)
University of Nevada, Las Vegas
August 2014–May 2018

EXAMS

Fundamentals of Engineering (FE)
Nevada
March 2018

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

LICENSES

Additional Licenses
None

WORK EXPERIENCE

Mission Support and Test Services, LLC
Nevada (United States)
Principal Engineer
September 2018—August 2025

Verified by
Dennis Bartlett Moyer
moyerdb@nv.doe.gov

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

TASKS

Field Engineer I
Learn from Senior and Principal Field Engineers how to interpret drawings and specifications in the field. Coordinate with multiple union craft on the proper installation in accordance with the Design and Specifications. Prepare Requests for Information (RFI), Field Change Requests (FCRS) for submittal to Design Engineering. Duties involved the scheduling of Quality Control Inspectors and collection of reports for submittal to Design Engineering.

Field Engineer II
The Field Engineer II role encompasses all of the tasks and duties as the Field Engineer 1 role but adds more responsibility and more independency with less oversight. The additional responsibilities to include performing material take-offs for large construction projects. Performing rudimentary calculations for quantities of concrete and other materials. Field Engineer II role includes engineering judgement to sketch design changes for incorporation into Field Change Requests checking material specifications sheets and existing calculations for viability of change.

Senior Field Engineer
The Senior Field Engineer role involves the Field Engineer I and Field Engineer II tasks and responsibilities with close to full independence. This role adds the ability to perform rigging calculations and calculations for the design of Below the Hook Lifting Devices under the supervision of Senior Engineers.

Principal Field Engineer
The Principal Field Engineer role encompasses all previous position duties and adds the responsibility of mentorship of new Field Engineers and the responsibility of a lead engineer over multiple engineers and multiple departments. This role involves the review of work performed by Field Engineer I and II's.

REPRESENTATIVE PROJECTS

Dry Alluvium Geology (DAG II)
September 2018 to January 2019
I assisted in the fielding of the DAG experiment by learning from the National Lab Engineers by tracking the rigging used in order to lower the experiment underground. I also calculated and tracked the quantities of aggregates that were needed to backfill the experiment.

DAF Domestic Waterline
January 2019 to May 2021
I interpreted the specifications and drawings for the Construction crews for adherence to the requirements set forth by the Design team. I wrote the pressure test plan and prepared the pressure test reports for the newly installed waterline to meet the specification. I coordinated the QC Inspectors for performing tests to meet all of the requirements in the specifications. I found a viable solution for a major change to the design when the design could not be met due to existing field conditions.

DAF UPS System Upgrade
May 2021 to January 2023
I acted as the sole Field Engineer on the UPS project by managing all of the design drawings in the field. I generated preliminary sketches to provide to the design team for incorporation of changes to the Design to adjust for field conditions. I managed all of the closeout and turnover documentation for the project completion. I completed all of the redline drawings for submittal to the Design team for updating the facility and configuration management drawings.

DAF Crane Controls Project
January 2023 to October 2024
I planned a critical lift for the removal of a mission critical crane for the refurbishment of the controls performed by an NQA-1 vendor. I specified the purchase of all the equipment that was needed for removal of the crane to include an electric crawler crane, electric hydraulic gantry system, and all of the rigging necessary. I designed and performed calculations of the fixture to remove the trolley of the bridge crane while the crane removed the bridge components. I performed all of the weight calculations to ensure the correct capacities of the rigging, the hydraulic jacks, and the correct configuration of the crane.

Slickline Removal Project
October 2024 to August 2025
I planned the safe removal of a vertical slickline in a 1000 feet deep shaft utilizing an electric winch and various rigging components to perform a unique replacement and repair. I designed and performed calculations of a lift fixture to attach to the vertical pipe where an off the shelf rigging solution was not available. I designed the method for load testing the Below the Hook device to meet ASME standards. I performed calculations for the design of a skid used to weigh down the electric winch for lifting of the slickline pipe.

ADDITIONAL INFORMATION

TIME GAPS

Start Date	End Date	Explanation
May 2013	July 2014	Attending University

Mining

ROHIT PANDEY (21-438-68)

All work experience reviewed by two licensed professionals

DISCIPLINE: MINING

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
08/27/2025

Citizenship
India

SUMMARY

Engineering Experience after EAC degree

Total Engineering Experience
5 years, 11 months

Experience under licensed engineer
4 years, 11 months

Disciplinary Action
None reported

FE EXAM

PE EXAM

4+

EDUCATION

Bachelors in Mining Engineering (Unofficial Transcript)
Bengal Engineering & Science University
August 2008–February 2013

Masters in Mining Engineering
Southern Illinois University, Carbondale
June 2013–August 2015

Doctorate in Engineering Science
Southern Illinois University, Carbondale
August 2015–May 2020

EXAMS

Fundamentals of Engineering (FE)
Alabama
March 2021

Principles and Practice of Engineering (PE)
Mining and Mineral Processing
Nevada
October 2021

LICENSES

Additional Licenses
None

WORK EXPERIENCE

Peabody Energy
Illinois (United States)
Engineer
August 2019—December 2019

Verified by
Charles Lee Lilly
clilly@peabodyenergy.com

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

TASKS

I began my career as an entry-level mining engineer at an underground coal mine in Illinois. Approximately 85–90% of my work was engineering-related, with the remainder consisting of administrative reporting and coordination. My responsibilities included surveying, ventilation, and general mine engineering support.

I assisted in mine surveying activities to maintain accurate underground maps. I collected survey data with total stations, updated mine plans, and verified that development headings were advanced according to design tolerances. I reviewed survey results and issued updated plans to operations. This work required me to apply engineering judgment to ensure accuracy in alignment and elevation, which directly supported safe longwall and development operations.

In ventilation engineering, I assisted senior engineers in evaluating airflow distribution. I measured air quantities and pressures at specified survey stations, compared results to expected values, and documented discrepancies. I helped prepare required ventilation maps for regulatory submission and confirmed that the system met statutory airflow requirements. While senior engineers performed system-level modeling, my role required technical calculations of airflow and regulatory compliance checks that were used in their updates.

I also supported general mine engineering work, which included preparing maps, compiling production and geologic data, and assisting in ground control documentation. I reviewed and prepared drawings that reflected changes in mining geometry, including retreat and development layouts.

Through these tasks, I gained foundational experience in surveying, ventilation, and mine planning. I consistently applied engineering methods to collect, analyze, and document data, and I produced work products (survey updates, ventilation checks, maps, and drawings) that were incorporated directly into the mine's engineering and operational decision-making process.

REPRESENTATIVE PROJECTS

Summary: In this first professional role, I contributed directly to surveying and ventilation projects that were essential to safe mine operations. I personally collected, analyzed, and verified survey and ventilation data, prepared updated maps, and ensured results met engineering and regulatory standards. These projects provided me with foundational experience in mine engineering and introduced me to the integration of design, operations, and compliance in underground coal mining.

1. Mine Surveying for Panel Development
Location: Underground Coal Mine, Illinois | Dates: 2019
I worked with the survey team to ensure that development headings and longwall panel layouts were advanced in accordance with engineering designs. I collected survey data using total stations and leveling instruments, recorded azimuths and elevations, and checked against mine design tolerances. I updated underground survey maps and issued revisions to operations for navigation and planning. I reviewed my results with senior engineers to verify that projected development was aligned with geologic conditions. My work required engineering judgment in confirming line and grade, and my updates were incorporated directly into the official mine maps used for planning and regulatory compliance.

2. Whole-Mine Ventilation Survey and Fan Evaluation
Location: Underground Coal Mine, Illinois | Dates: 2019
I assisted in conducting a whole-mine ventilation survey to evaluate airflow distribution and system efficiency. I helped design survey routes, installed and pulled tubing for pressure measurements, and recorded airflow readings at intake and return entries throughout the mine. At the main mine fan, I collected engineering data on pressure and volume to assess performance relative to design capacity. I compared my measurements with regulatory airflow requirements and documented discrepancies for senior engineers. I also helped compile results into an updated ventilation map that was submitted to MSHA. My role required me to

apply engineering calculations in airflow measurement and pressure differentials, ensuring the accuracy of data that supported regulatory compliance and operational safety.

WORK EXPERIENCE

Peabody Energy
Alabama (United States)
Engineer
December 2019—July 2021

Verified by
Charles Lee Lilly
clilly@peabodyenergy.com

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

TASKS

I worked as a mining engineer at the Shoal Creek Longwall Mine, where approximately 90% of my responsibilities were engineering-related. My work involved mine planning, geomechanics, ventilation, surveying, and project engineering to support safe and efficient longwall operations.

I prepared short- and long-term mine plans that guided development and production. I used geological models, production targets, and ground control requirements to design panel layouts, development headings, and equipment sequencing. I reviewed my plans with supervisors and modified designs as underground conditions evolved.

I also contributed to mine surveying, working with survey crews to ensure the underground survey database was accurate and current. I analyzed survey data, updated plan views, and checked development progress against design tolerances to confirm compliance with engineering standards.

In ventilation engineering, I assisted with monitoring airflow distribution and updating required ventilation maps. I verified survey measurements of airflows and pressures and helped prepare submissions to MSHA. My role included checking that airflow quantities met operational needs, though detailed system modeling was handled by senior ventilation engineers.

My role included significant geomechanical engineering responsibilities. I reviewed and updated ground control plans, designed supplemental support systems where conditions required, and conducted impoundment inspections. I documented my findings, verified compliance with ground control regulations, and made engineering recommendations for remedial action when deficiencies were identified.

In addition, I supported several engineering projects focused on operational improvements. I scoped project requirements, performed design calculations, and coordinated with operations to implement engineering changes.

Through these duties, I consistently applied engineering principles in design, analysis, and decision-making. My work products—including mine plans, survey updates, ground control reviews, and regulatory submissions—were directly used by operations and regulators, reflecting my engineering responsibility for safe and productive mine operations.

REPRESENTATIVE PROJECTS

Summary: At the Shoal Creek Longwall Mine, I was directly responsible for projects that integrated geotechnical, geophysical, and environmental engineering. I designed and executed a seismic survey to reduce fault-related risk, implemented in-seam drilling to confirm fault geometry and optimize panel layouts, developed subsidence monitoring to validate predictive models, assisted in ventilation survey work under senior engineer guidance, and designed methane capture systems that provided both environmental and economic value. In each project, I personally analyzed data, designed systems, validated results, and made engineering decisions that were adopted by the mine, demonstrating progressive responsibility in engineering practice.

1. Seismic Survey Program for Subsurface Characterization (~$150,000)
I designed and executed a two-dimensional seismic survey to delineate subsurface faulting for long-term mine planning. I was responsible for the technical design of the program, including determining survey line orientation, spacing, and depth penetration to meet resolution requirements. I worked directly with contractors to implement the program, reviewed daily progress, and validated acquisition quality. After the survey, I processed and interpreted results, integrating seismic reflections into the mine's geologic model. I evaluated uncertainties in fault positioning and provided recommendations for design modifications to longwall panels to reduce risk. My engineering decisions directly improved the accuracy of mine plans and prevented costly unplanned encounters with fault zones.

2. Ground Monitoring Program for Subsidence (~$20,000)
I implemented a ground monitoring program to characterize surface subsidence from longwall mining. I selected monitoring points in areas predicted to be affected, coordinated the installation of benchmarks, and integrated drone-based aerial photogrammetry to map surface changes. I reviewed survey datasets, calculated vertical displacement profiles, and compared the observed data against predicted subsidence curves. I documented areas where predictions diverged from measurements and prepared reports for both mine operations and regulatory submission. This program validated subsidence modeling assumptions, ensured compliance with state and federal regulations, and allowed for early remediation planning where impacts were higher than expected.

3. In-Seam Drilling Operation for Fault Delineation (~$100,000)
I managed an in-seam horizontal drilling project aimed at locating and defining a suspected subsurface fault. I defined drilling targets based on geologic projections, reviewed contractor drilling plans, and oversaw implementation. I analyzed core samples and geophysical logs to confirm the location, orientation, and displacement of the fault. Based on these results, I revised the longwall panel layout, adjusting barrier pillar dimensions and retreat direction to maintain safe mining conditions. My engineering decisions added significant mineable reserves while reducing the risk of production delays or safety hazards from fault intersections.

4. Mine Ventilation Survey and Model Update (~$30,000 savings)
I assisted with the execution of a ventilation survey to update the mine's ventilation model. Working under the guidance of senior ventilation engineers, I helped plan survey routes and collected airflow and pressure measurements underground. I reviewed the raw data for accuracy, compared it to expected airflow balances, and submitted my findings to the senior engineers, who completed the detailed calculations and model updates. I also helped prepare the updated ventilation map required for MSHA submission. By supporting this project in-house rather than relying on outside consultants, I contributed to cost savings of approximately $30,000 while gaining experience in ventilation system evaluation and regulatory compliance.

5. Methane Management and Carbon Credit Project (~$1M estimated revenue)
I played a leading engineering role in a project designed to capture methane emissions from mined-out areas and monetize them as carbon credits. I reviewed gas emission data, calculated expected recovery volumes, and identified optimal well placement to maximize capture efficiency. I developed infrastructure layouts for collection and monitoring systems and reviewed contractor installation plans to ensure they met technical requirements. I also coordinated verification of methane reduction data under the California Carbon Market protocol. My engineering input ensured that the system reduced greenhouse gas emissions while generating an estimated $1M in carbon credit revenue. This project required integration of mine ventilation, reservoir engineering, and regulatory knowledge to deliver both environmental and financial benefits.

WORK EXPERIENCE

Nevada Gold Mines
Nevada (United States)
Engineer II
July 2021—July 2022

Verified by
Julie Marie Taylor
Julie.taylor@riotinto.com

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

TASKS

I worked as an Engineer II at the Goldstrike Underground Mine, where approximately 90% of my responsibilities were engineering-related. My role centered on underground mine design, short-term planning, and projects to improve drilling and blasting performance.

I spent most of my time preparing stope, drift, and development designs using Vulcan and Deswik software. I analyzed orebody models, evaluated grade distribution, and incorporated geotechnical inputs to design excavation geometries. I issued engineering drawings and stope instructions that were used directly by operations. I regularly modified designs to account for geologic variability, stress conditions, and safety requirements. These design tasks required me to make engineering decisions on stope sequencing, excavation dimensions, and support strategies.

I supported short-term planning by aligning weekly mine plans with monthly and life-of-mine schedules. I performed recovery and dilution calculations, analyzed ventilation requirements, and recommended extraction sequences. I had to make tradeoff decisions between competing objectives such as maximizing recovery, maintaining ground stability, and meeting production tonnage.

I also led continuous improvement projects, including drilling and blasting optimization. I reviewed past stope performance, analyzed fragmentation results, and identified causes of bridging and poor productivity. I redesigned blast layouts, adjusted burden and spacing, calculated explosive requirements, and evaluated vibration impacts. These designs were implemented in the field, resulting in improved fragmentation and productivity.

Through these duties, I consistently applied engineering judgment in design, analysis, and decision-making, producing work products that directly enabled safe and efficient mining operations.

REPRESENTATIVE PROJECTS

Summary: At Goldstrike Underground Mine, I applied engineering principles daily to design excavations, plan sequences, optimize blasting, and validate stope productivity. I created engineering drawings, performed calculations, and made decisions that directly impacted the safety and efficiency of mining operations. My role required continuous application of engineering judgment, with ~80% of my time spent on mine design, ~10% on planning, and ~10% on improvement projects.

1. Stope and Development Mine Design (≈80% of role)
Location: Goldstrike Underground Mine, Carlin Complex, Nevada | Dates: 2021–2022
I produced weekly and daily stope and development designs using Vulcan and Deswik. I analyzed geologic block models, interpreted grade control data, and applied geotechnical parameters to establish excavation dimensions. I designed stope geometries, laid out access drifts, and issued engineering drawings to operations. I reviewed my designs for stability and calculated dilution and recovery factors. I frequently modified excavation layouts to mitigate ground control risks. These engineering products guided operational crews and ensured safe and efficient ore extraction.

2. Sequencing and Short-Term Mine Planning Support (≈10% of role)
Location: Goldstrike Underground Mine, Carlin Complex, Nevada | Dates: 2021–2022
I supported weekly and monthly mine planning by developing stope extraction sequences. I calculated expected recovery and dilution for alternative designs, analyzed ventilation impacts, and checked that plans aligned with geotechnical constraints. I presented sequencing alternatives to mine leadership and explained the engineering tradeoffs between production efficiency, stability, and safety. My recommendations were adopted into the short-term mine plan, directly influencing operational scheduling.

3. Drilling and Blasting Design Optimization (≈5% of role)
Location: Goldstrike Underground Mine, Carlin Complex, Nevada | Dates: 2021–2022

I led an effort to improve drilling and blasting practices in long-hole stopes. I reviewed past blast results, measured fragmentation, and identified recurring problems such as bridging and overbreak. I redesigned drilling patterns by recalculating burden and spacing, modified charge distributions, and calculated explosive requirements for different stope geometries. I also analyzed vibration data to ensure designs met safety criteria. These new blast designs were implemented and improved stope productivity in terms of tons per foot drilled.

4. Back-to-Basics Stope Productivity Study (≈5% of role)
Location: Goldstrike Underground Mine, Carlin Complex, Nevada | Dates: 2021–2022
I led a project investigating poor productivity in long-hole stopes. I analyzed drilling accuracy records, stope dimensions, and blasting results to identify causes of bridged stopes. I developed engineering solutions, including revised drill layouts and new quality control procedures. I tested these changes in trial stopes, collected performance data, and evaluated results against baseline productivity. Based on my analysis, I recommended implementing the revised practices mine-wide, which improved production efficiency and reduced operational downtime.

WORK EXPERIENCE

Virginia Tech
Virginia (United States)
Assistant Professor
August 2022—August 2025

Verified by
Christopher Aaron Noble
noble54@vt.edu

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

TASKS

I am a tenure-track Assistant Professor in the Department of Mining and Minerals Engineering at Virginia Tech. My professional responsibilities include research (60%), teaching (30%), and service (10%) within the mining engineering discipline.

My teaching contributions focus on upper-division and graduate-level courses in mine design, rock mechanics, and geoenergy applications. These courses incorporate engineering analysis, design principles, and problem-solving in areas such as excavation stability, mine safety, and subsurface storage systems. Instruction is delivered through lectures, laboratory demonstrations, and design projects, all of which emphasize engineering judgment and application of established principles.

In research, I lead engineering projects supported by federal and industry funding, applying mechanics and fluid flow analysis to improve mine safety and energy technologies. My work includes developing engineering tools for strength estimation of cemented paste backfill (CPB), a critical support material in underground mines. This involves material characterization, laboratory testing, modeling, and interpretation of results to guide safer mine design. In addition, I conduct geomechanical and fluid flow investigations in fractured rock systems, with direct applications to carbon capture and storage (CCS), underground hydrogen storage (UHS), and other geoenergy technologies. These projects require integration of experimental design, data analysis, and numerical modeling to evaluate engineering performance under field-relevant conditions.

My service (10%) includes contributions to professional organizations such as the Society for Mining, Metallurgy, and Exploration (SME), where I have chaired technical sessions and advanced dissemination of engineering research.

In summary, my role encompasses design-related teaching, engineering research, and professional service within the mining engineering field. Across these responsibilities, I apply and advance engineering principles for mine safety, material design, and subsurface energy technologies.

REPRESENTATIVE PROJECTS

Representative Projects

1. Measurement of In-Situ Geomechanical Properties Using Hydraulic Techniques
Location: Laboratory and field settings, Virginia and West Virginia | Dates: 2023–2024 (3 months per year)
I served as Principal Investigator for this CDC–NIOSH project. I designed and implemented hydraulic testing protocols to measure in-situ mechanical properties of cemented backfill and mine support materials. My responsibilities included designing laboratory hydraulic fracture systems, determining test parameters, supervising graduate students, and interpreting results to calculate elastic modulus, fracture initiation pressure, and strength. I made key engineering decisions on experimental conditions and modeling approaches, ensuring the data were applicable to underground mine safety and design.

2. Resource Assessment of Geological Formations and Mine Waste for CO_2 Mineralization
Location: Mid-Atlantic U.S. | Dates: 2023–2024 (2 months per year)
As Co-PI, I contributed to laboratory and modeling work assessing mine waste and geologic formations for CO_2 mineralization potential. I designed and executed geochemical experiments, selected and characterized reactive mineral substrates, and analyzed carbonation rates. I calculated mineralization capacity and evaluated reactivity trends, providing engineering inputs for reservoir models used to estimate CO_2 storage potential in the Mid-Atlantic region.

3. Subsurface Hydrogen Storage in Depleted Gas Fields of Appalachia
Location: Appalachian Basin | Dates: 2023–2024 (2 months per year)
I serve as Principal Investigator on this DOE-funded project evaluating hydrogen storage in depleted gas fields. I designed laboratory experiments to measure hydrogen permeability, diffusivity, and poromechanical response of reservoir rocks and shale

caprocks. I supervised experimental testing, modeled storage performance, and interpreted engineering data for reservoir-scale feasibility. I made engineering decisions on pressure and temperature test conditions and scaling methods to translate laboratory findings to field applications.

4. Atlantic Coast CO_2 Emissions Storage Sink (ACCESS – CarbonSAFE)
Location: Mid-Atlantic U.S. | Dates: 2025 (1 month)
As Co-PI, I am engaged in this ongoing DOE-funded CarbonSAFE project focused on regional site characterization for CO_2 storage. My role includes designing laboratory evaluations of caprock sealing capacity, permeability, and mechanical stability under CO_2 exposure. Work completed to date has primarily involved experimental planning, defining sample selection criteria, and setting up testing frameworks. I continue to provide engineering input as laboratory and field phases progress.

Teaching Responsibilities

In addition to research projects, I teach upper-division, design-related courses that NCEES defines as the practice of engineering. My teaching responsibilities span 2022–2025 and include lecture-based instruction, design assignments, and laboratory sections where I guide students in applying engineering methods to mining and energy problems.

Mine Ventilation Engineering – Undergraduate junior level (Spring 2023, 2024, 2025). This 3-credit course meets weekly for 16 weeks and includes a laboratory section where I instruct engineering experiments. Students are required to design and analyze ventilation networks, perform airflow measurements, and apply mine safety standards.

Mining Geomechanics – Undergraduate junior level (Fall 2024). This 3-credit course includes both lecture and laboratory components. Students apply stress–strain analysis, evaluate excavation stability, and design ground support systems. I supervise laboratory testing of rock samples and guide students in interpreting mechanical behavior for engineering design.

Mine Water Engineering – Undergraduate junior level (Fall 2022, 2023, 2024). This 3-credit course emphasizes design of mine water handling systems. Students calculate sump volumes, design pumping systems, and evaluate water inflow control strategies. Laboratory experiments focus on water flow, transport, and treatment principles applied to mine environments.

Surface Mining Methods – Undergraduate junior level (Spring 2024). This 3-credit course integrates engineering design of surface mine layouts, drilling and blasting systems, and equipment selection. I instruct students in applying geotechnical and production data to optimize mine designs.

Advanced Mine Design – Graduate level (Fall 2025). This design-focused course applies geomechanics principles to subsurface engineering structures relevant to mining and geoenergy applications. Students will design integrated mine layouts, evaluate stress conditions, and assess stability under varied geologic and operational constraints. I will guide all engineering analyses and validate final design projects.

Structural

LEANNE LAWSON (15-379-25)

All work experience reviewed by two licensed professionals

DISCIPLINE: STRUCTURAL

GENERAL

Applying To
Nevada

Application Type
Comity - PE

Application Date
09/21/2021

Citizenship
United States

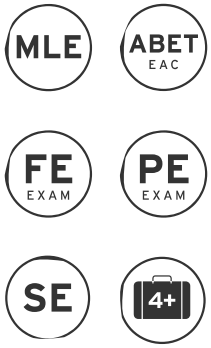
SUMMARY

Engineering Experience after EAC degree
7 years, 10 months

Total Engineering Experience
7 years, 10 months

Experience under licensed engineer
7 years, 10 months

Disciplinary Action
None reported



EDUCATION

Bachelors in Civil Engineering (EAC)
University of Nevada, Reno
August 2009–May 2015

Masters in Civil and Environmental Engineering
University of Nevada, Reno
August 2015–May 2017

NOTE: First discipline specific structural license,

EXAMS

Fundamentals of Engineering (FE)
Nevada
November 2014

Principles and Practice of Engineering (PE)
Civil
Nevada
April 2018

Structural (SE)
Structural
Nevada
April 2025

LICENSES

Initial License
California
Issued: December 2019
Expires: March 2026

Initial License
Nevada
Issued: September 2021
Expires: December 2025

Additional Licenses
None

WORK EXPERIENCE

Miyamoto International
Nevada (United States)
Senior Project Engineer
May 2017—March 2025

Verified by
Veronica A Chauvel
veronicachauvel@gmail.com

Experience Summary
Full-Time
Engineering: 7 years, 10 months
Post EAC degree: 7 years, 10 months
Experience under licensed engineer: 7 years, 10 months

TASKS

I work for a structural engineering company that has projects in California and Nevada. I started as a staff engineer and after three years of experience and earning my California PE license was promoted to Project Engineer in January 2020 and senior project engineer in 2024. In the first year, I was responsible for shop drawing review, and was trained by two senior engineers to do independent calculations on their design projects. After the first year, my level of responsibility on projects increased until I began to design and manage industrial anchorage projects with oversight from my senior engineer. As a project engineer my primary responsibilities were to create, review and compile the structural calculations for the building department submittals for plan check, responding to plan check comments, and responding to construction administration concerns that arise. As a senior project engineer I was responsible for the management of the projects I worked on. I prepared the calculations and drawings for a variety of project types. I am familiar with the design of tilt-up buildings with wood diaphragms, light-frame wood shear wall buildings, and industrial equipment anchorage and tenant improvements. I frequently communicated with the architects to coordinate project information.

REPRESENTATIVE PROJECTS

Napa SoCo is a light-frame wood shear wall apartment complex of four multi-story buildings and three stand-alone single-story buildings in Napa California, which I worked on from June-November 2018. I worked on the three stand-alone single-story amenity buildings that formed the clubhouse complex. I designed roof members and calculated the requirements for shear wall sheathing and holdowns for all three buildings. I also designed the chord collector elements and the spread and continuous footings on the buildings. Throughout the design of the four multi-story buildings, designed by my senior engineer, architectural revision required coordination with the architectural model to update his shear wall sheathing and strapping design. I oversaw any revisions to the shear walls and updated the drawings to reflect the new wall configurations. From December 2018 into July 2019 this project moved into construction administration, and I was asked to coordinate design of retaining wall with the geotechnical engineer. I designed footings for retaining walls the property line and provided details to allow for the connection of fencing to the top of the retaining walls. Additional retaining walls for retention basin in the complex were added later and I coordinated the detailing of the walls between the geotechnical engineer and the city.

MSI Surface is a 160,000 square foot, single-story, concrete tilt-up warehouse with an 11,000 square foot, wood mezzanine in Reno, Nevada. I began design in March 2021, and I submitted plans and calculations to the building department in July 2021. I laid out the roof joists and girders and coordinated with the architect on the roof elevation. I was the only engineer doing calculations on this project. I designed all the components of the project, including; the roof member sizes, the wall thickness and reinforcement for out-of-plane bending, lateral load of the diaphragm and in-plane shear walls, and all the connecting elements. I was also responsible for creating a plan set with the appropriate notes and details. The unique design elements of this building included a wood shear wall mezzanine and a future 10,000-pound rated crane system to be installed on the roof supporting columns. The mezzanine had to be designed for light storage which increased the lateral loading on the shear walls and required extra detailing for the connections to the concrete shell of the building. The future crane system is to be provide by a crane manufacturer. I coordinated with the manufacturer and architect, and I designed the columns for the additional weight of the crane and its maximum capacity. I verified the capacity of the column connection details provided by the manufacturer.

Virginia Street MOB is a wood framed single story medical office building in Reno, Nevada. Design began in 2020 and construction finished in 2022. I designed all the components of the project including coordinating with Red-Built on open web open web trusses, wooden shear wall sheathing nailing, and moment frame member sizing and connection detailing. I also handled all construction administration tasks. I coordinated the designs with the architect through all phases of the project.

Escondido Elementary School Expansion is a wood framed single story school building in Escondido, California. Design began in

2021 and construction finished in 2024. I designed the multi-purpose room and office areas in the main building, including roof framing sizes, wooden shear wall sheathing nailing, and connection detailing. I also handled all DSA comments, and construction administration.

Home Depot is a single-story, concrete tilt-up warehouse in San Jose, California. Design began in 2022 and construction finished in 2025. This design was unique as it was replacing a building that was burned down and the client needed the new design to closely match the previous building. As the existing building was more than 50 years old there were a lot of alterations that needed to be negotiated across disciplines to match previous design decisions while upholding current building code. I was the only engineer on this project. I designed the roof member sizes, the wall thickness and reinforcement for out-of-plane bending, lateral load of the diaphragm and in-plane shear walls, and all the connecting elements. I was also responsible for creating a plan set with the appropriate notes and details and coordinating all issues during construction administration

7. Non-appearance Initial Licensure Application for Mr Quinlan Parker

Memorandum

August 27, 2025

To: Board Members
From: Board Staff
Subject: Experience Credit for Master's Degrees

Background

At its August 14, 2025, Interim Meeting, the Board reviewed an application for initial licensure that included a nine-month master's degree in engineering. NRS 625.183 requires four years of active engineering experience and grants two years' credit for a master's degree, without reference to program length. The Board questioned whether an accelerated degree qualifies for the full two years' credit, tabled the matter, and directed staff to research and provide additional information for consideration at a future meeting.

Discussion

NRS 625.183 states the qualifications required for licensure as a professional engineer:

> *1. A person who is 21 years of age or older may apply to the Board, in accordance with the provisions of this chapter and any regulations adopted by the Board, for licensure as a professional engineer.*
> *2. An applicant for licensure as a professional engineer must:*
> *(a) Be of good character and reputation; and*
> *(b) Pass the examination on the:*
> *(1) Fundamentals of engineering or receive a waiver of that requirement; and*
> *(2) Principles and practices of engineering, pursuant to NRS 625.193.*
> *3. An applicant for licensure as a professional engineer is not qualified for licensure unless the applicant is a graduate of an engineering curriculum of 4 years or more that is approved by the Board and* ***has a record of 4 years or more of active experience in engineering which is satisfactory to the Board*** *and which indicates that the applicant is competent to be placed in responsible charge of engineering work. An applicant who is eligible to take the examination on the principles and practices of engineering pursuant to subsection 2 of NRS 625.193 may take the examination on the principles and practices of engineering before the applicant meets the active experience requirements for licensure set forth in this subsection.*
> *4. To determine whether an applicant for licensure as a professional engineer has an adequate record of active experience pursuant to subsection 3:*
> *(a)* ***Graduation from a college or university in a discipline of engineering with a master's or doctoral degree is equivalent to 2 years of active experience****, except that, in the aggregate, not more than 2 years of active experience may be satisfied by graduation from a college or university with such degrees, regardless of the number of degrees earned.*

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> *(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.*
>
> *(c) The execution, as a contractor, of work designed by a professional engineer, or the supervision of the construction of that work as a foreman or superintendent, is not equivalent to active experience in engineering.*
>
> *5. A person who is not working in the field of engineering when applying for licensure is eligible for licensure as a professional engineer if the person complies with the requirements for licensure prescribed in this chapter.*
>
> *(Added to NRS by 1997, 1038; A 1999, 2434, 2435; 2005, 206, 208; 2011, 227; 2019, 1527, 4259)*

The statute clearly provides that the awarding of a master's degree in engineering is equivalent to **two years of active engineering experience**. It does not include any conditions related to the length of the program or the time taken to complete the degree.

When the statute was written in 1997, most master's degrees took two years to complete. Today, higher education has evolved. Many accredited universities now offer accelerated programs that allow students to complete the same curriculum in a shorter period, sometimes under a year.

Regardless of the program's length, the degree awarded is the same, the accreditation standards are the same, and the academic rigor is equivalent. The degree represents the completion of advanced study in engineering, and the statute ties experience credit to **the degree itself**, not the time in school.

Summary

A completed master's degree in engineering that is recognized by the Board carry's **two years of experience credit**.

This credit is granted **without regard to program length or format**, as long as the degree is from an accredited institution.

This approach ensures consistent treatment of applicants, aligns with the wording of NRS 625.183(4)(a).

QUINLAN PARKER (23-104-03)

All work experience reviewed by two licensed professionals

GENERAL

Applying To
Nevada

Application Type
Initial - PE

Application Date
08/06/2025

Citizenship
United States

SUMMARY

Engineering Experience after EAC degree

Total Engineering Experience
2 years, 1 month

Experience under licensed engineer
2 years, 1 month

Disciplinary Action
None reported

FE EXAM

PE EXAM

EDUCATION

Bachelors in Engineering Geology
University of California, Los Angeles
September 2018–June 2022

Masters in Civil Engineering
University of California, Los Angeles
September 2022–June 2023

EXAMS

Fundamentals of Engineering (FE)
California
May 2023

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

LICENSES

Additional Licenses
None

QUINLAN PARKER (23-104-03)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

ENGEO
California (United States)
Staff Engineer
July 2023—August 2025

Verified by
Todd Bradford
tbradford@engeo.com

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

TASKS

I performed geotechnical site exploration drilling, designed laboratory testing program, performed geotechnical analysis and design recommendations for liquefaction analysis, settlement analysis, static and seismic slope stability analysis, and bearing capacity calculations. I performed on-site observations of temporary shoring installation by cement deep soil mixing and soldier beam installation and relayed engineering details of ongoing field operations to the Project Engineer. I advised contractor of means and methods of temporary shoring installation. I developed geotechnical recommendations for foundation design, earthwork grading, and soil and Mechanically Stabilized Earth retaining wall designs delivered to clients. I was the sole engineer on-site ensuring construction activities confirmed to geotechnical engineering recommendations contained in relevant reports and plans. I reviewed earthwork, foundation, and soil retaining wall plans to ensure compliance with recommendations in the geotechnical report.

REPRESENTATIVE PROJECTS

Project: Cornerstone Church and Chu Properties, Livermore, CA, USA, 2024-2025 - I performed a geotechnical exploration for the proposed residential development project in Livermore, California. The proposed development is a mixed-use site with multi-family homes and a 5-story affordable housing building on a concrete podium foundation. I scoped the subsurface exploration, which was four CPTs and three drilled borings, with one CPT and boring co-located for cross reference. I logged the soil encountered and developed a subsurface profile using the boring logs and CPT data. I determined the laboratory testing program to evaluate select soil samples for their engineering properties, and used them to calculate liquefaction-induced settlement. I calculated liquefaction susceptibility using the methods by Bray and Sancio (2006) and liquefaction settlement by Youd (2001) and Idriss and Boulanger (2008). I performed slope stability analysis with the software Slide2 to analyze static and seismic stability of the creek bank at the site for lateral spread potential. I calculated the appropriate bearing capacity for the design of the 5-story building's spread footings foundations. I wrote the geotechnical report that described our geotechnical findings and design recommendations, including the 5 story building foundation, post-tensioned residential building foundations, retaining wall design, and earthwork.

Quinlan Parker

Project work experience from July 2023 to September 2025

Project: City of Oceanside Storm Drain Upgrades, Oceanside, California, USA, 2023 - The City of Oceanside Storm Drain Upgrade project involved the replacement of four damaged storm drains crossing beneath busy roads. These old storm drains frequently flood during rains and have severely affected the quality of the pavement, causing danger to drivers. I performed the geotechnical investigation for the four new storm drain undercrossings. I coordinated and performed the site exploration and logged the soil borings and performed hand-auger borings. I prepared a geologic cross section based on the explorations and prepared the lab testing schedule for evaluating select engineering properties of samples. I analyzed lateral soil pressures and bearing capacity of the site soils to provide shallow foundation recommendations and headwall/wingwall retaining wall design recommendations. I calculated liquefaction potential and liquefaction-induced settlement potential. I wrote the geotechnical report that included these design recommendations, as well as pavement design and shoring earth pressures.

Project: P-519 X-Ray Wharf, Navy Base Guam, Guam, USA, 2023 - The overall wharf improvements at X-Ray Wharf at Navy Base Guam include renovation and modernization of the south berth at X-Ray Wharf, Berth 2 to provide utilities for T-AKE class supply vessels. I observed deep soil mixing ground improvement for the expansion on X-Ray Wharf. I worked closely with the drilling contractor to ensure proper depth, mixing rates, and the volume of grout pumped per hole met the project geotechnical specifications. I coordinated with the Quality Control team from Black Construction to make sure the sampling for the elements went as planned. I was the sole engineer on-site to ensure the deep soil mixing construction activities conformed to geotechnical engineering recommendations in relevant reports and plans. I prepared daily field reports detailing my construction observations and geotechnical notes for the deep soil mix elements completed and sampled.

Project: RM 14-1423 Mike November Wharves, Navy Base Guam, USA, 2023 - The project scope includes replacement of the steel sheet pile bulkhead, soil ground improvements, replacement of wharf utilities, construction of a communications building, construction of wharf lighting, pavement, and other appurtenances. I observed the predrilling and installation of vibrated stone columns ground improvement at the two wharves. I worked closely with the installation contractor and was the sole engineer on-site to ensure proper depth, installation equipment vibration rate, and the volume of rock aggregate installed per element met the project geotechnical specifications. I prepared daily field reports detailing my construction observations and geotechnical notes for the stone elements predrilled and completed.

Project: World Logistics Center, Moreno Valley, California, USA, 2023 - I performed multiple geotechnical explorations for the proposed 1-million square foot commercial warehouse development project in Moreno Valley, California. I scoped the subsurface explorations, which included two weeks of drilled borings and CPTs. I logged the soil encountered, utilized SPT and Modified California sampling techniques to effectively sample the very collapsible soil, and developed a subsurface profile using the boring logs and CPT data. I determined the laboratory testing program to evaluate select soil samples for their engineering properties, and used them to calculate collapse and swell potential of the loosely interbedded silts and sands stratigraphy and dry-sand settlement analysis. I performed downhole percolation rate testing to design stormwater management areas at the site and calculated percolation rates of various soils and depths encountered to recommend efficient design parameters. I wrote the geotechnical report that described our geotechnical findings and design recommendations, including earthwork recommendations for mitigation of collapse and dry-sand densification hazards, structural mat and spread footings foundation design for the warehouses, retaining wall design, and pavement design. I performed geotechnical reviews of foundation plans for the proposed warehouses to confirm that the plans were prepared in general conformance with our geotechnical report.

Project: Grayson Repowering Project, Glendale, California, USA, 2024 - The Grayson Power Plant is located at a confluence of two waterways on historical flood deposits, resulting in difficult geotechnical conditions, including potentially liquefiable material. I observed deep soil mixing for ground improvement at the proposed new power plant location. I worked closely with the mixing contractor to ensure proper depth, mixing rates, and the volume of grout pumped per hole met the project geotechnical specifications. I logged verification geotechnical borings to confirm the efficiency of the deep soil mixing program based on SPT blow counts and material encountered. I also logged verification corings of completed deep soil mixing elements and selected core samples to be testing in the laboratory for verification compressive strength testing. I coordinated with the Quality Control team from AGI to make sure the sampling for the elements went as planned. I was the sole engineer on-site to ensure the deep soil mixing construction activities conformed to geotechnical engineering recommendations in relevant reports and plans. I also observed grading and engineering fill compaction at the site to monitor if the geotechnical report earthwork recommendations were properly implemented.

Project: Oat Hill, American Canyon, California, USA, 2024 - The multi-family residential development at Oat Hill consists of challenging hillside grading, soil nail retaining walls, and installation of associated utilities and paving of streets. I observed the drilling, installation, and testing of soil nails to construct a retaining wall to retain an upslope water tank while relaying engineering details of ongoing field operations to the Project Engineer. I verified the field layouts of proposed soil nails with the plans. I logged the drilling depth, inclination, rate, and geotechnical observations during the production and test nail drilling. I verified the lengths and materials of the soil nails before installation for conformance with the plans. I observed grouting of the installed soil nails and installation of panel drains behind the wall to provide proper drainage. I logged verification and proof load testing on select soil nails to verify capacities with

the geotechnical design. I reviewed earthwork density testing records of street subgrade and aggregate base to provide letters of observation to the City of American Canyon, as well as provide remediation recommendations for slope failures that occurred during construction.

Project: Cornerstone Church and Chu Properties, Livermore, California, USA, 2024-2025 - I performed a geotechnical exploration for the proposed residential development project in Livermore, California. The proposed development is a mixed-use site with multi-family homes and a 5-story affordable housing building on a concrete podium foundation. I scoped the subsurface exploration, which was four CPTs and three drilled borings, with one CPT and boring co-located for cross reference. I logged the soil encountered and developed a subsurface profile using the boring logs and CPT data. I determined the laboratory testing program to evaluate select soil samples for their engineering properties, and used them to calculate liquefaction-induced settlement. I calculated liquefaction susceptibility using the methods by Bray and Sancio (2006) and liquefaction settlement by Youd (2001) and Idriss and Boulanger (2008). I performed slope stability analysis with the software Slide2 to analyze static and seismic stability of the creek bank at the site for lateral spread potential. I calculated the appropriate bearing capacity for the design of the 5-story building's spread footings foundations. I wrote the geotechnical report that described our geotechnical findings and design recommendations, including the 5 story building foundation, post-tensioned residential building foundations, retaining wall design, and earthwork.

Project: Cardinal Road Levee Upgrade, Mill Valley, California, USA, 2024-2025 - I performed a geotechnical exploration for the proposed river levee flood prevention project in Mill Valley, California. The site levee is prone to through- and under-seepage and flooding from sea level rise. The proposed mitigation/protection measures include along an approximately 1000-foot-long stretch of levee. I scoped the subsurface exploration, which was five CPTs and two drilled borings along the length of the levee alignment. I logged the soil encountered and developed a subsurface profile and geologic cross sections using the boring logs and CPT data. I determined the laboratory testing program to evaluate select soil samples for their engineering properties, and used them to calculate consolidation, shear strengths, and liquefaction-induced settlement analysis. I calculated a shear strength profile of the soft, compressible Young Bay Mud deposits at the site to then prepare a profile of soil strengths and properties for use in a lateral pile capacity analysis. I calculated liquefaction susceptibility using the methods by Bray and Sancio (2006) of loose levee material. I wrote the geotechnical report that described our geotechnical findings and design recommendations as a basis of design for future work, including construction considerations, variable sheet pile design founded in soft mud deposits or bedrock due to the variability of the site geomorphology, and soil corrosion potential.

Project: New San Francisco Fire Department Fire Training and Administration Facilities, San Francisco, California, 2024-2025 - The new SFFD facilities include live fire and simulation training structures, four occupied buildings, retaining walls, new street, and associated

improvements. The site is located along the San Francisco Bay margins with compressible Young Bay Mud deposits and shallow bedrock across the site. I performed the geotechnical exploration, logged the soil borings, and directed the drill rig crew to take samples at various depth, including SPT, Modified California, and thin-walled Shelby Tube samples. I prepared the laboratory testing plan, which included screening for potentially liquefiable material using the methods of Bray and Sancio (2006) and consolidation properties of soft Young Bay Mud and Old Bay Deposits. I performed the liquefaction susceptibility screening using the methods of Bray and Sancio (2006) and performed the liquefaction-induced settlement analysis using corrected SPT blow counts across the site. I performed slope stability analyses using the software Slide2 to analyze static and seismic stability of the sloping site boundary. I designed and incorporated deep soil mixing elements into the slope stability model for ground improvement and stability purposes to support the proposed buildings. I wrote the geotechnical report that incorporated these design elements.

Project: 300 Piedmont Avenue, San Bruno, California, USA, 2024-2025 - The proposed residential development at 300 Piedmont Avenue in San Bruno involves the demolition of the existing school at the site, corrective grading measures, mass grading for 155 single family home lots, paved drive areas, and associated improvements. The site is located along a bedrock ridgeline with development extending to the edges of the hillside slopes. I planned and performed the geotechnical exploration at the site which consisted of logging 15 test pits across the site to map the depths of existing artificial fill and depth to bedrock. I designed the laboratory testing schedule of samples collected to evaluate engineering properties of the existing fill to be re-used as engineered fill at the site and to understand strength parameters for slope stability of the fill along the edges of the site. I performed slope stability analysis using the software Slide2 modeling corrective grading keyways and geogrid reinforcements of proposed fill slopes for static and seismic stability. I designed rigid and flexible pavement sections and retaining walls based on lateral soil pressures for various backfill inclinations. I designed the corrective grading plan which includes perimeter keyways embedded into competent bedrock material, a keyway subdrainage system, and artificial fill removals across the site. I approved the excavated keyways at the site by inspecting the dimensions, locations, and embedment depths into competent material as recommended in our geotechnical report. I performed geotechnical reviews of improvement plans for the proposed residential streets and bioretention basins to confirm that the plans were prepared in general conformance with our geotechnical report. I performed review of nuclear gauge density testing during mass grading and improvements installation to confirm that the earthwork is being performed in general conformance with our geotechnical report.

Project: Petaluma Public Safety Facility, Petaluma, California, USA, 2025 - The Petaluma Public Safety Facility consists of a two-story tilt-up concrete, 20,000 square foot building for essential police and fire services, and includes paved parking and drive area, pier-supported shade structures, and retaining walls. I scoped and planned the preliminary geotechnical exploration which included 5 CPTs across the site. I designed a lab testing plan from near-

surface soil samples across the site for plasticity index and expansive potential. Using the CPT data, I performed a liquefaction susceptibility analysis and bearing capacity analysis for the building foundations. I wrote the preliminary geotechnical report that included these design elements and recommendations for a design-level exploration report. I later scoped and planned the design-level exploration which included 3 borings at the site of the proposed building. I designed a sampling plan for the borings, targeting loose potentially liquefiable sandy soils and soft compressible fine-grained soils. I designed a laboratory testing program of the samples to screen for liquefaction susceptibility, expansive potential through plasticity index, and developed a shear strength profile from lab strength testing. I performed a liquefaction settlement analysis based on the lab results and exploration logs. I used this and the subsurface strength profile to design shallow spread footing recommendations for the proposed building. I designed recommendations for the pier-supported shade structures, and prepared lateral soil pressures and foundation recommendations for site retaining walls. I analyzed the near-surface soil and designed flexible and rigid pavement recommendations. I prepared the geotechnical report that included these design recommendations.

Project: Petaluma River Park, Petaluma, California, USA, 2025 - The Petaluma River Park project involves grading of the McNear Peninsular and adjacent site along the Petaluma River to construct a pedestrian bridge across the river, bandshell amphitheater, restroom and community center structures, parking area, and sports courts. The site has both soft Bay Mud deposits prone to consolidation under new loads and liquefiable sand layers prone to liquefaction-induced settlements in an area of high seismicity. I performed the geotechnical exploration which consisted of logging five solid flight and mud-rotary wash borings and observing eight CPTs. I prepared the exploration permits in accordance with Sonoma County. I coordinated with the subcontractors and directed sampling depth, sampling type, and termination depths of the borings and CPTs. I designed the laboratory testing program on samples collected to evaluate their engineering properties, including liquefaction susceptibility of sandy soil, consolidation properties of Bay Mud deposits collected with thin-walled Shelby Tube samples, and develop a shear strength profile of the subsurface conditions. I performed the liquefaction susceptibility and settlement analysis based on SPT blow counts to estimate ground surface settlements due to liquefaction of sand deposits across the site. I also analyzed the CPTs for estimated liquefaction settlements using the software Cliq. I analyzed the CPT data and laboratory shear strength and consolidation data of the Bay Mud deposits to calibrate the Nkt value of the CPTs to align with the lab results. I used this to design an idealized overconsolidation ratio profile of the Bay Mud deposits at the site to use with the SHANSEP strength model to estimate consolidation settlements due to up to 15 feet of added earthwork fill loads. I then used the software Settle3D to validate the estimated settlements and to estimate the time length to various percent completed of consolidation settlements of the Bay Mud. I designed flexible and rigid pavement sections for the site based on anticipated traffic indices. I designed retaining walls for lateral earth pressures and footing dimensions and bearing capacity. I wrote the geotechnical report for the project that incorporates our recommendations for the previously described items.

8. Land Surveying Experience Concurrent with Education

Joe Lombardo
Governor

Mark J Fakler, PE
Executive Director

Brent L Wright
Board Chair

Memorandum

September 5, 2025

To: Board Members
From: Board Staff
Subject: Consideration of Practical Experience in Land Surveying - (Professional Land Surveyor)

Discussion

The Board was established to regulate the practice of land surveying in order to protect the health, safety, and welfare of the public. Licensure standards, as described in Nevada Revised Statutes chapter 625, are the mechanism through which the Board ensures that only individuals who are competent to practice are authorized to do so.

The Board has historically interpreted the statutes to require a minimum of eight combined years of education and experience, applied sequentially. This approach has largely been applied in engineering cases, which make up the majority of the Board's applications. Engineering and land surveying, however, are governed by separate statutory provisions, and the standards for evaluating experience in each profession are distinct. In engineering, a broad mastery of theoretical principles is generally expected before professional practice, making a sequential pathway logical. This interpretation has provided consistency in licensure decisions. However, the statutory framework for land surveying is distinct and allows for different considerations in preparation, as reflected in the Board's past acceptance of land surveying experience gained prior to completion of formal education.

Practical experience in land surveying has often been recognized as valuable even before completion of formal education. In many cases, skills are first developed in the field, then reinforced through academic coursework, and later strengthened with additional practice. The Board has accepted such sequencing in the past.

As land surveying education evolves and more students engage in professional work while pursuing their degrees, concurrency may appear with greater frequency. This raises the question of how such applications should be evaluated in a way that preserves consistency while reflecting the realities of professional preparation in the land surveying field.

From a public protection perspective, the key standard is whether the applicant demonstrates minimal competence to practice land surveying responsibly. In the land surveying context, concurrent education and experience may reinforce one another, allowing classroom learning to be applied directly in practice. This integrated pathway looks to be consistent with the character of land surveying as a profession and, staff believes, could be considered within the statutory framework.

The statute does not explicitly require that education and experience be obtained sequentially. The Board retains discretion in determining whether experience is satisfactory, but any interpretation must remain grounded in the statutory framework. From a public protection perspective, the key standard is whether the applicant demonstrates minimal competence to practice land surveying responsibly. In the land surveying context, concurrent education and experience may reinforce one another, allowing classroom learning to be applied directly in practice. This integrated pathway looks to be consistent with the character of land surveying as a profession and could be considered within the statutory framework.

Summary

The Board was established to regulate the practice of land surveying to protect the health, safety, and welfare of the public. In carrying out this mandate, the Board must balance consistency in past interpretations with its duty to apply the statute as written. The statutory test is clear: an applicant must demonstrate minimal competence to practice land surveying in a manner that safeguards the public.

While the Board has historically applied an eight-year model, that interpretation is not mandated by statute. In the specific context of land surveying, evolving educational and professional pathways may support recognition of concurrent education and experience where the Board determines that an applicant demonstrates minimal competence and that public protection is preserved.

The central issue for the Board is whether concurrent education and experience for land surveyor applicants can be recognized as meeting the requirements of NRS 625.270 in a manner consistent with its statutory mandate to protect the public. In reaching its decision, the Board should consider its historical interpretations and the evolving nature of professional preparation in land surveying, within statutory and regulatory parameters. This is intended solely for evaluating land surveying licensure under NRS 625.270. It does not alter or establish precedent for engineering disciplines regulated by the Board, which are governed by separate statutory provisions. Staff offers this memo in support of the Board in reaching an informed and measured decision.

9. July 17, 2025, Board Board Meeting Minutes

NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS
Minutes of the Regular Board Meeting
Held in Virginia City, NV, Thursday, July 17, 2025, at 8:30am

Board members participating were Chair Brent Wright, PE/SE; Vice-chair Matt Gingerich, PLS; Angelo Spata, PE; Karen Purcell, PE; Michael Kidd, PLS; Greg DeSart, PE, Robert Fyda, PE, and Jay Dixon, PE.

Also joining were Mark Fakler, Executive Director; Chris MacKenzie, Board Legal Counsel; Murray Blaney, Operations/Compliance; Ed McGuire, Professional Standards; Steve Hiner, Investigator, and Jasmine Bailey, Licensing.

Tom Matter, public member, was excused.

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. 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.

Mr Wright 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.

5. Consideration of initial licensure applicant requests to waive certain requirements of Nevada Revised Statutes and Nevada Administrative Code Chapter 625.

Ms Purcell recommended denial of the request to waive NRS 625.183 (4)(b) made by Kenneth Gilbert applying for fire protection engineering licensure. Ms Purcell said she had initially reviewed the record and had asked for additional experience, but with the additional information provided it was still difficult to determine his level of fire protection engineering involvement in projects. In addition, she

did not feel satisfied with his references. Ms Purcell requested that Mr Gilbert update his NCEES record with specific fire protection engineering experience and include at least one reference from a licensed FPE and then resubmit the waiver request.

Mr Wright suggested that the board delegate consideration for approval of the Gilbert application to Ms Purcell pending her acceptance of the requested items. The board members agreed.

25-38 A motion was made by Ms Purcell, seconded by Mr Kidd to deny the waiver request with recommendations noted. The motion passed unanimously. Mr Matter was excused from the vote.

Mr DeSart recommended approval of the request to waive NRS 625.183 (4)(b) made by Haylee Sesock applying for environmental engineering licensure.

25-39 A motion was made by Mr DeSart, seconded by Ms Purcell to approve the waiver request. The motion passed unanimously. Mr Matter was excused from the vote.

6. Board approval of non-appearance applications for initial licensure. Refer to Addendum A for list of applicants.

The Board reviewed seventeen applications in the board packet for initial licensure and recommendations were made.

25-40 A motion was made by Mr Kidd, seconded by Mr Spata to approve the applications for initial licensure contained in the board packet with recommendations noted. The motion passed unanimously. Mr Matter was excused from the vote.

The Board reviewed sixteen additional applications in the supplement to the board packet for initial licensure and recommendations were made.

25-41 A motion was made by Mr Fyda, seconded by Mr DeSart to approve the applications for initial licensure contained in the board packet with recommendations noted regarding Mr Gilbert's application and waiver request. The motion passed unanimously. Mr Matter was excused from the vote.

7. Discussion and possible action on approval of May 8, 2025, board meeting minutes.

25-42 A motion was made by Mr Spata, seconded by Mr Kidd to approve the May 8, 2025, board meeting minutes. The motion passed unanimously. Mr Matter was excused from the vote.

8. Discussion and possible action on approval of June 12, 2025, interim board meeting minutes.

25-43 A motion was made by Mr Gingerich, seconded by Mr DeSart to approve June 12, 2025, interim board meeting minutes with the recommended revisions made. The motion passed. Mr Gingerich was excused from the vote.

9. Discussion and possible action on financial statements.

a. Dec 2024

b. April 2025

c. May 2025

Mr Fakler said the financial statements were presented in the meeting materials for the board's consideration. He added that the December 2024 statements were added after it was noticed that they were inadvertently left off the agenda (and the packet) for the March 2025 regular board meeting. He asked if there were any questions from the board. There were none.

25-44 A motion was made by Ms Purcell, seconded by Mr Fyda to approve the December 2024, April 2025, and May 2025, financial statements. The motion passed unanimously. Mr Matter was excused from the vote.

10. Discussion and possible action on compliance reports by Compliance Officer.

Mr Blaney reported on the status of the four (4) open compliance case files. He also noted there were eighteen additional complaints under review for probable cause. There were no questions from the board.

a. Compliance officer report on complaints being investigated.

b. Consideration of probation reports.

Dooley Riva, PE #18231	Buckley Blew, PLS #24520
Mark Johnson, PE #19830	Robert Mercado, PLS #10352
Lyle Scott Mackay, PE #15131	Andrew Hammond, PE/PLS #21191
Kevin Gutman, PE #28002	James "Mick" Powers, PLS #15072

Mr Blaney presented the probation reports for board consideration and asked it there were any questions. There were none.

11. 9:30 AM - Andrew Hammond oral interview to consider the reinstatement of suspended Professional Land Surveying license and to determine areas of competency within professional land surveying. Related to the Supplement to Stipulated Agreement for complaint # 20220009. (For possible action) Portions of this oral interview may be conducted in closed session pursuant to NRS 241.030.

Mr MacKenzie introduced the agenda item. He said it relates to the terms of a Supplemental Stipulated Agreement requiring Mr Hammond to appear before the board for an oral interview to consider reinstatement of his suspended license. Mr MacKenzie stated that because this is a review of competency, Mr Hammond had the option for the oral interview to be held in a closed session.

Mr Hammond requested the oral interview be held in closed session.

25-45 A motion was made by Mr Gingerich seconded by Mr Kidd to move to a closed session for Mr Hammond's oral interview. The motion passed unanimously. Mr Matter was excused from the vote.

The board conducted the oral interview with Mr Hammond in closed session. No minutes were taken.

25-46 A motion was made by Mr Kidd seconded by Mr Gingerich to reopen the meeting to the public. The motion passed unanimously. Mr Matter was excused from the vote.

Chris MacKenzie (CM)
Thank you, Mr. Chair. Just for the record, we went into closed session. The board members addressed questions, and at the end of that they had a motion and a second to reopen the meeting, and that's where we are now. So, with that the board is free to deliberate on the question. Or, if you have further questions, we could go back into closed session regarding competency. So, at this point in time, it's time for you to ask questions, or deliberate.

Michael Kidd (MK)
So I'll start with just some concerns that I have doing any mapping without a title report is a huge red flag for me. Your general lack of knowledge of Nevada statutes, and not being familiar, the way you approach your work. I don't think you have the mapping experience and know Nevada well enough to be mapping in Nevada. Now, I don't know if that means you have a survey license. And you understand that one of your areas of expertise currently is not mapping in Nevada until you build those skills. I don't know how that works. One of the questions that you were struggling with…that through my survey career. I'm always of the mindset that a mistake is made. I'm trying to find it with my work. So, I have checks and balances built into my work to flush out those mistakes. We asked you a couple of different ways. The question of how do you true up your stuff? Whatever control network I'm setting up, there's a couple of legs of that control network that I'm verifying with a conventional instrument as I'm taking all that satellite data, and I'm bringing it up from the ground. I don't trust the buttons that are being pushed. That's just the way I think, okay. And I'm always looking to true that up with a total station. Yes, okay, some kind of conventional instrument just to do a gut check. I don't trust the data enough not to do that.

Andrew Hammond (AH)
Can I ask just for my knowledge? So, you said that you want to true up a couple of legs, so you'll just start total station on a point, and you'll just run a traverse through the points to see if it closes.

Matt Gingerich (MG)
I can help out. You know, the opus thing and the static observation today are so black box. You're setting up a receiver and collecting data. You have no idea what's being collected. You process it through opus and out pops a coordinate. There, I mean, you're not having any quality control on that. By what you described simply, you could just have turned on your VRS and checked that point to see. What am I matching to my coordinates? Or at least within a tenth or something like that? That's a simple check, I

would never randomly set up and not have some means of providing a check on myself. Okay? And there's a 1010. Yeah, there's dozens of different ways to do your check but doing a boundary survey with VRS, it's very concerning. I can't duplicate my results in VRS.

AH
Are you always like a 10th or 2 tenths off?

MG
Well, it varies.

MK
And I would remember where you are in that VRS.

MG
Absolutely. And I would never set one of my property corners using that tool.

AH
And I have found that. And that's why I did say I do set control. And I'm not arguing with you. I 100% agree. But that's why I do set control on all my jobs, and I'll go back with VRS, make a localized coordinate system, making sure I'm closing back on that control before I set any property. So, I apologize about not being clear on that

MK
If you set control with VRS and you go back to the VRS to check to make sure you're closing on it. That's not a check.

AH
From the research that I've read on VRS networks from day to day. As long as you create a localized, they are saying that the accuracy is there that's stated on the machine. And I can show you that documentation. But I'm not arguing with you, but I will definitely. I love your guys, input and your feedback and I will definitely run more total station through all my jobs because it's set, you know, total station. I do love. The accuracy is amazing. And then I have all robotic gears. So it's still a 1 man operation. But I do value your input. I appreciate that.

MG
I think that's my concern. Is there just needs to be some follow up somebody that he can bounce his ideas off. Is that a good idea out there as an independent surveyor? I'm not comfortable doing something without having somebody look over my shoulder and say, I agree with what you did. I mean, when you file a parcel map, something of record that people rely on, if there are errors it could be a real nuisance to them.

MK
If you agree that your area of expertise is not mapping and you're a Nevada licensee. You're going to survey Nevada. But you're not going to map until something changes. I don't know, you know, if that's possible.

Greg DeSart (GD)
Yeah, it's great to start here. And once again. I'm not a surveyor. And I know that one of the concerns in the surveying industry is people buying the newfangled equipment. You know, drones, especially I've actually seen quite a few talks about drones, and all the cool things they can do, but if you can't tie it to reality, then you end up with garbage in garbage out, right? And I think, Mr. Hammond, I don't know if you really realize the risks you're taking by not having any QC. You mentioned being ambitious, which is great. I think you might have a little bit of a blind spot to the risks that you're taking without having anybody oversee your work or check your work, giving you advice and that sort of a thing. So, I agree with what Mr. Kidd is saying that there has to be an order. If we agreed that we would want and the Board was comfortable with him doing land surveying in Nevada. I think there would need to be a stipulation that he needs to work under the direction of another licensed PLS, at the very least.

Karen Purcell (KP)
I have a question, Karen Purcell. I'm an electrical engineer. This is more for Mr Mckenzie. So, in the stipulated agreement, it, required this oral interview. So, what's the next step. How does that all work?

CM
It would be a decision and order based on the oral interview, potentially we could even do it through stipulation. If you agree to all the terms, to what you would require for him to have his license reinstated, it is currently suspended until the board is satisfied and you can limit the scope of what he could do, something he doesn't need oversight from a Nevada surveyor, certain areas of surveying. You know that much better than I do more than he has to have hired, you know, a surveyor, for certain types of work for a certain amount of time, or a certain number of jobs, until you know it's the experience you feel comfortable with, and you can make it subject to future review by the board, too.

AH
Can I interject? I love getting feedback from other professionals. I would love the opportunity to submit my work to another licensed land surveyor. I'll be glad to pay for their review time, and then, if that gets me approved to do these things. Because I do want to be a fully licensed surveyor with an open end of what I can do. But I understand that you guys feel I have limitations. I'm more than happy to admit that. Yeah, my mapping is weak. I have a couple of friends in Nevada. I don't know if that's going to be a conflict of interest, or if it has to be completely independent. But I'd be happy to pay for anybody's time to review my work if that gives you guys confidence in my abilities.

MG
I think, it's not reviewable work so much. I think there just needs to be some mentorship, apprenticeship. I don't know what that duration is, I don't think it's the full duration, 4 years. I do have another, a little bit

of a concern with the engineering aspect of it. So much of what you do with expertise as an engineer. I would say construction staking, for example, there's a lot of construction staking that an engineer could do. You said you weren't interested in that part of it.

AH

I just don't enjoy it. I mean, if it's a client that I like, I have some really good clients that are saying, hey, Andrew, you're my go-to guy. I would love for you to do the construction staking, and I really am an ambitious person. I love to help people, and for those jobs I will take on construction staking.

MG

Yeah, I just think that boundary survey is a real problem for me, the topo, I have some concerns, but not as much as the boundary stuff. I don't know. There just needs to be more apprenticeship type supervision.

GD

I was thinking along those lines, more than just reviewing, if you've prepared a map it is almost too late at that point if there's a problem. Working with a PLS, to plan out your work flow and your work, plan and your checks and balances for every project, and then maybe even have an intermediate check in. And then a final review, or something like that by another PLS to me that seems like that's gonna help him get the mentorship he needs.

AH

Can I make a a suggestion, though, that we only really do the apprenticeship for mapping. I don't really honestly do a lot of mapping. It's one of those things that if I probably won't do at all. But for other disciplines and land survey, I kind of still want to just do those, I love site plans. I love Topo like you're saying. If it's mapping, I would fully be on board with saying, hey, look, I'm going to go through your work plan idea and the intermediate and the final steps, and pay for a PLS's time to do that. But can it only be for the mapping?

MG

I'm struggling because the quality control process you described for your geodetic work was not there. And that's mapping. But that's the 1first step. And putting the map together is the control network.

AH

Yeah. And I'm okay with like, I'm fully onboard with preparing a work plan, discussing it with that mentor, whoever you guys decide and going through that for mapping and setting that control. Is that adequate.

MK

To build on what Mr Gingerich concern, and I think I'm in the same place. Yeah, it affects the mapping, and how you approach all that but just measurement in general, measurement science is the procedures you described. I think we both feel your procedures need a little tightening up just with measurement.

Don't take what the black box is giving as gospel. You got to have checks and balances to gut check that black box data, and there's a variety of ways that you can do that.

AH
So I hear what you're saying. And want to use less GPS and more total station.

MK
No, no, not necessarily.

AH
Just when you say black box. What do you mean by that?

MK
Well, you're using a VRS, and you can repeat the same mistake with the VRS. If your VRS network is configured this way, you're on the edge of it where you don't have good geometry from satellites or the VRS. You could easily repeat that same mistake and feel you're really good until you use a different tech to true up a couple of those lines or something. Yeah, that's the the approach I take. Okay. And Matt may have some different suggestions, but I'm always throwing a conventional leg or two that I have to gut check because I'm not trusting the black box.

AH
So when you're saying conventionally. Are you saying, then you pull out your total station?

MK
Yes, okay. I'm not running through all the work. I have to true up a couple of lines. Okay, a line in this direction a line in that direction. Because if there is something funky going on with the VRS. Or something, you know, or Opus and you weren't aware of it, you're getting these black box results. You have to have procedures to true them up.

AH
Okay, yeah, I will definitely take that into consideration. I own all that equipment. I feel very adept at using the equipment. I know how to run traverses through total station. I feel like one of my strengths is total station. I will utilize that tool more for sure.

MG
So I guess our decision right now is to remove the stay or not. Right. That's the first thing. I'm not comfortable doing that. But I don't think that that's the end. I think we need to come up with a path for Mr Hammond, and I don't know that I'm really prepared to do that right here. I don't know if that's something we can work through. Would there be a revised, stipulated agreement that would perhaps lay out a path.

CM
Well, at this point now, you could reject, you could tentatively approve. We could, you know completely tentatively approve, based on some conditions that you're not prepared at this point in time, we can do it

in the form of a decision and order. But it's gonna have to be a board decision if it's a stipulation that goes back through staff working out the terms, presenting them to new impairment, coming back before the board for consideration.

Angelo Spata (AS)
Could a board member, Mr Gingerich for example, be assigned to come up with those solutions.

CM
Sure. I guess the Board could best assign the matter to Matt and Michael both, with the authority to come up with terms for a proposed stipulated agreement.

AS
So any stipulated agreement ultimately comes to us for approval?

CM
I'm saying that you could come up with the terms and not necessarily have to come back to the board for approval.

Brent Wright (BW)
We could vest Mr Gingerich and Mr Kidd with coming up with the terms on behalf of the board.

Murray Blaney (MB)
There might be a concern with two board members and Open Meeting Law, but for continuity, we could have the original board liaison be vested with the task.

CM
That's a good point. It's a matter of getting input from each potentially, individually, without them collaborating or participating in serial communication. It's working with staff to make sure both their concerns are covered.

MK
We should keep us both in the mix but communicating through staff.

CM
But we don't want a serial communication, and it's technically not a violation, because it's not a quorum, but they're providing individual input to staff as to what the terms were. Hopefully, there'll be no conflicts of what the two come up with and it could come back to the board for review at a later meeting. I think that it would be a good solution, so it could be in the form of a stipulated agreement, or it could be just a decision and order. We don't have to do a stipulation if we can't or want to. It could be just your decision, it's up to you guys.

MK
So I don't know just how I feel as a licensed professional. I love the idea of mentoring and trying to fill in

some of the gaps for Mr Hammond. I don't see that as a board function I'd be more than happy with my time to help, but as board I don't know that that's the board's role, unless some of you may feel different.

MG
I agree with you. I guess, this is kind of where I've got, I'm not comfortable with lifting the stay but I do want to give Mr Hammond a path forward, but I don't want to make that decision right now without putting some thought to it.

MB
We have had situations in the past with an engineer who struggled within his discipline with certain things, namely, it was a civil doing structural work, and what the Board did is directed them to get mentorship and then get feedback from those mentors as to where this engineer is in his area of expertise. And then it comes back to the board with a recommendation, with feedback from that mentor. So there has been a precedent. I know I'm using that term, but there has been a pathway before where that has been directed towards an individual. So that is an option, not a decision to be made.

CM
Is there anything you could limit? What could be done with the license? If you look to lift the stay now and then you would allow a small portion of whatever portion of surveying practice.

MG
I'm not there.

MK
I'm right there with Matt.

MG
He gave me, or he provided this letter that pretty much covered the scope of survey, and I think what's fundamental to me as a professional is knowing where my limits are, and I'm not sure Mr Hammond has that concept.

AH
So can I interject, am I allowed? I value your opinion. I think it's important that I be able to practice in the in the spots that I'm good at. How do I do land survey without a license? I think I need to have the stay lifted, so I can at least practice and get mentorship. I mean, that seems logical to me. But I could be wrong.

GD
I have a thought that I just want to throw out there for discussion. And what if you keep the stay in place and require you to work under the direction of a PLS who actually would stamp the work as the PLS providing the mentorship and then for each of those projects Mr Hammond could prepare work, plan a summary similar to other people that are on probation, for every project he works on, here was my work plan, here's what I did, here's the actual pls who stamped it. Your company could still be hired, and then

you could subcontract to a pls to actually oversee the work, whereas you're there to really be learning. So he is still able to practice, and his company to be functional, but he's not in responsible charge of any of the surveying. He has to be under the responsible charge of another surveyor from another company and he's really learning. We could decide that today and then put the work on him to convince the Board later and come back at a later date, and we could even set a time six months or 15 projects we can come up with some criteria that once he's done that he's eligible to come back to the board and have another interview.

MK
What you're proposing is that under the purview of probation.

GD
It would be essentially like he's not. He has a license, but he's not using it. I don't know what the term would be.

MB
If I may, that wouldn't be legal, because you can't offer land surveying services without a license and without having a land surveyor in responsible charge. He would need to employ a land surveyor and get his mentorship under that, or he could refer out. Say, he's contacted, even though he's not advertising land surveying services. If somebody comes to him he's not advertising it and says, can you do the engineering and land surveying? He would say, I can do the engineering. I can't do the land surveying, but I can refer you to this land surveying company. Then Mr Hammond, as an unlicensed person, does everything behind the scenes, and then it's stamped on the other company's total block.

GD
It's pretty common for firms to subcontract certain portions of the work. And you could even take another land surveyor work to a different company, or maybe even owns their own company, and they become a contracted employee at that point. Would that be legal at that point?

MB
That would be as long as there is an employment relationship as opposed to a consulting relationship.

CM
If he's not licensed and there is not a licensed land surveyor employed by his firm he cannot contract to do surveying.

AH
I know you guys aren't here to help me. But it is important for my business to offer land surveying, and I would love for there just to be a block on my say, hey, you're not ready for mapping yet in Nevada. I do hundreds of maps in California. Is that a possibility? We could just say, Hey, if you're going to do mapping, run it through Murray, or run it through, Ed, and say I have a mapping job that I'm really interested in doing. To be honest, I'm probably not going to do any mapping now, but if I for some reason, there's a client that, said Andrew, we really just want you to do the mapping. At that point I'll

contact Murray and say, look. I have a mapping project. I really want to get done. I'll run through mentorship. I'll do the work plan. As stated, I'll do intermediate steps, and I think the board should feel confident. If I do take a mapping job on that, it's going to be through another land surveyor who is going to do plenty of oversight, and I'm going to be learning in the process. I would really greatly appreciate something like that rather than just blocking my entire license, not allowing me to do a lot of other aspects, and surveying that I feel that I'm really good.

BW
Are there aspects of surveying that you think he could do.

MG
I'm struggling to find that. I'm really leaning toward the stipulated agreement with some guidance on it. But we'll give him the path forward.

CM
Which would still require his agreement to the terms, but there seems to be a little push back on that.

AS
Let's see what the PLS members propose, but I think it's still related to the right spot to start thinking.

MK
That was what we talked about earlier with the two of us, working with staff, not with each other with staff and coming up with how that outline works.

AS
And give you some time to digest it outside this meeting.

AH
I just feel like this meeting hasn't been a super good opportunity. Maybe I blew the meeting. Maybe you guys don't. I mean, I'm doing 4 surveys this week in California. I would love for you guys to see me in practice and maybe prove myself that I know how to run the equipment. I know how to go out, find monuments I know how to use, you're a big proponent of total station.

MK
I'm proponent of finding my mistakes. I assume I'm making a mistake. Okay? And I have procedures in place that flush out those mistakes to me. That is part of the heart of land surveying. You get too confident in your equipment, and that's dangerous. Okay.

AH
I respect that. But like I can't demonstrate that I'm not just trusting, like you said the black box, that I can fully keep both getting out my total station, checking links, checking varying distances, doing the math angular closures.

MK
I understand. Yeah, perhaps you're taking what we're saying, and you're agreeing. But that is not how you described your procedures. That's not how you work. And that's what we're dealing with right now. Okay, doing a map without a title report. That's super dangerous.

AH
So let me let me just…the title report honestly, was just a mind blank. Yes, I know title reports are definitely important. And again, it's like this meeting has been so critical to my profession, and the fact I just forgot to mention the title report. I apologize, and yes, on all jobs I get a title.

MK
You didn't forget to mention title reports. You were asked specifically, and you said sometimes you don't have them. You didn't forget to mention.

AH
Yes, that is true, and some, and then you're right, and it's California. By the end of the map recordation. There's always a title report, and I admit that I made a fault there.

MK
But that feeds into you're submitting a half-baked map to an agency for review. If you don't have that title report before you submit that map to the agency. Yeah, that maps half-baked and you're wasting that agency's time.

AH
Okay, I hear you. I appreciate that.

BW
It's time to make a motion.

MK
I'll make a motion for the process, as described, with working with staff to try to come up with some kind of an outline for a path forward. I don't know if that's specific enough

BW
And that would be via a stipulated agreement?

MK
Yes and the intention is to offer it back in a timely manner.

BW
With the intent that is could be ready within a month for consideration by the board at the interim meeting.

CM
Yes, based on what has been said we can likely put something together by then. But Mr Hammond will need to understand that his license will still be in suspension. It could be just a month, but we are working toward some stipulated terms.

AH
I appreciate that. I appreciate the board and your feedback. And you mentioned that, you think that I'm hearing it. And you think I'm understanding. I'm definitely understanding what you're saying. I'm taking it in. I can spit back exactly what you told me, so don't think it falls on deaf ears, you know.

CM
I would ask along those lines, maybe as a Board if there is interest in still keeping a probation period for a certain amount of time, reporting requirements, and things like that.

MK
Yes, I think so, with review of work.

CM
Yes, okay. What period of time?

MK
At least 12 months.

AS
But again, as you guys go through that you can decide what is appropriate, it doesn't need to be decided now.

MB
And to it is to be noted from the original stip, probation still in place through at least February 2026.

BW
Should we then consider two motions. One to consider the removing of the stay and the other related to the stipulated agreement as discussed.

MG
I will make a motion to not lift the stay.

MK
I second.

BW
All in favor

All ayes (25-47)

AH
Can I ask a question? How do I practice land surveying with no license?

CM
You don't until this the suspension is lifted. The next step between now and next month is we will propose something to you to consider. If you sign it and agree to it, then the Board would consider it, you know, at its next meeting in a month. So, if one of those terms that they come up with is allowing you to practice with whatever terms they put on that.

AH
Okay, I just need to be able to have a license to prove to you guys through the mentorship and all these other avenues that you guys are proposing.

CM
Those would be part of the conditions.

AH
Okay, perfect. Okay, yeah, I understand.

BW
Do we have a second motion.

MK
Second motion to follow the process that we outlined for us to work with staff to come up with what that outline of that stipulated agreement would be, and the corrective mentoring type procedures that we can suggest to Mr Hammond within that stipulated agreement to provide a path forward.

MG
I second.

BW
All those in favor.

All ayes (25-48)

AH
Thank you for your time. I really appreciate the opportunity.

12. <u>Discussion on Board Counsel Report.</u>

Mr MacKenzie said he was exploring the use of a hearing officer for a compliance case. He said it relates to the complaint that had a continuance granted at the May board meeting. Mr MacKenzie stated NRS 622A allows the use of hearing officers by the board, but he would explore more and report back to the board with clarification for consideration at the next interim board meeting.

13. Discussion and possible action on administrative report by Executive Director.

a. Approved licensees report

Mr Fakler reviewed the approved licensee report as presented in the board packet and answered questions from board members.

b. Action items related to 2021-2025 Strategic Plan

Mr Fakler said with adjustment of the November Board Meeting to Thursday the 6th, the strategic planning update session has been rescheduled for November 5, 2025, in Reno. He added a calendar reminder would be sent out to board members.

c. Items related to National Council of Examiners for Engineering & Surveying (NCEES)

i. Report on combined Western & Central Zone Meeting held in Albuquerque, NM May 15-17, 2025.

Mr Fakler said he was unable to attend the meeting, but understood that two items of note were the CBT SE exams and the roll out the modules for the new PS exams.

Mr Wright said taking the computer based exam at a work station with a single monitor was a big concern impacting time needed to take the exam. He said issues were discussed and the impacts to exam takers struggling to finish the exam questions. Mr Wright said NCEES is aware and is working on solutions and hopefully they will have more to report at the annual meeting to be held in August.

Mr Kidd said the new PS and PLSS module change is on track to be released and this board will need to consider the pathways for those that take one or both of the modules when applying for licensure in the state, and for both comity and initial applicants. As an example, he said those applying for initial licensure who may not want to take the PLSS module, whether it be time or cost, could still be considered because the content of our state specific exam is PLSS heavy and would assess minimum competence in that area. He added for those who do take both modules, an alternative state specific exam could be produced.

Mr Blaney added an initial discussion at the March board meeting mentioned the forming of a working group to look at all the moving parts, and that with the state specific exam having significant PLSS content, we were covered if after release of the modules, someone did not take the PLSS module. He said staff are moving to identify possible actions to be taken. (ACTION Item)

14. Consideration to give the Board Chair, Brent Wright, the authority to vote on behalf of the Board at the National Council of Examiners for Engineering & Surveying (NCEES) Annual Meeting.

25-49 A motion was made by Ms Purcell, seconded by Mr Spata to give the Board Chair, Brent Wright, the authority to vote on behalf of the Board at the National Council of Examiners for Engineering & Surveying (NCEES) Annual Meeting. The motion passed unanimously. Mr Matter was excused from the vote.

15. Discussion of National Council of Examiners for Engineering & Surveying (NCEES) Annual Meeting Conference Report and Action Items.

a. NCEES annual meeting consent agenda includes 64 motions, board staff recommends Nevada supports keeping all motions on the consent agenda.

b. NCEES annual meeting non-consent agenda includes 6 motions, board staff recommends Nevada considers the recommendations made in the Memo to the board dated July 3, 2025.

Mr Fakler said the conference materials are included in the board packet along with a memo relating to the motions to be considered. He said Ms Mamola was online and available for questions.

Ms Mamola said the memo was presented for the board to consider for consensus leading into the meeting, but obviously that could change as the business sessions get underway at the annual meeting and new information comes to light during meeting discussions.

Mr DeSart asked for Mr MacKenzie's input on the scenario of the board adjusting its vote at the national meeting in a non-public meeting.

Mr MacKenzie said what the board has presented in this meeting, having the item agendized and the materials presented, and a means for public comment, is giving the public the opportunity to participate. He said it is a national board that is ultimately making the decision, and this board is providing input and not making that final decision. Mr MacKenzie added that anything that arose from the national meeting that would impact the state would come back to this board in an open meeting setting for additional opportunity for public participation.

Mr Spata said he had reviewed all the items on the consent and non-consent agenda and concurs with the consensus recommendations made in the staff memo.

25-50 A motion was made by Mr Spata, seconded by Mr DeSart on a consensus with staff recommendations as presented. The motion passed unanimously.
Mr Matter was excused from the vote.

16. Discussion and possible action on board committee reports.

a. Administrative Procedures Oversight Committee, Chair Brent Wright

Mr Wright said the committee had not met since the last board meeting and he had nothing to report.

b. Legislative Committee report, Chair Greg DeSart

Mr DeSart said the committee had not met since the last board meeting and he had nothing to report, but a meeting should be scheduled around the September board meeting to keep alive the discussion on legislative matters, particularly any reinvention of SB 78, and discuss any future strategy. He added at that meeting it would good to have Mr Spata attend and give an overview of events in the past session relating to that bill. Mr DeSart said keeping the board and stakeholders informed and engaged is an important part of the process. (ACTION Item)

c. Professional Association Liaison Committee, Chair Michael Kidd

Mr Kidd said the committee had not met since the last board meeting, but a meeting will be scheduled just before the September board meeting. (ACTION Item)

d. Public Outreach Committee, Chair Jay Dixon

Mr Dixon reported the committee met on July 3 and received a report from staff on ongoing and planned activities. He said after discussion, the committee gave staff direction on the following action items:

- Expand digital badge program and offer to all licensees
- Develop additional short video content for social media channels
- Explore board hosted PDH opportunities for all licensees
- Formalize a request for speaker process on website

Mr DeSart added that with regard to speaker requests, he would envision that when requests come in staff offer board members opportunities for the engagement as part of the board's greater outreach goals. (ACTION Item)

Mr Kidd said he had suggestion for an additional ethics speaker that he would share with Mr Fakler.

Mr Fakler said he would contact Mr Kidd for the details. (ACTION Item)

e. PLS Standards of Practice Subcommittee of the Legislative Committee, Chair Matt Gingerich

Mr Gingerich said the committee had not met since the last board meeting. He reported that the PLS regulation changes that were adopted in November 2024 and the revisions adopted in June 2025 have been submitted to the LCB for consideration by the Legislative Commission. Mr Gingerich said there may be some items that should be brought to the sub-committee in the near future for consideration, the first being proposed changes to NRS 327 relating to the national datum update, and the second being involved, with input at least, reviewing where the changes to the PS modules fit in relation to licensure. He added that the sub-committee should be renamed as the scope now is beyond standards of practice.

Mr Blaney said staff would look at getting a meeting scheduled and drafting and agenda for review by the sub-committee chair. (ACTION Item)

17. Discussion and possible action on board committee assignments for fiscal year 2025-2026.

Mr Wright said the committee assignments for this current fiscal year were included in the meeting materials and asked if there were any questions or concerns. There were none.

18. Discussion and possible action for continued outreach related to the challenges identified in this last legislative session and other board related matters.

Mr Spata said he proposed this item for the board to consider a committee to brainstorm an ongoing strategy relating to issues raised during the past legislative session. He said being prepared with an educational outreach strategy would be beneficial. He said board reform was the main focus of the immediate past movement but it was mentioned in an earlier meeting with the driver of the bill that eliminating licensure could be the ultimate goal.

Mr DeSart suggested a committee be formed of the current committee chairs to consider and develop the strategic options who can then assign individual action items to most relevant standing committees. As an example, he mentioned a legislative outreach day as was held in the past where board members went to Carson City and met legislators and there staff to educate on what the board does – where something similar could be assigned to the legislative committee to plan and execute.

Mr Kidd said consideration should be put to negotiating an expanded level of government liaison services to help advise any newly formed committee.

Mr Fakler said he would explore those options and move any consideration to APOC. (ACTION Item).

After a board discussion, Mr Wright directed the formation of a new committee, the Governmental Outreach Committee, to consist of the chair of LegComm, Mr DeSart, the chair of PAL, Mr Kidd, and the chair of Public Outreach, Mr Dixon. He added that Ms Purcell has volunteered to chair the committee. (ACTION Item)

19. Discussion and possible action on legislative matters as reported by government liaison, Cassidy Wilson with McDonald Carano.

Ms Wilson said congratulations were in order as the governor had signed AB 270 into law, with it being effective October 1, 2025. She said there were amendments as described at a previous meeting, but it the bill passed both houses unanimously. She said there were some key dates coming up. On July 1st there were 198 bills that took effect, with the majority being appropriation bills related to the fiscal year. The other key dates when bills enact are October 1, 2025, January 1, 2026, July 1, 2026, and January 1, 2027.

Ms Wilson said SB 78 was a hot topic over the last year or so. It did not make it out of committee. We did work on SB 425, which was Fabian Donate's bill on boards and commissions, and that also did not make it out of committee. She added a lot of work was put in with minority leader Hafen on his emergency bill AB 601, which was a rewrite of SB 78 but it was different in that it didn't merge any boards. But because it was introduced so late in the session it did not get a hearing. Ms Wison said SB 507, the funding bill for SB 78 relating to adding positions for B&I to oversee boards and commissions, did not go through – a last minute amendment caused concerns.

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.

Mr DeSart requested that any board-related travel arrangements be made and forwarded to board members at least 60 days in advance so they can be added to each board member's calendar. (ACTION Item)

21. Discussion and possible action on meeting dates.

Mr Gingerich suggested a calendar reminder be sent out relating to a possible extended hearing around the September meeting – pending the outcome of Mr MacKenzie's research on the use of a Hearing Officer. (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.

Mr Spata said in relation to the open action item on the discussion of PE vs discipline specific state, whether it should move toward a topic for a future meeting.

Ms Mamola said it is still an open item on the LegComm action list, and relates to Future of Engineering taskforce and how to respond to the splintering of disciplines and emerging technologies. She added she and Mr Fyda were tasked with monitoring progress of the taskforce and reporting back.

Mr Spata said the topic came to mind in relation to board reform whereas in responding to B&I we mentioned that we are a discipline-specific state. He said that being in the minority, being prepared to defend that might be beneficial. (ACTION Item)

23. Public comment.

Mr Blaney said Mr Gilbert had indicated in the chat that he wished to make public comment and asked Mr Gilbert to unmute and present his comments. No comment was received from Mr Gilbert.

There was no public comment in-person, virtually, or via email.

24. Adjournment.

Before adjourning, Mr Wright said on behalf of the board he would like to acknowledge Mr Spata's service as chair and present him with a plaque listing him along with all past board chairs. He then thanked board members for their participation and adjourned the meeting at 11:15 am.

Respectfully, Mark Fakler
Executive Director

Addendum A - July Initials

LNAME	FNAME	ABREV	COMMENTS
Aleman	Jeremy	CE	Board approved; 7/17/25;
Bower	Zachary	CE	Board approved; 7/17/25;
Cannizzo	Phillip	CE	Board approved; 7/17/25;
Chowdhury	Aqib	CE	Board approved; 7/17/25;
Dancel	Ben Jairus	CE	Board approved; 7/17/25;
Demarest II	Nelson	CE	Board approved; 7/17/25;

LNAME	FNAME	ABREV	COMMENTS
Gu	Yongdai	CE	Board approved; 7/17/25;
Hartzell	Curtis	CE	Board approved; 7/17/25;
Jammula	Sai Tejesh	CE	Board approved; 7/17/25;
Keymaram	Armin	CE	Board approved; 7/17/25;
Korogianos	Eleni	CE	Board approved; 7/17/25;
Le Grande	Joshua	CE	Board approved; 7/17/25;
Lee	Juduk	CE	Board approved; 7/17/25;

LNAME	FNAME	ABREV	COMMENTS
Mahajan	Sandeep	CE	Board approved; 7/17/25;
Martinez	Elizabeth	CE	Board approved; 7/17/25;
Miller	William	CE	Board approved; 7/17/25;
Murray	Aidan	CE	Board approved; 7/17/25;
Padilla	Edward	CE	Board approved; 7/17/25;
Pietersen	Randall	CE	Board approved; 7/17/25;
Saeidi Rashk Olia	Arash	CE	Board approved; 7/17/25;

LNAME	FNAME	ABREV	COMMENTS
Schulenberg	Matthew	CE	Board approved; 7/17/25;
Tyburski	Karlena	CE	Board approved; 7/17/25;
Waldvogel	Stephen	CE	Board approved; 7/17/25;
Whitfield	Courtney	CE	Board approved; 7/17/25;
Wimberley	Matthew	CE	Board approved; 7/17/25;
Worthley	Justin	CE	Board approved; 7/17/25;
Fabian	Alexander	EE	Board approved; 7/17/25;

LNAME	FNAME	ABREV	COMMENTS
Granados	Rhyan Daniel	EE	Board approved; 7/17/25;
Slagle-Clowers	Christopher	EE	Board approved; 7/17/25;
Sesock	Haylee	ENVE	Board approved; 7/17/25;Waiver Request: NRS 625.183(4)(b)
Gilbert	Kenneth	FPE	Waiver Request: NRS 625.183(4)(b); Denied, needs to updated record w/ FPE exp., 1 FPE references and resend waiver.
Antonik	Margaret	ME	Board approved; 7/17/25;
Eans	Brenden	ME	Board approved; 7/17/25;

10. July 30, 2025, Special Board Meeting Minutes

NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS
Minutes of Special Board Meeting
Held virtually Wednesday, July 30, 2025, at 10:15 am

Board members participating were Chair Brent Wright, PE/SE; Angelo Spata, PE; Karen Purcell, PE; Michael Kidd, PLS; Jay Dixon, PE; Robert Fyda, PE; and Tom Matter, Public Member. Greg DeSart, PE, and Matt Gingerich, PLS, were excused. Also joining were Mark Fakler, Executive Director; Chris MacKenzie, Board Legal Counsel; Murray Blaney, Operations/Compliance; 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 in-person, virtually, or via email.

3. Pursuant to NRS 622A.300(2), the Board to consider granting authority to Board staff to appoint a Hearing Officer to hear Compliance Case # 20230018.

Mr MacKenzie said pursuant to NRS 622A, in lieu of the board hearing a complaint, the board could avail itself of using a hearing officer to hear a complaint. It is not used often, but it may be appropriate for the board to use a hearing officer in certain cases. He added it is of course at the board's discretion. Mr MacKenzie said the complaint hearing would be conducted by a hearing officer, independent of the board. The hearing officer would render an opinion and it would be subject to review, where the board can either accept the finding, remand it or reject, so it is not as though the board is giving up its full authority.

25-51 A motion was made by Mr Spata, seconded by Mr Fyda, granting authority to Board staff to appoint a Hearing Officer to hear Compliance Case # 20230018. The motion passed unanimously. Mr DeSart and Mr Gingerich were excused from the vote.

4. Consideration of initial licensure applicant requests to waive certain requirements of Nevada Revised Statutes and Nevada Administrative Code Chapter 625.

There was no public comment in-person, virtually, or via email.

5. <u>Adjournment.</u>

Mr Wright thanked board members for their participation and adjourned the meeting at 10:20 am.

Respectfully, Mark Fakler
Executive Director

11. August 14, 2025, Interim Board Meeting Minutes

NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS
Minutes of the Interim Board Meeting
Held virtually Thursday, August 14, 2025, at 9:15am

Board members participating were Chair Brent Wright, PE/SE; Vice-chair Matt Gingerich, PLS; Thomas Matter, public member; Karen Purcell, PE; Jay Dixon, PE; Greg DeSart, PE; Robert Fyda, PE; and Michael Kidd, PLS. Board member Angelo Spata, PE, was excused.

Also participating were Mark Fakler, Executive Director; Chris MacKenzie, Board Legal Counsel; Murray Blaney, Operations and Compliance; Ed McGuire, Professional Standards, 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.

Mr Wright asked if there was any public comment.

Gregory Lindsey
I am a land surveyor out here in Lake Tahoe, and I recently submitted an application that was denied because of work experience; and I just, I submitted a special consideration; and I just wanted to… just kind of give a statement of why I believe that my work experience should qualify concurrent with my school. I currently… I went to school at Oregon Tech and got my Geomatics degree. I worked full-time in land surveying under the direct supervision of a licensed land surveyor. It wasn't just a job, it was an extension of my education, allowing me to apply what I was learning in class to real-world projects every day. I was actively involved in boundary analysis, field work, drafting, and preparing survey documents, gaining the same type of hands-on experience expected of licensed professionals. I understand… requirements and rules; and I respectfully ask for special consideration to account this time towards my qualifying experience. So, with that, I rest.

There was no additional public comment in-person, 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.

Mr Wright asked Ms Purcell to present the waiver request.

Ms Purcell recommended denial of the request to waive NRS 625.183 (4)(b) made by Mohammad Medhi Gilbert applying for fire protection engineering licensure. Ms Purcell requested that Mr Mehdi update and retransmit his NCEES record with specific fire protection engineering experience and include at least one reference from a licensed FPE.

Mr Wright suggested that the board delegate consideration for approval of the Medhi application to Ms Purcell pending her acceptance of the requested items. The board members agreed.

25-52 A motion was made by Ms Purcell, seconded by Mr Dixon to deny the waiver request with recommendations noted. The motion passed unanimously. Mr Spata was excused from the vote.

4. <u>Board approval of non-appearance applications for initial licensure. Refer to Addendum A for list of applicants.</u>

Mr Wright asked board members if they had comments on the applications presented.

Mr Gingerich said he had concerns with two of the applications presented for special consideration, Mr Yoro for civil and Mr Lindsey for land surveying. He said engineering experience (Mr Yoro) during the degree is an issue and the land surveyor for experience and schooling concurrent.

Mr Fakler clarified the inclusion of the special consideration packets sent to board members. He said these contain additional information with regard to references and transcripts which are not public documents. They are provided with applications that don't meet past board guidance for approval.

Mr Gingerich said the land surveyor is different. He appreciated the effort of work and schooling at the same time, but he believed some additional experience was required – not a full four years, but some additional time. He said it would be his recommendation to deny the Yoro and Lindsey applications.

Mr Wright asked if information in the application was not clear or just that the experience time was insufficient.

Mr Gingerich said the experience time was insufficient.

Ms Purcell said she noted Mr Parker (civil) having only three years of experience. The master's only took him 9 months but was given 24 months' experience credit, and in her opinion the experience is one year short. Ms Purcell recommended denial of the Parker application pending additional 10 months experience to bring the total to four years, so roughly June 2026.

Mr Fyda said he would push back on that. The accelerated program has a heavier course load during a shortened time period, and he did not believe that detracted from the experience. He said he would be willing to give experience credit of two years for the 9 months master's because of the course load. Mr Fyda said he had done an accelerated master's program in one year.

Ms Purcell said she understood the point with the heavier course load, but the required eight years of experience should be made up of four years education and four years of experience, or with a masters, six years for education and two years' experience. Ms Purcell added that the board may need to review the current statutes and regulations as accelerated master's programs are becoming more common. (ACTION Item)

Mr Matter said with accelerated programs the question of the level of experience is a concern. The

traditional model is built around a period that equates to eight years. He agreed the board may need to review statutes and regulations.

Mr Fyda said, he did not have issue with Mr Parker's experience, but he did have concerns on the concurrent experience of the special consideration applicants.

Mr Kidd said he had concerns on the concurrent experience with the special consideration applicants, and disclosed that Mr Hulslander was a direct employee and he would abstain from voting on that application.

Mr DeSart suggested that the special consideration applicants be discussed separately, at a regular board meeting, to allow time for clarity. He added he did not have concerns about any of the other applications.

Mr MacKenzie recommended the board consider a motion on the applications not requiring special consideration, then re-open discussion and consideration of the special consideration applications separately.

25-53 A motion was made by Mr Gingerich, seconded by Ms Purcell to approve the non-appearance applications for initial licensure, with the exception of Mr Medhi, and the applications with special consideration – Mr Yoro (CE), Mr Lindsey (PLS), and Mr Parker (CE). The motion passed unanimously (Mr Kidd abstained from the Hulslander (PLS) application). Mr Spata was excused from the vote.

Mr Wright said the special consideration requests would now be discussed, starting with Mr Lindsey applying for PLS licensure.

Mr Kidd said he has concerns with the amount of experience and the references. He said the reference exposure was in months as opposed to years. Mr Kidd said he would like to see some more experience for Mr Lindsay.

Mr Gingerich said he identified the same issues and agreed with Mr Kidd.

Ms Purcell asked, for clarification, how much additional experience would be appropriate.

Mr Gingerich said he would like to at least another year and preferably under the same PLS reference that was included in the special consideration packet.

Mr Kidd added that after the additional experience he would like to schedule an oral interview for the applicant before the board.

Mr MacKenzie asked for a clarification as to whether the applicant would then need to reapply.

Mr Blaney said the current application would be held open pending completion of what is prescribed by the board.

Ms Purcell asked if the NCEES record would need to be updated at that point.

Mr Blaney said it would need to be revised and retransmitted.

Mr Matter asked when the one year additional experience would be considered to be complete and when the oral interview would likely be conducted.

Mr Gingerich said if the experience was completed within the next year then the oral interview could be conducted at the July 2026 board meeting – with it being in the north.

Mr Blaney said from a historical perspective, the board has viewed four years of education and four years of experience to equate eight years. Where there is a minimum of eight years in the saddle so to speak. He said that it also includes master's programs, his understanding, when the law was written, master's programs took two years and fit into the eight-year equation.

Mr DeSart said the concept is that the board wants to see eight years as a combination of education and experience. Historically the board has not allowed applicants to double dip, in accruing these requirements concurrently. We are talking about Mr Lindsey now, but it also applies to Mr Yoro. Mr DeSart said he had a concern of the applicants not getting the full eight years of combined schooling and practicing experience. He added that setting a precedence of less than that could set the board up for difficulties in the future. Mr DeSart said he respects Mr Gingerich's judgement that one additional year may be sufficient, but from a precedent perspective, he would still be well short of the eight years and that is something we should consider in more depth.

Mr Gingerich said the applicant is a little more unique then what we have seen in the past from land surveyor applicants. This is someone who upon starting their education immediately started working full-time, who appears to have gone above and beyond. With the way education is now delivered, we may see this being more frequent going forward.

Mr Matter asked for clarification on whether partial credit had been given for experience gained during or prior to education in unique circumstances with previous applicants, as to whether a precedent would be set in this instance.

Mr Blaney said there have been applicants where partial credit had been given but they have generally been those who have completed the education requirement over an extended period of time. In those past instances the education and experience timeframe have equated to a minimum of eight years.

Mr Kidd said he agreed with the points Mr DeSart has made and was comfortable with extending the experience timetable.

Ms Purcell asked for clarification on what that extension would look like.

Mr DeSart said with the graduation date being March 2025, four years would be in early 2029. He added the board does have discretion in judgement with special considerations as to what is satisfactory experience, but we must be cautious in granting exceptions and how that relates to precedence.

Mr Fyda said it appears he has some experience prior to beginning his education which could be accrued.

Mr DeSart said for surveying, historically, the board has accepted experience prior to education, so that would be acceptable.

Mr Wright said based on the extended discussion, if there was a motion on the table.

25-54 A motion was made by Mr DeSart, seconded by Mr Gingerich to deny Mr Lindsey's application but provide clarification of when, based on an assessment by staff of applicable experience, he would meet the four years' experience requirement and be eligible for consideration and approval by the board. The motion passed unanimously. Mr Spata was excused from the vote.

Mr Wright said the next special consideration application for discussion is Mr Yoro applying for civil engineering licensure. He asked for comments from the board.

Ms Purcell said the applicant is ten months short of the four-year experience requirement and recommend he gain an additional ten months of experience to be eligible for consideration and approval by the board.

Mr Gingerich said he agreed with Ms Purcell's assessment.

25-55 A motion was made by Mr Fyda, seconded by Ms Purcell to deny Mr Yoro's application with the requirement that he gain an additional ten months experience to be eligible for consideration and approval by the board. The motion passed unanimously. Mr Spata was excused from the vote.

Mr Wright said the next special consideration application for discussion is Mr Parker applying for civil engineering licensure. He asked for comments from the board.

Ms Purcell said she believed an additional year of experience was warranted. She added that she would also like to see the details of the representative projects updated in his NCEES record. It states his work experience began in July 2023, but the project detail list starts in 2024.

Mr Fyda said this can be seen as punishment of someone who has been motivated and met the requirements of a master's program in an accelerated period, to not give the equivalency of the two years credit. The same could apply to someone who graduates early with their bachelor's degree.

Mr DeSart said he does not see it as a penalty, rather it is consistent with the intent of having eight years of combined education and experience.

Mr Matter said it is important to note the way education is delivered is changing. The availability of classes has changed degrees and post graduate programs so they can be completed in less time. He added that this is only going to become more prevalent with younger engineers and land surveyors trying to complete their education as soon as possible.

Mr Wright said he agrees we maintain consistency now, with the precedent of a total of eight years, four education and four experience, but Mr Fyda and Mr Matter have very valid points about accelerated programs. Tradition has it based around four plus four, but if someone did the education in lesser time, they still did the same number of courses – just more efficiently. He said this discussion may be newer to us, but NCEES likely has experience dealing with these situations and has some opinion or guidance. At this point we should stay with the historic norm but do some research for the board to consider in future discussion to develop a protocol. (ACTION Item)

Mr Blaney said he was aware of some NCEES research relating at least to accelerated masters programs where in model law the equivalency is now one year.

Mr Fyda said he would like to see some of the input from the national level before making a decision.

Mr MacKenzie recommended that with the discussion becoming more substantive, and before any decision is made, the item should be agendized for deliberation at a future board meeting as the decision may have a broader impact than this single application. He added the consideration of the current application should be tabled until after that discussion. (ACTION Item)

25-55 A motion was made by Mr Fyda, seconded by Ms Purcell to table Mr Parkers 's application to a future board meeting following deliberation on accelerated degrees and post-graduate programs with staff providing some historical context. The motion passed unanimously. Mr Spata was excused from the vote.

5. Public comment.

Mr Wright asked if there was any public comment

Quinlan Parker
This is Quin Parker, of the discussion point, earlier. I wanted to follow up. If, before the next meeting as well, if I can, if it would be any help to provide additional work experience, project information, or, I, I've passed my 8-hour FE, or PE, in California, and so… I'm sure that was in the NCEES report that you guys saw, but if there's any other information I can provide, I wanted to offer that.

Mr Wright asked that staff connect with Mr Parker to see if there is any additional information to be added to his NCEES record.

There was no additional public comment in-person, virtually, or via email.

6. Adjournment.

Mr Wright thanked board members for their participation and adjourned the meeting at 10:08 am.

Respectfully, Mark Fakler
Executive Director

Addendum A - August Initial

LNAME	FNAME	ABREV	COMMENTS
Aldave	Mary Grace	CE	Board approved; 8/14/25
Caluag	Rauf Micko	CE	Board approved; 8/14/25
De La Serna	Jose	CE	Board approved; 8/14/25
de Lange Boom	Scott	CE	Board approved; 8/14/25
England	Eric	CE	Board approved; 8/14/25
Hawkins	Miles	CE	Board approved; 8/14/25

LNAME	FNAME	ABREV	COMMENTS
Johnson	Sagen	CE	Board approved; 8/14/25
Keith	Jenna	CE	Board approved; 8/14/25
Kwok	Kelly	CE	Board approved; 8/14/25
Maguin	Dillon	CE	Board approved; 8/14/25
McCartney	Kelsey	CE	Board approved; 8/14/25
Ngai	Kai Nam	CE	Board approved; 8/14/25
Parker	Quinlan	CE	Board requested expanded experience and include projects from 2023.

LNAME	FNAME	ABREV	COMMENTS
Pate	Heath	CE	Board approved; 8/14/25
Perry	Elise	CE	Board approved; 8/14/25
Yoro	Dylan	CE	Board denied; 8/14/25; Retransmit record June 2026 to go before the board again
King	Kyle	EE	Board approved; 8/14/25
Mehdi	Mohammad Waseem	FPE	Denied FPE License; 8/26/25Waiver Request: NRS 625.183(4)(b); Denied, Retransmit record, 2 FPE references send to
Horak	Ian	ME	Board approved; 8/14/25
Hulslander	Jonas	PLS	Board approved; 8/14/25

LNAME	FNAME	ABREV	COMMENTS
Lindsey	Gregory	PLS	Board denied; 8/14/25; Gain 3 years 4 months of exp, reapply 12/14/2028
Dahl	Eric	SE	Board approved; 8/14/25
Day	Stephen	SE	Board approved; 8/14/25

12. Financial Statements

a. June 2025

b. July 2025

13. Compliance Officer Report

13.a. Compliance Report

13. a. Compliance Investigations

Currently there are six (6) cases to report on:

1. 20230018 – Failure to act as faithful agent to client.
   Investigation complete.

2. 20240048 – Failure to act as faithful agent to client.
   Under investigation.

3. 20250028 – Unlawful practice.
   Under investigation.

4. 20250022 – Gross negligence, incompetency, or misconduct in land surveying.
   Investigation complete.

5. 20250032 – Unlawful practice.
   Under investigation.

6. 20250033 – Unlawful practice.
   Investigation complete.

1. 20230018 – Failure to act as faithful agent to client.

Summary:
Complaint filed against a CE providing inspection and testing services on a project in Las Vegas. It is alleged the engineer failed to provide the final reports in a timely manner after being paid in full for services rendered.
Status:
To be heard by an Administrative Law Judge.

2. 20240048 – Failure to act as faithful agent to client.

Summary:
A complaint filed against a Henderson firm alleging the offering of civil engineering services outside their area of competence.
Status:
Under investigation.

3. 20250028 – Unlawful practice.

Summary:
A complaint alleges the offering of professional civil engineering services while not being licensed to do so.
Status:
Under investigation.

4. 20250001 – Gross negligence, incompetency, or misconduct in land surveying.

Summary:
A complaint filed by a contractor against a land surveyor for alleged gross negligence/incompetency in construction staking on two projects in southern Nevada.
Status:
Case under Board Liaison review.

5. 20250032 – Unlawful practice.

Summary:
A complaint alleges the offering and providing professional engineering services while not being licensed to do so.
Status:
Under investigation.

6. 20250033 – Unlawful practice.

Summary:
A complaint alleges the offering and providing professional engineering services while not being licensed to do so.
Status:
Under investigation.

13.b. Probation Reports

13. b. Probation reports

Probation Summary:

Name	Case #	Status/Action	Date Ending
Dooley Riva	20190001	Good Standing	October 10, 2029
Mark Johnson	20220004	Good Standing	August 15, 2025
Buckley Blew	20230004	Good Standing	August 15, 2026
Andrew Hammond	20220009	Good Standing	February 1, 2026
Lyle Scott Mackay	20240006	Good Standing	Open
Kevin Gutman	20240003	Good Standing	December 15, 2026

Payment Summary:

Name	Case #	Paid	Remaining	Final Due Date
Kevin Gutman	20240003	$2,287.50	$0.00	June 7, 2025
Andrew Hammond	20220009 (Supplement)	$3,290.00	$0.00	June 14, 2025
James “Mick” Powers	20230016	$7,942.50	$0.00	July 1, 2025

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 SUMITTED FOR THE PERIOD OF: 2025-5-16 THROUGH 2025-7-15

CLIENT:

NAME: DAVID TENNEY

ADDRESS: dt@nvbestrvstoragellc.com

CITY: STATE: ZIP CODE:

PROJECT:

NAME: TENNEY RESIDENCE

LOCATION OF PROJECT: 1070 SKYLAND DRIVE

CITY: ZEPHYR COVE STATE: NV ZIP CODE: 89448

SIZE: 5880 SF START DATE: 1.19.24 END DATE: NA

STATUS OF PROJECT: Under Construction

FEE PAID BY CLIENT: $4,070

SCOPE OF WORK:

CONSTRUCTION ADMINISTRATION & ADDITIONAL SERVICES

DESCRIBE IN DETAIL YOUR INVOLVEMENT IN THIS PROJECT AND HOW YOU HANDLED THIS PROJECT.

PRECONSTRUCTION MEETING, TELECONS WITH CONTRACTOR & TEAM MEETINGS, LOWER FOOTING OBSERVATION, REVISE STRUCTURAL DOCUMENTS FOR WINDOW CHANGES, LOW STEMWALL OBSERVATION, HIGH FOUNDATION OBSERVATION, ROUGH FRAMING OBSERVATION

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 July 16, 2025

(Please print, sign, date, then scan and email report to board@boe.state.nv.us)

Mark Johnson, PE 019830
Case Number: 20220004
Violation of NRS 625.410(2).

In July 2018, a client contracted with Mr Johnson's employer to provide engineering services for a single-family home and work barn located in Gardnerville, NV. These services included the site layout, design of the engineered septic system, mapping of the existing site, submittal to Douglas County, and follow-up. There was an estimated cost for these services, but the actual charges would be based on "time and materials."

Mr Johnson, as the professional engineer in charge on behalf his employer, requested the client commission and provide a Geotechnical Report for the property. SC received this report in late August 2018. This geotechnical report noted that "local groundwater levels are expected to fluctuate during flood irrigation, changes in precipitation, seasonal variations."

The septic tank was installed in July 2019. Soon after the installation, the farmland in the immediate area of the client's home was predictably flood irrigated. Within a week, water was found to have entered into the septic tank as a result of pipes in the system being compromised due to the tank "floating" i.e. vertical displacement, due to the rise in surrounding ground water.

Following discovery of this failure, Mr Johnson recommended a system design change, requiring installation of the tank above-ground (change from gravity flow to pump system). The client agreed to this recommendation.

After installation of the revised septic tank layout, the client learned that the above- ground tanks could have been located anywhere. The client reported that, had she known this, she would have placed the tanks next to the large leach field mound, instead of directly outside her bedroom window, where the revised installation was sited by Mr Johnson. The client questioned whether Mr Johnon's employer would bear responsibility for the extra expense incurred for the reinstallation of the above- ground septic tank system.

Mr Johnson's employer agreed to absorb the engineering fees for the above-ground system, but not the additional expense associated with the removal and reinstallation of the septic tank.

During the investigation, Mr Johnson admitted that he did not anticipate that the flood irrigation would have any impact on the groundwater level.

VIOLATIONS and DISCIPLINARY ACTION

Pursuant to NRS 625.410, in relevant part, the State 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). Here, Mr Johnson had the information that local groundwater levels would fluctuate during flood irrigation, changes in precipitation, and seasonal variation. Mr Johnson, however, failed to factor the known ground water variability into the in- ground septic tank design.

Based on the foregoing, Mr Johnson stipulates that he was grossly negligent in the engineering of the client's septic system, and thus in violation of NRS 625.410(2).

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 20220004 now pending, Mr Johnson and the State Board resolve this matter on the following basis:

1.) Mr Johnson'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.

2.) Mr Johnson shall submit, to the State Board, a complete list and description of his projects from July 01, 2018 to December 31, 2022 that involved septic design undertaken by Mr Johnson. The State Board will then randomly select three (3) of those projects to be subjected to an independent third-party peer review to evaluate Mr Johnson's septic competency as a civil engineer. The third-party engineer shall be selected by the State Board, and Mr Johnson shall be responsible to pay for the services thereof upon presentment of the service's invoice. The third-party engineer shall have no conflict of interest relating to Mr Johnson, his employer, or the client.

3.) Mr Johnson shall pay an administrative fine of Five Thousand and No/100 Dollars ($5,000.00) within ninety (90) days of acceptance and execution of this Agreement by the State Board. A payment plan may be granted by State Board staff if requested by Mr Johnson and deemed warranted by State Board staff.

4.) Mr Johnson shall pay legal and investigative costs to the State Board a total of Two Thousand One Hundred Six and 50/100 Dollars ($2,106.50) within ninety (90) days of acceptance and execution of this Agreement by the State Board.

5.) Mr Johnson shall, within one (1) year of the effective date of this Stipulated Agreement, successfully complete a NAWT Designer Course, and submit proof of completion to the State Board within sixty (60) days of completion of the course.

6.) Mr Johnson shall pay the client restitution in the amount of $15,816.40 pursuant to NRS 625.460(1)(e), within ninety (90) days of acceptance and execution of this Agreement by the State Board.

LAST PROBATION REPORTS DUE August 15, 2025

PROBATION REPORT

(MUST BE TYPED)

Print Form

PROBATIONER: Mark Johnson, P.E. PE/PLS #: 019830

EMPLOYER: work as independent contractor

PROBATION REPORT SUMITTED FOR THE PERIOD OF: May 27, 2025 THROUGH: Jul 26, 2025

CLIENT:

NAME: Battleborn Water Services, LLC

ADDRESS: 1621 Andorra Dr

CITY: Carson City STATE: NV ZIP CODE: 89703

PROJECT:

NAME: Brett Caber

LOCATION OF PROJECT: Elko County

CITY: Spring Creek STATE: NV ZIP CODE: 89815

SIZE: N/A START DATE: Apr 7, 2025 END DATE: May 29, 2025

STATUS OF PROJECT: Completed

FEE PAID BY CLIENT: $975.00

SCOPE OF WORK:

Prepared Place of Use and Point of Diversion map for change application for commercial purposes for the client. Also reviewed change application form.

DESCRIBE IN DETAIL YOUR INVOLVEMENT IN THIS PROJECT AND HOW YOU HANDLED THIS PROJECT.

Coordinated with client and water rights agent on preparation of the map to ensure compliance with NDWR requirements.

DESCRIBE IN DETAIL HOW YOU IMPROVED ON THIS PROJECT IN THE AREAS FOR WHICH YOU ARE ON PROBATION.

This project did not include any work for which I am on probation.

SIGNATURE: Mark Johnson, P.E. Digitally signed by Mark Johnson, P.E. Date: 2025.08.14 11:27:31 -06'00' DATE: August 14, 2025

(Please print, sign, date, then scan and email report to board@boe.state.nv.us)

PROBATION REPORT

(MUST BE TYPED)

Print Form

PROBATIONER: Mark Johnson, P.E. PE/PLS #: 019830

EMPLOYER: work as independent contractor

PROBATION REPORT SUMITTED FOR THE PERIOD OF: May 27, 2025 THROUGH: Jul 26, 2025

CLIENT:

NAME: Battleborn Water Services, LLC

ADDRESS: 1621 Andorra Dr

CITY: Carson City STATE: NV ZIP CODE: 89703

PROJECT:

NAME: Cawrse Farms LLC

LOCATION OF PROJECT: Lander County

CITY: Battle Mountain STATE: NV ZIP CODE: 89820

SIZE: N/A START DATE: May 13, 2025 END DATE: Jun 5, 2025

STATUS OF PROJECT: Completed

FEE PAID BY CLIENT: $1,500.00

SCOPE OF WORK:

Prepared Place of Use and Point of Diversion map for change application for irrigation purposes for the client. Also reviewed change application form.

DESCRIBE IN DETAIL YOUR INVOLVEMENT IN THIS PROJECT AND HOW YOU HANDLED THIS PROJECT.

Coordinated with client and water rights agent on preparation of the map to ensure compliance with NDWR requirements. Work also included a site visit to verify crops grown and area irrigated.

DESCRIBE IN DETAIL HOW YOU IMPROVED ON THIS PROJECT IN THE AREAS FOR WHICH YOU ARE ON PROBATION.

This project did not include any work for which I am on probation.

SIGNATURE: Mark Johnson, P.E. Digitally signed by Mark Johnson, P.E. Date: 2025.08.14 11:37:40 -06'00' DATE: August 14, 2025

(Please print, sign, date, then scan and email report to board@boe.state.nv.us)

PROBATION REPORT

(MUST BE TYPED)

Print Form

PROBATIONER: Mark Johnson, P.E. PE/PLS #: 019830

EMPLOYER: work as independent contractor

PROBATION REPORT SUMITTED FOR THE PERIOD OF: May 27, 2025 THROUGH: Jul 26, 2025

CLIENT:

NAME: Battleborn Water Services, LLC

ADDRESS: 1621 Andorra Dr

CITY: Carson City STATE: NV ZIP CODE: 89703

PROJECT:

NAME: Double Down Heavy Repair LLC

LOCATION OF PROJECT: Elko County

CITY: Elko STATE: NV ZIP CODE: 89801

SIZE: N/A START DATE: May 27, 2025 END DATE: Jun 7, 2025

STATUS OF PROJECT: Completed

FEE PAID BY CLIENT: $1,125.00

SCOPE OF WORK:

Prepared Place of Use and Point of Diversion map for change application for commercial purposes for the client. Also reviewed change application form.

DESCRIBE IN DETAIL YOUR INVOLVEMENT IN THIS PROJECT AND HOW YOU HANDLED THIS PROJECT.

Coordinated with client and water rights agent on preparation of the map to ensure compliance with NDWR requirements.

DESCRIBE IN DETAIL HOW YOU IMPROVED ON THIS PROJECT IN THE AREAS FOR WHICH YOU ARE ON PROBATION.

This project did not include any work for which I am on probation.

SIGNATURE: Mark Johnson, P.E. Digitally signed by Mark Johnson, P.E. Date: 2025.08.14 11:45:32 -06'00' DATE: August 14, 2025

(Please print, sign, date, then scan and email report to board@boe.state.nv.us)

PROBATION REPORT

(MUST BE TYPED)

Print Form

PROBATIONER: Mark Johnson, P.E. PE/PLS #: 019830

EMPLOYER: work as independent contractor

PROBATION REPORT SUMITTED FOR THE PERIOD OF: May 27, 2025 THROUGH: Jul 26, 2025

CLIENT:

NAME: Battleborn Water Services, LLC

ADDRESS: 1621 Andorra Dr

CITY: Carson City STATE: NV ZIP CODE: 89703

PROJECT:

NAME: Duval Ranches

LOCATION OF PROJECT: Elko County

CITY: Elko STATE: NV ZIP CODE: 89835

SIZE: N/A START DATE: Apr 22, 2025 END DATE: Jul 10, 2025

STATUS OF PROJECT: Completed

FEE PAID BY CLIENT: $850.00

SCOPE OF WORK:

Prepared Place of Use and Point of Diversion map for change application for stockwater purposes for the client. Also reviewed change application form.

DESCRIBE IN DETAIL YOUR INVOLVEMENT IN THIS PROJECT AND HOW YOU HANDLED THIS PROJECT.

Coordinated with client and water rights agent on preparation of the map to ensure compliance with NDWR requirements.

DESCRIBE IN DETAIL HOW YOU IMPROVED ON THIS PROJECT IN THE AREAS FOR WHICH YOU ARE ON PROBATION.

This project did not include any work for which I am on probation.

SIGNATURE: Mark Johnson, P.E. Digitally signed by Mark Johnson, P.E. Date: 2025.08.14 11:20:20 -06'00' DATE: August 14, 2025

(Please print, sign, date, then scan and email report to board@boe.state.nv.us)

PROBATION REPORT

(MUST BE TYPED)

Print Form

PROBATIONER: Mark Johnson, P.E. PE/PLS #: 019830

EMPLOYER: work as independent contractor

PROBATION REPORT SUMITTED FOR THE PERIOD OF: May 27, 2025 THROUGH: Jul 26, 2025

CLIENT:

NAME: Stanka Consulting LTD

ADDRESS: 502 E John St, Ste B

CITY: Carson City STATE: NV ZIP CODE: 89706

PROJECT:

NAME: Lily Ct

LOCATION OF PROJECT: 3282 Plymouth Dr

CITY: Minden NV STATE: NV ZIP CODE: 89423

SIZE: 7.69 START DATE: May 1, 2025 END DATE: May 30, 2025

STATUS OF PROJECT: Ongoing

FEE PAID BY CLIENT: $1,240.00

SCOPE OF WORK:

Revised improvement plans and drainage report per comments provided by Douglas County on second submittal.

DESCRIBE IN DETAIL YOUR INVOLVEMENT IN THIS PROJECT AND HOW YOU HANDLED THIS PROJECT.

I have left Stanka Consulting but was asked to work on the revisions since I was the most familiar with the project. I coordinated with Stanka Consulting and the contractor, West Ridge Homes, Inc., closely while completing the revisions. The project permit has been approved by Douglas County and my association with Stanka Consulting is now completely over.

DESCRIBE IN DETAIL HOW YOU IMPROVED ON THIS PROJECT IN THE AREAS FOR WHICH YOU ARE ON PROBATION.

This project did not include any work for which I am on probation.

SIGNATURE: Mark Johnson, P.E. Digitally signed by Mark Johnson, P.E. Date: 2025.08.14 10:59:01 -06'00' DATE: August 14, 2025

(Please print, sign, date, then scan and email report to board@boe.state.nv.us)

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 SUMITTED FOR THE PERIOD OF: Mar 20, 2025 THROUGH: May 19, 2025

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: 8/11/2025

(Please print, sign, date, then scan and email report to board@boe.state.nv.us)

Andrew Hammond, PE/PLS 021191
Case Number: 20220009
Violation of NRS 625.410 (2), and 625.530 (1)(5).

In or around January 2019, the complainant (client) reached out to Element Engineering (Mr Hamond'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.

LAST PROBATION REPORTS DUE February 1, 2026

PROBATION REPORT
(MUST BE TYPED)

PROBATIONER: ANDREW HAMMOND PE/PLS #: 21191

EMPLOYER: ELEMENT ENGINEERING

PROBATION REPORT SUMITTED FOR THE PERIOD OF: May 25, 2025 THROUGH: July 24, 2025

CLIENT:

NAME: BRANDENBURG LIVING TRUST

ADDRESS: 300 DUCK HILL RD

CITY: WASHOE VALLEY STATE: NV ZIP CODE: 89704

PROJECT:

NAME: 300 DUCK HILL RD

LOCATION OF PROJECT: 300 DUCK HILL RD

CITY: WASHOE VALLEY STATE: NV ZIP CODE: 89704

SIZE: 2.53 ACRES START DATE: OCT 2024 END DATE: MAY 2025

STATUS OF PROJECT: PERMITTING STAGE WITH WASHOE COUNTY

FEE PAID BY CLIENT: PAID PER CONTRACT (HOURLY)

SCOPE OF WORK:

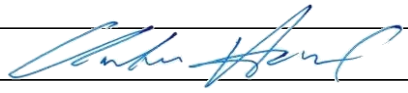
Assist with engineering needs associated with a active lawsuit to include engineering inspections, quality control of contracting work and design of a new septic system

DESCRIBE IN DETAIL YOUR INVOLVEMENT IN THIS PROJECT AND HOW YOU HANDLED THIS PROJECT.

I have not heard anything about this job since last probation report.

DESCRIBE IN DETAIL HOW YOU IMPROVED ON THIS PROJECT IN THE AREAS FOR WHICH YOU ARE ON PROBATION.

I have taken this job being more selective with whom I do work for. I am also trying to be more proactive with communication and meeting deadlines.

SIGNATURE:  DATE: 8/20/25

(Please print, sign, date, then scan and email report to board@boe.state.nv.us)

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 contendre 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 licensees 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)

PROBATIONER: L. Scott Mackay PE/PLS #: 015131

EMPLOYER: Forearm Construction, LLC

PROBATION REPORT SUMITTED FOR THE PERIOD OF: Jun 1, 2025 THROUGH: Jul 31, 2025

CLIENT:

NAME: No Projects in Nevada

ADDRESS: n/a

CITY: n/a STATE: n/a ZIP CODE: n/a

PROJECT:

NAME: No Projects in Nevada

LOCATION OF PROJECT: n/a

CITY: n/a STATE: n/a ZIP CODE: n/a

SIZE: n/a START DATE: n/a END DATE: n/a

STATUS OF PROJECT: n/a

FEE PAID BY CLIENT: n/a

SCOPE OF WORK:

n/a

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: August 27, 2025

(Please print, sign, date, then scan and email report to board@boe.state.nv.us)

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: Kevin Gutman PE/PLS #: 028002

EMPLOYER: -

PROBATION REPORT SUMITTED FOR THE PERIOD OF: 06-05-2025 THROUGH: 08-04-2025

CLIENT:

NAME: N/A

ADDRESS:

CITY: STATE: ZIP CODE:

PROJECT:

NAME: N/A

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 06-05-2025 and 08-04-2025.

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

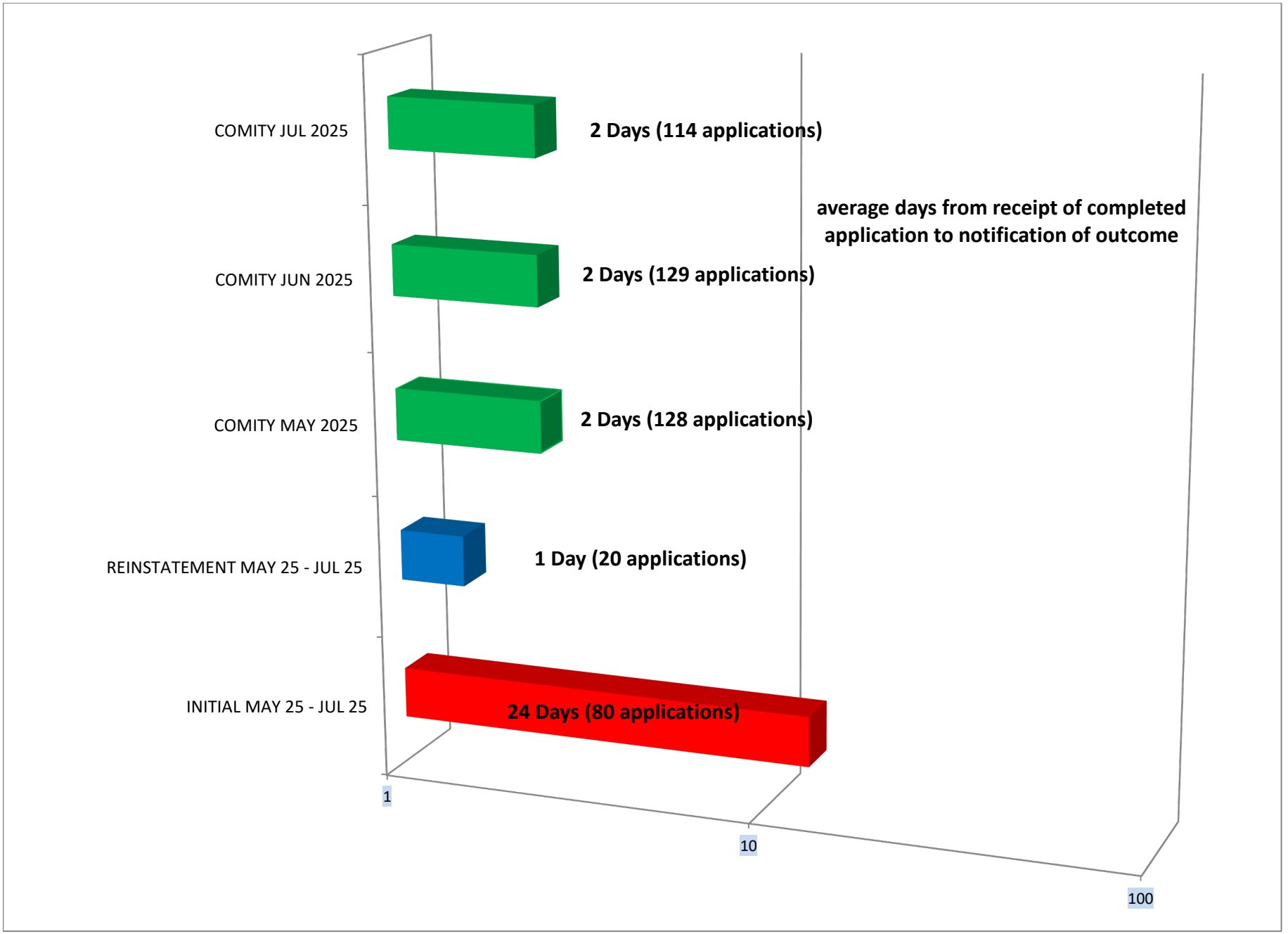
SIGNATURE:  DATE: 08/08/2025

(Please print, sign, date, then scan and email report to board@boe.state.nv.us)

14. Board Counsel Report

15. Administrative Report by Executive Director

15.a. Approved Licensees Report


COMITY JUL 2025
2 Days (114 applications)
average days from receipt of completed application to notification of outcome
COMITY JUN 2025
2 Days (129 applications)
COMITY MAY 2025
2 Days (128 applications)
REINSTATEMENT MAY 25 - JUL 25
1 Day (20 applications)
INITIAL MAY 25 - JUL 25
24 Days (80 applications)
1
10
100

15.b. 2021-2025 Strategic Plan

NEVADA BOARD OF PROFESSIONAL ENGINEERS & LAND SURVEYORS

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 Surveyorsdeveloped a comprehensive Strategic Plan in March 2017. The plan was created using a 10-30 year planning horizon based on the boards'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**

15.b.i. Details Related to Future Strategic Planning Session

15.c. NCEES

15.c.i. 2025 Annual Meeting Summary of Actions

NCEES
advancing licensure for engineers and surveyors

Summary of actions at the 2025 NCEES annual meeting

The Council took the following actions at the NCEES annual meeting business sessions on August 20 and 21, 2025. All motions referenced are found in the 2025 *Action Items and Conference Reports*, which is available for download from the Member Resources section of ncees.org, under Board Resources/Annual meeting. Complete information on the motions will be published in the official meeting minutes.

2024 minutes

The Council approved the 2024 annual meeting minutes as distributed.

Consent agenda

The Council removed six items from the published consent agenda for separate consideration with the committee reports. The remaining items, shown here, were adopted on the consent agenda:

- Special Committee on Bylaws: Motions 1–21
- Advisory Committee on Council Activities: Motions 2–4
- Committee on Education: Motion 3
- Committee on Examination Policy and Procedures: Motions 1–4, 7–12
- Committee on Examinations for Professional Surveyors: Motion 1
- Committee on Finances: Motions 1–3, 7
- Committee on Licensure: Motions 5–9
- Committee on Member Board Administrators: Motions 1–2
- Committee on Uniform Procedures and Legislative Guidelines: Motions 1–9
- Board of Directors: Motions 1–2

Officer elections

The Council elected Samuel Wilson, DBA, P.E., of the District of Columbia, 2025–26 president-elect. He will serve as NCEES president in 2026–27.

Committee and task force motions

The following are the results for the remaining committee and task force motions. Any deviation from the motions printed in the *Action Items and Conference Reports* is noted below.

- Advisory Committee on Council Activities—Motion 1: withdrawn by committee
- Committee on Education—Motion 1: adopted; Motion 2: adopted
- Committee on Examination Policy and Procedures—Motion 5: removed from consent agenda, updated motion presented and adopted; Motion 6: removed from consent agenda, updated motion presented and adopted
    - Motion 5 (updated from *Action Items and Conference Reports*)—updated motion added additional edit of striking "will" and inserting "shall" in the Application Review paragraph
    - Motion 6 (updated from *Action Items and Conference Reports*)—updated motion added additional edits to 1) amend first sentence of Proof of Need and Estimate of Usage paragraph to "Proof of need shall include evidence that knowledge areas and skills are not adequately measured in an existing examination and that additional knowledge areas and skills required are sufficient to support a new examination." and 2) strike "will" and insert "shall" in the Application Review paragraph
- Committee on Finances—Motion 4: updated motion presented and adopted; Motion 5: adopted; Motion 6: removed from consent agenda, updated motion presented and adopted
    - Motion 4 (updated from *Action Items and Conference Reports*)—Move to approve a transfer to the NCEES Foundation that is equal to 50% of the reserves available for Mission Initiatives and Capital Projects balance on January 31, 2025, which is approximately $9.4 million.
    - Motion 6 (updated from *Action Items and Conference Reports*)—Move to amend Financial Policy 3B as shown:

      FP 3 Travel Expenses

      B. NCEES annual business meetings

      6. NCEES service award recipients and a guest. Registration fees shall be waived for a guest of each award recipient.

- Committee on Licensure—Motion 1: removed from consent agenda and adopted as amended (amendment struck "rubric"); Motion 2: removed from consent agenda and adopted as amended (amendment restored the following language: "Experience gained under the technical supervision of an unlicensed individual may be considered if the appropriate credentials of the unlicensed supervisor are submitted to the board."; Motion 3: removed from consent agenda and adopted as amended (amendment restored the following language: "Experience gained under the technical supervision of an unlicensed individual may be considered if the appropriate credentials of the unlicensed supervisor are submitted to the board."; Motion 4: adopted

New business

Member boards presented the following motions:

- Oklahoma motion—Moved to revise Administrative Policy 8 and further moved that the entirety of AP 8 be further reviewed by ACCA in 2025–26 to ensure the entire policy to codify the process for handling motions is current and aligns with the proposed revisions to AP 8B: not adopted
- Virginia motion—Moved to charge a Special Committee on Bylaws with amending the *Bylaws* to expand the NCEES board of directors to include a voting member board administrator for a total of nine members and update all applicable references within the *Bylaws*, to include Sections 4.02, 4.03, 4.04, and 4.05: amended to strike "confirm" and insert "elect" in the proposed language, followed by adoption of motion to refer Virginia motion to the MBA Committee for further review and vetting

Unfinished business

- Approval of budgets—The Committee on Finance's motion to approve the 2025–26 operating and capital budgets was adopted as updated (with the operating budget's Interest and Investment Income adjusted to $1,399,676, based on adoption of Finance Motion 4).

16. Committee Reports

16.a. Administrative Procedures Oversight Committee

16. b. Legislative Committee

16.c. Professional Association Liaison Committee

16.d. Public Outreach Committee

16.e. PLS Subcommittee

16.f. Governmental Outreach Committee

17. Government Liaison Report

18. Legislative Bill Draft Requests

19. Board and Staff Assignments

Action List

BOARD MEETING ITEMS

March 13, 2025, Board meeting

18. Discussion and possible action on examinations required for licensure as a Professional Land Surveyor resulting from changes to national examinations occurring in 2027.

Board decided no immediate to be taken. Staff to monitor what changes other states make and convene a group or workshop to explore options and implications – cost to candidates, impact on comity applicants, the make-up of our state specific exam, any statute/regulation changes etc. **Staff/Mr Fakler**

July 17, 2025, Board meeting

13. Discussion and possible action on administrative report by Executive Director
c. Items related to National Council of Examiners for Engineering & Surveying (NCEES)
i. Report on combined Western & Central Zone Meeting held in Albuquerque, NM May 15-17, 2025.

Relating to the PS exam module release, and action from March 13, 2025, Board meeting, staff to identify actions to form working group to examine possible actions. **Staff**

16. Discussion and possible action on board committee reports.
b. Legislative Committee report, Chair Greg DeSart

Schedule LegComm meeting and invite Mr Spata to overview of the SB 78 process. **Staff**

c. Professional Association Liaison Committee, Chair Michael Kidd

Schedule PAL meeting before Sept board meeting. **Staff**

d. Public Outreach Committee, Chair Jay Dixon

Request a Speaker process to be added to website, and board members to notified of speaking opportunities. **Staff**

Additional ethics speaker option. Mr Fakler to get contact details from Mr Kidd. **Mr Fakler**

e. PLS Standards of Practice Subcommittee of the Legislative Committee, Chair Matt Gingerich

Rename committee and schedule meeting to review proposed NRS 327 revisions and action items related to the PS exam module release. **Staff**

18. Discussion and possible action for continued outreach related to the challenges identified in this last legislative session and other board related matters.

Form Government Outreach Committee and work with appointed chair Ms Purcell to develop agenda and schedule first meeting. **Mr Fakler**

Include agenda item for next APPOC meeting to consider negotiating an expanded level of government liaison services to help advise the Government Outreach Committee. **Mr Fakler**

20. Discussion and possible action on status of Board and staff assignments.

Board-related travel arrangements be made and forwarded to board members at least 60 days in advance so they can be added to each board member's calendar. **Staff**

21. Discussion and possible action on meeting dates.

Send calendar reminder relating for a possible extended hearing around the September meeting – pending the outcome of Mr MacKenzie's research on the use of a Hearing Officer. **Mr Fakler**

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.

Draft memo relating history of being Nevada being a discipline specific state. **Staff**

August 14, 2025, Interim Board meeting

4. Board approval of non-appearance applications for initial licensure. Refer to Addendum A for list of applicants.

Add agenda item at future board meeting to discuss experience credit given to accelerated bachelor's degrees and post-graduate master's programs. Staff provide national context from NCEES guidance or opinion on the matter. **Staff**

Table deliberations on Mr Parker's application until after Board discussion related to experience credit given to accelerated bachelor's degrees and post-graduate master's programs. **Mr Fakler**

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**

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

5. Consider executive director work performance and salary.

Update salary study information (use 2017 document as template). **Staff**

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**

May 10, 2023, Meeting

6. Consider proposed budget for fiscal year July 1, 2023, to June 30, 2024.

Projections for health insurance costs in consideration of possible expansion of board covered expenses. **Mr Fakler**

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**

PUBLIC OUTREACH COMMITTEE

July 3, 2025, Meeting

Consider options to expand PE/PLS badge program to all licensees. **Staff**

Consider options to formalize request mechanism for speaking opportunities. **DONE**

Committee meeting dates to be scheduled 60 days in advance. **Staff**

LEGISLATIVE COMMITTEE

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 Ms Mamola discuss and identify possible solutions to the issues identified by position statement. **In progress**

Possible NRS changes for consideration

Possible NAC changes for consideration

- Review for impacted regulations
Item from August 8, 2024, Interim Board meeting
Pending result of NCEES Annual Meeting vote on *Engineering Licensure Task Force Motion 1*, the proposed pathway for comity licensure to be vetted by LegComm (for review against current regulations) at a future committee meeting. **Staff**

Schedule for NAC changes currently under review

Executive Order regulation changes/repeals – Regulation changes/repeals approved via consent agenda at the Legislative Commission hearing held June 18, 2024. Staff will follow up through the codification process. **In progress.**

Contract and PLS regulation changes/repeals

R007-24 package submitted to LCB.

PLS STANDARDS OF PRACTICE SUB-COMMITTEE

– NRS 625.380
Letter from NALS relating to NRS 625.380. Moved to PLS Standards of Practice sub-committee for discussion. **Staff**

STRATEGIC PLAN ITEMS

2025 Strategic Planning Session
November 5, 2025 – Reno board office (1pm – 5pm)

BUSINESS PLAN ITEMS

Electronic submittals + digital signing of documents.
System database comprehensive upgrade.
Website effectiveness.

20. Future Meeting Dates

BOARD MEETING DATES

Board meetings are typically scheduled for the second Thursday of every other month.

November 6, 2025 — Reno

January 15, 2026 — Las Vegas

March 12, 2026 — Reno

May 14, 2026 — Las Vegas

July 16, 2026 — Reno

September 10, 2026 — Las Vegas

Future NCEES Meetings

NCEES Central/Western Zone Interim Meetings

April 30-May 2, 2026 —Bend, Oregon

NCEES Annual Meetings

August 17-21, 2026 — Henderson, Las Vegas

21.Topics for Future Meetings

22. Public Comment

23. Adjournment