

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



**Board Meeting  
November 6, 2025  
Reno, NV**

# 1. Meeting Call to Order

## 2. Pledge of Allegiance

# 3. Public Comment

# 4. Introductions

# 5. NRS 625

## Waiver Requests

**WAIVER REQUESTS**  
**Thursday, November 6, 2025**

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

APPLICANTS REQUESTING WAIVER OF NRS 625.193(A)			
NAME	DISCIPLINE	TO:	GRANT?
1. Mohsen Shirani Tak Abi	ME	Karen Purcell, PE	
2. Prasad Vusirika	EE	Karen Purcell, PE	
3. Rafael Val Suarez	CE	Greg DeSart, PE	
4. Heidy Sanchez Lizarraga	CE	Greg DeSart, PE	
<i>NRS 625.193(1)(A) WAIVER OF FE WITH 10 OR MORE YEARS OF EXPERIENCE.</i>			

# 6. Non-Appealance Applications for Initial Licensure



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


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

**NEVADA STATE BOARD OF  
PROFESSIONAL LAND SURVEYORS  
EDUCATION CREDIT GUIDELINES**

<b>DEGREE</b>	<b>YEARS CREDIT (MAX)</b>	<b>YEARS ACCEPTABLE EXPERIENCE REQUIRED</b>
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

GENERAL




Applying To  
Nevada

Application Type  
Initial - PE

Application Date  
10/02/2025

Citizenship  
United States

SUMMARY







Engineering Experience  
after EAC degree  
4 years, 3 months


Total Engineering  
Experience  
4 years, 3 months

Experience under licensed  
engineer  
4 years, 3 months

Disciplinary Action  
None reported




EDUCATION




Non-degree  
Northern Arizona University  
August 2017–December 2017

Bachelors in Civil Engineering (EAC)  
University of Nevada, Reno  
January 2018–May 2021




EXAMS



Fundamentals of Engineering (FE)  
Nevada  
May 2024

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



LICENSES

Additional Licenses  
None

NCEES ID: 21-606-16

10/03/2025

Page 1 of 5

# JORDAN BOOTHE (21-606-16)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Dowl LLC  
Nevada (United States)  
Civil Designer  
May 2021—February 2025

Verified by  
**Gregory Michael Lyman**  
glyman@dowl.com

Experience Summary  
**Full-Time**  
**Engineering: 3 years, 9 months**  
**Post EAC degree: 3 years, 9 months**  
**Experience under licensed engineer:**  
**3 years, 9 months**

### TASKS

#### Civil Designer (70%)

The Civil Designer is responsible for performing moderately complex calculations and comprehensive design services for a variety of civil engineering and site development projects. The person in this position is expected to exercise a strong work ethic, demonstrate desire to learn new design concepts, apply judgement and discretion, and have excellent organizational and communication skills. A successful Civil Designer demonstrates developing proficiency with drafting fundamentals and AutoCAD Civil 3D design software. Other duties include making site visits, coordinating with clients and approval agencies, preparing construction documents, estimating construction costs, and preparing written reports. This person is expected to work well with others, absorb and apply constructive criticism, and seek guidance from more experienced members of the team as necessary. This position works under the guidance of a licensed professional engineer.

#### Inspector (30%)

The Field Project Representative is responsible for a wide range of construction observation, administrative duties, and documentation during the construction phase of projects. Due to the field nature of this position, applicants must have the ability to travel away from their home location for extended periods of time to work on-site at construction projects. The position may also require night shift and/or weekend work as necessary. This position includes, but is not limited to, interpreting contract plans and specifications, observing and inspecting work performed by contractors to evaluate compliance with contract documents, note taking and documentation, preparation of pay requests and record keeping. The person in this position may also assist other Construction Engineering and Inspection staff with responding to requests for information, change orders and other field/construction administrative duties as needed.

### REPRESENTATIVE PROJECTS

#### Spanish Springs Freestanding Emergency Department. Sparks, Nevada 2021-2022

Spanish Springs FED consisted of 2 acres of site improvements with water, sewer, and storm drain utilities for the construction of a 10,844 square foot outpatient healthcare facility. I provided utility designs for the water and sewer. I helped with the completion of the hydrology report and calculations. I drafted the details and civil sheets for the final plan set.

#### McCarran Final Improvements Storey County, Nevada 2021-2022

McCarren was the construction of two industrial facilities, two office buildings, water, sewer, storm drain, 20.03-acre grading design with drainage channels and detention basins, and all site features for the buildings and parking lots. I designed the site grading; storm drain channels and basins. This was completed by CAD modeling. I helped with the 100-year storm event report and analysis, all site utilities, and surface improvements, and I assisted to produce the final plan set.

#### Water Main Replacement Sierra Lakes, California 2022

Sierra lakes had an emergency construction of approximately 1,500 linear feet of PVC water main, two fire hydrant assemblies, four water services, and approximately 7,000 square feet of asphalt paving and the removal and disposal of existing asbestos pipe. I was the lead construction inspector for the entire project. I was responsible for daily observation, coordination with the contractor and owner, completing daily field reports, and confirming that the project was completed in accordance with the design plans and technical specifications.

#### Damonte Ranch Free Standing Emergency Department Reno, Nevada 2022

Damonte FED was the construction of a 10,456-square-foot outpatient healthcare facility, water, sewer, and storm drain utilities, 2.26-acre grading design for the building and parking lot, and all the required site features per building codes. I designed the utility design for the water, sewer, and storm drain infrastructure. I completed the hydrology report and the sewer report. I designed the site improvements and grading for the parcel. I worked on the permitting process to the City of Reno. I completed the grading, site, and utility sheets.

Moana Springs Aquatics and Fitness Center  
Reno, Nevada 2022-2023

The proposed design for the facility includes of an approximate 47,000-square foot building. Site development will include parking, drop-off area, bus stop area, midblock pedestrian crosswalk, sidewalk, driveway access, site lighting, and landscaping. Following site utilities, grading, and storm drain infrastructure. I completed the grading design for the site development. I worked on the site design and utility design, and helped with the final plans.

Talus Sewer and Street Rehabilitation  
Reno, Nevada 2023

The project limits include 396,000 square feet of neighborhood streets and 2,600 feet of sanitary sewer pipe replacement. Construction included the replacement of 18,000 linear feet of curb and gutter including sidewalk, 367,000 square feet of pavement, and over 100 linear feet of storm drain. I was one of the inspectors for the construction of the project. I observed and completed daily field reports. I talked with the contractor, client, engineer, and homeowners. I made on the job decisions when construction related problems occurred. I informed the engineer on the progress and changes that were made.

Mark Twain Drainage  
Storey County, Nevada 2023

Mark Twain Drainage is in the "Rocky Peak" mountain range, where runoff and storm events floods the downstream housing community. This project contained heavy hydraulic modeling, design alternatives and grading design for storm infrastructure improvements. I completed the hydraulic calculations for the 5-year, 10- year, and 100-year storm events. I designed the main two embankments that are proposed to detain flow with access roads for each embankment. I proposed decisions for what type of storm infrastructure that should be utilized to the client.

North Valley Free Standing Emergency Department  
Reno, Nevada 2024

North Valleys was the construction for a Free-standing Emergency Room (FED). This included site improvements for the FED and mass grading for future development which consisted of 7.29 acres. The parcel was modeled and had storm drain infrastructure design containing retention and detention ponds. I completed the storm drain modeling and calculation for the whole parcel. I made decisions to the client for different location and different types of storm drain infrastructure. I finalized the hydrology report. I designed the sewer lift station and water utilities.

## WORK EXPERIENCE

Lumos Inc  
Nevada (United States)  
Senior Project Designer  
March 2025—September 2025

Verified by  
**Hunter Lee Mori**  
hmori@lumosinc.com

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



### TASKS

The Senior Project Designer will work under the direct supervision of a licensed Professional Engineer, with daily technical support provided as needed by other engineering staff. This is the next level of advancement from the Project Designer position. Proficiency and independence on previously mastered tasks will increase in this position, especially CAD/Civil 3D and plan production skills. A Senior Project Designer will be able to create project reports, prepare presentations, and design drawings for civil engineering projects. This position has a high level of independence in performing CAD/Civil 3D project design, writing technical reports, and conducting field visits with oversight from a licensed engineer. This position will continue to be exposed to more advanced engineering tasks with the opportunity to further develop engineering skills.



### REPRESENTATIVE PROJECTS

Town of Eureka Rd & Utility Improvements  
Eureka, Nevada 2025

This project includes the installation of 6,400 LF of AC and rolled PCC curb, replacement of approximately 171,000 SF of AC roadway, replacement of 1600 LF of 6"-8" sewer main, and 4,700 LF of new 6" water main. I completed the finish grade surface in Civil 3D for the grading design of the roads. I drafted the grading and surface sheets that were in the conformed final plan set that was sent to the contractor.

East Line Street Bridge Replacement  
Bishop, California 2025

This project was the expansion and replacement of an existing culvert. This included approximately 798 LF of curb and gutter with 28,950 SF of asphalt. I completed the finished surface model for the grading using Civil 3D. I completed the site improvements and drafted all the civil sheets that got accepted and sent to the client.

Public Works Employee Parking Lot  
Fallon, Nevada 2025


The parking lot is a new 11,802 SF asphalt section with surface improvements and new storm drain infrastructure. I drafted many design alternatives and communicated with the client to select the appropriate design. I then designed the site improvements with the storm drain infrastructure. I completed the hydrology design and the final surface design. I communicated with the client through the design process.

# ARON CHAN (21-967-91)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/15/2025**

*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 Environmental Engineering (EAC)*  
**University of Nevada, Reno**  
**August 2017–May 2021**

## EXAMS




*Fundamentals of Engineering (FE)*  
**Nevada**  
**March 2021**

*Principles and Practice of Engineering (PE)*  
**Civil**  
**Nevada**  
**December 2024**



## LICENSES



*Additional Licenses*  
**None**



WORK EXPERIENCE

Nevada Department of Transportation  
Nevada (United States)  
Staff II, Associate Engineer  
October 2021 – October 2025

Verified by  
**David William Fox**  
dwfox@dot.nv.gov

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



TASKS

As an associate engineer with the Nevada Department of Transportation (NDOT), my engineering responsibilities include supporting the Specifications Engineer in the development and review of special provisions for standard specifications, as well as reviewing civil engineering plan sets for constructability. Preparation of the special provisions includes drafting special provisions language and reviewing proposed changes to the standard specifications. This requires coordinating with multiple divisions within NDOT. Reviewing of engineering plan sets includes performing engineering calculations, assessing engineering designs and constructability, and calculating quantities for the engineer's estimate.



REPRESENTATIVE PROJECTS

Bridge Replacement – Dayton, NV  
May 2025 – October 2025

This project is a bridge replacement project through the Nevada Department of Transportation. I wrote the Special Provisions for the Standard Specifications. I coordinated with multiple divisions to write specifications covering materials, procedures, and payment. I reviewed project plan sheets to ensure adherence to design standards. I calculated quantities and reviewed estimates for construction. I computed pavement elevations to verify the bridge replacement is realigned with the existing road.

School Safety Improvement – Reno, NV  
January 2024 – May 2024

This project is a safety project consisting of removing a travel lane to accommodate a wider sidewalk. I reviewed the Special Provisions for the Standard Specifications. I reviewed project plan sheets and evaluated the proposed design for compliance of standards. I computed earthwork quantities and checked the construction estimate. I calculated the new striping quantities and recommended locations for the placement of new signs.

Drainage Facility Improvements – Tonopah, NV  
January 2022 – August 2022


This project is a mill and overlay of the roadway with drainage improvements along the shoulder. I verified existing conditions and placement location of new pipes. I calculated quantities for shoulder removal and replacement with riprap. I reviewed estimates for construction costs.

# MATTHEW CHIAVETTA (21-833-62)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/26/2025**

*Citizenship*  
**United States**

## SUMMARY







*Engineering Experience after EAC degree*  
**4 years, 4 months**

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

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

*Disciplinary Action*  
**None reported**




## EDUCATION



*Bachelors in Civil Engineering (EAC)*  
**Michigan State University**  
**August 2017–April 2021**

## EXAMS



*Fundamentals of Engineering (FE)*  
**Michigan PE**  
**April 2021**

*Principles and Practice of Engineering (PE)*  
**Civil**  
**Nevada**  
**October 2025**



## LICENSES



*Additional Licenses*  
**None**

# MATTHEW CHIAVETTA (21-833-62)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Commonwealth Associates, Inc.  
Nevada (United States)  
Engineer - Team Contributor 2  
June 2021 – October 2025

Verified by  
**Benjamin Robert Gorczyca**  
benjamin.gorczyca@cai-engr.com

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



### TASKS

Since beginning my career at CAI, I have been responsible for numerous substation design projects for the various steel structures and foundations that will be installed. I have completed strength and serviceability checks on these structures and foundations using the appropriate loads and load combinations from ASCE 7, ASCE 113, and ACI 318. These results were then summarized in reports for review by the EOR for the project. Using the results determined from these calculations, I have worked with our drafting department to modify and create drawings showing the changes to the existing stations or put together new drawings for the steel structures and foundations that will be installed as part of the scope of work. I have coordinated with the Mechanical and Electrical Engineers who complete their respective parts of the projects and ensured that the designs can be integrated successfully and there will be no discrepancies during construction. This is achieved through cross checks that occur and the various milestone submittals for the project. I have been responsible for attending meetings with the clients we consult with to update them on project status, submit RFIs for required project information, and ensure that their requirements for the project are being met. I have also been tasked with providing construction support and answering questions from the field to confirm that everything is being constructed according to the design.



### REPRESENTATIVE PROJECTS

All projects were performed under the guidance and reviewed by a professional engineer prior to submitting

Ring Bus and Synchronous Condenser Substation Expansion (June 2021 - October 2022): This project consisted of adding new steel bus structures and concrete foundations to support various 115kV electrical equipment and bus runs to power the substation and create a more redundant power system for an existing substation in Connecticut. I created a 3D model of the structures and foundations that comprised the substation expansion using RISA3D and applied appropriate loads and load combinations using ASCE 7 and ASCE 113. I analyzed the model and determined the appropriate size and strength of steel and foundations required for them to reach the necessary code checks and serviceability requirements. I also designed a fire wall to shield a new building from potentially explosive equipment per client standards. I provided markups of foundation plan, foundation details, steel key plan, and steel details to drafting drawings showing the necessary design for the station.

Substation Breaker Replacement (March 2022 - September 2024): This project involved designing concrete slab foundations and anchor bolt connections for five new 345kV breakers at an existing substation in Massachusetts. I performed calculations of the foundations and anchor bolts to ensure adequate strength and size based on loads and load combinations using ASCE 7 and ASCE 113. I verified that the foundations were in line with all soil bearing, overturning, and sliding safety factors. I developed markups of foundation plan and foundation details to create drawings showing the necessary design for the station.

Greenfield Substation Design (May 2023 - April 2024): This project consisted of designing and modeling steel structures and concrete foundations for a new 345kV substation in Ohio. The new station consisted of a ring bus with electrical monitoring equipment, a control enclosure, and transmission takeoff structures. I used client standard drawings to create new drawings for the substation and completed calculations to verify the design was safe and feasible. I performed calculations to determine strength and deflection checks for steel structures and strength and serviceability checks for mat foundations and drilled piers. I communicate with the electrical and mechanical engineers to ensure that our designs aligned and could be constructed safe and efficiently.

Capacitor Bank Substation Expansion (July 2024 - March 2025): This project involved designing steel structures, concrete slab and drilled pier foundations, and anchor bolt connections for the expansion of an existing 69kV substation in Ohio to include new 69kV capacitor banks for electrical storage. I modeled the structures and foundations that were required for the substation expansion using RISA3D and applied appropriate loads and load combinations using ASCE 7 and ASCE 113. I performed analysis on the model to appropriately size the steel and foundations for them to reach the necessary code checks and

serviceability requirements. I communicated with the client throughout the design to update them on my progress and work through any design questions or client preference I wanted to clarify. I created markups of all necessary drawings to show the design for the station expansion.

Ring Bus Substation Expansion/Breaker Replacement (January 2025 - October 2025): This project consisted of designing and modeling of steel structures and concrete foundations for expansion of an existing 12kV/69kv substation in Ohio. A new ring bus, power transformer, 12kV and 69kV circuit breakers, and various electrical monitoring equipment were all added as part of the scope of work. I created a 3D model for the structures and equipment and bus work they would be supporting, calculated the appropriate loads and factored them per the necessary load combinations, and verified that all unity and deflection checks and code minimums were met. I updated client station drawings, creating new station drawings, and completing calculations following engineering codes and client standards to confirm the changes and structural sound. The types of design that were completed for these projects were mainly strength and deflection checks for steel structures and strength and serviceability checks for mat foundations, spread footings, and drilled piers.

TYLER HILL (20-885-98)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/29/2025**

*Citizenship*  
**United States**

SUMMARY






*Engineering Experience after EAC degree*  
**2 years, 10 months**

*Total Engineering Experience*  
**2 years, 10 months**

*Experience under licensed engineer*  
**2 years, 7 months**

*Other Experience*

*Disciplinary Action*  
**None reported**




EDUCATION



*Bachelors in Civil Engineering (EAC)*  
**University of Nevada, Las Vegas**  
**August 2015–May 2020**

*Masters in Civil and Environmental Engineering*  
**University of Nevada, Las Vegas**  
**August 2020–December 2023**

EXAMS



*Fundamentals of Engineering (FE)*  
**Nevada**  
**February 2020**

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

LICENSES



*Additional Licenses*  
**None**

TYLER HILL (20-885-98)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Smith's Food and Drug  
Nevada (United States)  
Courtesy Clerk  
June 2010—December 2010

Verified by

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



DESCRIPTION

WORK EXPERIENCE

United States Air Force  
Montana (United States)  
Senior Airman  
December 2010—December 2016

Verified by

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



DESCRIPTION

# TYLER HILL (20-885-98)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Utility Services, Inc.  
Nevada (United States)  
Civil Engineer  
June 2020—July 2021

Verified by  
**Lance M Olson**  
Lance.Olson@cityofhenderson.com

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



### TASKS

Was initially responsible for EPA Safe Drinking water compliance maintenance of the the public water systems through the scheduling of regular maintenance, coordinating with water system owners during emergency maintenance, logging existing appurtenances and developing estimates for work to be completed.

The engineering design I was responsible for was water demand calculations based on water meter readings, sizing of storage tanks, system retention times, site layout for system improvements, pump sizing for booster systems, treatment system design such as chlorination injector flows and pressure tank sizing.

I wrote a preliminary engineering report (PER) to evaluate the alternatives for replacing aging storage tanks in the system. Each alternative required a lifecycle cost analysis for each of the design alternative. This involved the design and present worth cost calculations of replacing the tanks compared to switching the well water pump to a variable frequency drive. I drafted the site layout of each alternative in AutoCAD for the submittal exhibits.



### REPRESENTATIVE PROJECTS

Project: Hillcrest Manor Water Project Proposal and Preliminary Design Report  
Location: Las Vegas, Nevada  
Scope: Local  
Date of Project: June 2020 - July 2021

I scheduled, designed and created estimates of work for the compliance maintenance of over 20 small public water systems. I later designed a 30k gal storage tank upgrade for the two municipal wells that supply the distribution system at Hillcrest Manor Water Users Association. This was part of a Preliminary Engineering Report (PER) application that I wrote for a Drinking Water State Revolving Fund (DWSRF) loan application. The PER involved facilities evaluation of existing conditions, design alternatives considered and a preliminary project design of the selected tank replacement alternative.



WORK EXPERIENCE

Southern Nevada Water Authority  
Nevada (United States)  
Research Microbiology Process  
Engineer  
January 2024—December 2024

Verified by  
**Daniel Gerrity**  
Daniel.Gerrity@lvvwd.com

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



TASKS

Responsible for design and construction of sequencing batch reactors (SBRs) such as parts lists, cost estimates, evaluation of alternative design, feed pump sizing, power demand considerations, dissolved oxygen flow rates, nutrient loadings, reactor automation and reactor refinement for target aeration times and solids retention times. After construction I was also responsible for coordinating operations and maintenance of the reactors while in service such as ordering replacement parts, creating maintenance schedules for the team to follow and maintaining a running parts list of the reactors.

Engineering Calculations: Evaluation of virus reduction, SRT calculations, reactor feed nutrient concentration calculations, mixed liquor suspended solids concentrations, and use of R-studio statistical analysis software for calculations such as Spearman correlation, Kruskal-Wallis one-way analysis of variance and summary descriptive statistics to evaluate virus reduction data.

Technical writing: Performed a literature review of historical virus reduction data for research scope and to inform the research methodology of the subsequent phases of the experiment. The results of this literature review was submitted for publication in which I was first author and went through the peer review process for scientific journals. The title of the article was "Assessing the basis for regulatory crediting of virus LRVs for secondary biological wastewater treatment: A systematic review," and was published in Water Research Journal.



REPRESENTATIVE PROJECTS

Project: Developing Surrogate-based Crediting Frameworks for Virus Control Through Water Recycling Facilities  
Location: Las Vegas, Nevada  
Scope: National  
Dates: January 2024 - December 2024

I worked as a process engineer under a USEPA grant to evaluate the removal and inactivation of viruses during secondary biological wastewater treatment. I designed and constructed an automated bench-scale activated sludge system to measure the virus reduction at varying SRTs. I was also responsible for the procurement of parts, operations and maintenance and evaluating and to refining the reactor operating conditions. The design included the automation of the system, dissolved oxygen delivery system, aeration cycle times, sludge sedimentation duration, power supply and waste disposal.

WORK EXPERIENCE

Black & Veatch  
Nevada (United States)  
Civil Engineer - 3  
December 2024—October 2025

Verified by  
**Joshua Frank**  
FrankJJ@bv.com

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



TASKS

Calculations include steel pipe thickness, buckling failure off exposed steel pipe and appurtenance sizing according to AWWA, Las Vegas Valley Water District Engineering Design Standards Volume 5 and Black & Veatch internal pipeline design criteria

Pipe alignment design includes vertical and horizontal alignment design, appurtenance location design, depth of cover design, utility separation considerations and quality assurance of civil plans generated from my design.

Utility coordination includes planning and coordinating future utility investigations, designing utility relocations based on various utility owner design criteria and quality assurance of received utility data from subcontractors to incorporate into pipeline design



REPRESENTATIVE PROJECTS

Name: Horizon Lateral - Fayle Pipeline

Location: Las Vegas, Nevada

Scope: Local

Dates: December 2024 - Currently


Description: Currently working as a project engineer designing an over 5-mile long alignment of a 60" diameter potable water transmission main connecting two existing water distribution pumping stations in the Las Vegas Metropolitan area. I am responsible for designing the vertical and horizontal alignment of the pipeline as well as corresponding steel pipe calculations, coordinating utility depths for the pipeline and performing quality assurance on all civil plans generated for the design I have submitted for reproduction by our CAD technician team.

# SHAWN LEONARD-HORWITH (16-318-84)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/28/2025**

*Citizenship*  
**United States**

## SUMMARY







*Engineering Experience after EAC degree*  
**11 years, 3 months**

*Total Engineering Experience*  
**11 years, 3 months**

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

*Other Experience*

*Disciplinary Action*  
**None reported**



## EDUCATION




*Bachelors in Civil Engineering (EAC)*  
**Clemson University**  
**August 2006–December 2010**

*Masters in Civil Engineering*  
**University of Miami**  
**August 2012–May 2014**




## EXAMS



*Fundamentals of Engineering (FE)*  
**South Carolina**  
**April 2010**

*Principles and Practice of Engineering (PE)*  
**Civil**  
**Nevada**  
**October 2025**

## LICENSES



*Additional Licenses*  
**None**

# SHAWN LEONARD-HORWITH (16-318-84)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Rossmoyne, Inc.  
California (United States)  
Intern  
May 2011 — June 2011

Verified by

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



## DESCRIPTION

# SHAWN LEONARD-HORWITH (16-318-84)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Abercrombie & Fitch  
California (United States)  
Sales Associate  
November 2011 — August 2012

Verified by

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



## DESCRIPTION

SHAWN LEONARD-HORWITH (16-318-84)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

American Grating LLC  
Nevada (United States)  
Structural Designer  
July 2014—October 2025

Verified by  
Kenneth Paul Berg  
ken.berg@amgrating.com

Experience Summary  
Full-Time  
Engineering: 11 years, 3 months  
Post EAC degree: 11 years, 3 months  
Experience under licensed engineer:  
11 years, 3 months



TASKS

.I designed structural systems utilized in customer orders of fiberglass products under the supervision of two registered Professional Engineers. I managed individual projects to ensure customer satisfaction and successful implementation of products by reviewing drawings and specifications.  
I reviewed project specifications and drawings to identify potential issues, leading to smoother project execution and minimized delays. I partnered with client engineers to optimize product designs, resulting in improved functionality and alignment with client requirements. (90% engineering)  
  
I assisted customers in the sales of fiberglass grating products, structural materials, and fiberglass rebar.I supervised the warehouse to ensure successful shipments of orders while also operating heavy machinery as needed (10% engineering).



REPRESENTATIVE PROJECTS

RESERVOIR ACCESS LADDERS - HELIX WATER DISTRICT - LAKESIDE, CA - MARCH 2025 - SEPT 2025  
\*I calculated and designed a knee brace platform and structural system with ladders anchored to a circular concrete tower. The exterior edge of platform had ladders as well that contributed to beam and brace loads. Handrails were also included the project to provide user safety. Every ladder and handrail was designed according to current OSHA standards. All anchor calculations and recommendations were provided using HILTI software.

METRO BUILDERS - BOONE OLIVE PS UPGRADE PROJECT - VENICE, CA - DEC. 2024 - MAY 2025  
\*I analyzed customer contract drawings to coordinate with our drafting team to generate AutoCAD drawings. The customer revised as needed so everything matched their needs and city uses. The beams and ladders were existing steel structure that our project had to rest on and be fitted around. I also provided a stair tread and handrail system that was designed to current OSHA standards.

BERLIN STEEL CONST. CO. - PHL A WEST TERMINAL PLANT UPGRADES - WEST CHESTER, PA - OCT 2024 - FEB. 2025  
\*I utilized customer contract drawings to coordinate with our drafting team to generate AutoCAD drawings for a large walkway system. The products utilized were FRP gratings and FRP plate to each function as individual floor systems. I performed calculations to ensure all grating and plate met project deflection limit requirements.

ACCO ENGINEERED SYSTEMS - COYOTE CREEK CHILLERS PLATFORMS - MORGAN HILL, CA - SEPT. 2024 - FEB. 2025  
\*I analyzed customer contract drawings to coordinate with our drafting team to generate AutoCAD drawings for a small walkway system. The FRP platform included handrail designed to meet current OSHA standards. The project required wind calculations to be perform to meet ASCE 7-22 standards for customer CA code requirements.

KIEWIT INFRA. CO. - NE - WILLARD AVE PS & HAMPTON TRUNK IMPROVEMENT PROJECT - HAMPTON, VA - JUNE 2023 - JUNE 2024  
\*I reviewed customer contract drawings to coordinate with our drafting team to generate AutoCAD drawings for a subterranean grating flooring and stair system. The project included continuous span flooring uses, as well as a stair system that was anchored to a limited concrete floor depth that the stringers attached to. There were also wall mounted small circular handrail (second rail) as well as a stringer-mounted handrail (main and second rail) that were designed to meet current OSHA standards.

OSCAR RENDA CONTRACTING - ROMERO ARM INTERCEPTOR SEG 5 RELINING - STERLING TOWNSHIP, MI - JULY 2021 - MARCH 2023  
\*I developed a floor and handrail system with a unique layout to fit within the circular concrete structure. Side-mounted handrail was mounted to existing steel beams to support safe loads.

STEWART INDUSTRIAL - CALVIN WWTP EXPANSION - OWENSBORO, KY - SEPT 2019 - NOV. 2020

\*I designed a handrail system of both side and top mounted handrail for safe use per OSHA standards along with floor grating. The project also included underground side-mounted ladders anchored to concrete walls. I provided the customer with updated drawings as well as stamped materials as needed to ensure all products functioned safely.

HAWKINS CONST. CO. - YORK WATER RECLAMATION FACILITY - YORK, NE - JAN 2018 - MARCH 2018

\*I designed a heavy duty floor grating system that utilized heavy duty grating to support heavy loads. The grating floor system included cutouts for piping that allowed load transfer around the material. The project also included notched FRP weir plates for water level control at correlating areas of the project.

LOBAR INC - CLEARFIELD WWTP - CLEARFIELD, PA - OCT 2015 - FEB. 2016

\*I designed a floor system utilizing FRP beams, cross braces, columns, grating, handrail, and underground ladders to meet customer project standards. The floor support system was designed to safely go around caustic soda tanks for the job site requirements.

# MICHAEL LETTERIELLO (21-213-31)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/22/2025**

*Citizenship*  
**United States**

## SUMMARY







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


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

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

*Disciplinary Action*  
**None reported**




## EDUCATION



*Bachelors in Civil Engineering (EAC)*  
**California Polytechnic State University, San Luis Obispo**  
**September 2015–June 2021**

## EXAMS



*Fundamentals of Engineering (FE)*  
**Nevada**  
**June 2021**

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



## LICENSES



*Additional Licenses*  
**None**



# MICHAEL LETTERIELLO (21-213-31)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

VTN Nevada  
Nevada (United States)  
Associate Engineer  
August 2021 – October 2025

Verified by  
**Robert Hosea**  
roberth@vtnnv.com

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

## TASKS

As an Associate Engineer at VTN Nevada, I am responsible for leading and supporting the design and analysis of public infrastructure and land development projects, including drainage, traffic, and water network studies, as well as Capital Improvement Projects (CIPs). My work involves performing hydrologic and hydraulic analyses using Autodesk Civil 3D, HEC-1, HEC-HMS, HEC-RAS, HY-8, WSPGW, and Bentley FlowMaster. I delineate watersheds and determine watershed characteristics, model detention basins, and evaluate hydraulic routing and storm drain capacity following the Clark County Regional Flood Control District (CCRFCD) Hydrologic Criteria and Drainage Design Manual.

I also prepare and review traffic impact analyses, performing level-of-service (LOS) evaluations for signalized and unsignalized intersections using PTV Vistro and Highway Capacity Software (HCS). My responsibilities include determining trip generation and distribution, forecasting traffic growth, implementing signal timing, analyzing vehicle queuing for commercial drive-throughs and gated residential communities, complete crash analyses, and designing roadway improvements consistent with NDOT Access Management Standards.

My experience with water network analyses includes modeling existing and proposed distribution systems using Bentley WaterCAD to confirm adequate pressure under Maximum Day, Peak Hour, and Fire Flow scenarios.

In addition to the technical reports, I provide thorough quality assurance and quality control reviews for improvement plans, reports, and design deliverables to ensure compliance with agency standards and project objectives.

Currently, my primary focus is on Capital Improvement Projects involving roadway, flood control, and multi-use trail infrastructure. I manage project schedules; coordinate with clients, subconsultants, and utility companies; prepare technical reports and design plans; develop cost estimates; prepare specifications; and review contractor RFIs to support successful project delivery.

## REPRESENTATIVE PROJECTS

Villages at Tule Springs / North Las Vegas, NV / August 2021 – Present

The Villages at Tule Springs is a master-planned community comprised of large residential subdivisions, community parks, and commercial developments.

As part of the land development team, I contributed to the design of single-family residential subdivisions and community parks. My responsibilities included completing drainage designs for several residential developments, which involved storm drain systems for runoff conveyance and detention basins designed to contain 100-year storm events. I also performed traffic impact analyses, including trip generation calculations, level-of-service assessments, and gated-queue analyses. Additionally, I conducted quality assurance reviews of improvement plans prior to submittal to the City of North Las Vegas.

Utah Avenue Complete Streets / City of Las Vegas / June 2022 – Present

This capital improvement project involves the design of a complete street with two travel lanes, angled and parallel parking stalls, new curb and gutter, PROWAG-compliant pedestrian walkways, amenity zones, commercial driveways, alleyway enhancements, and decorative street lighting. Additional scope includes utility coordination and relocation, lane delineations, streetscape trees with soil cell systems, sewer rehabilitation (including brick manhole replacement and CIPP lining), and integration of ITS and smart city infrastructure.

I am responsible for preparing specifications, bid schedules, and cost estimates; facilitating quality assurance reviews at key design milestones (60%, 90%, and Pre-Final); attending and documenting coordination meetings; and managing coordination efforts with the City of Las Vegas and subconsultants.

Grand Park Detention Basin / Las Vegas, NV / October 2022 – December 2024

The Grand Park Detention Basin is a 108-acre-foot regional facility located in Summerlin West. It includes an inflow energy dissipation structure, an emergency spillway designed for the Peak Maximum Flood event, approximately 5,000 linear feet of reinforced concrete box storm drain, interim swales and inlets, and a low-flow outlet structure.

My role involved developing the project's Emergency Action Plan (EAP) for approval by the Nevada Division of Water Resources

(NDWR) and the City of Las Vegas, to be implemented upon Authorization to Impound. I completed 2D HEC-RAS hydraulic modeling for both the 100-year storm dam-breach and Peak Maximum Flood Spillway Activation scenarios. The final EAP included detailed inundation and evacuation maps, emergency contact directories, notification flowcharts, and comprehensive procedures for emergency response.

#### Wetlands Park Loop Trail Completion/ Clark County / March 2023 – December 2024

This project, developed for Clark County Real Property Management, involved the design of five miles of new multi-use trails within Wetlands Park, divided into two phases: Phase 1 (1.2 miles) and Phase 2 (3.8 miles). Phase 1 was constructed in 2024, while Phase 2 reached pre-final design, marking the completion of our company's scope.

My responsibilities included attending and documenting bi-weekly progress meetings, preparing alternative trail alignment exhibits, coordinating with Wetlands Park staff, and participating in site walks. I assisted with plan development, prepared specifications, and coordinated with subconsultants for cost estimates, geotechnical evaluations, environmental permitting, and structural design. I also provided bid support, attended weekly construction meetings, reviewed contractor submittals, evaluated change orders, and documented construction progress.

#### Avenue I Storm Drain Improvements and Wells Drive Levee Lining / Jul 2023-Present / Boulder City, NV

Scope: This project involves the design of a new storm drain system for the Clark County Regional Flood Control District (CCRFCD) to replace undersized infrastructure along Avenue I between Highland Drive and 5th Street. The scope also includes the retrofit of an existing levee to have a lining to mitigate sediment accumulation and control erosion.

I was responsible for preparing the Alternatives Analysis Report, which evaluated two proposed storm drain alignments, including preliminary cost estimates and constructability assessments for each. I subsequently completed Drainage Design Reports for the selected alternative at each design milestone and am preparing a Master Plan Amendment to the CCRFCD Master Plan Update for Boulder City. My additional responsibilities include developing special provisions, bid schedules, and detailed cost estimates at each design phase. During the bid and construction phases, I will support the project team by responding to bid inquiries, preparing addenda, and providing timely responses to RFIs.

# CESAR LOPEZ (13-779-94)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/24/2025**

*Citizenship*  
**United States**

## SUMMARY







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

*Total Engineering Experience*  
**11 years, 11 months**

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

*Other Experience*

*Disciplinary Action*  
**None reported**




## EDUCATION



*Bachelors in Civil Engineering (EAC)*  
**University of Nevada, Las Vegas**  
**June 2006–May 2013**

## EXAMS



*Fundamentals of Engineering (FE)*  
**Nevada**  
**May 2014**

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



## LICENSES



*Additional Licenses*  
**None**

CESAR LOPEZ (13-779-94)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Bellagio  
Nevada (United States)  
Valet  
May 2005—May 2006

Verified by

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



DESCRIPTION

# CESAR LOPEZ (13-779-94)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

WSP (formerly PARSONS  
BRINKERHOFF)  
Nevada (United States)  
Engineer I  
May 2013—August 2018

Verified by  
**Scott Anthony Rickert**  
scott.rickert@atkinsrealis.com

Experience Summary  
**Full-Time**  
**Engineering: 5 years, 3 months**  
**Post EAC degree: 5 years, 3 months**  
**Experience under licensed engineer:**  
**None**



### TASKS

In this role, I performed and analyzed a variety of traffic engineering tasks, including traffic capacity, delay, and queuing studies using software such as HCS+, Synchro, and SIDRA. I developed multi-modal transportation solutions based on a thorough understanding of NDOT Access Management guidelines, AASHTO roadway design standards, the MUTCD, the Highway Capacity Manual (HCM), and the Highway Safety Manual (HSM).

I was responsible for drafting both conceptual and final design plans for traffic signals, signage and pavement markings, and temporary traffic control. All design work was completed in accordance with applicable WSDOT, NDOT, AASHTO, and MUTCD standards and guidelines. I also performed and reviewed design calculations and prepared preliminary cost estimates for various project components.

As part of the quality control process, I conducted initial QA/QC checks of technical work products to ensure accuracy and compliance with agency and client requirements. I participated in field investigations and data collection efforts to support the design and analysis process. I collaborated with clients including Metropolitan Planning Organizations (MPOs) and local municipalities through meetings and ongoing coordination. Additionally, I prepared technical reports, design memoranda, and client-facing documentation to clearly present analysis findings, design alternatives, and final recommendations.



### REPRESENTATIVE PROJECTS

Washington Avenue and Owens Avenue/Vegas Drive Complete Streets Study | Las Vegas, Nevada | 2014 to 2016:

The Washington Avenue and Owens Avenue/Vegas Drive Complete Streets Study evaluated opportunities for implementing Complete Streets treatments along 24 miles of corridor from Durango Drive to Nellis Boulevard (Washington Avenue), and from Rampart Boulevard to Nellis Boulevard (Owens Avenue/Vegas Drive). The objective was to improve accessibility to community amenities and residential neighborhoods through enhanced pedestrian, bicycle, and transit infrastructure.

I conducted detailed field reviews of the corridors and examined relevant Master Plans, to assess existing and planned infrastructure. I performed crash data inventory and analysis, with a focus on high-crash areas and incidents involving bicycles and pedestrians.

Using GIS, and MicroStation, I developed existing and proposed bicycle network maps and analyzed Safe Routes to Schools to recommend improvements such as raised medians and pedestrian crossing islands. I reviewed right-of-way availability throughout both corridors to identify constraints and determine where bicycle lanes could be implemented in accordance with AASHTO guidelines.

I identified and prioritized potential pedestrian and bicycle improvements, including widened sidewalks, landscape buffers, enhanced crossings, bridges, and dedicated bike facilities. I analyzed existing transit routes and identified opportunities to expand the network, particularly in the northeastern portion of the study area.

I conducted PROWAG/ ADA analysis through field reviews and assessment of infrastructure needs such as tactile warning surfaces, crosswalk enhancements, HAWK signals, Rectangular Rapid Flashing Beacons (RRFBs), and pedestrian prohibitions, guided by AASHTO's publications.

Garnet Interchange Improvement Project | Las Vegas, Nevada | 2017 to 2018:

This project involved technical studies to improve traffic operations, enhance safety, and improve operations and capacity along a five-mile segment of US 93 north of the I-15 interchange. The focus was on identifying feasible design solutions to address current and future transportation demands.

I performed capacity analyses using the HCS 2010 Facilities module and Synchro for both existing conditions and forecasted traffic volumes. I conducted operational evaluations of preliminary design alternatives, including roundabout analysis using SIDRA, to determine lane requirements and appropriate traffic control measures.

Under the supervision of a licensed Professional Engineer, I developed electrical load and breaker calculations, as well as lighting and ITS (Intelligent Transportation Systems) design plans. I evaluated traffic volumes and crash data to identify high-risk areas

and recommended mitigation strategies for both build and no-build scenarios in existing and future conditions. I prepared preliminary cost estimates and drafted relevant sections of the Change in Control of Access Report analysis section.

# CESAR LOPEZ (13-779-94)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

WOOD RODGERS  
Nevada (United States)  
Assistant Engineer  
January 2019—December 2023

Verified by  
**bryan charles gant**  
bgant@woodroddgers.com

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



### TASKS

In this role, I conducted traffic engineering analyses for Traffic Impact Studies, Transportation Assessments, Signal Warrants, and Corridor Improvement Plans. I drafted technical documentation addressing traffic operations, speed studies, roadway capacity analyses, and pedestrian safety evaluation using principles from the Highway Capacity Manual (HCM) and other relevant guidelines. I analyzed crash data using Highway Safety Manual (HSM) methodologies and recommended safety countermeasures aligned with Nevada DOT standards. I performed benefit-cost analyses to justify proposed improvements based on safety performance and operational efficiency.

I designed roadway features such as signage, pavement markings, and pavement delineation plans for Capital Improvement Projects (CIPs) using AutoCAD. I prepared planning-level studies, alternative analyses, parcel maps, and preliminary cost estimates in support of design development.

I applied Geographic Information Systems (GIS) to compile, process, and visualized traffic and spatial data for use in technical analysis and reporting. I prepared written summaries, engineering memoranda, and technical reports to document findings in accordance with applicable public agency requirements. I reviewed all calculations, figures, and data inputs to ensure accuracy and consistency with engineering standards and regulatory guidance. I applied engineering judgment throughout each phase of analysis and design to meet project objectives while ensuring safety, efficiency, and regulatory compliance.



### REPRESENTATIVE PROJECTS

Google 100-200 W. Carribean Drive Traffic Impact Analysis | City of Sunnyvale, California | 2019-2020

Scope: Transportation impact analysis for major office campus redevelopment

This project involved the redevelopment of 13 industrial buildings within the Moffett Park Specific Plan area into a new Google office campus. The proposed development included two five-story office buildings, a five-story parking structure, surface parking lots with 2,054 spaces, a central utility plant, multi-use pathways, and employee amenities such as sports courts.

I conducted a comprehensive Traffic Impact Analysis (TIA) to evaluate the project's effects on vehicular, bicycle, pedestrian, and transit facilities within the study area. My analysis covered both existing and future conditions, as well as multiple project alternatives.

Using traffic modeling software, I evaluated the level of service (LOS) and operational impacts at signalized intersections within the study area. I also developed GIS-based network maps illustrating existing and future land use, bicycle and transit facilities, and LOS exhibit maps to support the technical documentation and stakeholder review process.

Jackson Avenue Roadway Improvements | Las Vegas, Nevada | 2020-2022

Scope: Complete Streets implementation in the historic Westside Community

This project focused on the planning and implementation of Complete Street improvements along Jackson Avenue in the historic Westside Community near downtown Las Vegas. The goal was to enhance mobility and safety for all users by introducing new pedestrian, bicycle, and ADA-compliant infrastructure, along with upgraded landscaping and lighting.

I provided design support for the proposed improvements, which included the installation of new sidewalks in areas lacking pedestrian access, the construction and reconstruction of ADA-compliant curb ramps, and the replacement of driveways, alleys, curbs, and valley gutters. I identified utilities, including valve boxes, fire hydrants, sewer manholes, and street lighting.

US 50 S. Shore Revitalization, Stateline, Nevada | Stateline, Nevada & South Lake Tahoe, California | 2022-2023

Scope: Corridor realignment planning, environmental analysis, and multimodal improvements.

This project focused on evaluating the potential realignment of a two-mile segment of US 50 near the California/Nevada Stateline, within the City of South Lake Tahoe and Douglas County. The objective was to support environmental clearance and obtain Caltrans approval for a proposed realignment that would shift through-traffic away from the commercial core to encourage redevelopment, enhance walkability, and promote multimodal transportation.

I developed Intersection Control Evaluation (ICE) analyses to assess alternative intersection configurations along the proposed

realignment. Using SYNCHRO and SIDRA, I conducted traffic modeling and level-of-service (LOS) analysis for both existing and proposed signalized intersection and roundabout configurations.



## WORK EXPERIENCE

CITY OF LAS VEGAS | Public Works  
Nevada (United States)  
Senior Engineering Associate  
January 2024—October 2025

Verified by  
**Sean Robinson**  
srobinson@lasvegasnevada.gov

Experience Summary  
**Full-Time**  
**Engineering: 1 year, 9 months**  
**Post EAC degree: 1 year, 9 months**  
**Experience under licensed engineer:**  
**1 year, 9 months**

## TASKS

Public Works – Transportation Engineering Department | January 2024 to May 2024:

In this role, I responded to engineering inquiries from city staff, developers, and the public. I assessed internal and external requests related to transportation design, operations, and maintenance. I performed engineering analyses, evaluated alternatives, and made recommendations based on safety, performance, and feasibility.

I maintained asset databases using aerial imagery, field-collected data, and open-source information. I conducted data audits to ensure accuracy and consistency. I performed field reviews of design and construction projects, documented observations, and recommended design adjustments to correct deficiencies or ensure compliance with standards.

All tasks were performed with a focus on public safety, engineering integrity, and compliance with local and national standards. My responsibilities consistently required the application of sound engineering judgment and adherence to professional standards in traffic analysis, roadway design, and report preparation and documentation.

Public Works - Development Coordination Department | May 2024 to October 2025:

In this role, I review traffic impact studies, development plans, planning documents, and capital improvement programs to assess impacts on the City's transportation system. I evaluate compliance with federal, state, and local regulations related to roadway design, intersections, signing, striping, traffic signals, pedestrian and bicycle facilities, ADA features, street lighting, and intelligent transportation systems.

I review and approve permits for off-site improvements and monitor for adherence to design and regulatory requirements. I evaluate Planning Commission submittals and prepare conditions of approval consistent with engineering standards and municipal codes. I address technical issues by analyzing planning-level documents and engineering plans.

I prepare exhibits and new development generated traffic projection analysis material for Planning Commission. I maintain transportation planning, modeling, and cost participation databases using Infor and Content Manager. I review entitlement applications, tentative subdivision maps, and site development plans to confirm consistency with applicable design standards.

## REPRESENTATIVE PROJECTS

City of Las Vegas Public Works – Transportation Engineering Division:

Public Inquiries and Work Orders from January 2024 to May 2024 - Example: All-Way Stop Study | Hillpointe Road at Spring Gate Lane and Crestdale Lane, Las Vegas, Nevada

Scope: Traffic control evaluation in response to constituent requests

This study was initiated in response to a request from the City of Las Vegas Ward 2 Council Office to evaluate the need for all-way stop controls at two intersections along Hillpointe Road, at Spring Gate Lane and Crestdale Lane.

I conducted warrant analyses in accordance with the Manual on Uniform Traffic Control Devices (MUTCD), using collected traffic volume data and crash history for both intersections. Based on the findings, I determined that both intersections met the criteria for all-way stop control. I documented the results and provided recommendations in a formal memorandum. Additionally, I identified excessive speeding on Hillpointe Road, with 85th percentile speeds exceeding 46 mph in a posted 25 mph school zone. As a supplemental safety measure, I recommended the installation of flashing red beacons to alert drivers of the new intersection controls. I developed signage and striping plans using AutoCAD and submitted a Work Order for the installation of stop signs and appropriate pavement markings at both intersections.

City of Las Vegas Public Works – Development Coordination Department:

Planning Commission Development Review Team (DRT) – Traffic Notes from May 2024 to October 2025 (Monthly Reviews) -

Example: October Planning Commission Traffic Notes

Scope: Traffic analysis support for private development reviews

As part of the Development Review Team (DRT), I provide monthly traffic analysis for projects scheduled to appear before the

City of Las Vegas Planning Commission. I review proposed developments, calculate trip generation, and evaluate potential impacts on the surrounding transportation network.

An example was the “Eterno” Resort Hotel project, located at the northeast corner of Charleston Boulevard and Grand Central Parkway. The proposed development included a 312-unit hotel, 21,850 square feet of medical office space, a 45,870-square-foot gym, and a 4,980-square-foot restaurant.

I calculated trip generation using the ITE Trip Generation Manual and estimated the Project would generate approximately 5,741 daily trips. My analysis concluded that Grand Central Parkway would remain over capacity, and Charleston Boulevard would exceed capacity due to the additional traffic demand. I documented the findings in a traffic memo and notified project managers and supervisors in advance of the October, 2024, Planning Commission meeting to inform them of their review and decision-making on potential approval for entitlement conditions.

# EDGAR LOPEZ (21-640-16)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/28/2025**

*Citizenship*  
**United States**

## SUMMARY







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

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

*Experience under licensed engineer*  
**5 years, 6 months**

*Other Experience*

*Disciplinary Action*  
**None reported**



## EDUCATION



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

## EXAMS



*Fundamentals of Engineering (FE)*  
**Nevada**  
**September 2021**

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



## LICENSES



*Additional Licenses*  
**None**

EDGAR LOPEZ (21-640-16)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Fossil  
Nevada (United States)  
Sales Associate  
August 2012—November 2012

Verified by

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



DESCRIPTION

EDGAR LOPEZ (21-640-16)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

R & R Air Conditioning & Heating  
Nevada (United States)  
Technician  
June 2014—September 2014

Verified by

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



DESCRIPTION

EDGAR LOPEZ (21-640-16)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Brooks Brothers  
Nevada (United States)  
Sales Associate  
November 2012—March 2015

Verified by

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



DESCRIPTION

# EDGAR LOPEZ (21-640-16)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Maroma Energy Services  
Nevada (United States)  
Inspector  
March 2015—April 2018

Verified by

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



## DESCRIPTION

EDGAR LOPEZ (21-640-16)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Air works Cooling & Heating  
Nevada (United States)  
Technician  
April 2018—November 2018

Verified by

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



DESCRIPTION



# EDGAR LOPEZ (21-640-16)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

GCW Engineering  
Nevada (United States)  
Engineer Intern  
November 2018—March 2020

Verified by  
**Gia Dinh Nguyen**  
GDNguyen@drhorton.com

Experience Summary  
**Part-Time**  
**Engineering: 8 months (50%)**  
**Experience under licensed engineer: 8 months**



### TASKS

As a student intern, I was first introduced to land development. My primary role was to assist in different areas of the project wherever help was needed. I utilized AutoCAD Civil 3D to execute lot fit analysis, site plans, tentative maps, plot plans and engineering exhibits.



### REPRESENTATIVE PROJECTS

Horizon Ridge & Gibson West:

- Henderson, NV
- November 2018 - May 2021
- As an Engineer Intern, I was part of a residential land development team. I worked on a project located at intersection of Horizon Ridge Pkwy & S Gibson Road in Henderson Nevada. I utilized AutoCAD Civil 3D to complete various residential lot plot plans that included a full grading plan for each individual residential lot. I positioned the house footprint following agency front, rear and side set back standards. I designed type A drainage from the lot pad high point to the front of the street. I conducted calculations on finished floors of the garage and driveway slopes. Through this, I recommend the minimum number of garage steps needed to be constructed and to follow maximum slope agency standards. Each plot plan would then be submitted to the agency for construction approval.

EDGAR LOPEZ (21-640-16)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

R & R Air Conditioning & Heating  
Nevada (United States)  
Technician  
March 2020—August 2020

Verified by

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



DESCRIPTION

# EDGAR LOPEZ (21-640-16)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

GCW Engineering  
Nevada (United States)  
Student Intern  
August 2020—May 2021

Verified by  
**Gia Dinh Nguyen**  
gdnguyen@drhorton.com

Experience Summary  
**Part-Time**  
**Engineering: 5 months (50%)**  
**Experience under licensed engineer: 5 months**



### TASKS

As a student intern, I was first introduced to land development. My primary role was to assist in different areas of the project wherever help was needed. I utilized AutoCAD Civil 3D to execute lot fit analysis, site plans, tentative maps, plot plans and engineering exhibits.



### REPRESENTATIVE PROJECTS

Summerlin Village Parcel 1:

- Las Vegas
- November 2018 - May 2021
- As an Engineer Intern, I was part of a residential land development team. I worked on a project located at intersection of Cross Bridge Dr & Sage Grass Ave in the City of Las Vegas. I utilized AutoCAD Civil 3D to complete various residential lot plot plans that included a full grading plan for each individual residential lot. I positioned the house footprint following agency front, rear and side set back standards. I designed type A drainage from the lot pad high point to the front of the street. I conducted calculations on finished floors of the garage and driveway slopes. Through this, I recommend the minimum number of garage steps needed to be constructed and to follow maximum slope agency standards. Each plot plan would then be submitted to the agency for construction approval.

# EDGAR LOPEZ (21-640-16)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

GCW Engineering  
Nevada (United States)  
Engineer in Training  
May 2021 – February 2022

Verified by  
**Gia Dinh Nguyen**  
gdnguyen@drhorton.com

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



### TASKS

As an Engineer in Training (EIT), my work experience in the land development field increased. I utilized AutoCAD Civil 3D to make changes to utility pipe design files. I marked minimum cover distances needed for both sewer and water. I suggested sewer pipe slopes, invert elevations and sewer manhole locations to efficiently tie to the existing point of connection and reduce construction cost as much as possible to provide a feasible pipe network system.



### REPRESENTATIVE PROJECTS

Silverado Ranch & Arville Single Family:

- Clark County, NV
- May 2021 - February 2022
- I assessed agency red lines for residential projects. I calculated vertical separations between sewer and water. During these tasks, I recommended appropriate vertical distance following agency standards. I performed project quantities, sight visibility zones and reviewed improvement plans.

## WORK EXPERIENCE

DHI Engineering  
Nevada (United States)  
Project Engineer  
February 2022—October 2025

Verified by  
**Gia Dinh Nguyen**  
gdnguyen@drhorton.com

Experience Summary  
**Full-Time**  
**Engineering: 3 years, 8 months**  
**Post EAC degree: 3 years, 8 months**  
**Experience under licensed engineer:**  
**3 years, 8 months**



### TASKS

As a project engineer, my work experience in the land development field expanded. I utilized Civil 3D to design residential improvement plans. I performed earthwork analysis to determine the total volume of material to be cut or filled from the proposed finished grades. I also utilized ArcGIS pro to extract parcel boundaries and existing topography to create preliminary grading from a proposed site in due diligence for each project assigned.



### REPRESENTATIVE PROJECTS

Cadence N7 Phase 3 Bay and Falls.

- Henderson, NV

- February 2022- January 2024

- I produced the Improvement Plan for the proposed residential development at the intersection of Canary Song Dr & Hollywood Blvd in the city of Henderson in a Master Planned Community. I analyzed the site plan and drainage flow patterns. This was reviewed to identify low and high points throughout the site surface to drain the water out of the proposed subdivision. I utilized AutoCAD Civil 3D and designed both sag and crest vertical curves to grade the proposed streets and maintain the finished grade as close to the existing grade as possible. I also evaluated the minimum pad elevation needed for each lot. I reviewed the soils report to calculate the recommended slab thickness needed based on the existing soil conditions. I studied built plans to identify existing project boundary conditions and pointed out utility point of connections. I analyzed the Manual on Uniform Traffic Control Devices (MUTCD) to find and propose a left turn pocket.

Village of Tule Springs Parcel 1.20

- North Las Vegas, NV

- February 2023 - January 2024

- I produced the Improvement Plan for the proposed residential development at the intersection of Tule Springs Parkway & Evelyn Brook St. in the city of North Las Vegas Master Planned Community. I utilized AutoCAD Civil 3D to design street profiles and produced a finished grade surface that follows adequate drainage flow patterns following local agency standards. I designed a storm drainpipe network and specified each storm drain manhole following local drawing standards. I graded a 20-foot channel adjacent to the project to accommodate existing flows coming into the proposed site and diverted it into a proposed storm drainpipe.

Village of Tule Springs Parcel 1.22.

- North Las Vegas, NV

- July 2024 - September 2025

- I produced the Improvement Plan for the proposed residential development at the intersection of Tule Springs Parkway & Lani Lake St in the city of North Las Vegas Master Planned Community. I researched agency standards for designing a flat pad and minimum vertical sedimentation for the trap needed for a proposed sump. This was needed to collect the existing flows coming into the west side of the proposed residential development and divert it into an existing channel. I calculated the minimum elevation to design a storm drainpipe. I graded the sump out at 3:1 to tie into existing topography and designed a flow line to collect the flow into the sump.

Pebble Park South

- Clark County, NV

- November 2024 – Ongoing

- I produced the Improvement Plan for the proposed residential development at the intersection of Grand Canyon Dr & Pebble Road in Clark County jurisdiction. Due to the overall topography of the site, tiered retaining walls were proposed. I designed the total number of retaining walls needed to accommodate the proposed residential development to existing boundaries. I calculated top of retaining walls, finished grade and top of footing needed for each wall. I designed both crest and sag vertical curves with given design speeds to obtain a desired k value to meet design standards. I researched within the Manual on Uniform Traffic Control Devices (MUTCD) the minimum taper length needed to propose a pavement transition from 19 feet to 9.5 feet pavement. I

also researched in the soils report, the different road sections needed for Asphalt concrete & Type II thickness based on right of way widths.

# RAINER MACKAY (21-350-33)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/28/2025**

*Citizenship*  
**Canada**

## SUMMARY






*Engineering Experience after EAC degree*

*Total Engineering Experience*  
**7 years**

*Experience under licensed engineer*  
**7 years**

*Disciplinary Action*  
**None reported**



## EDUCATION




*Associates in Diploma in Engineering*  
**St. Francis Xavier University**  
**September 2013–May 2015**

*Bachelors in Civil Engineering*  
**Dalhousie University**  
**September 2015–May 2017**

*Masters in Civil and Environmental Engineering*  
**University of Western Ontario**  
**September 2017–October 2018**

## EXAMS



*Fundamentals of Engineering (FE)*  
**California**  
**July 2025**

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

## LICENSES



*Additional Licenses*  
**None**

## WORK EXPERIENCE

**DIALOG**  
Alberta (Canada)  
Structural Designer  
August 2018 – August 2019

Verified by  
**Chris Lenzin**  
clenzin@dialogdesign.ca

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



### TASKS

As a Structural Designer at DIALOG, I performed structural analysis, design, and detailing tasks under the supervision of licensed professional engineers Chris Lenzin, Ryan Wilmer, and Gamal Ghoneim. My responsibilities progressed from basic design tasks to complex analyses requiring independent judgment within established parameters.

I conducted structural analysis of buildings, bridges, and civil structures using ETABS, SAP2000, SAFE, RAM Steel, and RAM Concept for gravity loads, lateral forces, construction cases, earth pressures, and thermal effects. I prepared calculations and design documentation for steel, concrete, and mass timber systems across various design phases from schematic design through construction administration. I coordinated with other disciplines internally as well as our department's structural technologists. For steel structures, I analyzed and designed a multi-span connector bridge subjected to moving vehicle loads, including main members (beams, columns, 3D trusses) and connection assessments to concrete abutments. I developed preliminary layouts for long-span exhibition center trusses and corresponding lateral systems (braced frames and moment frames). In concrete design, I analyzed two-way slab and column systems for multiple projects, including a large hospital where I coordinated with other design team engineers. I evaluated existing concrete structures for a gymnasium addition, analyzing elevated slabs under increased loading and recommending necessary strengthening methodologies.

Regarding specialized applications, I assisted in the design of a tangent pile wall for slope stabilization, performing lateral pile analysis using geotechnical consultant-provided soil spring properties. Throughout my employment, I gained increasing responsibility for independent decision-making while maintaining appropriate professional supervision for all engineering work.



### REPRESENTATIVE PROJECTS

- **Calgary Cancer Center (Main Building & Connector)** – I refined the analysis and design of seven multi-span, multi-story bridge connectors linking an existing facility to a new hospital. I maintained separate SAP2000 models for each span, analyzing gravity loads (dead/live/snow), lateral forces (wind/seismic), reduced connection stiffnesses, construction loads, unbalanced loading, and thermal effects. The floor system featured concrete fill over non-composite metal decking. The side of each bridge-connector incorporated multistory trusses, except one span requiring a Vierendeel configuration. I designed plan bracing systems to transfer in-plane diaphragm forces to moment frames at span ends and continued my involvement through shop drawing review.
- **Lethbridge Exhibition Center** – I optimized the roof system for this facility, consisting of bare metal deck spanning to joists and prefabricated trusses supported by large-span custom trusses. Beyond typical gravity and lateral loads, I analyzed movable partition and rigging loads, iterating through configurations to determine economical spacing. I developed preliminary brace frame configurations with plan bracing where metal deck shear strength proved inadequate. The project included wedding hall in which I primarily designed by use of hand calculations RAM Steel. This wedding hall required vibration analysis per AISC Design Guide 11 due to rhythmic loading. I performed lateral analysis for a proposed rammed earth wall and determined preliminary mass timber beam and column sizes for the entry portion, including fire load cases.
- **Edmonton Ice District** – I independently designed a roof screen system under professional supervision, consisting of tube steel posts with kickers and in-plane bracing. I assisted with composite floor system design for a proposed grocery store in a podium laterally separated from adjacent high-rise buildings.
- **Tangent Pile Wall** – I designed a tangent pile wall for slope stability in Northern Alberta, analyzing circular piers in SAP2000 using geotechnical engineer-provided soil springs and iterating as required. I performed hand calculations and used Response 2000 to determine accurate cracked section stiffness and required reinforcement.
- **Mass Timber Hospital Study** – I assisted in a preliminary feasibility study for mass timber hospital construction in British Columbia, evaluating fire considerations for exposed soffits, significant load cases, and vibration performance requirements. The



helipad analysis revealed that mass timber system depth would be problematic for the proposed structural grid, indicating alternative materials were more appropriate.

- Existing Building Gymnasium Addition – I conducted a strengthening study for an existing floor system to accommodate a proposed gymnasium. Using RAM Concept modeling, I determined the existing system was inadequate. After considering FRP solutions, my supervisor and I recommended additional structural steel framing below the existing slab.

## WORK EXPERIENCE

Holmes  
California (United States)  
Senior Engineer  
August 2019—August 2025

Verified by  
**Jared Ellis**  
Jared.Ellis@holmes.us

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



### TASKS

My first role at Holmes was as a structural designer. In this role I was responsible for performing calculations on limited scope items on projects such as designing the gravity or lateral systems of concrete or steel buildings as directed by senior engineers. I reviewed submittals whilst performing construction administration and answered RFIs when delegated to me. I performed linear analysis on several buildings and structures using various platforms.

As a project engineer at Holmes my responsibility increased. I performed calculations in projects of increasing complexity such as projects located in high seismic zones, performed more complex analyses such as vibration assessment, and started to perform independent scopes of nonlinear projects such as post-processing nonlinear analysis results. I created calculation packages for projects, performing all structural calculations for a project including foundation design, gravity system design, and the design of lateral systems. I detailed connections between building elements and coordinated with architects and other consultants to help achieve the structural requirement of a project. I performed an increased level of CA duties including performing site visits, delivering site instructions, and helped work with the contractor in solving difficult challenges.

As a senior engineer at Holmes I've been responsible for more scope on large, complex projects that are typically carried out using performance-based engineering approaches and involve a peer review. I've performed the capacity calculations used as inputs in nonlinear models, selected the component backbone parameters to be used in models and determined corresponding analytical input such as damping or modeling strategy. I've created peer review calculation exhibits and developed responses to peer review questions using engineering judgement (as coordinated with SEORs). In addition to working on complex projects, I've participated in research projects and symposiums for developing strategies for modeling and assessing innovative systems (such as point supported CLT).



### REPRESENTATIVE PROJECTS

Classroom Building & CTE Building, Woodburn OR (2019-2020) – I designed two steel buildings on a project in a region of moderate seismicity. The gravity system consisted of a composite floor system for the 2-story building and bare metal deck over steel beams for the one-story structure supported by HSS columns. The lateral system for both buildings consisted of buckling restrained braced frames (BRBFs). I carried out the gravity and lateral analysis.

NIR Center, Portland OR (2019-2020) – I designed a mass timber floor system for a 10-story building using mass plywood panels supported by delta beams and mass timber columns. I performed a vibration analysis to confirm the anticipated accelerations and velocities were acceptable for a biotech lab occupancy with sensitive equipment. I also designed the SLRS which were BRBFs using the MRSA procedure. I performed a simplified nonlinear response history analysis on this building to assess diaphragm forces impacted by irregularities.

Airport Park, Honolulu HI (2020-2021) – I designed a new composite steel mezzanine in an industrial building to be used as parking. I designed a foundation strengthening system to include a proposed multistory addition in the future. I carried out the construction administration for this project, reviewing the submittals, responding to RFIs and helping the contractor as required.

Ojai House, Ojai CA (2020-2022)– I designed a cantilevered high-end single family residential building in a region of high seismicity. It consisted of a steel frame with light frame wood shear walls for the upper level and concrete shear walls below. I designed a pile wall for permanent shoring purposes because the structure was embedded in a hillside.

East Whisman Block R2, Mountain View CA (2021-2022)– I performed lateral analysis for a 8-story mass timber building where an innovative mass timber caseate floor system was being proposed. I worked with the client and architect to create solutions that allowed the lateral system to be erected in a modular fashion to meet the schedule goals of the project.

911 Federal, Portland OR (2021-2023) – I performed the nonlinear performance-based design of a complicated existing 13-story steel framed building with nonductile concrete shear walls. I built a nonlinear response history analysis model that explicitly modeled all deformation-controlled elements including the retrofit solution. I used this model to determine the performance of all new and existing elements. I prepared peer-review packages including justification for all nonlinear parameters and modeling methodologies.

Alhambra Data Center, Alhambra, CA (2022-2023)– I performed a tier III seismic assessment of an existing 2-story data center of a higher importance category given the critical nature of its infrastructure. This included developing a nonlinear model, directing other staff through design tasks, and developing a report on the evaluation.

Hearst Hotel San Francisco, CA (2022–2024) – I developed a nonlinear analysis model for an existing 13-story steel framed building with a nonductile concrete façade that was not seismically separate from an adjacent shorter URM building. I developed various reports including the basis of design, inputs, and outputs report to be peer-reviewed. I developed peer-review exhibits that included calculations justifying the retrofit schematic which included shear walls, foundation strengthening, diaphragm strengthening, and strengthening of the connection between this building and the adjacent URM building.

100 McAllister Building, San Francisco CA (2023-2025) – I performed the nonlinear analysis for a very complicated existing 28-story steel framed building with a historic URM façade. I calculated the component strengths for existing building elements and selected the appropriate force-deformation relationships. This project included iterating various strengthening schematics, testing retrofit strategies, and working on innovative modeling methodologies. The retrofit consisted of the installation of a new concrete core braced by BRBFs, overlay walls on existing walls, addition of walls below discontinuous façades, and strengthening of existing transfer beams. I worked with the SEOR to provide documentation to satisfy peer-review team queries by creating peer-review Exhibits, performing additional calculations.


Stack Plaza, San Francisco CA (2025-2025)– I created an analysis model for an existing 300ft tall chimneystack for a seismic retrofit for a historic structure being repurposed as an art installation. I developed multiple strengthening schemes for the client and contractor to determine the most economical solution given the poor existing soils, down-drag on piles, and high seismicity.

# SARTHI PATEL (21-518-11)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/03/2025**

*Citizenship*  
**United States**

## SUMMARY







*Engineering Experience after EAC degree*  
**4 years, 3 months**

*Total Engineering Experience*  
**4 years, 3 months**

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

*Disciplinary Action*  
**None reported**




## EDUCATION



*Bachelors in Mechanical Engineering (EAC)*  
**University of Nevada, Las Vegas**  
**August 2017–December 2020**

## EXAMS



*Fundamentals of Engineering (FE)*  
**Nevada**  
**May 2025**

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



## LICENSES



*Additional Licenses*  
**None**

## WORK EXPERIENCE

Taney Engineering  
Nevada (United States)  
Designer II  
June 2021 — September 2025

Verified by  
**Brian Eugene Myers**  
BrianM@taneycorp.com

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



### TASKS

My level of responsibility is surrounded around project design. In which the essence is land development. My engagements strictly revolves around grading and balancing of a parcel, to ensure minimal cut/fill is acquired, once that is designed I then design utilities to the site. To wrap up the design portion, I put together traffic plans. All of which would be the encompassment of construction plans to then get permitted.

This also includes attending meeting where we have clients and/or public works engineers.

100% of my work revolves around engineering.



### REPRESENTATIVE PROJECTS

A project called Serenade located on Grand Cadence & Cadence Crest is a 133 lot residential subdivision. Located in a master plan neighborhood ensures that extensive measures need to be taken when designing. In which I had to ensure our plans match the development standards for this master plan. Serenade being one of my earlier projects was a tough project to begin with. My duties on this project was to design the utilities and traffic for our construction plans. I designed the water and sewer within the public right of way. I also designed the traffic plans which include streetlight locations, stop sign locations, and ensure hydrant/curb painting is done correctly. The starting date for this project was around sometime in 2022 and has now been fully constructed in 2025.

Another project called Simmons Airpark located on Simmons & Evans is a 100,000+ SF industrial building. With industrial buildings come with a lot of issues due to the large flat slabs. Nonetheless my duties on this project was to tag the grading and ensure positive grading is obtained, grade minimal ADA ramps and accesses. I also designed the sewer and water onsite to ensure the building has utilities. I also designed the traffic plans, which only consisted of minimal hydrant curb painting and signage. The project start date was sometime in 2023 and has now been fully constructed in 2025.

Lastly one of my best projects was a elementary school. Bracken elementary school was the first project that I was able to design from start to finish. Located on Searles Ave & 27th Street, Bracken Elementary school is an elementary school that was demolished and then redesigned with a brand new building. My duties on this projects was to grade and balance the site, design the onsite and offsite utility extensions, and design the extensive traffic improvements offsite as well. This project was started in 2024 and is fully built in August of 2025.

From the start of Bracken Elementary school to the current date, I have now done multiple projects from start to finish that include solar sites, industrial projects, and residential projects.

# HEIDY SANCHEZ LIZARRAGA (20-217-21)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL




Applying To  
**Nevada**

Application Type  
**Initial - PE**

Application Date  
**10/27/2025**

Citizenship  
**Mexico**

## SUMMARY





Engineering Experience  
after EAC degree

Total Engineering  
Experience  
**15 years, 7 months**

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

Other Experience

Disciplinary Action  
**None reported**




## EDUCATION



Bachelors in Civil Engineering  
**Autonomous University of Baja California - UABC**  
**August 1997–August 2002**


Masters in Earthquake Engineering and Engineering  
Seismology  
**IUSS - Scuola Superiore - Istituto Universitario di Studi  
Superiori**  
**September 2006–December 2008**

Doctorate in Earthquake Engineering and Engineering  
Seismology  
**IUSS - Scuola Superiore - Istituto Universitario di Studi  
Superiori**  
**September 2007–December 2010**



**WAIVER REQUEST:** NRS 625.193(1)(A) WAIVER OF FE WITH  
10 OR MORE YEARS OF EXPERIENCE.

## EXAMS



Waived Fundamentals of Engineering (FE)  
**Nevada**  
**July 2025**

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

## LICENSES



Additional Licenses  
**None**

HEIDY SANCHEZ LIZARRAGA (20-217-21)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Autonomous University Of Baja  
California  
Baja California (Mexico)  
Lecturer at the Engineering Faculty  
August 2002—July 2007

Verified by

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



DESCRIPTION

# HEIDY SANCHEZ LIZARRAGA (20-217-21)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

**EUCENTRE**  
Lombardy (Italy)  
Researcher  
December 2009—December 2010

Verified by  
**Carlo Giovanni Lai**  
carlo.giovanni.lai@unipv.it

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

### TASKS

EUCENTRE, European Center for Training and research in Earthquake Engineering, is a nonprofit institution based in Pavia, Northern Italy born from a public/private partnership between the University of Pavia and the Italian Department for Civil Protection.

During my time at EUCENTRE I worked on advanced earthquake geotechnical engineering projects, performing nonlinear dynamic analyses of geotechnical systems and soil structure interactions. There, I gained outstanding world-class experience on earthquake safety assessment, liquefaction, seismic hazard analyses and local site response.

My responsibilities were:

- Perform probabilistic and deterministic (PSHA and DSHA) seismic hazard studies
- Perform liquefaction studies: assessment of liquefaction susceptibility, triggering process and assessment of post-liquefaction conditions
- Seismic risk assessment of earth dams: I performed the complete PEER-PBEE assessment evaluation of an existing earth dam in central Italy
- Site response analyses: Nonlinear 1D and 2D, deterministic and stochastic
- Production of research reports, journal articles, scientific material for specialist conferences
- Programming of advanced MATLAB code for: Monte Carlo simulations, fragility curves generation, random-fields, pre and post processing interfaces for external software (e.g. FLAC).

### REPRESENTATIVE PROJECTS

**GEOTECHNICAL DESIGN - Earth Dams:**  
12/2009 to 12/2010

Amongst the research projects funded by the Italian Civil Protection Department, one project focused on the seismic risk assessment of an existing earth dam located along the Apennines. I worked on this project as geotechnical engineer performing a seismic assessment of the dam. The dam I studied is in Southern-Central Italy, the Castel San Vincenzo Dam.

The seismic risk assessment was carried out following the PEER-PBEE framework following the four steps: 1) Data collection, 2) Hazard analysis, 3) Structural analysis, 4) Damage analysis, and 4) Loss analysis

For step 1), I reviewed the existing documentation, original design documents, geotechnical profiles and journal papers of the time when the dam was built. I then built a geotechnical model using the gathered data to generate representative cross sections of the dam.

For step 2), the seismic hazard at the site of the dam was defined with reference to the hazard maps provided by the Italian Institute of Geophysics and Volcanology (INGV). The output was a uniform hazard spectrum for stiff ground for six return periods from 100 to 2450 years. I used the results to select sets of 7 spectrum-compatible natural ground motions.

For step 3), a two dimensional fully nonlinear numerical model of the dam was developed using the finite difference software FLAC2D. An assessment of the computational model was performed at an initial stage of the work by comparing the results against predictions obtained with the simplified dynamic methods proposed by Newmark, Makdisi and Seed, Yegian and Jibson. An acceptable agreement was observed when compared with the displacement computed with simplified methods along the critical zone.

For step 4 and 5, I used the results of 300 nonlinear time history analyses to generate a seismic demand hazard curve for maximum vertical residual displacement. I prepared the final technical report that was later published as a research report by Eucentre and published as a PEER reviewed paper on Soil Dynamics and Earthquake Engineering



#### SEISMIC HAZARD:

Seismic input for the structural analysis of the Regina Montis Regalis, Sanctuary of Vicoforte, (Cuneo, Italy)

01/2010 to 12/2010

The main objective of this project was the definition of seismic input for the structural analysis of a Basilica in Northern Italy.

I first characterized the soil deposits by integrating results of different investigation campaigns carried out throughout the years. I generated a 3D geotechnical model to study the depth of the underlying marlstone and the characteristics of the overlying clayey-silt formation. I then interpolated results obtained from boreholes tests. A total of 18 boreholes were drilled at the site during campaigns performed in 1974 and 2004. All bore-logs were used in the 3D software GSI 3D. To corroborate my 3D model, I also used available data obtained using MASW 2D arrays and a cross-hole test. Given the complexity of the site, it was not possible to use only one-dimensional models to perform site response analysis because this would not have captured the influence of lateral variability. For this reason, I performed two types of analysis, 1D and 2D, using 4 representative cross-sections (S-1, S-2, S3 and S-4).

The reference seismic hazard at the site was obtained with a Probabilistic Seismic Hazard Analysis (PHSA), where the output consists of horizontal and vertical probabilistic uniform hazard acceleration spectra at the site for different return periods (e.g. 72, 475, 975 and 2475 years) on stiff soil and at flat surface.

Once the hazard was defined, I used a procedure implemented in SHAKE91 to perform 1D site response analyses. Section S-1 was studied using the 1D approach, given that the subsoil conditions in that direction, to a first approximation, was assimilated to a 1D model.

Sections S-2, S-3 and S-4 were analyzed using FLAC2D, a fully nonlinear, explicit finite difference program. I used the design spectra to select a set of 7 real spectrum-compatible accelerograms (one set for each return period) to perform 2D ground response analysis.

Results showed a site amplification of about 2 with respect to the Peak Ground Acceleration (PGA) at the outcropping bedrock. Finally, I prepared the final technical report that was later published as a research report by Eucentre.

# HEIDY SANCHEZ LIZARRAGA (20-217-21)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Impresa Edile LC  
Campania (Italy)  
Geotechnical Engineer  
January 2011—January 2012

Verified by  
**Rosa Barletta**  
rosa.barletta1@gmail.com

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



### TASKS

As a full time geotechnical and civil engineer at Impresa Edile LC, my main responsibilities were:

- The design of retaining structures and geotechnical systems. Impresa Edile is in the South of Italy, a zone of high seismicity, so structural verifications were done following EUROCODE 8, the European code regarding seismic actions and design against earthquake forces
- Design and monitor of the excavations
- Preparing technical reports and drafting of civil plans using AUTOCAD, as well as preparing documents for tender offers
- Office management and administration, that included putting together construction schedules, labor plans, bill of materials and procurement activities



### REPRESENTATIVE PROJECTS

#### GEOTECHNICAL DESIGN:

Rehabilitation of slopes along the SS517 Bussentina road

02/2021- 12/2021

The SS517 road (State Road) had sections affected by slope instability problems. My main responsibility was to design the retaining structures that were needed to rehabilitate the road. I designed different type of support: Concrete gravity walls, reinforced concrete walls, gabion walls and geosynthetic-reinforced slopes. The design work included preparation of calculation reports, drawings and documentation needed for permitting. The structural design and verification were done according to EUROCODE 8 as the project is an area of active seismicity. The geotechnical analyses were done following EUROCODE 7, the European code for geotechnical systems. The project is also inside a National Park. For this reason, had to be done following environmental requirements, minimizing the disturbance to the landscape.

#### STRUCTURAL DESIGN:

Impresa Edile LC won a bid to retrofit an old concrete reinforced frame structure that was previously designed without consideration of earthquake forces. I performed the seismic assessment of the building and then studied a suitable strengthening solution by increasing the structural dimensions of the frame elements. Also in this case I used EUROCODE 8, for seismic actions, while I used EUROCODE 2 for concrete design and detailing.

#### FOUNDATION DESIGN:

I worked on the foundation design for a steel staircase that was added to an existing shopping mall building. I took the actions from the steel staircase structure and used those to analyze the foundation (slab on grade)

# HEIDY SANCHEZ LIZARRAGA (20-217-21)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Geodata Engineering  
Piedmont (Italy)  
Senior Tunnel and Geotechnical  
Engineer  
January 2012—May 2019

Verified by  
**Stefania Stefanizzi**  
stefania.stefanizzi@arx.ing

Experience Summary  
**Full-Time**  
**Engineering: 7 years, 4 months**  
**Experience under licensed engineer:**  
**None**

### TASKS

As a Senior Tunnel and Geotechnical engineer at GEODATA, I was responsible for designing tunnels, shafts, underground structures, dams, retaining structures, complex geotechnical systems (e.g. slope stability mitigation measures, soil improvement, liquefaction remediation, etc.). Tunnel design included the design of primary and final support for tunnels built with different construction techniques, as well settlement analysis and structural modelling.

During my more than 7 years employment at this company, I was assigned to many different projects for transportation (metros, highways, railways), resources (hydro, sewer) and energy (hydroelectric dams) industries.

My main tasks were:

- Developing 2D and 3D soil-structure interaction models using specialized software such as FLAC2D, Plaxis2D and FLAC3D
- Performing 2D and 3D Finite Element Structural Analysis using software such as SAP2000 or Strauss
- Perform settlement analysis, building and utilities pre-condition assessment, risk assessment of structures and implementation of mitigation measures
- Define the seismic hazard and seismic input for projects in high seismicity zones
- Perform the seismic design and analysis of underground structures and dams (earth and concrete)
- Design reinforced concrete and fiber reinforce concrete structures
- Design of tunnel structures and technology for tunnels build with Tunnel Boring Machine (TBM), New Austrian Tunneling Method (NATM), and cut and cover sequence
- Design of geotechnical works such as retaining walls, slopes and foundations

### REPRESENTATIVE PROJECTS

GEOTECHNICAL DESIGN – Underground:

Sao Paulo Metro Line 5

01/2012- 05/2016

When I joined Geodata, I was assigned full time to the Sao Paulo metro line 5 expansion project. The project consisted of 11 km of twin TBM tunnels, 13 new stations and 13 shafts. My main responsibilities were:

- Numerical modelling, 2D and 3D, using soil structure interaction software (e.g. Plaxis2D, FLAC 2D/3D) to simulate excavation phases for TBM and NATM tunnels, stations and shafts.
- Verification of excavation stability and assessment of surface settlements.
- Writing technical reports with calculations and specifications of soil treatment (e.g. forepoling, jet grouted columns) needed during excavation
- Specifications and verification of technical drawings
- Settlement analysis

The specific projects of which I was responsible included, but are not limited to: Rouxinoll shaft, Hospital Sao Paulo station, Jorge de Melo shaft, Roque Petrella NATM cavern, Conde de Itu NATM cavern, Chakara Klabin shaft, Magalhaes shaft, VSE Dumas NATM tunnel and Eucaliptos shaft.

GEOTECHNICAL DESIGN- Dams:

01/2012- 05/2019

I oversaw the stability analysis of dams located in seismic areas. I was responsible for the interpretation of geotechnical data (e.g. borings logs, results from MASW, cross-hole, and seismic refraction) and preparation of geotechnical models. The analyses were done using finite-element and finite differences soil structure interaction software (Plaxis and FLAC 2D and 3D). Modelling included the simulation of the construction phases, seepage and consolidation analysis and non-linear dynamic analysis. I prepared technical reports that included the expected maximum deformation for different earthquake intensity levels (MCE, ODE), the liquefaction risk assessment and retrofit proposal, if needed.

STRUCTURAL DESIGN:

#### Sao Paolo Metro Line 5

01/2012- 05/2016

While working on the Sao Paolo metro line expansion, I was responsible for structural design of different underground structures. I did numerical modelling using finite element software such as SAP2000 and Straus to obtain loads acting on ground support for cut and cover tunnels, NATM tunnels, stations and shafts. The structural verification was done using the NBR Brazilian standards, it was my responsibility to prepare technical reports with calculations and specifications for thickness, and type of reinforcement. I also reviewed technical drawings that included the definition of support geometry, the quantity and type of reinforcement and specifications regarding waterproofing.

#### SEISMIC DESIGN:

01/2012 to 05/2019

During my employment at Geodata, I was the subject matter expert responsible for the seismic design of geotechnical works in high seismicity zones. This included the definition of seismic hazard, site response analysis, liquefaction assessment, definition of spectrum-compatible earthquake records, running nonlinear time history analyses and doing the structural verification and design of tunnels, shafts, retaining walls and dams. I did all the calculations and preparation of technical reports.

The projects of which I was responsible included, but were not limited to:

- Seismic design of cut and cover tunnels needed for the Santiago-Batuco railway line (Chile)
- Stability analysis and retrofit of slopes around a petroleum storage area (Veracruz, Mexico)
- Seismic hazard and seismic risk of a transandine tunnel (Peru)
- Liquefaction assessment and stability verification of the main dam for a hydroelectric plant in Rufiji, Tanzania
- Seismic design of the support of tunnels built during the construction of an hydroelectric plant in Ivirizu, Bolivia
- Seismic stability analysis and liquefaction assessment by means on nonlinear dynamic of Olmedo dam in Ecuador
- Seismic stability analysis and liquefaction assessment by means on nonlinear dynamic of Pomacocha dam in Peru
- Seismic analysis and liquefaction assessment by means on nonlinear dynamic analysis of the Kramis Dam in Algeria
- Seismic analysis and feasibility study of large diameter transportation tunnels in Istanbul, Turkey

All structural verifications were done following the local seismic design codes.

#### DESIGN MANAGEMENT:

04/2018 to 05/2019

During my last year of employment at Geodata I was the tunnel lead and design manager for the following projects:

- bored tunnel segmental lining design and cross passages of the Cross-River Rail project in Brisbane, Australia
- new sewage tunnel of Auckland, New Zealand
- new sewage tunnel of Turin, Italy
- deep pluvial drainage tunnel and shafts of the Mexico City New international Airport project

It was my responsibility to review calculations, technical reports and drawings, and mentor and supervise staff engineers and drafters

# HEIDY SANCHEZ LIZARRAGA (20-217-21)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

The Boring Company  
Nevada (United States)  
Lead Tunnel Engineer & Engineering  
Manager  
July 2019—October 2025

Verified by  
Siu Fung Yiu  
charles@boringcompany.com

Experience Summary  
**Full-Time**  
**Engineering: 6 years, 3 months**  
**Experience under licensed engineer:**  
**6 years, 3 months**



### TASKS

As the Lead tunnel engineer at The Boring Company, my responsibilities are:

- Structural design of the lining for all TBM (Tunnel Boring Machine) and SEM (Sequential Excavation Method) tunnels and cross passages. Design is done following ACI-318 and ACI-544. I do all calculations, prepare technical reports and drawings
- Inspections and quality control of pre-cast fiber reinforced segments during production, transportation and installation. Create procedures for retrofit and repair of damaged segments and/or rings. Set up testing procedures for new concrete mix designs and steel fibers used on tunnel segments
- Perform settlement analyses along the tunnel alignment and design of instrumentation monitoring system. This includes settlement expected at surface and the effect on near foundations/structures and at depth (e.g. if utilities are inside area of influence). Analyses are done using closed form solutions and advanced soil structure interaction numerical models (e.g. using PLAXIS, FLAC)
- Preparation of building pre-condition assessment and building risk assessment. Design of ground improvement (e.g. chemical injections, jet grouting, soil mixing) and implementation of risk mitigation procedures
- Perform stability analyses of slopes around the excavation area for underground stations and shafts. Verification of bearing capacity of soil for temporary foundations needed to support tunnelling equipment
- Compute mining parameters for the TBM (Tunnel Boring Machine). Maximum thrust to use while mining, EPB pressure to apply in front of the excavation face and pressure to use while grouting the rings
- During construction of some underground stations and shafts, I also work as construction/project manager, where I am responsible for project schedule, labor plan and budget. I act as the liaison between the construction and the design team making sure everything is done as per plan, presenting project updates to clients and stakeholders



### REPRESENTATIVE PROJECTS

#### STRUCTURAL DESIGN:

Vegas LOOP TBM tunnels - 13.5 feet outside diameter. Around 10 miles of tunnels built in Las Vegas, NV  
07/2019 to 10/2025

I am responsible for the structural design for the segmental tunnel liner, which is built using six fiber reinforced precast segments of different shape. I generate a calculation report that demonstrates the adequacy of the segmental lining to resist the loads due to fabrication, handling, storing, dynamic actions, erection, assembly, excavation, thrust loading, grouting loads and permanent (soil, water, surcharge) loads. The report includes the calculation of load demand on the ring's circumferential and radial connector system and verification of the capacity. The structural verification of the fiber reinforced concrete is done following ACI-318 and ACI 544. FHWA and AASHTO are also used as guidelines on tunnel design, application of loads cases and loading combinations. I do the structural verification for extreme loadings scenarios e.g. seismic and fire. For seismic I compute the ground deformations due to the design earthquakes and compare loads due to seismic deformation against the segment capacity. For fire, I perform a thermal analysis using structural finite element software, that simulates a temperature-time curve defined by NFPA 520. The result of the simulation is the amount of section lost due to fire effects. The check on capacity of the reduced section is done to demonstrate that the precast segment can undergo a fire scenario with loss of section without collapse.

RW LOOP cross passage - 12 feet long cross passage between RW tunnel and egress shaft built in Las Vegas, NV  
08/2021 to 03/2022

I did the structural verification of the primary and final support for a 12 feet long cross passage excavated between the RW tunnel and an egress shaft. Excavation of the cross passage was done using the SEM (Sequence Excavation Method) method, the primary support consisted of lattice girders and shotcrete, while the final support was a cast in place concrete liner. Structural checks were done for permanent and extreme loads using ACI-318

#### GEOTECHNICAL DESIGN:

Vegas LOOP TBM tunnels - 13.5 feet outside diameter. Around 10 miles of tunnels built in Las Vegas, NV  
08/2019 to 10/2025

I am responsible for defining the scope for the geotechnical drilling and testing campaigns for all Vegas and TX projects. I interpretate the geotechnical and stratigraphy data to generate a geotechnical profile along the tunnel alignment. The profile is used to determine the most appropriate soil conditioning agents to be used during excavation, the Earth Pressure Balance (EPB) pressure plan and to identify zones of mixed face conditions.

EPB pressure plan or Plan for Advance of Tunnel (PAT): An EPB TBM provides continuous support of the tunnel face through regulation of the excavation advance rate. My main responsibility as the lead tunnel engineer is to prepare a pressure plan that the TBM operator will follow along the tunnel alignment. I compute the amount of pressure to be applied based on the tunnel vertical profile, the soil type, water pressure and earth pressure for each ring in the tunnel. Together with the PAT, I estimate the grout pressure plan, which is the minimum and maximum pressure to be used, on each ring, while grouting.

I do settlement analyses along the tunnel alignment to define the effects of such deformations on buildings, structures and utilities.

I estimate short-term deformations caused by settlements induced by tunnel excavation and deformations of tunnel lining, and long-term settlements due to primary and secondary consolidation. Calculations are done using closed form solutions and soil-structure models using advance numerical models.

I am responsible for the definition and implementation of the instrumentation and monitoring system that is installed along the tunnel alignment. Data from the monitoring system is used to verify the estimated settlements and calibrate mining parameters. During excavation of underground station and shafts along the alignment, I do the stability analysis of the slopes around the excavation area. I also do the design of any slope reinforcement needed to accommodate crane/equipment loads and the verification of soil bearing capacity for temporary foundation needed during construction.

I am also responsible for preparing risk mitigation plans, that include soil improvement solutions (chemical injections, jet grouting, soil mixing) together with structural retrofit.



### DEGREES EVALUATED

Institution/Degree	Country	Language	Courses
Autonomous University of Baja California - UABC / Bachelors in Civil Engineering 08/01/1997 — 08/01/2002	Mexico	Spanish	50
IUSS - Scuola Superiore - Istituto Universitario di Studi Superiori / Masters in Earthquake Engineering and Engineering Seismology 09/01/2006 — 12/01/2008	Italy	English	1
IUSS - Scuola Superiore - Istituto Universitario di Studi Superiori / Doctorate in Earthquake Engineering and Engineering Seismology 09/01/2007 — 12/01/2010	Italy	English	None

### COMPARABILITY SUMMARY

#### Outcome: Not Equivalent

Area	Hours	Deficiency
Math/Science	34 / 32	Missing 2 of 3 ( Biology, Chemistry, Physics )
Engineering	86 / 48	None
General Education	0 / N/A	None
Elective/Other	43 / N/A	None

### SPECIAL NOTE

The NCEES Engineering Education Standard requires at least two courses 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.

## Specified Criteria Hours: 32

Course	Institution/Degree	U.S. Credits
Algebra & Analytical Geometry	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.2
Calculus I	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Calculus II	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Geology	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Linear Algebra	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Numerical Methods	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Probability & Statistics	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Seismology	IUSS - Scuola Superiore - Istituto Universitario di Studi Superiori / Masters in Earthquake Engineering and Engineering Seismology	3
Statics	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.9
Strength of Materials I	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Total semester credit hours earned:		34.00



## Specified Criteria Hours: 48

Course	Institution/Degree	U.S. Credits
Architectural Design	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.2
Concrete Design	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	4.4
Concrete Structures	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Foundation Design	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Hydraulic Works	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Hydraulics I	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Hydraulics II	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.9
Hydrology	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.9
Isostatic Structures	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.9
Open Channel Hydraulics	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	4.4
Pavement Design	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Roads	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.9
Seismic Engineering	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Sewage Systems	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.2
Soil Behavior	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Soil Mechanics	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Steel Structures	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Strength of Materials II	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	4.4
Structural Analysis I	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Structural Analysis II	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Structural Design	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Systems Engineering	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.2
Traffic Engineering	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.2
Transportation Systems	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Water Supply	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.2
Water Treatment	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.2

Total semester credit hours earned: 86.10

GENERAL EDUCATION

Specified Criteria Hours: N/A

Course	Institution/Degree	U.S. Credits
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None		
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Total semester credit hours earned: 0.00

Specified Criteria Hours: N/A

Course	Institution/Degree	U.S. Credits
Building Execution	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.2
Building Installations	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.2
CAD	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.6
Computer Programming	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	4.4
Computing	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.6
Construction Machinery	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.2
Construction Procedures	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	3.7
Introduction to Engineering	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.2
Materials & Labor	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.9
Project	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.9
Project Evaluation	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.2
Technical Drawing	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.2
Topography I	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	4.4
Topography II	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	4.4
Urban Planning	Autonomous University of Baja California - UABC / Bachelors in Civil Engineering	2.2

**Total semester credit hours earned: 43.30****Total Semester Credit Hours Earned: 163**

## PROCESS DESCRIPTION

All education is compared to the NCEES Engineering Education Standard

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

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

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

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


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

# SCOTT SCHOFIELD (20-433-60)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/07/2025**

*Citizenship*  
**United States**

## SUMMARY







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

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

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

*Disciplinary Action*  
**None reported**



## EDUCATION



*Bachelors in Civil Engineering (EAC)*  
**University of Nevada, Las Vegas**  
**August 2015–December 2019**

## REFERENCES



## EXAMS



*Fundamentals of Engineering (FE)*  
**Nevada**  
**September 2019**

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

## LICENSES



*Additional Licenses*  
**None**

## WORK EXPERIENCE

Kimley-Horn  
Nevada (United States)  
Civil Analyst  
January 2020—June 2025

Verified by  
**Scott Martin**  
Scott.Martin@kimley-horn.com

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

### TASKS

Civil improvement plan production/annotation, Civil site design, and project management of land developed related projects.

Day to day engineering related tasks include:

- due diligence: record research, preliminary utility demand estimates, analysis of development potential and conflicts
- site planning: compliance with local codes, site circulation
- traffic design: signing and marking, site circulation, signal design
- site grading and drainage design: general grading based on hydraulic and hydrologic modeling results, ada & prowag compliance, basic hydrology and hydraulic sizing, compliance with local code requirements
- water design: demand estimates, water network analysis, capacity modeling, fire flow analysis and design, conveyance design, compliance with local code requirements
- sanitary sewer design: demand estimates, capacity modeling, master sanitary sewer studies, gravity conveyance design, preliminary lift station design, compliance with local code requirements
- coordination and review of project team design: traffic impact analysis, geotechnical reports, site survey, architect, MEP, structural (retaining wall) design
- coordination with various public agencies for compliance with jurisdiction requirements, plan review, and permit issuance
- construction phase services: construction observations, response to RFIs, review of shop drawings/project submittals
- quality control and quality assurance: review civil improvement plan annotation, review design for constructability, identify design conflicts/errors

### REPRESENTATIVE PROJECTS

Kimley-Horn provided site civil engineering services for the M Resort Hotel & Casino Expansion, a major development involving the construction of a new hotel tower and ballroom. I began work on this project in 2021 during the early design phase and was responsible for grading, utility design, and full civil plan production. I coordinated extensively with the client and subconsultants through meetings, emails, and calls to ensure design consistency across disciplines and ultimately secure civil permit approval from the City of Henderson. The project has since been approved and is currently under construction.

I am also serving as the active Project Manager on four Whataburger fast food restaurant developments located throughout Las Vegas. These projects began in 2024 and are currently in various phases of entitlements, design, and planning review, with design nearing completion. I authored the contracts for each project, establishing the scope of work and fee proposals. Under the guidance of senior project managers, I led the full civil engineering design for each site, including site planning, grading, utilities, and traffic improvements. I also oversaw junior staff, providing mentorship and quality control to deliver coordinated, client- and agency-approved plan sets.

As part of Kimley-Horn's ongoing work on the Hard Rock Hotel & Casino redevelopment, which began in 2022, I have played a supporting role assisting with plan design and construction administration. My responsibilities include coordinating with subconsultants and internal teams, responding to construction-related inquiries, and supporting day-to-day design and field coordination. This project is currently in active construction.

My experience also includes a range of smaller-scale projects. Since 2022, I have contributed to the civil design of several Raising Cane's restaurant locations across Southern Nevada, completing site planning, grading, and utility design. These projects have passed through agency reviews and are now nearing final completion.

In 2024, I began serving as the active Project Manager on several Bank of America ATM site projects, overseeing due diligence, design, and coordination for planning review submissions. I have managed contract writing, team coordination, and technical

delivery for each location.

Additionally, I have provided design support on various industrial site developments, assisting with plan production and contributing technical input throughout multiple phases of design.

All of this work has been executed primarily using technical skills developed in AutoCAD, including Civil 3D, to produce coordinated, detailed, and agency-compliant civil plansets.

# SCOTT SCHOFIELD (20-433-60)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION








### TIME GAPS

Start Date	End Date	Explanation
June 2014	July 2015	This period of time I was an unemployed student. Starting my degree at California Polytechnic State University, San Luis Obispo



GENERAL

SUMMARY

<div>  </div>	<div> <p>Applying To <b>Nevada</b></p> <p>Application Type <b>Initial - PE</b></p> <p>Application Date <b>10/10/2025</b></p> <p>Citizenship <b>United States</b></p> </div>	<div>  </div>	<div> <p>Engineering Experience after EAC degree <b>2 years, 4 months</b></p> <p>Total Engineering Experience <b>2 years, 4 months</b></p> <p>Experience under licensed engineer <b>2 years, 4 months</b></p> <p>Disciplinary Action <b>None reported</b></p> </div>	<div>    </div>
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EDUCATION

REFERENCES

<div>  </div>	<div> <p>Bachelors in Biosystems Engineering (EAC) <b>University of Arizona</b> <b>August 2019–May 2022</b></p> <p>Masters in Biosystems Engineering <b>University of Arizona</b> <b>June 2022–May 2023</b></p> </div>	<div>  </div>	
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EXAMS

LICENSES

<div>  </div>	<div> <p>Fundamentals of Engineering (FE) <b>Arizona</b> <b>April 2022</b></p> <p>Principles and Practice of Engineering (PE) <b>Civil</b> <b>Arizona</b> <b>March 2025</b></p> </div>	<div>  </div>	<div> <p>Additional Licenses <b>None</b></p> </div>
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## WORK EXPERIENCE

Kimley-Horn and Associates  
 Arizona (United States)  
 Civil Analyst  
 June 2023—October 2025

Verified by  
**Shane Robert Johannsen**  
 shane.johannsen@kimley-horn.com

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



### TASKS

I work as a civil analyst and project manager on land development for utility-scale energy projects. With a team of civil engineers, I use Civil3D and other programs to design utility-scale energy facilities, including civil design for photovoltaic (PV) generating plants, battery energy storage systems (BESS), and substations. I work with developers and contractors to create and design development plans, civil construction documents, and exhibits for entitlements and building permits.

I am responsible for plan set creation, review and incorporation of ALTA surveys, due diligence, and planning. I develop site layouts, where I identify constraints, such as high-slopes, inundation, easements, and floodzones, to delineate buildable areas. I use these constraints to layout sites, including security fences, access roads, PV arrays, building locations, and BESS/substation locations.

I incorporate stormwater management features by delineating drainage areas and calculating the necessary size of basins based on local requirements. I design conveyance of flow through berms or swales to appropriately sized basins, ensuring considerations for volumes, velocities, high-water-elevations, and freeboard. This includes design of best management practices for erosion control. I grade the site, including PV array grading based on maximum slope tolerances and deflection angles, grading of pads for electrical equipment above base flood elevations, grading of stormwater basins, channels, and berms, and grading of access roads.

I create a variety of exhibits to be used for planning, entitlements, and miscellaneous permits, including fencing plans and easement crossings.

Throughout my time as a civil analyst, I started with creating plans and exhibits based on designs from colleagues. I then worked on initial site layouts. Next, I focused on stormwater and grading design. Now, I've taken on a project manager role where, in addition to continuing all previous tasks, I review plans for quality, coordinate with clients, and direct staff on design decisions.



### REPRESENTATIVE PROJECTS

Harquahala Sun I 150 MW PV + BESS: Maricopa County, AZ  
 June 2023 - September 2025

The project scope included the civil design of a 150 MW photovoltaic generating plant and battery energy storage system to be used by the contractor for building permits and construction.

I designed all driveway locations to connect to Maricopa County Department of Transportation Right-of-Way and created the plan set for encroachment permit approval. This included design of dimensions, surface material, culverts, grades, and quantities/costs. I used percolation rates to calculate the number of drywells required for two retention basins that did not meet the drain time requirements. I located the drywell locations within the basins and created an exhibit for the contractor to use to construct the drywells.

Harquahala Flats 450 MW Battery Energy Storage System: Maricopa County, AZ  
 November 2023 - Present

The scope of this project included the creation of civil design and plan set for a 450 MW Battery Energy Storage Project to be used for zone change, entitlement, and Plan of Development approval by Maricopa County.

I delineated drainage areas and graded retention basins, ensuring stage storage and freeboard requirements were met. I designed a channel to route off-site flows around the site. Based on existing flow rates, I used FlowMaster to design the dimensions of the channel, and I graded the channel.

I designed the battery energy storage system layout, including battery and inverter locations, access roads, security fences, laydown yards, and all associated grading.

Vulcan Solar 800 MW PV + BESS: Maricopa County, AZ

December 2023 - Present

The scope of this project consisted of the civil design for the Bureau of Land Management POD and NEPA process, as well as exhibits for easement crossings, miscellaneous permitting, and contractor pricing for an 800 MW photovoltaic and battery energy storage project on federal land.

I used the rational method and modified rational method to calculate the necessary size of the retention basins and graded all basins, based on delineated drainage areas and floodzone locations.

I designed multiple grading scenarios to help the developer select the type of solar tracker and pile length to be used. I calculated the amount of cut/fill required versus the amount of steel for each scenario. I graded the site to comply with slope tolerances and deflection angles while also routing stormwater to retention basins.


I designed the overhead transmission line crossing and underground medium-voltage collection line crossing of the Union Pacific Railroad, including grading and shoring required for jack and bore pits, minimum cover and spacing required between casings, and the track and ground monitoring plan.

# TREVOR SMITH (21-832-81)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/28/2025**

*Citizenship*  
**United States**

## SUMMARY







*Engineering Experience after EAC degree*  
**4 years, 4 months**

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

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

*Disciplinary Action*  
**None reported**




## EDUCATION



*Bachelors in Civil Engineering (EAC)*  
**Colorado State University**  
**August 2016–May 2021**

## EXAMS



*Fundamentals of Engineering (FE)*  
**Colorado**  
**May 2021**

*Principles and Practice of Engineering (PE)*  
**Civil**  
**Nevada**  
**December 2022**



## LICENSES



*Additional Licenses*  
**None**

# TREVOR SMITH (21-832-81)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

GCW, Inc.  
Nevada (United States)  
Engineer In Training 2  
May 2021 – March 2023

Verified by  
**Johnnie Richard Pate**  
jpate@gcwengineering.com

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



### TASKS

Walked existing roadway and noted areas of pavement/concrete distress. Evaluated survey data and scope of work needed per signed contract scope from the clients. Designed new turn lanes, new signage and striping, new ADA ramp grading, new utility plans/profiles, new trail alignment/grading to minimize impact to existing earth, and new pedestrian push button locations. Analyzed Federal ADA guidance, jurisdictional criteria manuals and standard details, the Manual on Uniform Traffic Control Devices, traffic studies, pothole data, geotechnical reports, as-builts of the site, and the AASHTO Greenbook to create designs. Created demolition plans, site plans, utility plans, intelligent traffic signal plans, grading plans, and signage and striping plans to communicate effectively the project design intent. Created a new AutoCAD template to match the jurisdictional requirements using their layer names, plot styles, colors, and descriptions. Coordinated with project stakeholders to ensure the project met their needs and was cohesive for all parties involved. Taught newer staff how to use autocad, create plan sheets, and design based of applicable criteria to ensure project success. Helped with invoice drafts and billed clients. Created cost estimates.

I was responsible for design, plan sheets, and cost estimates with Project Manager support when stuck. Worked extra hours when needed to ensure project was accurate and successful.

I started in May 2021 as Engineer in Training 1. I was promoted to Engineer in Training 2 in December 2023.



### REPRESENTATIVE PROJECTS

My representative project is Rampart Boulevard Rehabilitation between West Charleston Boulevard and Vegas Drive in Las Vegas, Nevada. The scope included determining where removal and replacement of asphalt drive lanes were needed, analysis and design to update traffic signals to current equipment, retrofit design of ADA sidewalk ramp replacement, design of expanding roadway to include new right turn lanes, placement of new storm inlets/pipes where right turn lanes affected existing inlets, Intelligent Traffic Signal System 2D layout for install, utility relocation for areas affected by right turn lanes, and design of new trail sidewalk. I began this project in summer of 2021 and left with it approximately 80% complete in March of 2023. My role was to know the entire site and create a design that brought the grading, sidewalks, roadway, signage, and utilities up to current standards at that time while directing newer staff on what to do and coordinating with all project stakeholders to ensure project cohesiveness and success. I calculated quantities for cost estimates, I designed slopes of storm drain pipes, I analyzed pothole data for utility routing, I designed ADA compliant sidewalk ramp retrofits, and I designed all plan sheets to include pertinent data for successful construction.

# TREVOR SMITH (21-832-81)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

R&R Engineer-Surveyors, Inc.  
Colorado (United States)  
Project Manager  
April 2023—April 2025

Verified by  
**Clif Dayton**  
cdayton@lja.com

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



### TASKS

Tasks: Create drainage reports from scratch per jurisdictional criteria. Evaluate Hydraulic gradelines, size storm and sanitary pipes, evaluate water flows, calculate imperviousness, size swales, size detention basins, design outlet control structures in detention basins. Create construction documents and designs for demolition, site, utility, signage and striping, and grading plans while referencing applicable local and federal criteria such as the AASHTO Greenbook, the Manual on Uniform Traffic Control Devices, Federal ADA guidance, zoning codes, local engineering manuals (storm, sanitary, roadway design criteria), the Unified Facilities Criteria, and other applicable manuals. Oversee projects from start to finish, coordinate with contractors, owners, jurisdictions, utility companies, and other applicable stakeholders to ensure project cohesion and success. Teach and mentor team members in research and review of project requirements. I am personally responsible for submissions, change orders, and design with minimal input from other project managers/department manager after I was promoted to assistant project manager.

I began in April of 2023 as a Design Engineer 2, was promoted to Assistant Project Manager in August 2024, and was promoted to Project Manager in April 2025.



### REPRESENTATIVE PROJECTS

Project: West Centertech in Aurora Colorado (201 N Laredo Blvd). Create industrial site plan on vacant 2+ acre lot including roadway plans, fire access routing, easement vacation, easement dedication, underground detention placement/design, detention basin outlet structure design, final drainage report, utility routing design, and grading plan for entire site/offsite improvements. This project was initially started in 2022, I took over after the first site plan submittal and had to redesign the site so all items in the scope had correct design/calculations. I completed the construction document calculations, drainage reports, analysis of site conditions, coordination with stakeholders, change orders, and plan sheets with minimal help from the project manager at the time and directed staff on how to assist with the project.

Since becoming a project manager, I have become responsible for land development project success whether it is a retrofit or a new site.

# TREVOR SMITH (21-832-81)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

R&R Engineer-Surveyors, Inc.  
Colorado (United States)  
Project Manager  
April 2023—October 2025

Verified by  
**Clif Dayton**  
cdayton@lja.com

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



### TASKS

Tasks: Create drainage reports from scratch per jurisdictional criteria. Evaluate Hydraulic gradelines, size storm and sanitary pipes, evaluate water flows, calculate imperviousness, size swales, size detention basins, design outlet control structures in detention basins. Create construction documents and designs for demolition, site, utility, signage and striping, and grading plans while referencing applicable local and federal criteria such as the AASHTO Greenbook, the Manual on Uniform Traffic Control Devices, Federal ADA guidance, zoning codes, local engineering manuals (storm, sanitary, roadway design criteria), the Unified Facilities Criteria, and other applicable manuals. Oversee projects from start to finish, coordinate with contractors, owners, jurisdictions, utility companies, and other applicable stakeholders to ensure project cohesion and success. Teach and mentor team members in research and review of project requirements. I am personally responsible for submissions, contracts, change orders, design with minimal input from other project managers/department manager after I was promoted to assistant project manager.

I began in April of 2023 as a Design Engineer 2, was promoted to Assistant Project Manager in August 2024, and was promoted to Project Manager in April 2025.



### REPRESENTATIVE PROJECTS

Project: West Centertech in Aurora Colorado (201 N Laredo Blvd). Create industrial site plan on vacant 2+ acre lot including roadway plans, fire access routing, easement vacation, easement dedication, underground detention placement/design, detention basin outlet structure design, final drainage report, utility routing design, and grading plan for entire site/offsite improvements. This project was initially started in 2022, I took over after the first site plan submittal and had to redesign the site so all items in the scope had correct design/calculations. I completed the construction document calculations, drainage reports, analysis of site conditions, coordination with stakeholders, change orders, and plan sheets with minimal help from the project manager at the time and directed staff on how to assist with the project.

Since becoming a project manager, I have become responsible for land development project success whether it is a retrofit or a new site.

# TREVOR SMITH (21-832-81)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

R&R Engineer-Surveyors, Inc.  
Colorado (United States)  
Project Manager  
April 2025—October 2025

Verified by  
**William Todd Smith**  
todd.smith@rrengineers.com

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



### TASKS

Tasks: Create drainage reports from scratch per jurisdictional criteria. Evaluate Hydraulic gradelines, size storm and sanitary pipes, evaluate water flows, calculate imperviousness, size swales, size detention basins, design outlet control structures in detention basins. Create construction documents and designs for demolition, site, utility, signage and striping, and grading plans while referencing applicable local and federal criteria such as the AASHTO Greenbook, the Manual on Uniform Traffic Control Devices, Federal ADA guidance, zoning codes, local engineering manuals (storm, sanitary, roadway design criteria), the Unified Facilities Criteria, and other applicable manuals. Oversee projects from start to finish, coordinate with contractors, owners, jurisdictions, utility companies, and other applicable stakeholders to ensure project cohesion and success. Teach and mentor team members in research and review of project requirements. I am personally responsible for submissions, contracts, change orders, and design with minimal input from other project managers/departament manager.



### REPRESENTATIVE PROJECTS

Project: West Centertech in Aurora Colorado (201 N Laredo Blvd). Create industrial site plan on vacant 2+ acre lot including roadway plans, fire access routing, easement vacation, easement dedication, underground detention placement/design, detention basin outlet structure design, final drainage report, utility routing design, and grading plan for entire site/offsite improvements. This project was initially started in 2022, I took over after the first site plan submittal and had to redesign the site so all items in the scope had correct designs/calculations. I completed the construction document calculations, drainage reports, analysis of site conditions, coordination with stakeholders, change orders, and plan sheets with minimal help from the project manager at the time and directed staff on how to assist with the project.

Since becoming a project manager in April of 2025, I have become responsible for land development project success whether it is a retrofit or a new site. Clifton Dayton left R&R in April of 2025, which is why William Todd Smith must verify the gap from April until now.

# RAFAEL VAL SUAREZ (12-435-44)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/17/2025**

*Citizenship*  
**United States**

## SUMMARY






*Engineering Experience after EAC degree*  
**17 years, 4 months**


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

*Experience under licensed engineer*  
**12 years, 7 months**

*Disciplinary Action*  
**None reported**




## EDUCATION



*Bachelors in Civil Engineering (EAC)*  
**California State Polytechnic University, Pomona**  
**September 2002–June 2008**

**WAIVER REQUEST:** NRS 625.193(1)(A) WAIVER OF FE WITH 10 OR MORE YEARS OF EXPERIENCE.

## EXAMS



*Principles and Practice of Engineering (PE)*  
**Civil**  
**California**  
**September 2025**

*Waived Fundamentals of Engineering (FE)*  
**Nevada**  
**October 2025**



## LICENSES



*Additional Licenses*  
**None**



## WORK EXPERIENCE

LAN Engineering / AECOM  
California (United States)  
Associate Engineer  
June 2008—March 2011

Verified by  
**Julian Yap**  
jryap85@gmail.com

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



### TASKS

I worked as an Associate Engineer preparing roadway, utility, and drainage design plans for public works and Caltrans projects. I designed storm drain systems, roadway grading, and surface drainage facilities by performing hydrology and hydraulic calculations using both Rational and NRCS methods. I developed plan and profile sheets, cross sections, and construction details in AutoCAD Civil 3D and Microstation. I checked drainage capacities, pipe slopes, and inlet spacing and prepared drainage reports, cost estimates, and specifications for PS&E packages. I coordinated design work with roadway, structural, and traffic teams to ensure all drawings matched across disciplines and avoided utility conflicts. I also visited project sites to confirm existing conditions and verify constructability. All of my work was engineering and required applying civil design principles to hydrology, hydraulics, and grading tasks under the supervision of licensed Engineers.



### REPRESENTATIVE PROJECTS

SR-60 / I-215 East Junction Improvement Project – Caltrans District 8, Riverside County, CA (2008–2011)

I designed cross drains, storm drain networks, and reinforced concrete box culverts for a freeway interchange reconstruction project with a construction value of approximately \$12 million. I performed hydrology and hydraulic calculations using the Rational Method to size culverts and storm drain systems for 100-year design flows. I developed plan and profile sheets, calculated inlet spacing, and verified hydraulic grade lines to ensure system capacity. I coordinated my designs with roadway and bridge engineers to maintain clearances between structure foundations and underground utilities. I confirmed all drainage designs met Caltrans drainage requirements.

Highway 111 Bridge Widening – City of Indio, CA (2009–2010)

I designed drainage improvements for a \$5 million bridge widening project along Highway 111. I calculated design flows, pipe diameters, and velocities to meet Caltrans and City of Indio design standards. I prepared storm drain plan and profile sheets, inlet and outlet structure details, and cost estimates. I reviewed contractor submittals and shop drawings during construction and provided design clarifications to address field conditions. My design work included connecting new storm drain systems to existing facilities while maintaining the required hydraulic capacity and slope.

Ironwood Avenue Street Improvements – City of Moreno Valley, CA (2008–2009)

I prepared drainage and grading designs for a \$3 million roadway widening and reconstruction project. I calculated flow rates, pipe sizes, and slopes to maintain proper drainage and roadway drainage capacities. I designed new catch basins, manholes, and subsurface drainage connections and prepared detailed plan and profile drawings for PS&E submittal. I coordinated the drainage alignments with existing utilities and verified tie-ins to the City's storm drain master plan system. I also assisted in preparing the project's cost estimate and technical specifications.

Laguna Canyon Road Overcrossing at I-405 – City of Irvine, CA (2008–2010)

I designed drainage and storm drain crossings for a \$10 million interchange bridge widening project under Caltrans oversight. I performed hydraulic and hydrologic calculations to determine inlet spacing, pipe diameters, and pipe slopes. I prepared storm drain plan and profile sheets and construction details in AutoCAD Civil 3D. I coordinated my design with structural and roadway teams to maintain positive drainage while meeting geometric constraints from the new bridge. I reviewed design submittals with Caltrans and the City of Irvine to confirm compliance with agency standards.

## WORK EXPERIENCE

Willdan Engineering  
California (United States)  
Project Manager  
March 2011—July 2022

Verified by  
**Vanessa Munoz**  
vmunoz@willdan.com

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

## TASKS

I managed and designed public works projects for cities and public agencies throughout Southern California. My work focused on storm drain, sewer, grading, roadway, and utility improvements. I prepared and reviewed plans, specifications, and estimates and performed hydrology and hydraulic calculations using Rational and Manning methods. I reviewed grading and drainage plans to make sure they met city and county standards and could be built as designed.

I also provided plan check services for the County of Orange and several cities. I reviewed improvement plans, specifications, and cost estimates prepared by consultants to confirm compliance with County standards. I checked hydrology and hydraulic reports, verified storm drain and sewer system capacities, and confirmed that grading and utility plans met local design and NPDES criteria. I documented comments, coordinated with engineers to resolve issues, and verified that plans were ready for approval.

I worked with city engineers, contractors, and inspectors to solve design and construction issues. I reviewed submittals, responded to RFIs, and confirmed that construction matched the approved design. I also reviewed drawings and calculations prepared by junior engineers and CAD staff and provided technical guidance and oversight.

From 2013 to 2022, I was assigned full time to the Tutor Perini Zachry Parsons design build team for the California High Speed Rail project. While supporting that project, I continued to assist Willdan's design teams by reviewing drainage and utility plans, helping with quality control, and providing design coordination support when needed.

All of my work required engineering judgment, technical review, and coordination among multiple disciplines to deliver cost effective and buildable projects.

## REPRESENTATIVE PROJECTS

### California High-Speed Rail – Central Valley Section (2013 to 2022)

I supported Willdan's engineering team assigned to the Tutor Perini Zachry Parsons design build joint venture for the California High-Speed Rail project in Fresno, CA. I provided civil and utility design support including backfill strength requirements, conduit strength, utility cable bending limits. I designed storm drain and utility layouts and confirmed compliance with design standards and permit requirements. I coordinated with agency engineers and project staff to ensure quality control and consistency across design packages. The construction package CP-1 contract value was \$1.8 billion.

### City of Brea – Orange Avenue Widening Project (2016 to 2018)

I led the civil design for the Orange Avenue widening project that improved traffic flow and drainage capacity. I designed storm drain modifications, reviewed grading transitions, and coordinated with utility companies to minimize relocations. I prepared cost estimates and verified compliance with Greenbook and Caltrans standards. I reviewed construction drawings and assisted the City with bid and award documentation.

### Caltrans / City of Seal Beach – SR-22 and Studebaker Road Off-Ramp Improvements (2015 to 2017)

I designed off-ramp and intersection improvements for the SR-22 westbound off-ramp at Studebaker Road. The purpose of the project was to reduce traffic congestion and queuing onto the freeway during peak hours. I developed plans that added new right turn and left turn lanes, adjusted ramp geometry, and improved merging and signal timing efficiency. I calculated lane lengths, radii, and superelevations and coordinated with Caltrans for geometric approval. I reviewed traffic control details, confirmed ADA and sight distance compliance, and coordinated drainage modifications at the ramp tie-ins. The improvements eased traffic flow and improved safety for vehicles exiting the freeway.

### Metro Orange Line Extension – Los Angeles County Metropolitan Transportation Authority (2011 to 2013)

I served as a civil designer on the Metro Orange Line Extension, a design build project led by Willdan Engineering for Metro. The project extended the existing busway with new stations, raised landscaped medians, and improved ADA accessibility throughout the corridor. I designed roadway geometry, drainage improvements, and curb and gutter layouts. I reviewed utility and storm drain tie-ins, checked profiles, and confirmed that the design met Metro and Caltrans standards. I coordinated with structural, traffic, and landscape disciplines to ensure consistency across drawings and proper field constructability. The total project cost was about \$98 million.

**City of Covina – Sewer Infrastructure Pipe Bursting Project (2012 to 2013)**

I helped design and review the City of Covina's sewer rehabilitation project that replaced more than 28,000 feet of existing vitrified clay pipe with new HDPE pipe using pipe bursting methods. The project was later expanded to about 33,000 feet with a construction cost of about \$3.3 million. I reviewed flow calculations, confirmed hydraulic capacity, and verified pipe slopes and manhole connections. I checked submittals for HDPE fusion and alignment and worked with City engineers and Willdan's project manager Ray Wellington to resolve design and field issues so the system met City and County standards.

**City of South Gate – Firestone Boulevard and Atlantic Avenue Intersection Improvements (2011 to 2013)**

I managed civil design for an intersection widening project at Firestone Boulevard and Atlantic Avenue. I reviewed hydraulic calculations for storm drain extensions and inlet spacing and verified that the system tied into the existing network. I coordinated with Caltrans on right of way requirements and ADA compliance. I reviewed design plans for accuracy, confirmed quantities for bid items, and provided construction support during the field phase.

**County of Orange – Plan Check Services (2011 to 2022)**

I reviewed public works plans, specifications, and estimates prepared by consulting engineers for compliance with County standards and specifications. I checked hydrology and hydraulic reports, verified storm drain system capacities, and confirmed that grading and utility layouts met County and NPDES design criteria. I reviewed PS&E submittals for constructability, verified consistency across disciplines, and issued written comments summarizing corrections for consultants to address. I worked directly with County engineers to resolve technical issues and confirm projects were ready for approval.

WORK EXPERIENCE

City Of Huntington Beach  
California (United States)  
Capital Projects Administrator  
July 2022—July 2024

Verified by  
**David Edward Fait**  
David.fait@surfcity-hb.org

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



TASKS

managed capital improvement projects for the City's Utilities Division, working on parks, pump stations, community centers, and roadway improvements. My role involved developing project budgets and schedules, preparing and reviewing technical specifications, and coordinating consultants and contractors to keep work on schedule and within scope.

I reviewed submittals, RFIs, and change order requests and verified that they met City standards, contract documents, and MS4 permit requirements. I worked with design engineers, inspectors, and maintenance staff to resolve field issues and make sure design intent was met during construction.

I also supported contract administration by helping with bid evaluations, reviewing progress payments, and preparing reports for management and public meetings. I applied engineering judgment on construction details, utility conflicts, and materials to ensure compliance and public safety.

All of my work was engineering-related, involving design review, construction oversight, and coordination of capital projects.

Percentage of engineering related work: 100%



REPRESENTATIVE PROJECTS

At the City of Huntington Beach, I managed and supported a variety of public works projects focused on improving local infrastructure. My work covered the design, construction, and closeout of projects involving parks, utilities, and roadway systems.

Heil Pump Station Rehabilitation

I managed design coordination and construction support for this federally funded project to modernize one of the City's main pump stations. I coordinated with engineers, inspectors, and funding agencies to meet reporting and documentation requirements. I reviewed mechanical, electrical, and structural submittals and verified field work for compliance with project plans and specifications.

Huntington Central Park Improvements

I worked on improvements to playground and community facilities at Central Park, which included new ADA walkways, grading, and drainage improvements. I reviewed design drawings, coordinated construction staging to maintain public access, and oversaw contractor compliance with accessibility and stormwater standards.

Goldenwest Street and Warner Avenue Roadway Improvements

I reviewed design drawings and cost estimates for pavement rehabilitation, drainage improvements, and ADA curb ramp replacements. I worked with contractors and inspectors to keep construction within schedule and to resolve unforeseen field conditions.

I worked directly with the City's engineering and maintenance staff, as well as consultants and contractors, to monitor progress, resolve technical issues, and ensure quality control. I reviewed progress pay applications, tracked change orders, and maintained accurate records throughout the project.

This position gave me a new understanding of the agency side of project delivery. I learned how cities manage contracts, budgets, and compliance while balancing technical needs and community expectations. I applied my design and field experience to help the City deliver safe, efficient, and cost-effective public infrastructure.

WORK EXPERIENCE

Willdan Engineering  
California (United States)  
Project Manager  
July 2024—October 2025

Verified by  
Chris Owen Stone  
cstone@willdan.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

I returned to Willdan Engineering as a project manager with the goal of leading and mentoring a growing team of junior engineers while continuing to manage complex civil infrastructure projects. My work focuses on public works and stormwater projects involving grading, storm drain, utility, and site improvement design.

I manage project scopes, budgets, and schedules, review technical deliverables, and provide design oversight for hydrology, hydraulics, and drainage studies. I review design drawings and calculations for conformance with local standards, including the LA County Hydrology and Hydraulic Design Manuals, the Greenbook, and NPDES permit requirements. I lead coordination between engineering, landscape, and architectural teams to ensure project consistency and constructability.

I serve as the primary client contact for project coordination, agency meetings, and technical discussions. I review submittals, RFIs, and design clarifications and confirm field implementation matches design intent. I use engineering judgment daily to resolve drainage, grading, and utility issues and to develop efficient, buildable solutions.

I provide guidance to engineers and CAD staff, review their drawings and calculations, and teach design fundamentals and plan preparation practices. I oversee QA/QC reviews and coordinate interdisciplinary design efforts to maintain accuracy and quality.

My responsibilities are fully engineering related and involve design review, coordination, and management of drainage and site infrastructure projects. These efforts build on my prior experience with large scale utility and stormwater projects and focus on developing junior staff.

REPRESENTATIVE PROJECTS

City of Long Beach – Queensway Bay Amphitheater Improvements (2024 to 2025)  
I serve as the project manager overseeing civil design for the new outdoor amphitheater project at Queensway Bay. The project includes grading, storm drain, and utility improvements adjacent to the waterfront. I coordinate between the City of Long Beach, Port of Long Beach, and project architects to develop a fully coordinated design that meets ADA accessibility, drainage, and performance requirements.

I reviewed the design layout, verified drainage paths, and evaluated inlet spacing and storm drain capacity using the LA County Hydraulic Design Manual and FHWA HEC-22. I confirmed that stormwater runoff is directed to on-site capture systems without impacting adjacent public areas. I prepared drainage and utility review comments, reviewed redlines, and confirmed all drawings met City standards and the Port’s stormwater design manual.

I manage communication between design disciplines and lead coordination with the City’s project manager. I review construction documents, verify that design intent is maintained, and oversee Willdan’s QA/QC process. I also provide mentorship to staff engineers, review their redlines, and explain design principles related to grading, drainage, and constructability.

City of Norwalk – Hermosillo Park Stormwater Capture and Infiltration Project (2024 to 2025)  
I manage civil design for the Hermosillo Park Stormwater Capture and Infiltration Project, a large regional stormwater improvement that captures and treats runoff from a 2,580-acre tributary area. The project includes underground infiltration galleries, storm drain connections, and surface improvements at Hermosillo Park.

I oversee hydrology and hydraulic modeling, verify storm drain sizing and infiltration system design, and ensure compliance with LA County MS4 permit requirements. I coordinate with City and County staff, review plans and calculations prepared by the design team, and confirm conformance with the County’s Hydrology and Hydraulic Design Manuals.

I review modeling outputs, hydraulic grade lines, and flow paths to ensure the system achieves the target storage of about 11.8 acre-feet. I review QA/QC submittals, coordinate with the landscape and structural teams, and verify that park improvements integrate with the underground system. I also provide technical mentoring to junior engineers, explaining design logic and modeling approaches.

In both projects, I direct Willdan's design and technical staff, review engineering submittals, and provide technical guidance to ensure project compliance. I apply engineering judgment to solve design challenges, balance constructability and cost, and maintain communication with agency staff. My work focuses on managing the technical process while developing junior engineering staff.


# Electrical

# NARASIMHA SWARAJ PALADI (22-901-40)

All work experience reviewed by two licensed professionals

DISCIPLINE: ELECTRICAL

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/05/2025**

*Citizenship*  
**India**

## SUMMARY





*Engineering Experience after EAC degree*

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

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

*Disciplinary Action*  
**None reported**



## EDUCATION




*Bachelors in Electrical & Electronics Engineering*  
**Jawaharlal Nehru Technological University**  
**August 2015–April 2019**

*Masters in Electric Power System Engineering*  
**North Carolina State University**  
**August 2021–May 2023**

## REFERENCES



## EXAMS



*Fundamentals of Engineering (FE)*  
**North Carolina**  
**February 2023**

*Principles and Practice of Engineering (PE)*  
**Electrical & Computer**  
**North Carolina**  
**April 2023**

## LICENSES



*Additional Licenses*  
**None**



WORK EXPERIENCE

Quanta Technology LLC  
North Carolina (United States)  
Engineer III  
June 2023—August 2025

Verified by  
**Farbod JAHANBAKHS**  
Farbod@Quanta-Technology.com

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



TASKS

Engineer II –

- 1. I have reviewed the One-Line diagrams, equipment connections, Bill of material and ratings for solar and battery energy storage substations.
- 2. I have created power system models in ETAP, SKM, PSSE, PSLF and PSCAD.
- 3. I have performed various power system studies, such as load flow, short circuit, arc flash, harmonic analysis and projection coordination. I have recommended Cap bank size, Neutral Grounding Reactor, Arc Flash labels, tuning reactor and relay setting based on the results.
- 4. I have reviewed the existing substation breaker rating capability for supporting new generator interconnection by performing N-1, N-1-0, and N-1-1-0 contingency analysis.
- 5. I have reviewed the existing substation protection scheme to support Islanding scenario for a steam turbine generator project.

Engineer III-

- 1. I am managing the solar and battery projects from requesting data to the final submittal stage.
- 2. I am training Interns and new candidates in the team to perform the tasks listed as Engineer II.
- 3. I have reviewed the existing substation protection scheme to support Islanding scenario for various types of WTGs.
- 4. I am training in Transient Over Voltage analysis and Insulation Coordination studies.



REPRESENTATIVE PROJECTS

- 1. Wythe Solar (75MW Solar project located in Galena County, VA) (June 2023 to February 2025):
- 2. Peregrine Solar (300 MW Solar project located in Goliad County, TX) (June 2023 to April 2024):
- 3. Potentia Viridi (400 MW BESS project located in Alameda, CA) (December 2023 to October 2024):
- 4. Boot Hill Solar (150 MW Solar project located in Dodge City, KS) (February 2024 to August 2025):
- 5. Redfield Solar (100 MW Solar project located in Pine Bluff, AR) (August 2024 to July 2025):
- 6. Faraday Solar (525 MW Solar project located in Fairfield, UT) (October 2024 to March 2025):
- 7. Charger Solar (394.4 MW Solar project located in Tivoli, TX) (January 2025 to August 2025):

Following is the summary of my role for above projects.

- I. I have created ETAP, PSLF, PSSE and PSCAD power system models by reviewing customer data.
- II. I have recommended Cap Bank size, Neutral Grounding Reactor, tuning reactor size and relay setting by performing interconnection studies.
- III. I have provided Arc Flash warning and danger labels for various locations in a substation.
- IV. I have performed dynamic studies in the PSSE and PSCAD to review the inverter ride through setting compliance.

- 8. Air Liquide Islanding Study (89.2 MVA Steam Generator at Geismar, LA) (June 2023 to December 2023):
- 9. Convent SMR Dynamic Simulation and Analysis (13.6 MVA Steam turbine located in Convent, LS) (March 2024 to February 2025)

Following is the summary of my role for above projects.

- I. I have reviewed SKM models and created equivalent models in PSCAD.
- II. I have reviewed the existing protection scheme and suggested new scheme based on Islanding study results.

- 10. ConEd Bus flow analysis (September 2023 to November 2023 & May 2024 to June 2024):

Following is the summary of my role for above project.

- I. I designed substation breakers in a large area model in PSSE.
- II. I performed Bus flow analysis and contingency analysis to review the existing breaker rating capability.

# NARASIMHA SWARAJ PALADI (22-901-40)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### TIME GAPS

Start Date	End Date	Explanation
May 2013	July 2015	Pursued Intermediate Education
May 2019	July 2021	Took a break to prepare for GRE and IELTS exams to pursue Masters in USA. Also due to COVID quarantine restrictions, I had to delay my Masters for one more year.



### DEGREES EVALUATED

Institution/Degree	Country	Language	Courses
Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering 08/01/2015 — 04/01/2019	India	English	43
North Carolina State University / Masters in Electric Power System Engineering 08/01/2021 — 05/01/2023	United States	English	None

### COMPARABILITY SUMMARY

#### Outcome: Not Equivalent

Area	Hours	Deficiency
Math/Science	28 / 32	Missing 4 hours
Engineering	71 / 48	None
General Education	13 / 12	None
Elective/Other	16 / N/A	None

### SPECIAL NOTE

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

## Specified Criteria Hours: 32

Course	Institution/Degree	U.S. Credits
Calculus I	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Calculus II	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.1
Chemistry	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.1
Computational Algebra	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Differential Equations	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Electrical Circuits	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	4.9
Electromagnetic Fields	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Engineering Mechanics	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.1
Environmental Science	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.1
Physics	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	3.5

**Total semester credit hours earned: 28.00**

## Specified Criteria Hours: 48

Course	Institution/Degree	U.S. Credits
Control Systems	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	3.5
Digital Control	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Digital Signal Processing	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	4.2
Distribution Systems	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Electrical & Electronic Engineering	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	4.2
Electrical Drives	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Electrical Machinery I	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	3.5
Electrical Machinery II	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	3.5
Electronic Devices & Circuits	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Energy Systems	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.1
Engineering Labs	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	4.2
Engineering Project	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	6.0
Linear Integrated Circuits	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Logic Design	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.1
Microprocessor Based Systems	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	4.2
Power Electronics	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	4.2
Power Generation	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.1
Power System Operation & Control	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Power Systems I	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Power Systems II	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.1
Protection & Switchgear	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8

Transmission	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
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**Total semester credit hours earned: 71.10**

## Specified Criteria Hours: 12

Course	Institution/Degree	U.S. Credits
English	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	4.2
Management	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Managerial Economics	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Organizational Behavior	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.1
Professional Ethics	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	1.4

**Total semester credit hours earned: 13.30**

## ELECTIVE/OTHER

Specified Criteria Hours: N/A

Course	Institution/Degree	U.S. Credits
Computer Methods	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Computer Science	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	4.2
Electrical Measurements	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	4.2
Engineering Graphics	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Seminar	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	0.7
Workshops	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	1.4

**Total semester credit hours earned: 16.10****Total Semester Credit Hours Earned: 128**

## PROCESS DESCRIPTION

All education is compared to the NCEES Engineering Education Standard

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

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

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




# HOLDEN TRUONG (21-762-30)

All work experience reviewed by two licensed professionals

DISCIPLINE: ELECTRICAL

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/24/2025**

*Citizenship*  
**United States**

## SUMMARY







*Engineering Experience after EAC degree*  
**4 years, 1 month**

*Total Engineering Experience*  
**4 years, 1 month**

*Experience under licensed engineer*  
**4 years, 1 month**

*Disciplinary Action*  
**None reported**




## EDUCATION



*Bachelors in Mechanical Engineering (EAC)*  
**University of Nevada, Las Vegas**  
**August 2017–May 2021**

## EXAMS



*Fundamentals of Engineering (FE)*  
**Nevada**  
**March 2021**

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



## LICENSES



*Additional Licenses*  
**None**

## WORK EXPERIENCE

NV Energy  
Nevada (United States)  
System Protection Engineer II  
September 2021—October 2025

Verified by  
**Tony Hoang Nguyen**  
tonynguyen.pe@gmail.com

Experience Summary  
**Full-Time**  
**Engineering: 4 years, 1 month**  
**Post EAC degree: 4 years, 1 month**  
**Experience under licensed engineer: 4 years, 1 month**



### TASKS

After graduating, I worked for NV Energy as a design engineer for a little over 4 years at the time of writing. I started in substation engineering and continued for 2.5 years then moved to system protection where I have been working for another 1.5 years.

In substation engineering, I mainly performed design where my primary deliverable is a drawing set. This includes drafting and reviewing schematics, wiring diagrams, and physical elevations for equipment like breakers, transformers, relay panels/enclosures, instrument transformers, and other auxiliary equipment. This required me to make engineering decisions like calculating and specifying maximum bus spans between station post insulators as well as choosing breaker control voltages and interrupting ratings. I began making these decisions after a year of working with a lead engineer. After this, I was assigned to projects as the sole engineer, meaning that I was responsible for meeting deadlines, ordering materials, and answering questions from field personnel, design contractors, and project managers. I had a high degree of responsibility but always had a senior engineer review and approve my design packages.

The complexity of my work increased in system protection where my primary deliverable is protective relay settings. I developed settings to protect equipment like transformers, bus zones, and transmission/feeder lines. I modelled parts of our transmission system model to use for short circuit analysis among other things. The results of which, I used to determine relay settings and sizing fuses. Like substations, I am responsible for communicating with other parties and managing projects to meet deadlines, but a senior engineer reviews and approves my settings for bulk electric system equipment. I made engineering decisions in setting relays, sizing fuses, and writing relay recommendations which steered the design direction of a substation's current and future protection scheme.



### REPRESENTATIVE PROJECTS

Oquendo Substation, replacing three 12kV obsolete breakers  
October 2022 to March 2023

The scope of this project is to replace three 60-year-old 12kV oil breakers with modern vacuum breakers in Oquendo substation, a brown field 69/12kV substation located near Allegiant stadium in Las Vegas, Nevada. My role is to order all relevant materials and prepare a set of prints detailing how to install the new breakers and interface the modern SEL relays with the existing RTU. During an initial review of the project scope and prints, I found contradicting elements and decided to make field trips to correct them. While on site, I made sure to take pictures of everything remotely related to the project, not just of the drawing contradictions. I also found asbuilts that weren't reflected in what I believed to be the latest prints. After correcting these issues, I learned the pinouts required to wire a breakout board to interface an SEL relay with a Garrettcom terminal port server because at this point, I was only familiar with simply plugging in a serial cable between an SEL relay and an SEL port server. On the same note, indication and control is normally handled through the same serial cable but because the Garrettcom port server was only used for analogs, I learned how to hard wire the indication and controls between the SEL breaker relays and the existing combination ACS/SNW RTU and interposing relay equipment which I have not seen before this point. After preparing the drawings, submitting them to a senior engineer for review and approval, I issued the drawings to the field and remained on standby to answer any field questions that arose. Finally, I ensured that the asbuilts for this project were applied to our latest drawings to avoid the issues that I ran into earlier.

Lindquist Substation, 69/12kV bank #3 addition and auto restoration upgrade  
February 2025 to October 2025

This project scope is to develop relay settings to protect the new 69/12kV transformer #3, upgrade highside bus protection, implement automation for bank faults, and add circuit switcher failure protection at Lindquist substation in Henderson, Nevada. I used dual current differential for the bus protection, current differential primary with overcurrent backup for the transformer protection, and breaker failure logic and supervision for the circuit switcher protection. As the primary protection engineer for this

project, I prepared settings for all new relays and most of the existing relays. To do this, I modelled the new transformer in our system model so I can perform short circuit analysis to verify overcurrent backup protection for the transformers. I also calculated asymmetric fault currents involving transformers and requested the substation engineer to verify circuit switcher interrupting capability for this event. Finally, I developed the automation logic to restore the station in the event of a bank fault and programmed this into the RTAC. Other responsibilities include attending meetings, answering technical questions from other departments, and managing project progress to accommodate fluctuating construction, outage, and in service schedules.

GENERAL




Applying To  
**Nevada**

Application Type  
**Initial - PE**

Application Date  
**10/03/2025**

Citizenship  
**Canada**

SUMMARY





Engineering Experience  
after EAC degree

Total Engineering  
Experience  
**16 years, 11 months**

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

Disciplinary Action  
**None reported**




EDUCATION



Non-degree  
**Technical Exams Board - Technical Diploma in  
Electrical & Electronics Engineering**  
**July 2001–April 2003**


Bachelors in Electrical & Electronics Engineering  
**Jawaharlal Nehru Technological University**  
**July 2003–April 2006**

Masters in Power Systems Engineering  
**National Institute of Technology - Warangal**  
**July 2006–June 2008**



**WAIVER REQUEST:** NRS 625.193(1)(A) WAIVER OF FE WITH  
10 OR MORE YEARS OF EXPERIENCE.

EXAMS



Waived Fundamentals of Engineering (FE)  
**Nevada**  
**April 2024**

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

LICENSES



Additional Licenses  
**None**

WORK EXPERIENCE

Bharat Heavy Electricals Ltd  
Karnataka (India)  
Deputy Manager  
May 2008—October 2017

Verified by  
Vinod M  
vinodm@bhel.in

Experience Summary  
Full-Time  
Engineering: 9 years, 5 months  
Experience under licensed engineer:  
None



TASKS

As an electrical engineer specializing in low voltage systems, I undertook a broad range of technical and project-based responsibilities:

- Engineering Design & Estimation: Drafted competitive engineering estimates and developed detailed technical design specifications for electrical products and systems, including low voltage switchgear, bus ducts, and data concentrator packages for power plants.
- Technical Documentation: Created general arrangement drawings, electrical schematics, and comprehensive Bills of Materials (BoMs) for low voltage switchgear panels, ensuring accuracy and compliance with standards & project requirements.
- Logic Development: Designed and implemented relay breaker logic settings tailored to the operational needs of low voltage switchgear systems.
- Bid Evaluation: Assessed and evaluated technical bid documents for switchgear packages, contributing to vendor selection and procurement decisions.
- Commissioning Support: Provided on-site technical support during the commissioning phase of low voltage switchgear panels, ensuring seamless integration and functionality.
- Factory Acceptance Testing (FAT): Conducted rigorous FAT procedures to validate product performance and compliance with engineering standards.
- Manufacturing Coordination: Prepared and released finalized engineering information to the manufacturing team, facilitating efficient production workflows.
- Design Finalization: Led technical review meetings to finalize switchgear designs, collaborating with cross-functional teams and stakeholders.
- Testing & Reporting: Developed detailed test reports documenting the results and observations from switchgear product testing.
- Client Training: Delivered hands-on training sessions to client operators, focusing on the operation, maintenance, and troubleshooting of low voltage switchgear systems.



REPRESENTATIVE PROJECTS

Project Title: Industrial Test Bed Modernization

Location: India

Duration: 2009–2013

Project Scope: Modernization of a 100 MW induction machine testing facility through the integration of advanced DC drives, variable frequency drives (VFDs), and programmable logic controllers (PLCs). The objective was to replace conventional rotating machinery with static drive systems to enhance operational efficiency, safety, and reliability.

Role and Responsibilities:

Feasibility Analysis: I conducted a comprehensive feasibility study to phase out legacy rotating machines and replace them with static DC and AC drive systems. The study prioritized minimizing production downtime and ensuring compliance with safety standards.

Specification Development: I engineered detailed technical specifications for DC drives, AC drives, measurement systems, PLCs, main distribution boards, and control desks. Specifications were based on customer requirements and applicable regulatory standards.

Testing and Commissioning Protocols: I designed functional test formats for site acceptance testing of DC drives, AC drives, PLCs, and distribution boards. These protocols ensured system integrity and performance validation at the customer site.

**Project Scheduling and Risk Assessment:** I developed a PERT-based activity schedule to identify critical path elements, including procurement of imported equipment, civil/structural works, and commissioning phases. Proactively engaged with suppliers and government agencies to mitigate delays related to customs clearance and contractor coordination.

**Electrical System Design and Simulation:** I performed load flow simulations using ETAP software to determine appropriate ratings for DC/AC drives, main transformers, and distribution boards. Calculations were based on the operational profiles of motors under test, ensuring accurate sizing and system reliability.

I demonstrated the following engineering competencies

Power system analysis and simulation.

Drive system integration and control.

Technical specification and standards compliance.

Project planning and risk mitigation.

Site testing and commissioning procedures.

**Project Title:** 700MW Bellary Thermal Power Station

**Project Duration:** 2013-2016

**Project Scope:** This project encompassed the full lifecycle engineering, procurement, and testing of low-voltage (LV) switchgear panels for a 700MW thermal power generation plant. The work included detailed design, component specification, quality assurance planning, and final product delivery, ensuring the reliable and safe distribution of electrical power to critical plant systems.

**My Role and Responsibilities as an Electrical Engineer:**

**Engineering Specifications:** Authored comprehensive technical specifications for all low-voltage switchgear components, including Air Circuit Breakers (ACBs), Molded Case Circuit Breakers (MCCBs), numerical relays, and metering devices. This involved performing detailed engineering analysis to select components that met the rigorous performance, reliability, and safety standards of the IEC.

**Electrical Design:** Developed and finalized all electrical design deliverables, including Single-Line Diagrams (SLDs) and General Arrangement (GA) drawings for Power Control Centers (PCC) and Motor Control Centers (MCC). These designs were executed using AUTOCAD Electrical, with a focus on optimizing panel layout for operational efficiency, safety, and maintainability.

**Control Logic Philosophy:** Formulated the complete breaker control and drive logic philosophy for the LV switchgear package. This involved a critical application of IEC standards and customer requirements to design safe interlock schemes and control sequences, ensuring equipment functionality and system integrity under various plant operating conditions.

**Quality Assurance & Testing:** Engineered and documented a detailed Quality Plan that defined all routine and Factory Acceptance Test (FAT) protocols. This plan was crucial for verifying the performance and compliance of the LV switchgear panels with both design specifications and international standards prior to shipment.

**Technical Leadership:** Led technical review meetings with the client and their consulting engineers to present and justify all design decisions. I was responsible for addressing technical queries, negotiating design modifications, and securing formal approval of all LV switchgear deliverables.

## WORK EXPERIENCE

General Electric Canada  
Nova Scotia (Canada)  
Lead Field Service Specialist  
March 2018—April 2023

Verified by  
**Wissam Raffoul**  
wissam.Raffoul@ge.com

Experience Summary  
**Full-Time**  
**Engineering: 5 years, 1 month**  
**Experience under licensed engineer:**  
**None**



### TASKS

My responsibilities as an electrical engineer centered on the commissioning and maintenance of marine electrical power and distribution systems, specifically on medium-voltage (MV) systems up to 6.6 kV. A core part of my role involved the comprehensive commissioning of MV switchboards, ensuring all connected equipment, including Uninterruptible Power Supplies (UPS), Automatic Voltage Regulators (AVR), generators, and propulsion and distribution transformers, functioned optimally for marine applications.

My technical expertise extended to performing secondary injection testing on generator and feeder protection numerical relays to confirm their proper function and settings. I was also responsible for providing critical support during a vessel's basin and sea trials, identifying and resolving any power system issues in real-time. This hands-on experience was complemented by routine preventive maintenance and remote troubleshooting to ensure system reliability and minimize operational downtime.

I provided commissioning support for complex systems, including the vessel's power management automation system, and the propulsion and bow thruster drives. Additionally, I contributed to customer support by providing on-field training to vessel operating crews, equipping them with the knowledge to safely and effectively operate and maintain the electrical power systems.



### REPRESENTATIVE PROJECTS

Project: AOPS (Arctic Offshore Patrol Ship) Program, Canada Defense

Duration: 2018-2023

My experience with the AOPS program involved the design, engineering, and commissioning of medium-voltage (MV) power systems across six ships. I was directly involved in the commissioning of four ships. This work required a strong grasp of electrical engineering principles and adherence to strict marine classification rules.

#### Design and Commissioning of Protection and Control Systems

I performed detailed calculations for the time-delay overcurrent settings of transformer feeders, using a load flow software and the ANSI Normally Inverse fault curve. These settings were crucial for preventing nuisance tripping caused by transformer inrush current during energization. By successfully implementing these settings in the protection relays, I ensured the reliability and stability of the power system. This work required a deep understanding of protective relaying principles and the behavior of transformers during energization.

During commissioning, I investigated a communication failure in a low-voltage (LV) drive. Using design manuals, commissioning procedures, and analytical software, I diagnosed the issue. My analysis determined that the drive's communication interface card had failed, preventing communication between the controller and the drive hardware. I resolved the problem by replacing the faulty card, which was critical for the drive's proper operation. This task demonstrated my proficiency in troubleshooting complex electrical systems and my ability to interpret technical documentation.

#### Testing and Validation of Electrical Equipment

I performed comprehensive load testing on the diesel generators for the AOPS project. The generators were loaded up to 110% using resistive and inductive load banks to validate their design and operating characteristics against Marine Canada Class rules. This rigorous testing ensured the generators met all design specifications and performance requirements for a marine application.

I also conducted extensive testing of the MV switchboards. This included:

Simulating faults using a secondary injection kit to verify the protection relay operation.

Performing functional checks with MV bus voltage present.

Validating load sharing capabilities between two switchboards by controlling the bus frequency and voltage.

These tests successfully demonstrated the safety, protection, and operational features of the MV switchboards, ensuring they met client requirements and marine classification standards. I also performed similar tests on the LV drives, simulating faults and conducting remote checks to validate their design and operation according to approved documentation and Marine Canada Class rules.

#### System Optimization and Inspections

I conducted an analysis to optimize the start time delay for the Automatic Voltage Regulator (AVR). My goal was to synchronize the AVR excitation with the generator's speed, ensuring it reached its nominal voltage and speed simultaneously. Through a series of iterations, I timed the AVR excitation to start when the generator reached 80% of its nominal speed. This optimization prevented nuisance trips related to loss of sensing during de-excitation, improving the reliability of the generator system.

As part of my duties, I trained the ship's crew on the operation and maintenance of the electrical propulsion system. I provided troubleshooting tips and interacted with them to gather feedback on the system's performance.

I also performed pre-commissioning inspections of all major electrical components, including:

Generators and AVRs

MV switchboards

Distribution transformers

LV and MV drives

I referenced equipment erection drawings and procedures to identify and document any installation deficiencies. Reporting these findings to the production team early in the process was crucial, as it allowed for timely corrections and prevented delays in the commissioning schedule. This proactive approach significantly contributed to the project's overall success.



WORK EXPERIENCE

Schweitzer Engineering Laboratories  
Washington (United States)  
Project Engineer-II Automation  
May 2023—October 2025

Verified by  
pradeep varma sangaraju  
venkateshwara  
pradeep\_sangaraju@selinc.com

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



TASKS

Project Planning & Design

- Designed and implemented GCS(Generator control systems), LSS(Load shedding System), MGC(Microgrid control system) solutions for utility substations and industrial power systems.
- Developed control logic for GCS, LSS,MCS using SEL automation controllers.
- Reviewed customer engineering drawings including one-line diagrams, wiring diagrams, and communication network layouts.
- Performed FEED( front end engineering design) for proposing automation and control solutions for industrial power systems.

System Integration & Configuration

- Configured and programmed SEL devices (e.g., SEL-351, SEL-751, SEL-2411, SEL-3555 RTAC) for control, and automation.
- Integrated GCS,LSS,MCS systems with communication protocols (DNP3, Modbus, IEC 61850) for real-time monitoring and control.
- Developed HMI screens for automation controllers using Zenon , Wonderware , SEL diagram builder software.

Testing & Commissioning

- Conducted factory acceptance testing (FAT) and site acceptance testing (SAT) for automation systems.
- Performed HIL testing and logic verification using RTDS (Real time Digital simulator).
- Supported commissioning of substations including energization, troubleshooting, and final validation.

Project Management & Coordination

- Collaborated with clients and internal teams to define project scope and technical requirements.
- Managed project timelines, deliverables, and budgets for automation engineering tasks.
- Provided technical support and training to clients on SEL power system automation solutions.

Documentation & Compliance

- Prepared engineering reports, test procedures, and commissioning documentation.
- Ensured compliance with IEEE, NESC, and NEC standards in all designs and implementations.
- Maintained version control and documentation for firmware, logic files, and configuration settings.

Professional Development & Ethics

- Participated in internal technical reviews and peer mentoring.
- Adhered to professional engineering ethics and standards as outlined by NCEES.



REPRESENTATIVE PROJECTS

Project 1: NWE Geraldine Utility Microgrid – Montana

Duration: May 2023 – October 2024

Scope:

I Designed and implemented automation and control systems for a utility-scale microgrid integrating distributed energy resources (DERs).

Design Responsibilities:

I Developed functional design specifications for microgrid control (MGC), including logic for transitions, black start, islanding detection, and state-of-charge (SOC) management.

Selected appropriate SEL devices (SEL-3555, SEL-3530, SEL-351S) and communication protocols (Modbus, SEL Fast Message, DNP3, NGVL) based on system requirements.

Defined control architecture and redundancy strategies to ensure reliable operation under various grid conditions.

Implementation Responsibilities:

I Programmed and tested PLC logic on SEL-3555 and SEL-3530 for DER coordination and microgrid transitions.

I Configured communication protocols for control and status exchange between devices and SCADA systems.

I Conducted Hardware-in-the-Loop (HIL) testing using RTDS to validate control logic under simulated grid conditions.  
I Drafted detailed commissioning plans and executed Site Acceptance Testing (SAT) including open/closed loop testing and field I/O validation.

Outcome:

I Validated control logic in the factory using RTDS, significantly reducing commissioning time and improving system reliability and customer satisfaction.  
I Ensured compliance with IEEE standards and cybersecurity protocols.

Project 2: Hilcorp PBU Islanded Generation – Alaska

Duration: August 2023 – April 2025

Scope:

I Automated generation control and load shedding systems for an islanded oil & gas facility.

Design Responsibilities:

I Engineered Generator Control System (GCS) and Load Shedding System (LSS) logic using SEL-3555, SEL-2411, and SEL-700G.

I Designed interface logic between turbine controllers and SEL relays/RTACs for coordinated operation.

I Selected and configured communication protocols (Modbus, IEC 61850 GOOSE & MMS, DNP3, NGVL, C37.118) to meet system performance and interoperability requirements.

Defined architecture for synchro phasor (PMU) data monitoring using SEL-3555.

Implementation Responsibilities:

I Programmed and tested control logic for generator coordination and load shedding.

Integrated turbine controllers and PMUs with SEL devices for real-time monitoring and control.

Led technical review meetings with clients and internal teams to finalize control strategies.

Performed SAT including communication checks, field I/O testing, and closed-loop validation.

Outcome:

I Delivered a robust automation system that maintained operational stability during islanded conditions.

I Enhanced system visibility and response through PMU-based monitoring.

Project 3: Red Dog Mining Operations – Alaska

Duration: September 2023 – April 2025

Scope:

Upgraded automation systems for a remote mining facility with critical power reliability needs.

Design Responsibilities:

I Designed GCS and LSS logic using SEL-3555 with redundancy for high availability.

I Developed functional specifications and control logic for generator coordination and load shedding.

I recommended IEC 61850 GOOSE protocols fast tripping to maintain system stability.

Implementation Responsibilities:

I Conducted HIL testing with RTDS to simulate power system conditions and validate control logic.

I Led commissioning planning and executed SAT including open-loop and closed-loop testing.

Verified communication, logic execution, and field device integration during commissioning.

Outcome:

I Improved power generation control response and load shedding reliability.

I Reduced commissioning time through pre-validation of logic and settings.



### DEGREES EVALUATED

Institution/Degree	Country	Language	Courses
Technical Exams Board - Technical Diploma in Electrical & Electronics Engineering / Non-degree 07/01/2001 — 04/01/2003	—	English	None
Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering 07/01/2003 — 04/01/2006	India	English	40
National Institute of Technology - Warangal / Masters in Power Systems Engineering 07/01/2006 — 06/01/2008	India	English	2

### COMPARABILITY SUMMARY

#### Outcome: Not Equivalent

Area	Hours	Deficiency
Math/Science	15 / 32	Missing 17 hours Missing Biology or Chemistry
Engineering	88 / 48	None
General Education	13 / 12	None
Elective/Other	16 / N/A	None

### SPECIAL NOTE

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

The NCEES Engineering Education Standard requires 32 college semester credit hours in Math/Science. Credits in basic sciences must include at least two courses. 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.

Specified Criteria Hours: 32

Course	Institution/Degree	U.S. Credits
Calculus I	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	4.2
Calculus II	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Calculus III	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Electromagnetic Theory	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Physics	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8

**Total semester credit hours earned: 15.40**

## Specified Criteria Hours: 48

Course	Institution/Degree	U.S. Credits
Computer Organization	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Control of Power Systems	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Control Systems	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	3.5
Digital Circuits	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	3.5
Digital Signal Processing	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Electrical Power Distribution	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Electromechanical Engineering I	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	3.5
Electromechanical Engineering II	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	3.5
Electromechanical Engineering III	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Electronic Devices	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	4.8
Energy Conversion	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
High Voltage Engineering	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Hydraulics	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	3.5
Instrumentation	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Integrated Circuits	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Linear Systems & Control	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Logic Design	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Microprocessors	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	3.5
Modeling & Simulation	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	3.5
Network Analysis	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	4.8
Power Electronics	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	3.5

Power Semiconductor Drives	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Power Systems I	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Power Systems II	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Power Systems III	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Project	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Transmission & Distribution	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Transmission Systems	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
<b>Total semester credit hours earned:</b>		<b>88.00</b>

## GENERAL EDUCATION

Specified Criteria Hours: 12

Course	Institution/Degree	U.S. Credits
Economics & Accounting	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
English	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	4.2
Human Resource Management	National Institute of Technology - Warangal / Masters in Power Systems Engineering	1.5
Management Theory	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Technical Report Writing	National Institute of Technology - Warangal / Masters in Power Systems Engineering	1.5

**Total semester credit hours earned: 12.80**

Specified Criteria Hours: N/A

Course	Institution/Degree	U.S. Credits
Computer Applications	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8
Computer Programming	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	6.9
Electrical Measurements	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	3.5
Engineering Drawing	Jawaharlal Nehru Technological University / Bachelors in Electrical & Electronics Engineering	2.8

**Total semester credit hours earned: 16.00****Total Semester Credit Hours Earned: 132**

## PROCESS DESCRIPTION

All education is compared to the NCEES Engineering Education Standard

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

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

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



# Mechanical

# DORIAN DIAZ BANUELOS (19-411-32)

All work experience reviewed by two licensed professionals

DISCIPLINE: MECHANICAL

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/27/2025**

*Citizenship*  
**United States**

## SUMMARY







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

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

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

*Other Experience*

*Disciplinary Action*  
**None reported**




## EDUCATION



*Associates in Pre-Engineering*  
**College of Southern Nevada**  
**June 2011–May 2014**

*Bachelors in Mechanical Engineering (EAC)*  
**University of Nevada, Las Vegas**  
**June 2016–December 2018**

## EXAMS



*Fundamentals of Engineering (FE)*  
**Nevada**  
**December 2018**

*Principles and Practice of Engineering (PE)*  
**Mechanical**  
**Nevada**  
**September 2025**

## LICENSES



*Additional Licenses*  
**None**

DORIAN DIAZ BANUELOS (19-411-32)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

McDonald's  
Nevada (United States)  
Customer Service Representative  
September 2009—August 2011

Verified by

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



DESCRIPTION

DORIAN DIAZ BANUELOS (19-411-32)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Sears Auto Center  
Nevada (United States)  
Customer Sales Advisor. Prepared accurate, detailed service estimates based on vehicle issues or maintenance needs. Presented customer options for parts, tires and services that aligned with their budget and vehicle requirements.  
August 2011 — May 2016

Verified by

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



DESCRIPTION

# DORIAN DIAZ BANUELOS (19-411-32)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Panda Windows and Doors  
Nevada (United States)  
Design Engineer  
January 2019—May 2021

Verified by  
Dorian Diaz Banuelos (Self)

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



### TASKS

Lead the design of new frame extrusions through R&D, 3D printing and building mockups for testing. Reviewed structural site plans and developed calculation packages in accordance with ASCE 7-10. Collaborated with shop foreman developing solutions for manufacturing and quality inspections procedures. Performed thermal transmittance simulations to review and identify new product improvement opportunities. Maintained communication with vendors and suppliers to ensure quality and delivery schedules were met. Developed automated sliding door successfully tested for the highest AAMA rating.



### REPRESENTATIVE PROJECTS

Hanging Sliding wall lock mechanism was a device that I developed for the company's hanging sliding wall. This mechanism was designed using a worm gear and multi pitch drives to allow the lock to position the door in a fixed position while simultaneously unlocking the swing portion of the door that would allow the user to be limited to having one option during the operation. It also served as a locking device and material strengths and FEA were conducted to ensure the repeatability of the mechanism would last for the duration of the door system life.

During the testing for the highest AAMA rating on the automated sliding door, I developed a drainage valve system that would allow the door sill to drain out water while a vacuum was placed internally to the door chamber. Through simple hydrostatic principals, I was able to achieve a successful test rig allowing the door to successfully meet the AW70 requirements. The aluminum extrusions for the same AW70 rated door were designed to withstand structural loads through designing the cavities large enough so that a large stainless steel bar would be minimize the systems deflection. Working with the CNC operator, we created all programming for all the necessary hardware to attach a direct current motor to be operated with a single button.

# DORIAN DIAZ BANUELOS (19-411-32)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

NIKKISO CE&IG  
Nevada (United States)  
MANAGER, DESIGN ENGINEERING  
May 2021 – October 2025

Verified by  
**Greg Steven Highfill**  
greg.highfill@nikkisoceig.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

Employed as a Design Engineer level 2. I was promoted to Design Engineer level 3 and since 2024, Manager of Design Engineering. As a design engineer, I was responsible for implementing project designs under the project team plans while improving and developing department procedures to optimize work flow. Tasks ranged from producing final hand drawings to conducting research and developing calculator tools. I mentored and coached other design engineers by providing positive feedback on current designs and strengthening their skills by developing engineering training guides. I ensured quality of part lists for procurement as well as selecting materials needed for production. As a manager, I am responsible for our teams commitment to production schedule. I am the technical leader managing alterations and enhancements through delegation of new procedures and products ensuring final products are in accordance with our company mission.



### REPRESENTATIVE PROJECTS

As a design engineer level 2. I was tasked with developing complete turn key electrical systems that would provide power to our product, an LNG pump with a submersible induction motor. Though this system, it provided all electrical safety components by procuring a junction box and all required hardware with safety and compliance to all region certifications for this medium voltage applications. For power transmission between the vessel and junction box, a third party off-the-self electrical feed through was properly selected specifically for cryogenic applications combining existing feed through geometry with new designed nozzles, and flange connections abiding with ASME standards to complete the design and assembly meets customer's interface. Each project had a unique design driven by their region required compliances and sized accordingly based off pump required power. Similarly, I was involved with many instrumentation system designs for monitoring the product's operation. These too were standalone systems that required similar safety and compliance hardware to meet all certifications. Systems contained accelerometers in an intrinsically safe circuits providing vibration data. Pressure and temperature sensors for measuring level of the vessel.

At this level in the company and during my time as a design engineer, I've already assisted in handful of projects where I've been the design engineer for pump design ensuring production criteria through delivering complete CAD models, drawings and completed calculations ensuring fit form function of project requirements. I then was tasked with developing a modular multi-stage centrifugal pump that could easily be reconfigured in future projects significantly reducing design time. Additionally, cost efficiency analysis were conducted allowing manufacturing of components were repeatable and required hardware to keep inventory of similar parts. This method proved to be efficient has automated the design for this pump model and has become the root method of modularizing pump designs for optimizing production schedule.

BRIAN DOUGLAS (15-378-35)

All work experience reviewed by two licensed professionals

DISCIPLINE: MECHANICAL

GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/15/2025**

*Citizenship*  
**United States**

SUMMARY







*Engineering Experience after EAC degree*  
**7 years, 7 months**

*Total Engineering Experience*  
**7 years, 7 months**

*Experience under licensed engineer*  
**7 years, 7 months**

*Other Experience*

*Disciplinary Action*  
**None reported**




EDUCATION




*Bachelors in Mechanical Engineering (EAC)*  
**Prairie View A and M University**  
**August 2007–December 2011**

*Masters in Civil Engineering*  
**Purdue University, West Lafayette**  
**August 2022–August 2023**



**WAIVER REQUEST:** NRS 625.183, ITEM 4, PART B, “TWO OF THE 4 YEARS OF ACTIVE EXPERIENCE MUST HAVE BEEN COMPLETED BY WORKING UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER WHO IS LICENSED IN THE DISCIPLINE IN WHICH THE APPLICANT IS APPLYING FOR LICENSURE, UNLESS THAT REQUIREMENT IS WAIVED BY THE BOARD.”

EXAMS



*Fundamentals of Engineering (FE)*  
**California**  
**April 2018**

*Principles and Practice of Engineering (PE)*  
**Mechanical**  
**Nevada**  
**March 2025**

LICENSES



*Additional Licenses*  
**None**

BRIAN DOUGLAS (15-378-35)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Officer Candidate for the US Navy  
Rhode Island (United States)  
Officer Candidate  
January 2012—December 2012

Verified by  
Brian Douglas (Self)

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



DESCRIPTION



WORK EXPERIENCE

NAVAL MOBILE CONSTRUCTION  
BATTALION FOUR (NMCB 4), Port  
Hueneme, CALIFORNIA  
California (United States)  
Platoon Commander  
January 2013—July 2014

Verified by  
Brian Douglas (Self)

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



TASKS

Responsible for managing detachment project funds, ensuring proper allocation, accountability, and compliance with financial controls, as well as maintaining custody and readiness of Table of Allowance (TOA) assets. Served concurrently as Alfa (Transportation) Platoon Commander, overseeing the training, discipline, and tactical deployment readiness of 50 personnel, ensuring they were fully prepared to support operational and contingency requirements.



REPRESENTATIVE PROJECTS

- Coordinated logistics and embarkation functions for 190 personnel across five countries, ensuring safe and efficient transport of mission-critical equipment and materials. Applied engineering judgment to balance load capacities, evaluate convoy and airlift feasibility, and sequence movements to sustain operations.
- Provided generator and fuel system support at Civil Affairs Team sites in Dikhil, Ali Sabieg, and Tadjoura, Djibouti. Oversaw inspection, operation, and preventive maintenance of power generation assets; verified fuel distribution methods; and implemented contingency measures to ensure uninterrupted thermal-fluid system performance.
- Managed construction of a \$206K Pre-Engineered Building (PEB) and a \$50K Consolidated Hazardous Material Reutilization and Inventory Management Program (CHRIMP) facility on Camp Lemonnier. Reviewed design documents, evaluated constructability of mechanical and structural systems, and supervised installation of ventilation, fuel handling, and other critical components. Ensured compliance with safety codes, quality standards, and engineering best practices.
- Supervised a platoon of 50 personnel, training them on generator operations, mechanical equipment readiness, and safety procedures. Verified administrative and technical readiness for deployment, ensuring personnel were capable of supporting mechanical and fluid system operations in austere environments.

# BRIAN DOUGLAS (15-378-35)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Naval Facilities Engineering Systems  
Command Southwest, Naval Air  
Weapons Stations China Lake  
California (United States)  
Assistant Public Works Officer  
August 2014—June 2016

Verified by  
Brian Douglas (Self)

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

### TASKS

As the Assistant Public Works Officer (APWO), I was responsible for establishing client work requests, developing accurate cost estimates, and planning the execution of sustainment, restoration, and modernization projects funded through various appropriations. I also provided comprehensive facilities acquisition, installation engineering support, and Seabee contingency engineering services to the Navy and Marine Corps. Additionally, I oversaw the field execution and administration of construction, maintenance, and facilities support contracts, ensuring mission readiness and operational efficiency.

### REPRESENTATIVE PROJECTS

Entrusted to oversee and coordinate the full-depth reconstruction of the \$21M Runway 3/21 and \$15M Runway 8/26 projects. Maintained airfield construction POA&Ms and provided regular briefings to the ICO and Air Operations on progress. Generated work order requests for emergency and routine repairs and conducted weekly airfield inspections to ensure timely completion and identify potential FOD hazards, determining the best mitigation strategies. Initiated warranty work for four 3x3 partial patches and three full-depth patches at various high-traffic parking apron locations to maximize parking availability and prevent mission impact.

Responded effectively to rapid asphalt deterioration on the only operational runway caused by significant temperature swings during the El Niño year. Monitored pavement cracks, ensuring none exceeded ¼ inch in width. Coordinated with San Diego and local engineers to develop a short-term contingency plan and a permanent repair plan for upcoming execution. Seamlessly orchestrated multiple Shops' repairs by acquiring and applying CRAFTCO sealant within critical temperature windows, resulting in uninterrupted runway operations with zero lost time incidents.

Partnered with the Airfield Manager to rejuvenate outstanding airfield safety waivers by developing a POA&M that assigned clear accountability to NAVFAC and AIR OPS, with firm IBONS submission deadlines. Produced two temporary construction waivers for high-priority runway projects addressing safety violations on primary and imaginary surfaces. These efforts ensured NAWSCL Airfield met CNIC inspection requirements and established a sustainable process to enhance future inspection ratings.

Spearheaded the development and execution of the installation's FY16 ST Execution Plan. Organized monthly coordination meetings to track project progress and fund expenditure, and developed a priority list to guarantee 100% expenditure of the FY16 control budget. His leadership improved PWD China Lake's ST project prioritization and enhanced awareness of the FY16 ST control budget on the work induction board.

Successfully served as Planning Section Chief during three emergency operations center drills at NAWS China Lake. Collected, organized, and displayed critical incident information, including the status of all resources and overall incident progress, ensuring efficient incident management.

Orchestrated final site inspections between NAVFAC and NCG1 for the Vehicle Maintenance PEB at the Mineral Product Site. Ensured the facility complied with fire safety inspections and UFC standards.

Collaborated with Major Range and Test Facility Base (MRTFB) and NCG1 on preparations to repair four deteriorating roads in the North Range of China Lake, key access routes to major testing areas and shooting ranges. These repairs will enhance mobility, reduce vehicle operating costs, and lower accident rates.

Worked with NCG1 and NMCB 5 to plan repairs of a five-mile road to the EOD Darwin site, scheduled for April 2016. This project will improve safety and reduce vehicle maintenance costs for EOD personnel.

## WORK EXPERIENCE

NAVAL FACILITIES ENGINEERING  
SYSTEMS COMMAND SOUTHEAST,  
PWD GULFPORT  
Mississippi (United States)  
Construction Manager  
July 2016—July 2019

Verified by  
**Lawrence D Hall**  
hall.lawrence@gmail.com

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



### TASKS

#### Construction Manager

Naval Facilities Engineering Systems Command Southeast (NAVFAC SE), Public Works Department Gulfport, Gulfport MS  
Gulfport, Mississippi

I was responsible for applying Department of Defense and Federal procurement regulations in the planning and execution of construction and service contracts. I managed over \$25M in construction and renovation projects, serving as the primary technical and contractual liaison between the Navy, contractors, and end-users.

My duties included reviewing and approving contractor material and product submittals to verify compliance with project design requirements and Unified Facilities Criteria. I evaluated contractor quality control and safety plans for adequacy and executed recurring jobsite inspections to monitor construction methods, schedule adherence, and safety compliance. I performed cost analyses and engineering calculations to support contract modifications, including preparing government estimates prior to issuing requests for proposals. At project completion, I conducted final acceptance inspections, ensuring all contractual and technical specifications were satisfied.

Significant projects included managing a \$6.4M Battalion Headquarters renovation and performing constructability reviews for four major projects valued at \$12M. My reviews identified design conflicts, accessibility concerns, and coordination issues between structural, mechanical, and electrical systems, which I resolved prior to construction to minimize change orders and delays.

I also facilitated pre- and post-construction conferences with project stakeholders, approved design submittals, and provided technical oversight during equipment installation and testing to ensure systems met performance and safety requirements. Throughout project execution, I applied engineering knowledge in construction methods, contract requirements, and facility systems to deliver reliable, code-compliant, and mission-ready infrastructure in support of Navy operations.



### REPRESENTATIVE PROJECTS

#### Demolition Of Building K-4 and Addition to Building 421

Aug 2016 – Jan 2017

I led the demolition of the K4 Building and design of a 650 SF truck bay addition for pesticide application equipment. The scope included a sloped concrete slab with containment curbs, floor drain, and hose bib for fluid control; structural steel framing with metal deck roofing to match existing conditions; and Miami-Dade NOA hurricane-rated louvers for weather protection. My role required applying engineering judgment in fluid handling, structural design, and MEP integration to deliver a code-compliant, durable facility.

#### Multi Roof Repair Project

Dec 2016 – Apr 2017

Oversaw roof repair and replacement across multiple facilities, including assessment of existing roof conditions, selection of repair materials, and review of contractor repair methods. Verified adherence to manufacturer specifications, local building codes, and structural requirements. Conducted quality inspections, coordinated sequencing to minimize operational disruption, and ensured proper drainage, flashing, and waterproofing. Applied engineering judgment to evaluate contractor proposals, approve construction methods, and confirm repairs met long-term durability and safety standards.

#### Window Repairs Lakeside Billeting

Mar 2017 – Aug 2017

I managed a building envelope repair project involving removal and disposal of existing joint sealants, caulking, and backer rod from exterior window frames and louvers, in compliance with local, state, and federal regulations. Work included surface

preparation to ensure proper adhesion and installation of new backer rod and joint sealants on all exterior window frames, filler spacers, and six louvers, with color matched to existing frames.

#### Upgrades to Fire Alarms Panels in Lakeside Buildings A & B

Jan 2017 - May 2017

Oversaw design completion and construction of new and modified fire alarm and mass notification systems across multiple dormitories, a fire station, and a warehouse/EOC shelter. Reviewed contractor drawings and submittals for NFPA 72, NFPA 170, ISO 7240-16, and IEC 60268-16 compliance. Verified device layouts, conduit routing, and circuit coordination, and conducted quality inspections and witness testing to ensure operational readiness. All design and system approvals were finalized by the Fire Protection Engineer.

#### Building 463 Boiler Repairs

Jun 2018 – Dec 2018

Oversaw installation of a new vent stack from the existing boiler through the roof, including proper flashing, sealing, and structural support per manufacturer instructions. Verified installation of a vent cap, drain port, and protective cover, ensuring safe venting and compliance with operational requirements. Directed installation of an emergency shut-off switch, high-pressure gas switch, and manual-reset high-temperature limit switch to meet O&M instructions and safety standards. Coordinated venting of the gas regulator away from the boiler, confirming routing and installation met code and manufacturer specifications.

#### NCBC Battalion HQ Renovations

Jan 2018 – July 2019

Administered design and construction of roof repairs and space reconfigurations. Reviewed and coordinated mechanical, plumbing, and fire protection systems to ensure efficient heating, cooling, and fluid distribution throughout the facilities. Evaluated fire protection design submittals and calculations, verifying compliance with codes and system integration; all final approvals were completed by the Fire Protection Engineer (FPE). Applied engineering judgment to evaluate contractor proposals, confirm system integration, and verify long-term operational efficiency and reliability.

#### Keesler AFB Main Entrance Design Development

Dec 2017- Jul 2019

I participated in the design development of a new Commercial Vehicle Inspection Facility at Keesler AFB, including the facility, site work, utilities, stormwater management, antiterrorism force protection features, parking, and lighting. My work involved coordinating design elements with a concurrent city funded roadway project and incorporating future planned projects such as an entry gate inspection area, roadway extension with security features, and a visitor control center into design decisions. I supported charrette discussions, contributed to the 15 percent design review, and evaluated site, utility, and security integration to ensure a complete, code compliant, and constructible facility design.

# BRIAN DOUGLAS (15-378-35)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

NAVAL FACILITIES ENGINEERING  
SYSTEMS COMMAND MARIANAS,  
NAVAL BASE GUAM, Guam  
Guam (Guam)  
Public Works Production Division  
Director  
August 2019—July 2022

Verified by  
**Jeremy Bryan Gates**  
jeremy.b.gates.mil@usmc.mil

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



### TASKS

Naval Facilities Engineering Systems Command Marianas, Guam  
Assistant Operations Officer (2019–2020)

- Supported operations oversight to improve delivery of NAVFAC Marianas products and services by increasing process efficiency, reducing delays, and improving coordination across departments.
- Tracked and coordinated 28 Military Construction projects valued at \$1.3B across the region, ensuring field offices maintained current risk registers, change management plans, and stakeholder agreements.
- Applied project management and engineering principles to monitor scope, schedule, and cost risks, aligning execution with NAVFAC standards and updated program management practices.
- Facilitated coordination among contracting, engineering, and construction offices to maintain accountability, resolve issues, and ensure compliance with project requirements.

Naval Facilities Engineering Systems Command Marianas, Naval Base Guam  
Public Works Production Division Director (2020–2022)

- Directed a division of 9 military and 30 civilian personnel across utilities, transportation, and facility sustainment departments supporting Naval Base Guam.
- Oversaw planning, development, and execution of construction and repair projects valued at over \$20M, including upgrades to critical base infrastructure and utility systems.
- Led multi-phase testing of the installation's 20MW power plant to evaluate capacity, switching sequences, and system reliability. Developed switching orders and validated operational contingencies to ensure uninterrupted power to mission-critical facilities, directly contributing to improved base resiliency and energy security.
- Applied engineering judgment in utilities operations, facility sustainment, and project development, ensuring compliance with Department of Defense standards, Unified Facilities Criteria, and industry codes.



### REPRESENTATIVE PROJECTS

Assistant Operations Officer, Aug 2019- Apr 2020:

- Tinian Pipeline ESS (Project P9010): Collaborated with NFP Project Manager and Design Manager to define project milestones for the Plan of Action & Milestones (POA&M). Assisted in production of the Site Assessment and Evaluation Summary (SAES) and coordinated with the MEC Program Manager to integrate lessons learned from prior assessments. Researched valve hook-up locations based on 60% design drawings and provided engineering analysis and recommendations to NFM and JRM for system integration.
- Future Sustainability Study (FSS) – COR Duties: Oversaw technical execution of a \$702k engineering study with Jacob Engineering. Streamlined deliverables and review processes to meet deadlines while ensuring compliance with funding requirements and technical specifications. Reviewed funding documents and coordinated with Public Works and Facilities Management to validate availability of resources to complete the project post-fiscal year.
- Premature Failing Facilities (PFF) Mitigation: Coordinated with NBG and 36 CES to complete CBMM (Condition-Based Maintenance Management) training and documented contractor training results. Applied engineering judgment to improve equipment lifecycle management at JRM, ensuring more reliable system performance and extended operational lifespan.

Production Officer Guam:

Apr 2020 – Sep 2020 Multi-Phase Switching Plan Testing

Review and executed the multi-phase test plan for the 20 MW power plant. I coordinated with distribution engineers and operations staff to validate system capability and resiliency. Tasks included preparing switching orders, modeling load scenarios, and assessing contingency operations to protect mission-critical assets.

#### 2020 – 2022 HVAC Replacement Projects

For HVAC projects, I reviewed contractor load calculations, verified designs against ASHRAE standards, and ensured appropriate equipment selection. I evaluated lifecycle costs, energy efficiency, and capacity requirements, coordinating closely with electrical teams to confirm motor loads and feeder capacities.

Prepared comprehensive HVAC project packages for contractor execution, including:

- Replacement of 5-ton packaged AC unit at NM900 Ordnance
- Replacement of 20-ton split ducted AC unit and 9K mini split at MB368
- Replacement of 10-ton packaged AC unit at CC529 1NCD
- Replacement of 15-ton packaged rooftop unit at MB282 NEX Wendy's
- Replacement of 25-ton packaged AC unit at CC556A
- Purchase and replacement of two 100-ton portable chillers at MB21 JRM
- Replacement of two 40-ton packaged AC units at MB256 NEX Home Gallery
- Replacement of 50-ton packaged AC unit at MB4177
- Replacement of two 70-ton chillers at MB3000
- Replacement of 60-ton air-cooled chiller at NM401
- Replacement of 25-ton packaged AC unit at NM740
- Rerouting of main drain line and relocation of condenser coil at MB3000
- Replacement of 12.5-ton packaged AC unit at MB257

In addition, I developed scopes and engineering concepts for \$20M in utility and facility upgrades, including water distribution and energy resilience improvements. I analyzed system hydraulics, pipe materials, and pump configurations, recommending solutions that balanced technical performance with long-term sustainment. These projects advanced to full design and execution based on my engineering assessments.

#### 2020 – 2022 Apra Harbor – US Vessel Ship Support

I directed husbanding operations for all visiting vessels, including the delivery of potable water, collection and treatment coordination for CHT (sewage), generator and BOWTS (Berthing & Office Work Trailer System) support, crane services, and solid waste removal. These activities required planning and oversight of complex utility connections, ensuring proper flow rates, pump sizing, and system integrity while maintaining compliance with EPA and Navy environmental regulations.

#### 2020 – 2022 Orote Power Plant Mufflers Replacement

Orote Power Plant Stack Removal Project: Applied engineering judgment to oversee removal, inspection, repair, and reinstallation of critical exhaust stacks. Evaluated structural integrity using visual and non-destructive testing, reviewed repair methods for welds, liner sleeves, and reinforcement plates, and provided technical direction for crane-supported lifting and alignment. Assessed constructability, developed work sequencing, coordinated subcontractors, and ensured compliance with federal, military, and industry codes. Restored system functionality, reliability, and durability while applying engineering principles to resolve technical challenges throughout the project lifecycle.

BRIAN DOUGLAS (15-378-35)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Purdue University - Graduate School  
Indiana (United States)  
Student  
August 2022—August 2023

Verified by

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



DESCRIPTION

WORK EXPERIENCE

Naval Construction Group TWO

Mississippi (United States)

N5 Department Head - Plans and Doctrine Officer

August 2023—April 2025

Verified by

Constance Lynne Solina

Constancesolina@gmail.com

Experience Summary

Full-Time

Engineering: 1 year, 8 months

Post EAC degree: 1 year, 8 months

Experience under licensed engineer: 1 year, 8 months



TASKS

I served as the Plans and Doctrine Officer for nine Atlantic Naval Construction Group (NCG) Echelon V and VI commands, responsible for developing, revising, and implementing strategy and doctrine. Additionally, I was the Deputy Logistics Officer, overseeing the readiness, equipping, and training of NCG 2 and its nine subordinate commands operating across five combatant commander areas of responsibility. I provided logistical support, managed personnel, trained and equipped Naval Construction Force (NCF) units for global deployment, and exercised command and control over Active and Reserve Atlantic NCF Echelon V and VI commands, totaling 4,550 service members.



REPRESENTATIVE PROJECTS

Reviewed and validated over 25 Navy and Joint publications, ensuring technical accuracy and compliance with updated operational standards and doctrinal guidance. Re-established critical coordination with Naval Construction Group 1 (NCG 1) and Naval Expeditionary Warfare Development Center (NEXWDC) to lead comprehensive Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, Facilities, and Policy (DOTMLPF-P) analyses and validations for Expeditionary Port Damage Repair (EX-PDRO), Expeditionary Airfield Damage Repair (EX-ADR), and operational tactical memorandums (TACMEMOs). Supported the execution Atlantic Alliance exercises, integrating advanced Naval Construction Force (NCF) operational capabilities with Joint Warfighting Concept 3.0 frameworks and the Chief of Naval Operations' strategic directives to enhance global expeditionary construction and sustainment operations. In addition, I conducted Subject Matter Expert (SME) reviews, revisions, and validations across the Navy and Joint Force to ensure alignment with Operational Plans (OPLANs) and national security strategies.

I updated Battle-Evaluation criteria to enhance objective construction performance, incorporating innovative approaches to doctrine development approval. I developed organizational structures, Mission Function Tasks (MFTs), and instructions to enable the establishment of the Training Evaluation Unit (TEU), positioning Construction Battalion Maintenance Unit (CBMU) 202 to lead the formation of the new unit. I researched and implemented strategies to drive Initial Operational Capability (IOC) by 2026, focusing on the integration of engineering capabilities within the TEU framework. Throughout this project, I applied engineering principles to develop and refine operational strategies and structures, ensuring technical feasibility and alignment with military objectives. I led cross-functional teams in the execution of complex projects, demonstrating strong leadership and coordination skills to achieve project milestones. I produced and reviewed technical documents, including organizational structures and operational plans, ensuring clarity and compliance with engineering standards.

Led the Rota Operational Planning Team (OPT) to develop an \$11 million Table of Allowance (TOA) management contract strategy to sustain Construction Equipment and Support Equipment (CESE). Orchestrated critical CESE asset movements to optimize maritime engineering campaigns and enhance crisis response capabilities. Evaluated contracts including the Worldwide Expeditionary Multiple Award Contract (WEXMAC), Army Logistics Civil Augmentation Program (LOGCAP), and Naval Facilities Engineering Systems Command Expeditionary Warfare Center (NAVFAC EXWC), integrating their capabilities to close sustainment gaps and maximize cost efficiency.



WORK EXPERIENCE

Marine Logistics Base Albany  
Georgia (United States)  
Installation and Facilities Director/Public  
Works Officer  
May 2025—October 2025

Verified by  
Brian Douglas (Self)

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

TASKS

I serve as the Senior Facilities and Infrastructure Director for Marine Corps Logistics Base Albany, responsible for planning, operating, maintaining, and sustaining all base utilities, facilities, and energy systems. Leads a multidisciplinary team of engineers, technicians, and maintenance personnel to ensure mission readiness, energy resilience, and environmental compliance across the installation.

REPRESENTATIVE PROJECTS

I oversee the operation of MCLB Albany’s innovative net zero energy systems, which include an 8.5 MW biomass steam turbine generator, a 1.9 MW landfill gas-to-energy combined heat and power (CHP) plant, and a 31 MW solar photovoltaic (PV) facility. I manage the integration of these renewable sources with traditional electrical infrastructure to ensure uninterrupted base power and grid stability. I coordinate with federal, state, and private energy partners to optimize system efficiency, reliability, and cost savings.

I direct utility operations across the installation, including electrical distribution, water, wastewater, HVAC, and steam systems. I implement energy conservation measures and oversee major infrastructure projects such as borehole thermal energy storage (BTES), facility modernization, and emergency power generation programs. I ensure full compliance with DoD, NAVFAC, and environmental regulations in all facility and utility operations.

I provide executive-level direction for construction management, energy resilience, and environmental compliance programs throughout the installation. I advise base leadership on capital investment priorities, infrastructure risk, and project readiness to support operational sustainability and mission assurance. I maintain MCLB Albany’s distinction as the first Department of Defense installation to achieve Net Zero energy status, reinforcing Marine Corps leadership in sustainable base operations and long-term energy resilience.

# LETTER OF EXPLANATION

## SELF-VERIFICATION

**Work Experience**

Naval Facilities Engineering Systems  
Command Southwest, Naval Air  
Weapons Stations China Lake  
Aug. 2014 — Jun. 2016

**Verifier**

Brian Douglas (Self)

**Verification Date**

10/07/2025 10:35am EDT



## EXPLANATION

I have accumulated the required years of successful experience to qualify for my PE. If necessary, I can also reach out to my previous supervisor for support.

# LETTER OF EXPLANATION

## SELF-VERIFICATION

<b>Work Experience</b> NAVAL MOBILE CONSTRUCTION BATTALION FOUR (NMCB 4), Port Hueneme, CALIFORNIA Jan. 2013 — Jul. 2014	<b>Verifier</b> Brian Douglas (Self)	<b>Verification Date</b> 09/24/2025 07:08pm EDT
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## EXPLANATION

This work was performed under the supervision of a licensed engineer; however, it was completed many years ago. My supervisors have since retired, and I have not maintained contact with them. I will make every effort to reach out if verification becomes necessary.

# LETTER OF EXPLANATION

## SELF-VERIFICATION

**Work Experience**

Marine Logistics Base Albany  
May. 2025 — Oct. 2025

**Verifier**

Brian Douglas (Self)

**Verification Date**

10/07/2025 09:24pm EDT



## EXPLANATION

I have over four years of documented experience. If needed, I can coordinate with a PE to verify and sign off.

# MINA FOUAD (24-572-74)

All work experience reviewed by two licensed professionals

DISCIPLINE: MECHANICAL

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/08/2025**

*Citizenship*  
**Canada**

## SUMMARY







*Engineering Experience after EAC degree*


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

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

*Disciplinary Action*  
**None reported**




## EDUCATION



*Meets NCEES Engineering Education Standard*

*Bachelors in Mechanical Engineering*  
**University of Waterloo**  
**September 2007–June 2013**

## EXAMS



*Fundamentals of Engineering (FE)*  
**Nevada**  
**March 2025**

*Principles and Practice of Engineering (PE)*  
**Mechanical**  
**Nevada**  
**September 2025**

## LICENSES



*Additional Licenses*  
**None**

## WORK EXPERIENCE

*Patient Care Automation Services*  
*Ontario (Canada)*  
*Mechanical Engineer Intern*  
**May 2008—August 2008**

*Verified by*  
**Mina Fouad (Self)**

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



### TASKS

As a Mechanical Engineer Intern, I supported the design, assembly, and optimization of pharmaceutical dispensing kiosks in a fast-paced startup environment. My primary engineering responsibilities involved designing mechanical components using SolidWorks, evaluating the manufacturability and reliability of each sub-assembly, and integrating them into the larger kiosk system.

I was responsible for planning and analyzing the production floor layout to improve workflow, reduce lead times, and increase assembly efficiency. I collaborated directly with engineers and production staff to align component tolerances and mechanical fits for consistent manufacturing performance.

This role involved roughly 90% engineering-related work, with the remaining 10% spent on hands-on prototyping and production support.



### REPRESENTATIVE PROJECTS

One of the key projects I contributed to involved enhancing the mechanical design of an X-Y gantry robot system used in an automated pharmaceutical dispensing kiosk. I was responsible for iterating on the mechanical structure to improve repeatability, accuracy, and reliability of the pick-and-place operation for medication containers.

A major design challenge was the lack of consistency in drug pick accuracy due to misalignments caused by bin deflection and minor shifts in the bin holders over repeated cycles. To address this, I worked on reinforcing the mechanical structure of the bin support frame and introduced the concept of magnetic solenoid latching mechanisms that would lock the inventory bins into a consistent home position when idle. This allowed for reliable positional repeatability and ensured that the robot's end effector could engage the correct bin location every cycle without software compensation.

I also redesigned critical mounting and interface points between the robot and the kiosk enclosure using SolidWorks, applying GD&T principles to ensure proper alignment and assembly tolerances. Through this project, I learned to apply core mechanical engineering principles to real-world problems involving robotic kinematics, material selection, and tolerance stack-ups.

This work contributed to increased system reliability and set a foundation for improved robotic sequence programming and reduced pick failure rates. I was also involved in prototyping and manually testing bin engagement/disengagement under various payload conditions to validate the solenoid strength and positional holding capability.

## WORK EXPERIENCE

*Babcock & Wilcox Canada LTD.*  
*Ontario (Canada)*  
*Manufacturing Engineer - Intern*  
**January 2011 – April 2011**

*Verified by*  
**Keirouz Diab**  
kadiab@bwxt.com

*Experience Summary*  
**Full-Time**  
**Engineering: 3 months**  
**Experience under licensed engineer:**  
**3 months**



### TASKS

Position: Manufacturing Engineer - Intern  
Location: Cambridge, Ontario, Canada  
Department: Manufacturing Engineering  
Dates: January 2011 – April 2011

I worked as a Manufacturing Engineer Intern in the pressure vessel fabrication division. I performed engineering calculations related to stress, deflection, and shear to evaluate the structural integrity of custom hoisting and fixture tooling used for lifting pressure vessel subassemblies. I used SolidWorks to create 3D models and conducted Finite Element Analysis (FEA) simulations to validate these designs under static and dynamic loading conditions. I also developed technical procedures, evaluated metrology systems, and collaborated with tradespeople to implement an R&D laser alignment system that improved manufacturing accuracy.



### REPRESENTATIVE PROJECTS

Project: Laser Alignment System for Baffle Plate Assembly  
Location: Cambridge, Ontario, Canada  
Structure Type: Pressure Vessels  
Dates of Involvement: January 2011 – April 2011

I led an R&D initiative to implement a laser-based alignment system for the assembly of baffle plates within large steam boilers. I evaluated traditional alignment methods and identified precision gaps that could be improved with non-contact laser measurement tools. I selected appropriate laser metrology hardware, developed alignment procedures, and coordinated vendor demonstrations. I authored the validation plan, defined tolerancing criteria, and tested the new system on the shop floor. I also trained operators on its usage and ensured integration into the production workflow. My work significantly reduced alignment time and improved overall manufacturing accuracy.

Project: Custom Hoist Tooling Design for Vessel Subassemblies  
Location: Cambridge, Ontario, Canada  
Structure Type: Pressure Vessel Subcomponents (~10 metric tons)  
Dates of Involvement: January 2011 – April 2011

I designed custom hoist tooling used for lifting heavy vessel subassemblies during fabrication. I performed hand calculations to assess stress, shear, and deflection for structural members subjected to both static and dynamic loads. I applied mechanical engineering principles such as factor of safety, load path analysis, and material selection to ensure the structural integrity and safe operation of lifting fixtures. I used SolidWorks to model all components and performed FEA to simulate stress distributions and verify the design under expected operating conditions. I also generated detailed documentation including safe operating procedures and load certification reports.

## WORK EXPERIENCE

Baylis Medical Inc.  
Ontario (Canada)  
Assistant R&D Engineer  
September 2011 – December 2011

Verified by  
**Kris Shah**  
kshah@baylismedtech.com

Experience Summary  
**Full-Time**  
**Engineering: 3 months**  
**Experience under licensed engineer:**  
**3 months**



### TASKS

Role: Assistant R&D Engineer  
Location: Mississauga, Ontario, Canada  
Department: Cardiology and Radiology R&D  
Dates of Involvement: September 2011 – December 2011

I worked as an Assistant R&D Engineer in the Cardiology and Radiology departments, supporting the development of medical devices from concept through early validation. I created detailed CAD models and engineering drawings using SolidWorks, and I developed and executed test plans to evaluate device performance under simulated use conditions. I selected materials that were both biocompatible and mechanically suitable for the application, and I analyzed test data to refine design criteria. I also contributed to documentation for verification and validation activities in accordance with ISO standards and collaborated with external vendors during the prototyping phase.



### REPRESENTATIVE PROJECTS

Project: Cardiology Device Prototyping and Bench Testing  
Location: Mississauga, Ontario, Canada  
Structure Type: Interventional Cardiology Medical Device  
Dates of Involvement: September 2011 – December 2011

I created SolidWorks CAD models of an early-stage cardiology device intended for minimally invasive procedures. I iterated designs based on feedback from design reviews and engineering testing. I developed bench test setups to simulate physiological conditions and evaluated prototype performance under axial and bending loads. I selected and procured prototype materials that met both mechanical and biocompatibility requirements and led testing activities to evaluate structural integrity, flexibility, and delivery system compatibility. I analyzed competitor device performance to establish internal benchmarks.

Project: Design Verification and Regulatory Submission Support  
Location: Mississauga, Ontario, Canada  
Structure Type: Radiology and Cardiology Devices (Various)  
Dates of Involvement: September 2011 – December 2011

I contributed to the development of the design verification and validation (V&V) plan for new medical devices under development. I authored validation protocols and collected and analyzed data to confirm design outputs met intended use. I documented all testing procedures and outcomes in alignment with ISO and regulatory guidelines. I presented findings to the VP of Engineering and recommended design modifications based on test results. These documents were incorporated into the company's regulatory submission package, directly supporting product safety and efficacy claims.



## WORK EXPERIENCE

Linamar Corporation  
Ontario (Canada)  
Junior Process Engineer  
May 2013—December 2014

Verified by  
**Sanjiv Malhotra**  
sanjiv.malhotra@linamar.com

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



### TASKS

I worked as a Junior Process Engineer on high-volume gear machining lines producing output shafts for Ford's rear-drive transmission. My responsibilities included optimizing machining processes, reducing quality defects, and improving equipment performance through technical evaluations and hands-on engineering.

I led several improvement initiatives using data-driven root cause analysis and cross-functional collaboration. One key responsibility involved redesigning part of a gear shaping machine to reduce gear whine, addressing NVH (Noise, Vibration, Harshness) concerns flagged during vehicle testing. I collaborated with Ford's NVH SMEs to align process variables and machine parameters with noise targets.

In another major initiative, I led part of a 30% capacity increase through capital equipment upgrades, layout changes, and improved part flow. I also reduced scrap from 12% to 3% by redesigning tooling and implementing SPC.

My duties involved technical liaison with Ford's product and quality teams, equipment vendors, and internal departments. I also designed robotic and machine tooling, incorporating GD&T and running FEA simulations to validate strength and stiffness under operational loads.

Percentage of Engineering Work: 100%



### REPRESENTATIVE PROJECTS

Project: Gear Shaper NVH Optimization

I was responsible for improving the performance of a critical gear shaping operation contributing to high-frequency gear whine in Ford's rear-drive transmission. I partnered with Ford's NVH specialists to evaluate in-vehicle feedback and isolate potential sources on our production line.

After a detailed vibration analysis and tooling assessment, I modified machine portions of the CNC system (C-axis re-design) and adjusted process timing and tooling. These changes reduced tonal noise and brought gear signature within acceptable NVH limits on the machines that received the upgrade.

This project required deep cross-functional collaboration and demonstrated my ability to bridge product testing feedback with manufacturing changes.

Project: Scrap Reduction for Output Shaft Line

I led a process improvement project to reduce scrap from 12% to 3% on the output shaft machining line. I performed data analysis and conducted structured problem solving (5 Whys, Fishbone) to identify tool wear, misalignment, and process instability. I redesigned tooling, improved maintenance standards, and implemented SPC.

Project: Capacity Uplift & Facility Layout Optimization

To support a production volume increase, I led par of a 30% capacity uplift. I managed equipment selection, performed time studies, and created a new facility layout to improve flow and throughput. This required balancing space constraints, part travel, and staffing efficiency. My new layout was implemented with minimal disruption to current operations.

Project: Tooling Design and Validation

I developed robotic and machine tooling using SolidWorks and applied GD&T to ensure precision fixturing. I used FEA to simulate operational loads and validate tool performance. These tools were deployed in production and contributed to process robustness and reduced variation.

These projects demonstrate engineering judgment, progressive responsibility, and coordination with internal and external stakeholders to meet quality and cost goals.

## WORK EXPERIENCE

Ford Motor Company  
Michigan (United States)  
Engineering Specialist - Process  
January 2015—February 2017

Verified by  
**Kimberly Ann Van Vliet**  
kvanvli1@ford.com

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



### TASKS

Role: Engineering Specialist - Process  
Location: Livonia, Michigan (Ford Plant)  
Department: Production/Manufacturing Engineering  
Dates: January 2015 – February 2017

I worked as a Process Engineering Specialist supporting the launch and validation of machining systems for a new \$1B front-drive transmission program. I led machine runoff trials at domestic and international supplier sites to ensure equipment met Ford’s quality, dimensional, and process capability standards. I analyzed runtime data using statistical tools such as Cp/Cpk to assess and validate machine performance. I performed root cause analysis when issues occurred and implemented long-term engineering solutions. I reviewed product designs to recommend improvements for manufacturability and collaborated with cross-functional teams to align design, production, and quality needs. I also trained production operators and developed PFMEAs, control plans, and process documentation in accordance with Ford’s launch protocols.



### REPRESENTATIVE PROJECTS

Project: Transmission Line Equipment Commissioning & Validation  
Location: Livonia, Michigan (Ford Plant)  
Structure Type: High-Volume Automated Gear Machining Line  
Dates of Involvement: January 2015 – February 2017

I led the factory acceptance and validation of multiple automated machining systems for a high-volume transmission line. I conducted equipment runoff trials at supplier locations, performing capability studies (Cp/Cpk), dimensional checks, and runtime simulations. At one supplier, I qualified a multi-station gear grinding machine where I identified excessive scrap due to tolerance drift. I analyzed runtime data, diagnosed a tooling misalignment, and redesigned the tool holding and setup process. My corrective action reduced scrap by 60% and increased machine uptime by 30%. After acceptance, I oversaw installation and commissioning at the Ford facility and trained production staff on machine operation, troubleshooting, and safety protocols.

Project: Design for Manufacturability (DFM) Collaboration  
Location: Livonia, Michigan, USA  
Structure Type: Front-Drive Transmission Components  
Dates of Involvement: January 2015 – February 2017

I collaborated with Ford’s design engineering team to optimize component designs for manufacturability. I reviewed 3D CAD models and 2D drawings and evaluated GD&T callouts to ensure machining feasibility and inspection robustness. I recommended modifying the chamfer tolerance, which extended tool life and reduced cycle time by 10%. My work directly contributed to reducing production risk and improving process efficiency during program launch.

## WORK EXPERIENCE

*Tesla, Inc.*  
*Nevada (United States)*  
*Production Engineering Manager*  
**February 2017—February 2022**

*Verified by*  
**Michael Bowling**  
 mike.bowling1@gmail.com

*Experience Summary*  
**Full-Time**  
**Engineering: 5 years**  
**Experience under licensed engineer: 5 years**



### TASKS

#### Process Engineer (2017):

I developed and implemented early-stage production processes for the Model 3 battery pack by setting up the C-sample prototype assembly line. I created and integrated MES functionality and logic for part traceability, error-proofing, and data capture. I worked hands-on with cross-functional teams to define the assembly sequence, process parameters, and quality checks needed to meet product specifications.

#### Senior Process Engineer (2017–2018):

I focused on scaling high-throughput production systems and resolving chronic downtime issues across automated battery pack line. I led multiple improvement projects that utilized SPC and DOE techniques to identify and mitigate equipment-related performance losses. I collaborated with automation, controls, and quality engineering teams to optimize process timing, reduce faults, and improve upstream process consistency. I also trained junior engineers on fault isolation, ladder logic navigation, and production issue escalation workflows.

#### Associate Manager (2018–2021):

I managed a team of process and equipment engineers for both battery pack lines which scaled to multiple lines. I coached engineers through structured problem-solving efforts, conducted technical reviews, and led continuous improvement initiatives. I reviewed design packages and engineering change orders to assess manufacturability and process risk. I implemented training programs and career development frameworks for engineering staff, while ensuring delivery of uptime, quality, and safety goals. I also supported capacity increases through installation oversight and validation of new automation equipment.

#### Production Engineering Manager (2021–2022):

I led production engineering activities across several Model 3/Y battery module lines, focusing on system-wide performance optimization, safety, and new equipment launches. I led cross-functional initiatives with maintenance, design, and operations to improve line reliability and accelerate ramp-up timelines. I made design decisions on tooling, reviewed control logic for automation changes, and led validation of design revisions. I built and maintained engineering documentation standards and performance metrics to drive accountability and transparency across the department.



### REPRESENTATIVE PROJECTS

**Project:** MES and Traceability Architecture for Battery Pack Line  
**Scope:** Design and deployment of traceability and error-proofing systems  
**Location:** Reno, Nevada  
**Structure Type:** Model 3 Battery Pack Production Line  
**Dates of Involvement:** 2017 – 2018

I designed and programmed MES logic that integrated with PLC-level sensors to track battery pack assembly across multiple stations. I created fault-handling sequences, product serialization flows, and automated inspection result logging. I implemented Python-based scripts to aggregate station-level process data for use in defect correlation analysis. My work enabled full traceability from raw materials to final pack, supporting both quality assurance and regulatory compliance.

**Project:** Downtime Reduction and Automation Optimization for Pack Line  
**Scope:** Improve line uptime and equipment availability  
**Location:** Reno, Nevada  
**Structure Type:** Model 3/Y Battery Pack Assembly Line  
**Dates of Involvement:** 2018 – 2020

I analyzed historical fault logs and conducted time studies to identify bottlenecks on the automated pack assembly line. I coordinated with controls engineers to reprogram conveyor logic and interlock behavior that previously caused cascading faults. I performed statistical root cause analysis using JMP and Excel and led 8D corrective action reviews. My efforts resulted in sustained OEE increases and significantly reduced fault recovery time. I also addressed end-of-arm tooling mechanical reliability issues and implemented design improvements to reduce downtime from repeat mechanical failures.

Project: Engineering Development Program and Knowledge Systems

Scope: Team development and technical capability building

Location: Reno, Nevada

Structure Type: Pack and Module Production Engineering Teams

Dates of Involvement: 2019 – 2021

I created and deployed a structured training program for process and equipment engineers on my team, including custom courses on SQL querying, Python scripting and execution, PLC fault ladder interpretation, DOE methodology, and statistical process control (SPC). I managed career progression for engineering roles and implemented a mentorship system to foster individual growth. I also created standardized documentation templates and implemented design review checklists to improve consistency and decision traceability across the team. My work enhanced onboarding efficiency and elevated engineering capability department-wide.

Project: Module Line Capacity Expansion

Scope: Deploy additional automation to increase throughput

Location: Reno, Nevada

Structure Type: Model 3/Y Battery Module Line

Dates of Involvement: 2020 – 2021

I led production engineering support for the addition of new automation stations in bottleneck areas of the Model 3/Y battery module line. I reviewed equipment layouts, validated mechanical and electrical integration constraints, and coordinated with safety and quality teams for commissioning. I tested and tuned process parameters to ensure operational stability and supported MES integration for real-time data tracking. My contributions helped achieve targeted capacity increases while maintaining quality and safety metrics.

Project: Novel Process Development for Product Recovery

Scope: Develop a new product recovery process for cost savings

Location: Reno, Nevada

Structure Type: Model 3/Y Battery Module Line

Dates of Involvement: 2020 – 2022

I led the development of a novel recovery process for reclaiming components previously considered one-time-use due to minor handling damage. I designed specialized recovery tools in SolidWorks, conducted hands-on prototyping, and ran lab-scale trials involving mechanical rework and chemical surface prep. I qualified laser reprocessing parameters and validated the performance of recovered components through durability and reliability testing. This work enabled potential cost savings through re-use of high-value module components while meeting quality standards.

WORK EXPERIENCE

Tesla, Inc.  
Nevada (United States)  
Sr. Manager – Operations & Production Engineering  
February 2022–April 2025

Verified by  
Hrushikesh Sagar  
hsagar@tesla.com

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



TASKS

Senior Manager – Operations & Production Engineering, Battery (2022–2023):  
I led a team of over 800 staff members across battery operations, maintenance, and production engineering. I provided strategic and technical direction to ensure the team met build plans, safety goals, and key business metrics. I reviewed and approved engineering design packages, oversaw line capacity expansions, and led the deployment of automation improvements for throughput and quality. I also implemented SPARC-aligned initiatives (Safety, People, Accuracy, Rate, Cost), with a focus on deploying scalable continuous improvement systems across the department.

Senior Powertrain Engineering Leader – Battery & Drive Unit (2023–2024):  
I served as a senior leader for battery and drive unit production engineering, managing a technical team of over 350 people and overseeing the delivery of multi-million-dollar capital projects. I provided plant-wide engineering support for high-impact initiatives, led the commissioning of three new manufacturing lines (~\$20MM), and ensured new product variants were successfully launched into mass production. I reviewed project timelines and budgets with executive leadership and developed technical strategies to standardize best practices across Tesla's global sites.

Sr. Manager – Operations & Production Engineering, Drive Unit (2024–2025):  
I led operational and engineering activities for the Drive Unit business unit, serving over 1,500 employees. I established and executed strategic roadmaps for line expansion, safety enhancements, automation deployments, and quality system upgrades. I managed KPI targets for safety, OEE, and cost per unit while leading the department to record low scrap levels. I built a strong engineering culture through technical mentoring, technical ladder development, and alignment of production goals with career growth for both engineers and front-line leaders.



REPRESENTATIVE PROJECTS

Project: Module Line Legacy Equipment Removal and Replacement  
Scope: Oversee demolition of legacy lines and installation of new equipment  
Location: Reno, Nevada  
Structure Type: Model 3/Y Battery Module Line  
Dates of Involvement: 2023 – 2024

I executed the removal of three legacy automation lines and coordinated the installation of over \$20 million in capital equipment to support next-generation battery module production. I reviewed engineering demolition plans, validated safety and structural risk assessments, and ensured alignment with new line layouts and utility constraints. I led cross-functional reviews with engineering, facilities, and safety teams to confirm timeline feasibility and minimize disruption to adjacent operations. My leadership ensured a smooth transition from legacy to high-efficiency automation without impacting production delivery targets.

Project: Drive Unit Line Automation & Capacity Expansion  
Scope: Design and deployment of new high-speed automation for Drive Unit production  
Location: Reno, Nevada  
Structure Type: Model 3/Y Drive Unit Line  
Dates of Involvement: 2024 – 2024

I led the design review and approval process for a new high-speed automation cell within the Drive Unit line, featuring a collaborative robot (co-bot) system for automated fastening. I reviewed and approved mechanical layouts, control architecture, and safety interlocks. I provided technical recommendations to reduce labor headcount while maintaining production rate targets. I presented the automation plan, including ROI projections, to executive leadership to secure capital budget approval. This solution aligned with business goals for cost-per-unit reduction and production flexibility.

Project: Deployment of Kubernetes-Based Data Infrastructure  
Scope: Implementation of scalable, real-time data collection and deployment system  
Location: Reno, Nevada  
Structure Type: Powertrain Production Network Infrastructure  
Dates of Involvement: 2022 – 2025

I architected and deployed a Kubernetes (K8s)-based infrastructure to support real-time data acquisition and visualization across multiple powertrain production lines. I configured Jenkins CI/CD pipelines to automate application deployment and authored Dockerized packages for scalable backend services. I developed MySQL database schemas to handle traceability and process performance data, and integrated them with front-end dashboards. I trained engineering teams on using Git workflows and containerized environments for debugging and deployment. This infrastructure significantly improved data reliability, transparency, and decision-making speed on the production floor.

Project: Module Configuration Line Design and Expedited Delivery  
Scope: Oversee line design from initial request through approval, budgeting, and detailed engineering  
Location: Reno, Nevada  
Structure Type: Model 3/Y Battery Module Line  
Dates of Involvement: 2023 – 2024

In response to an executive-level request to alleviate a key production bottleneck, I led the design and machine acquisition phase of a new module configuration line with a six-month delivery target. I translated the initial ask into a technically viable concept, defined the process requirements, and coordinated cross-functional reviews to finalize the proposed solution. I secured budget approval by presenting a cost-benefit analysis to leadership and led project planning efforts including resource allocation, timeline creation, and sourcing strategies. I managed line design reviews and approvals from concept to detailed, ensured acquisition of capital equipment across internal and external suppliers, and kept the project on track for production readiness. My leadership enabled rapid deployment of critical capacity, directly supporting the organization's throughput goals.

Project: Power Electronics Line Launch  
Scope: Launch a new product and production line within the factory  
Location: Reno, Nevada  
Structure Type: Model 3/Y Battery Power Electronics  
Dates of Involvement: 2025 – 2025

I am leading the hands-on engineering work for the launch of a new power electronics manufacturing line at the Reno facility. Working closely with manufacturing and controls engineering teams, I am personally developing the end-to-end process architecture, including station process flows, and MES logic for traceability and data capture. I am designing process maps, integrating PLC systems with MES, and authoring all supporting production documentation. In parallel, I am building the foundational engineering team for this production area by defining role requirements, conducting interviews, and driving hiring decisions to establish a high-performing launch organization. As part of a lean initial team, I am managing both individual contributor responsibilities and leadership functions to ensure successful execution.



### DEGREES EVALUATED

Institution/Degree	Country	Language	Courses
University of Waterloo / Bachelors in Mechanical Engineering 09/01/2007 — 06/01/2013	Canada	English	54

### COMPARABILITY SUMMARY

#### Outcome: Equivalent

Area	Hours	Deficiency
Math/Science	51 / 32	None
Engineering	55 / 48	None
General Education	15 / 12	None
Elective/Other	11 / N/A	None



## Specified Criteria Hours: 32

Course	Institution/Degree	U.S. Credits
Advanced Calculus	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Anatomy	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Biology	University of Waterloo / Bachelors in Mechanical Engineering	8.8
Biomechanics	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Calculus I	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Calculus II	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Cell Biology	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Chemistry	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Engineering Mathematics	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Genetics	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Linear Algebra	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Microbiology	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Ordinary Differential Equations	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Physics I	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Physics II	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Physiology	University of Waterloo / Bachelors in Mechanical Engineering	6.6
Quantum Physics	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Statistics	University of Waterloo / Bachelors in Mechanical Engineering	2.2

**Total semester credit hours earned: 50.60**

## Specified Criteria Hours: 48

Course	Institution/Degree	U.S. Credits
Composite Materials	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Control Systems	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Design Project	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Dynamics	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Electrical Engineering	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Electromechanical Devices	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Engineering Economics	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Engineering Project	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Fatigue & Fracture	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Fluid Mechanics I	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Fluid Mechanics II	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Heat Transfer	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Industrial Metallurgy	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Kinematics & Dynamics of Machines	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Mechanical Design I	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Mechanical Design II	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Mechanics of Deformable Bodies I	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Mechanics of Deformable Bodies II	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Microprocessors	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Properties of Materials I	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Properties of Materials II	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Thermodynamics I	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Thermodynamics II	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Welding Design	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Welding Metallurgy	University of Waterloo / Bachelors in Mechanical Engineering	2.2

Total semester credit hours earned: 55.00

## GENERAL EDUCATION

### Specified Criteria Hours: 12

Course	Institution/Degree	U.S. Credits
Business Communication	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Health Education	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Laws & Ethics	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Macroeconomics	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Professional Communication	University of Waterloo / Bachelors in Mechanical Engineering	3.5
Psychology	University of Waterloo / Bachelors in Mechanical Engineering	2.2

**Total semester credit hours earned: 14.50**

## ELECTIVE/OTHER

Specified Criteria Hours: N/A

Course	Institution/Degree	U.S. Credits
Digital Computation	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Information Technology	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Manufacturing Processing	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Welding	University of Waterloo / Bachelors in Mechanical Engineering	2.2
Workshops	University of Waterloo / Bachelors in Mechanical Engineering	2.2

**Total semester credit hours earned: 11.00**

## Total Semester Credit Hours Earned: 132

## PROCESS DESCRIPTION

All education is compared to the NCEES Engineering Education Standard

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

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

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

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

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

# LETTER OF EXPLANATION

## SELF-VERIFICATION

**Work Experience**

Patient Care Automation Services  
May. 2008 — Aug. 2008

**Verifier**

Mina Fouad (Self)

**Verification Date**

03/28/2025 09:10am EDT



## EXPLANATION


This was a start-up company that filed for bankruptcy in 2012 and is no longer present

# PAUL GELDMACHER (20-639-18)

All work experience reviewed by two licensed professionals

DISCIPLINE: MECHANICAL

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/15/2025**

*Citizenship*  
**United States**

## SUMMARY







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

*Total Engineering Experience*  
**12 years, 11 months**

*Experience under licensed engineer*  
**12 years, 11 months**

*Other Experience*

*Disciplinary Action*  
**None reported**



## EDUCATION



*Bachelors in Mechanical Engineering (EAC)*  
**University of Nevada, Las Vegas**  
**January 2016–August 2020**

*Masters in Business Administration*  
**Ashford University**  
**May 2021–February 2023**



## EXAMS



*Fundamentals of Engineering (FE)*  
**Nevada**  
**December 2019**

*Principles and Practice of Engineering (PE)*  
**Mechanical**  
**Nevada**  
**September 2025**

## LICENSES



*Additional Licenses*  
**None**

PAUL GELDMACHER (20-639-18)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Ebara International Corp  
California (United States)  
Senior Designer  
June 1987—May 1992

Verified by

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



DESCRIPTION

PAUL GELDMACHER (20-639-18)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Rigel Corp  
California (United States)  
Delivery Driver  
June 1992—April 1996

Verified by

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



DESCRIPTION



PAUL GELDMACHER (20-639-18)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Brothers Material Handling  
California (United States)  
Technician  
May 1996—October 1999

Verified by

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



DESCRIPTION

# PAUL GELDMACHER (20-639-18)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Applied Computer Engineering  
California (United States)  
Designer / Drafter  
October 1999—September 2001

Verified by  
Paul Geldmacher (Self)

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



### TASKS

I was responsible for designing and drafting components for paper handling equipment, including creating solid models, assemblies, BOMs, and equipment instructions using AutoCAD. I regularly contacted suppliers and collaborated with fabrication personnel to refine designs and improve manufacturability.



### REPRESENTATIVE PROJECTS

I led a project to document and redesign a prototype paper handling system with the goal of reducing production costs by at least 50%. By optimizing component designs for more cost-effective manufacturing methods and leveraging quantity purchasing strategies, I successfully achieved the target reduction while maintaining functionality and reliability.

PAUL GELDMACHER (20-639-18)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

Advanced Documentation  
Nevada (United States)  
Self-Employment  
October 2001 — February 2009

Verified by

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



DESCRIPTION

# PAUL GELDMACHER (20-639-18)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Synergy Power  
Nevada (United States)  
Designer / Drafter  
March 2009—February 2010

Verified by  
Paul Geldmacher (Self)

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



### TASKS

I was responsible for designing and drafting components and assemblies related to wind turbines, including foundations, support and installation structures, nacelles, generators, and blades. My work focused on creating accurate and functional models to support efficient manufacturing and installation processes.



### REPRESENTATIVE PROJECTS

As part of a wind turbine project, I led the design of a nacelle by first modeling the generator support and external components to define spatial constraints and the required envelope. I collaborated with the turbine inventor to understand the fiberglass fabrication process, which informed a design that was both repeatable and easy to manufacture. The final nacelle design balanced structural integrity with production efficiency.

I designed the support pole and gin pole used to raise the wind turbine assembly, along with the concrete footings and reinforcement required for installation. This work involved close collaboration with a Professional Engineer (PE) for oversight and approval, ensuring structural integrity and compliance with engineering standards.

PAUL GELDMACHER (20-639-18)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

On-Target Express  
Nevada (United States)  
Delivery Driver  
April 2010—April 2011

Verified by

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



DESCRIPTION

# PAUL GELDMACHER (20-639-18)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Jensen Precast  
Nevada (United States)  
Designer / Drafter  
April 2011—October 2012

Verified by  
Paul Geldmacher (Self)

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



### TASKS

As a Design Engineer, I was responsible for designing and drafting steel structures for the construction industry, including aluminum and steel utility box covers, weld fixtures, and tooling for precast concrete fabrication. Using SolidWorks, I created detailed solid models and assemblies based on customer specifications. The role involved close collaboration with machinists, programmers, fabricators, and welders, and included oversight from a Professional Engineer (PE) for new design approvals.



### REPRESENTATIVE PROJECTS

I led a project to develop a calculation method for accurately determining the placement and diameter of torsion springs used in engineered-to-order access doors. Given the variability in door size and weight, it was critical to ensure that each door could be opened and closed with human force. I began by generating torque curves for various spring sizes and lengths using a digital torque meter and a custom-fabricated protractor to measure spring constants. This data was then used to build a door load vs. spring calculator that determined the optimal spring size and placement. The resulting tool proved highly effective and remains in use today as a reliable solution for spring selection in custom door designs.

WORK EXPERIENCE

Nikkiso Cryo Inc  
Nevada (United States)  
Director, Engineering Services  
November 2012—October 2025

Verified by  
**Greg Steven Highfill**  
Greg.Highfill@nikkisoceig.com

Experience Summary  
**Full-Time**  
**Engineering: 12 years, 11 months**  
**Post EAC degree: 5 years, 2 months**  
**Experience under licensed engineer:**  
**12 years, 11 months**

TASKS

Director, Engineering Services - Responsible for successful completion and execution of all projects assigned to Nikkiso Cryo's Engineering Group - 2 year

Design Engineering Manager - Responsible of on-time completion and execution of Design Engineering tasks as assigned. Developed design standards, calculations, best practices. - 3 years

Lead Design Engineer - Responsible for designs, calculations, drawings, engineering reports, and other design related documentation as it pertains to cryogenic pumps - 8 years

REPRESENTATIVE PROJECTS

From February to July 2025, I led a cross-functional team of four engineers and project support staff in resolving critical performance issues in a high-capacity pump that exhibited excessive shutoff head and low efficiency. As Engineering Director, I oversaw a comprehensive root cause analysis using internal diagnostics and external consultations, supervised internal design iterations and CFD simulations using Simerics and CFTurbo, and coordinated with external vendors for design validation and procurement. I developed and presented a detailed failure analysis and mitigation strategy during an on-site visit to the customer in Saudi Arabia, guiding installation and testing procedures. Following successful stakeholder alignment, I directed the implementation of design modifications, managed production and final testing, and ensured performance improvements met contractual specifications—ultimately achieving a significant reduction in shutoff head and increased efficiency. Tools used included Simerics CFD, CFTurbo, and SolidWorks.

In 2022, I collaborated with a computer programmer and a computer engineer to develop an automated document control process aimed at improving the timeliness and efficiency of engineering documentation release. As the Design Engineering Manager, I was responsible for establishing the documentation framework, including operational procedures, work instructions, and workflow definitions. Additionally, I contributed as an engineering administrator by assisting in the development of software functionality and continue to support the system post-deployment. The project successfully delivered a controlled and streamlined document management process, significantly enhancing the consistency and reliability of engineering documentation.


From 2012 to 2020, I served as the Lead Design Engineer for hundreds of engineered-to-order cryogenic pump projects, each tailored to meet highly specific customer requirements. During the project kickoff phase, I collaborated closely with the Project Engineer to develop a design plan aligned with customer needs. I led the design process using both new and legacy designs, performing all necessary calculations to ensure robust and reliable performance. My responsibilities included creating detailed layout drawings, production-ready documentation, and comprehensive bills of materials (BOMs). Upon project completion, I transitioned deliverables to the aftermarket team for continued support and lifecycle management.

# KARSON HILL (17-926-19)

All work experience reviewed by two licensed professionals

DISCIPLINE: MECHANICAL

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/28/2025**

*Citizenship*  
**United States**

## SUMMARY







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

*Total Engineering Experience*  
**4 years, 11 months**

*Experience under licensed engineer*  
**None**

*Other Experience*

*Disciplinary Action*  
**None reported**




## EDUCATION




*Associates in Arts*  
**North Central Missouri College**  
**August 2010–May 2014**

*Bachelors in Mechanical Engineering (EAC)*  
**University of Missouri, Columbia**  
**August 2014–May 2017**



**WAIVER REQUEST:** NRS 625.183, ITEM 4, PART B, "TWO OF THE 4 YEARS OF ACTIVE EXPERIENCE MUST HAVE BEEN COMPLETED BY WORKING UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER WHO IS LICENSED IN THE DISCIPLINE IN WHICH THE APPLICANT IS APPLYING FOR LICENSURE, UNLESS THAT REQUIREMENT IS WAIVED BY THE BOARD."


## EXAMS



*Fundamentals of Engineering (FE)*  
**Missouri**  
**April 2017**

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

## LICENSES



*Additional Licenses*  
**None**



# KARSON HILL (17-926-19)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Bear Trap Ranch  
Colorado (United States)  
Maintenance Technician  
September 2017—November 2017

Verified by

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



## DESCRIPTION

# KARSON HILL (17-926-19)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Complete Millwork Services Inc.  
Nevada (United States)  
Programmable Saw Operator  
December 2017—July 2018

Verified by

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



## DESCRIPTION

# KARSON HILL (17-926-19)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

MSM Sheet Metal & Steel Fabrication  
Inc.  
Nevada (United States)  
Drafter  
July 2018—July 2019

Verified by

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



## DESCRIPTION

# KARSON HILL (17-926-19)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Hamilton Company  
Nevada (United States)  
CNC Machinist  
July 2019—October 2020

Verified by

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



## DESCRIPTION

## WORK EXPERIENCE

Hamilton Company  
Nevada (United States)  
Senior Manufacturing Engineer  
November 2020—October 2025

Verified by  
**Salvatore Francis Monforte**  
Sal.Monforte@hamiltoncompany.com

Experience Summary  
**Full-Time**  
**Engineering: 4 years, 11 months**  
**Post EAC degree: 4 years, 11 months**  
**Experience under licensed engineer:**  
**None**

## TASKS

I have been employed at Hamilton Company in Reno, Nevada since 2019, progressing through several roles: CNC Machinist (July 2019-November 2020), Manufacturing Engineer I, Manufacturing Engineer II, and currently Senior Manufacturing Engineer supporting the machine shop.

In my current position, I focus primarily on machining operations for lathe production, though I frequently support other departments as well. I apply mechanical-engineering principles daily to solve complex manufacturing problems, improve machining processes, and maintain production continuity. My work involves diagnosing issues and implementing corrective actions that address dimensional, material, tooling, or setup related problems.

Because of my background as a machinist, I have strong rapport with shop personnel and am often the first point of contact when technical issues arise. I work closely with CNC programmers, machinists, and quality engineers to troubleshoot and resolve problems quickly. When issues require additional expertise and input, I coordinate with the design and manufacturing teams to identify and implement effective solutions.

I regularly review new part designs for manufacturability, recommend process adjustments, and ensure production methods meet both design intent and manufacturing capability. My responsibilities require the consistent application of engineering judgement, technical communication, and real-time decision making to maintain product quality and minimize downtime.

In addition to process support, I participate in continuous-improvement and cost-reduction initiatives that enhance efficiency and product reliability. These efforts have strengthened my ability to apply independent engineering judgement and balance technical, quality, and production considerations in manufacturing environments. Approximately 90 percent of my duties are engineering related, including process troubleshooting, design evaluation, and improvement initiatives. The remaining 10 percent involves administrative coordination and interdepartmental communication to ensure production goals are met.

## REPRESENTATIVE PROJECTS

During my time at Hamilton, I have advanced from CNC Machinist (July 2019-November 2020) to Senior Manufacturing Engineer. This progression has given me a strong foundation in both the practical and theoretical aspects of manufacturing, allowing me to apply mechanical-engineering principles to improve process capability, reliability, and production efficiency. The following projects demonstrate my engineering judgement, technical analysis, and design experience.

### Cryogenic Deburr Validation (April 2021-July 2022)

I led a validation study on using cryogenic deburring processes to reduce deburring costs of plastic components with complex geometries, a typically time-consuming manual operation. I contacted multiple vendors to collect process data and arranged for test samples to be processed under controlled conditions.

When the samples returned, I performed dimensional inspections to ensure all critical features remained within tolerance. I also designed performance tests to confirm that cryogenic exposure did not adversely affect the mechanical or chemical properties of the material. All results were documented and stored in our controlled document system. The material and usage tests confirmed vendor claims that cryogenic deburring had no lasting negative effects on the material. Use of cryogenic deburring significantly reduced the manual labor and processing time while maintaining quality standards.

### Stop Disk Inspection Improvements (February 2023-April 2023)

I investigated assembly fallout rates that had increased to over 25%. I found that the failures were primarily caused by inconsistencies in measuring the ball-extension dimension of stop disks. The previous inspection method allowed part deflection and relied heavily on operator feel, which led to measurement variation.

I designed and fabricated a new inspection fixture that eliminated the subjective feel by introducing a slip-thimble torque mechanism, ensuring consistent and repeatable measurement force. Additionally, I revised the process to engage all six contact points simultaneously, which eliminated part deflection from the measurement. Following implementation of the new tooling and measurement process, measurement reliability was substantially improved, and the assembly failures decreased from over 25% to roughly 5%.

#### Frit Sleeve Redesign (December 2023-March 2024)

I redesigned a long-standing assembly with a low success rate (approximately 80%) that had persisted for over four years. After investigation into the product's design, I discovered that the original design failed to account for frit crush during assembly. Using engineering analysis and empirical testing, I proposed a new design, within the bounds of the existing assembly, that balanced component tolerances and assembly forces.

I manufactured prototype parts for testing and evaluation by the manufacturing team of the part's product line. The new design resulted in a 400% improvement in assembly throughput and an increase in overall success rate from 80% to 98%. To prevent scrapping existing inventory, I engineered a modified part that allowed otherwise stranded components to be used. This solution minimized waste while restoring full functionality to the product line. The redesign not only improved quality but also reduced overall production cost through better assembly efficiency.

#### Ongoing Projects and Process Improvements (November 2020-October 2025)

Beyond major design projects, I lead initiatives to improve process stability, efficiency, and quality across the machine shop. I conduct process capability studies to identify critical features, define inspection frequencies, and establish control methods that balance throughput with risk management.

To help improve setup efficiency, I standardize tooling, work-holding, and cutting parameters across similar part families. I have observed over 30% reduction in setup time of affected parts and improved repeatability between operators and shifts. I also develop work instructions and visual standards that document process requirements and ensure consistent execution.

I work closely with design engineers to enhance manufacturability and reduce production costs. This collaboration begins by reviewing a part's design intent and functional requirements, then recommending changes that can simplify machining, reduce cycle time, or ease inspection. These changes have improved quality, productivity, and communication between design and manufacturing teams.


In addition to technical responsibilities, I provide informal leadership and mentorship within the department. I assist and instruct machinists in troubleshooting complex issues, guide newer engineers in documentation and root-cause analysis, and help bridge communication between production and engineering. This collaboration fosters continuous improvement and ensures that process changes are both technically sound and practically implemented.

# MOHSEN SHIRANI TAK ABI (25-370-95)

All work experience reviewed by two licensed professionals

DISCIPLINE: MECHANICAL

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**08/28/2025**

*Citizenship*  
**Canada**

## SUMMARY





*Engineering Experience after EAC degree*


*Total Engineering Experience*  
**17 years, 11 months**

*Experience under licensed engineer*  
**5 years, 10 months**

*Disciplinary Action*  
**None reported**



## EDUCATION




*Bachelors in Mechanical Engineering - Solids Design*  
**Shahid Chamran University of Ahvaz**  
**September 2001–February 2006**

*Masters in Mechanical Engineering - Applied Design*  
**K.N. Toosi University of Technology**  
**September 2006–July 2009**

**WAIVER REQUEST:** NRS 625.193(1)(A) WAIVER OF FE WITH 10 OR MORE YEARS OF EXPERIENCE.

## EXAMS



*Waived Fundamentals of Engineering (FE)*  
**Nevada**  
**May 2025**

*Principles and Practice of Engineering (PE)*  
**Mechanical**  
**Georgia**  
**October 2025**

## LICENSES



*Additional Licenses*  
**None**

# MOHSEN SHIRANI TAK ABI (25-370-95)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Tehran Berkeley Engineers Co.  
Tehrān (Iran)  
Piping Engineer  
March 2007—August 2011

Verified by  
**Seyed Reza Taba**  
taba.reza@gmail.com

Experience Summary  
**Full-Time**  
**Engineering: 4 years, 5 months**  
**Experience under licensed engineer:**  
**None**



### TASKS

I was responsible for below engineering activities:

- preparing piping layouts, sections, ISOMETRICS
- preparing project specifications, data sheets and material requisitions for all piping items
- performing stress calculation and designing support drawings
- Participating in technical meetings with clients and manufacturers and suppliers
- Evaluating technical bids
- Addressing technical issues at construction sites



### REPRESENTATIVE PROJECTS

I worked on below projects during my time:

from 2009 to 2011: Development of IOOC Jetty & Renovation of Oil Products Piping (EPC Project). I was piping engineer and performed stress analysis on each piping systems. I designed piping layouts and prepared construction drawing for piping scope.

from 2007 to 2009: MAROON 1&3 pump stations (EPC Project). the project was to build a 250,000 and 400,000 BPD storage tanks. I was piping engineer and performed stress analysis on each piping systems. I designed piping layouts and prepared construction drawing for piping scope.



## WORK EXPERIENCE

EIED Co  
Tehrān (Iran)  
Piping Material Engineer  
August 2011 – August 2012

Verified by  
**Arezoo Saghaeian**  
Saghaeian-a@eied.com

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



### TASKS

I was responsible for below piping engineering activities:

- reviewing shop drawings for piping items such as valves, strainer, pig launcher/receiver, pipes and etc.
- Preparing engineering documents such as line lists, material requisitions, data sheets for piping items
- Evaluating technical bids
- Checking P&IDs and providing feedbacks to process engineers



### REPRESENTATIVE PROJECTS

I worked on West Karoon Oil Fields Early Production Units (Arvandan) project at EIED Co. from 2011 to 2012. The project construction site was in Arvandan oil field in Khouzestan Province. It was an upstream project in oil and gas industries. The project was to construct/build facilities to treat crude oil in order to remove H<sub>2</sub>S from it. Crude oil came from different well heads/clusters. Different piping classes such as 150#, 300#, 600#, and 900# were used in engineering design. Different equipment such as columns, towers, drums, pumps, separators, storage tanks and etc were used in engineering design.

As a piping material engineer I performed below tasks:

- I worked on piping material specifications.
- I prepared engineering documents for piping items such as pig launcher/recover, strainers and etc
- I prepared and submitted procurement engineering documents such as MRs (material requisition) data sheets, specification for non-slam check valves, quick connection hoses for utility stations (for nitrogen, steam, instrument air) and etc.
- I checked P&IDs and provided comments back to process engineers
- I prepared line lists for different units in coordination with process department
- I evaluated technical bids/offers from different manufacturers and clarified all technical issue before proceeding with contracts

## WORK EXPERIENCE

Takhteh JAmshid Petrochemical  
Complex  
Tehrān (Iran)  
Head of Piping Department  
August 2012—December 2014

Verified by  
**Samad Kargar**  
samadkargar@gmail.com

Experience Summary  
**Full-Time**  
**Engineering: 2 years, 4 months**  
**Experience under licensed engineer:**  
**None**



### TASKS

I performed below engineering activities:

- Reviewed piping layouts, sections, ISOMETRICs
- Reviewed and approved project technical specifications such as piping material specifications, valve specifications, data sheets and material requisitions for all piping items
- Reviewed and approved piping stress calculations/reports and support drawings
- Participated in technical meetings with contractors, manufacturers and suppliers
- Evaluated technical bids for all piping items such as valves, pipes, pumps, and etc.
- Addressed technical issues raised by construction contractors during construction.



### REPRESENTATIVE PROJECTS

the project consisted of building/constructing different units such as unit 701 (huge boiler room), Unit 702 (huge chiller room), Units 100, 150, 200,300,350,400,450 (process units) as well as a 8" feed line, finishing unit and waste water treatment unit for a petrochemical complex producing SBR and PBR (raw material in tire manufacturing industries) from 2012 to 2014. I was head of piping for the client/owner. 4 majors engineering companies designed all the units. I reviewed, checked, approved engineering documents and drawings as well as coordinated engineering activities between the 4 engineering companies at tie-in points.

Engineering activities I performed/coordinated included but not limited to below tasks:

- I reviewed and approved piping plans, piping sections, ISOMETRIC drawings, support drawings
- I reviewed, checked and approved engineering reports such as stress analysis (in CAESAR II software)
- I reviewed, checked and approved technical documents such as piping material specification, data sheets for all piping items and etc.
- I ran weekly coordination meeting between all 4 companies to address any technical issues and provided feedbacks.
- I provided technical answers to technical issues/queries during construction
- I participated in technical meeting with manufactures and suppliers, approved their technical proposal.

## WORK EXPERIENCE

*Petrosian Engineers and Consultant  
Co.  
Tehrān (Iran)  
Head of Piping Department  
January 2015—May 2019*

*Verified by  
**Behzad Zarif Booshehri**  
B.Z.booshehri@gmail.com*

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



### TASKS

I was responsible for below engineering activities:

- Reviewing piping layouts, sections, ISOMETRICs
- Reviewing and approving project specifications, data sheets and material requisitions for all piping items
- Reviewing and approving stress calculation and support drawings
- Participating in technical meetings with clients and manufacturers and suppliers
- Evaluating technical bids
- Addressing technical issues at construction sites



### REPRESENTATIVE PROJECTS

Projects that I worked on were:

- 100Km oil product pipeline from Yazd to Naeen pump station form 2018-2019. I was head of engineer team and responsible for reviewing and checking all engineering activities.
- Bitumen Tank Farms in Bandar Abbas Special zone from 2016-2018. as head of piping department, I was responsible for reviewing, checking and approving any technical documents and drawings before official being issued.
- Aboozar Gas Flow Increase to Dorood II Plant in Kharg Project form 2015 to 2016. I did the detail design for pipeline and piping scope of projects like, construction drawings, claculation documents and etc.

WORK EXPERIENCE

NORR  
Ontario (Canada)  
Mechanical Engineer  
November 2019—December 2024

Verified by  
**Benjamin Mark Sprinkle**  
Ben.sprinkle@norr.com

Experience Summary  
**Full-Time**  
**Engineering: 5 years, 1 month**  
**Experience under licensed engineer:**  
**5 years, 1 month**



TASKS

I was responsible for below activities and 100% of them were engineering tasks:

- Sizing hydronic piping systems
- sizing mechanical equipment like pumps, AHUs, RTUs, MAUs heat exchangers
- Performing heating and cooling load calculation in engineering software like HAP
- Performing/Running some CFD simulations (with Simscale Software) for air flows for different applications
- Review shop drawings
- Participating in site visits and addressing technical queries
- Sizing duct systems and calculating pressure loss
- Preparing technical specification for projects
- Preparing construction drawings
- Designing and Sizing drainage, sanitary and storm water systems for different projects



REPRESENTATIVE PROJECTS

As a Mechanical Engineer I was working on different projects like:

- Canada Post Warehouse building at 1395 Tapscott Rd, Scarborough ON, Canada from 2020 to 2023. I designed and sized duct systems from AHUs to air terminals for the main warehouses and restpods
- Amazon Fresh retail stores in different US states like Arden Hill MN, Brookfield CT, Madison Height MI, Chicago Clark IL, Gaithersburg MD, Broomall PA from 2021 to 2023. I performed heating and cooling load calculation. I sized the duct and drainage systems. I selected all mechanical equipment. I addressed all technical questions for contractors during constructions.
- MacAllister Rentals - Storage. 705-1055 W. COX Avenue, Lebanon, Indiana 46052- 2023 to 2024. I designed all the plumbing systems for the project.
- MacAllister Rentals Office renovation. 1453 W 150 S Washington IN, 2023 to 2024. I designed all the HVAC, plumbing systems for the project. I performed heating and cooling load calculations.
- Safe Stay Community 4837 Watt Ave Project (client was Sacramento County ASD)- 2024 , I performed heating and cooling load calculation and designed all the duct work and prepared control diagram for HVAC
- Crash Champions (Renovation project), 4000 Sullivant Ave Columbus OH 43228 - 2024 , I designed all the duct work and plumbing and drainage for the building

## WORK EXPERIENCE

Gresham Smith  
Georgia (United States)  
Sr. Mechanical Engineer  
January 2025—October 2025

Verified by  
**DONALD HARTDEGEN**  
don.hartdegen@greshamsmith.com

Experience Summary  
**Full-Time**  
**Engineering: 9 months**  
**Experience under licensed engineer:**  
**9 months**



### TASKS

- I am responsible for below responsibilities which are 100% engineering tasks:
- Performing stress analysis calculation on piping system with CAESAR II
  - Designing utility flow diagrams for different systems like compressed dry air and nitrogen
  - Sizing piping systems
  - Designing and selecting pipe supports
  - Providing structural team/engineers with special support type, locations and load to design and calculate
  - Reviewing and providing feedbacks on piping layout, routes , valve data sheets and piping material specifications.
  - Reviewing P&IDS



### REPRESENTATIVE PROJECTS

Right now I am working as Sr. Mechanical Designer on a huge battery manufacturing facilities (2,500,000 SQFT) project in Byhalia MS. My company are providing engineering services in the Mechanical and HVAC, Piping, Fire Protection, Underground and Drainage, Architecture, Electrical, Structure, Civil disciplines.

The project is a mega project. I am working in piping department where I perform stress calculation analysis on big pipe sizes , design and select piping supports, provide load and locations of supports to structural team, prepare utility flow diagrams on some services like compressed dry air and nitrogen, provide valve data sheets and review piping material specifications for each piping classes like cooling waters, chilled water, natural gas, hot water, compressed air, nitrogen and etc., review P&ID and provide feedback.

# MOHSEN SHIRANI TAK ABI (25-370-95)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### TIME GAPS

Start Date	End Date	Explanation
March 2006	August 2006	I was not working from March 2006 to August 2006. This time was between my graduation from my BS.s and start my MS.c in September 2006.



### DEGREES EVALUATED

Institution/Degree	Country	Language	Courses
Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design 09/01/2001 — 02/01/2006	Iran	Persian (Farsi)	52
K.N. Toosi University of Technology / Masters in Mechanical Engineering - Applied Design 09/01/2006 — 07/01/2009	Iran	Persian (Farsi)	None

### COMPARABILITY SUMMARY

#### Outcome: Equivalent

Area	Hours	Deficiency
Math/Science	32 / 32	None
Engineering	64 / 48	None
General Education	24 / N/A	None
Elective/Other	19 / N/A	None

## Specified Criteria Hours: 32

Course	Institution/Degree	U.S. Credits
Calculus I	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Calculus II	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Chemistry	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Differential Equations	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Dynamics	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	4
Engineering Mathematics	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Numerical Analysis	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	2
Physics I	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	4
Physics II	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	4
Statics	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3

**Total semester credit hours earned: 32.00**



## Specified Criteria Hours: 48

Course	Institution/Degree	U.S. Credits
Automatic Control	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Automobile Design	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Design of Components I	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Design of Components II	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Dynamics & Vibrations Lab	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	1
Electrical Engineering I	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Electrical Engineering II	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	4
Fluid Mechanics I	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Fluid Mechanics II	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	4
Heat Transfer	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Hydraulics & Pneumatics	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	2
Industrial Metals	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	2
Machine Dynamics	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Materials Science	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Measurement Systems	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	2
Mechanical Vibrations	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Mechanics of Materials I	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Mechanics of Materials II	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Mechanism Design	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Project	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Thermodynamics I	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3

Thermodynamics II	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	4
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**Total semester credit hours earned: 64.00**

Specified Criteria Hours: N/A

Course	Institution/Degree	U.S. Credits
English	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
English for Engineers	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	2
Entrepreneurship	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Family Planning & Health	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	1
Islamic Ethics	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	2
Islamic History	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	2
Islamic Revolution	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	2
Islamic Studies I	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	2
Islamic Studies II	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	2
Islamic Texts	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	2
Persian Literature	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3

Total semester credit hours earned: 24.00

Specified Criteria Hours: N/A

Course	Institution/Degree	U.S. Credits
Automechanics Workshop	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	1
Computer Programming	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Design Methods	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	2
Industrial Drawing	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	4
Lubrication & Bearings	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	2
Machine Tools	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	1
Practical Training	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	2
Production Methods	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	3
Welding	Shahid Chamran University of Ahvaz / Bachelors in Mechanical Engineering - Solids Design	1

Total semester credit hours earned: 19.00

Total Semester Credit Hours Earned: 139

## PROCESS DESCRIPTION

All education is compared to the NCEES Engineering Education Standard

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

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

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

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

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


# Mining

# DEREK DRUSSA (13-102-82)

All work experience reviewed by two licensed professionals

DISCIPLINE: MINING

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PE**

*Application Date*  
**10/21/2025**

*Citizenship*  
**United States**

## SUMMARY







*Engineering Experience after EAC degree*  
**9 years, 3 months**


*Total Engineering Experience*  
**9 years, 3 months**

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

*Disciplinary Action*  
**None reported**




## EDUCATION




*Bachelors in Mining Engineering (EAC)*  
**Missouri University of Science and Technology**  
**August 2002–December 2011**

## EXAMS




*Fundamentals of Engineering (FE)*  
**Tennessee PE**  
**July 2019**

*Principles and Practice of Engineering (PE)*  
**Mining and Mineral Processing**  
**Tennessee PE**  
**October 2022**



## LICENSES



*Additional Licenses*  
**None**

# DEREK DRUSSA (13-102-82)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Jesse Creek Mining  
Alabama (United States)  
Project Manager  
February 2012—January 2016

Verified by  
Derek Drussa (Self)

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

### TASKS

#### Tasks and Duties

I develop and issue engineering design packages and specifications for surface and underground coal facilities, including haul roads, sediment ponds, pump stations, belt conveyors, and preparation-plant upgrades. I perform and document calculations for slope stability, earthwork volumes, hydraulic capacity (culverts, channels, ponds), pump sizing and TDH, power needs, and ventilation quantities; I verify inputs with field surveys, flow tests, and instrument readings. I review drawings, calculations, and submittals for conformance and then finalize and stamp deliverables to meet MSHA, SMCRA, NPDES, and Alabama Surface Mining Commission requirements. I evaluate test results and operating data to recommend design changes, value engineering alternatives, and commissioning adjustments that align performance with the design basis.

### REPRESENTATIVE PROJECTS

#### Coal Preparation Plant Throughput and Reliability Upgrade – Jesse Creek Mining Complex, AL (2012–2013)

I designed a preparation-plant modification package including equipment layout revisions, transfer-chute geometry, and conveyor alignment to improve material flow and reduce spillage. I calculated belt tensions, chute impact loads, and support reactions and produced structural details for transfer supports and platforms sized to plant clearances. I specified wear-lining and skirt systems, wrote construction sequencing notes to limit downtime, and issued the IFC set after resolving vendor submittals.

#### Deep-Well Dewatering and Compliance Pumping – Jesse Creek Mining Complex, AL (2013–2014)

I sized multiple deep-well pumps by calculating TDH, NPSH, and required flow to meet drawdown and compliance targets and selected motors and VFDs to match the hydraulic curve. I designed discharge piping, check-valve and surge-control details, and electrical one-line integration points to existing power. I wrote the test plan, witnessed startup flow/pressure tests, and recommended impeller trims and VFD set-points to optimize efficiency.

#### Surface Mine Haul Roads and Sediment Control Program – Jesse Creek Surface Operations, AL (2012–2015)

I designed main and auxiliary haul roads by calculating geometric criteria, cross-sections, and turning radii, and I sized ditching, culverts, and armor based on peak flows and allowable velocities. I prepared sediment-pond grading, spillway details, and storage routing to meet NPDES and SMCRA requirements for the design storm. I issued plan-and-profile sheets, quantities, and construction notes and updated the design based on survey as-builts and performance observations.

#### Conveyor Expansion and Transfer-Tower Structural Package – Plant and Yard, AL (2014–2016)

I produced a structural steel package for a conveyor extension and transfer tower, including load take-offs (belt, material, wind), member sizing, base-plate and anchor design, and connection details. I checked deflection and vibration criteria against manufacturer limits, coordinated foundation loads with geotechnical recommendations, and edited shop drawings to resolve fit-up. I recommended guard upgrades and access platform revisions to improve maintainability and compliance.

#### Underground Section Layout and Ventilation Plan – Underground Mine, AL (2014–2015)

I laid out entries and pillar patterns and calculated ventilation quantities, pressure losses, and regulator settings to achieve required airflows at the faces. I prepared the ventilation plan with intake/exhaust routing, fan specifications, and gas-monitoring locations and submitted updates following instrument surveys. I documented roof-control parameters using geologic inputs and issued the plan revisions to satisfy MSHA review comments.

#### Water Handling and NPDES Compliance Improvements – Sitewide, AL (2015–2016)

I evaluated existing conveyance and treatment capacity using flow measurements and storm routing and then designed pump-around options and pond modifications to maintain compliance during high-flow events. I specified pumps, controls, and level instrumentation and provided detail sheets for outlet protection and energy dissipation. I recommended operating set-points and

inspection checklists based on startup data and subsequent sampling results.



# DEREK DRUSSA (13-102-82)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Jesse Creek Mining  
Alabama (United States)  
Senior Engineer  
March 2013—January 2016

Verified by  
**Brian Patrick ODea**  
bpodea2@gmail.com

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



### TASKS

I develop and issue engineering design packages and specifications for surface and underground coal facilities, including haul roads, sediment ponds, pump stations, belt conveyors, and preparation-plant upgrades. I perform and document calculations for slope stability, earthwork volumes, hydraulic capacity (culverts, channels, ponds), pump sizing and TDH, power needs, and ventilation quantities; I verify inputs with field surveys, flow tests, and instrument readings. I review drawings, calculations, and submittals for conformance and then finalize and stamp deliverables to meet MSHA, SMCRA, NPDES, and Alabama Surface Mining Commission requirements. I evaluate test results and operating data to recommend design changes, value engineering alternatives, and commissioning adjustments that align performance with the design basis.



### REPRESENTATIVE PROJECTS

Deep-Well Dewatering and Compliance Pumping – Jesse Creek Mining Complex, AL (2013–2014)

I sized multiple deep-well pumps by calculating TDH, NPSH, and required flow to meet drawdown and compliance targets and selected motors and VFDs to match the hydraulic curve. I designed discharge piping, check-valve and surge-control details, and electrical one-line integration points to existing power. I wrote the test plan, witnessed startup flow/pressure tests, and recommended impeller trims and VFD set-points to optimize efficiency.

Surface Mine Haul Roads and Sediment Control Program – Jesse Creek Surface Operations, AL (2012–2015)

I designed main and auxiliary haul roads by calculating geometric criteria, cross-sections, and turning radii, and I sized ditching, culverts, and armor based on peak flows and allowable velocities. I prepared sediment-pond grading, spillway details, and storage routing to meet NPDES and SMCRA requirements for the design storm. I issued plan-and-profile sheets, quantities, and construction notes and updated the design based on survey as-builts and performance observations.

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I produced a structural steel package for a conveyor extension and transfer tower, including load take-offs (belt, material, wind), member sizing, base-plate and anchor design, and connection details. I checked deflection and vibration criteria against manufacturer limits, coordinated foundation loads with geotechnical recommendations, and edited shop drawings to resolve fit-up. I recommended guard upgrades and access platform revisions to improve maintainability and compliance.

Underground Section Layout and Ventilation Plan – Underground Mine, AL (2014–2015)

I laid out entries and pillar patterns and calculated ventilation quantities, pressure losses, and regulator settings to achieve required airflows at the faces. I prepared the ventilation plan with intake/exhaust routing, fan specifications, and gas-monitoring locations and submitted updates following instrument surveys. I documented roof-control parameters using geologic inputs and issued the plan revisions to satisfy MSHA review comments.

Water Handling and NPDES Compliance Improvements – Sitewide, AL (2015–2016)

I evaluated existing conveyance and treatment capacity using flow measurements and storm routing and then designed pump-around options and pond modifications to maintain compliance during high-flow events. I specified pumps, controls, and level instrumentation and provided detail sheets for outlet protection and energy dissipation. I recommended operating set-points and inspection checklists based on startup data and subsequent sampling results.

# DEREK DRUSSA (13-102-82)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Nyrstar  
Tennessee (United States)  
Senior Engineer  
January 2019—October 2021

Verified by  
**Mark Lawrence Schroeder**  
mnengr@aol.com

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



### TASKS

#### Tasks and Duties

I developed and issued short-, medium-, and life-of-mine plans and schedules, and I translated them into construction-ready design packages and specifications for stopes, development headings, ventilation controls, backfill, and supporting infrastructure. I calculated stope economics and geometry, dilution and recovery, ventilation quantities and pressure losses, pump duty and total dynamic head, and equipment power requirements, and I verified inputs with survey, geology, and production data. I prepared drawings, calculation sets, and written bases of design; I reviewed and revised consultant and vendor submittals for conformance to MSHA, company standards, and the design basis prior to release. I analyzed daily and monthly KPIs and test results, then I recommended sequencing changes, design adjustments, and set-point updates to achieve safety, cost, and production objectives.



### REPRESENTATIVE PROJECTS

#### Life of Mine Plan and Reserve Update — Nyrstar Underground Zn Mine, Gordonsville, TN (2017 to 2019)

I built and maintained the life of mine planning model in Deswik, generated quarterly cut plans, and reconciled designs to surveyed voids and updated resource models. I calculated development meters, period tonnage, ventilation demand, backfill volumes, and equipment hours, and I issued plan drawings and a written basis of design. I recommended sequencing changes and cut off adjustments after reviewing KPIs and variances and I incorporated those changes into the published schedule.

#### Stope Design and Backfill Strategy — East Sector, Gordonsville, TN (2016 to 2018)

I designed stope shapes and access development to meet geotechnical criteria and recovery targets, and I calculated spans, stand up time, and dilution risk using empirical methods and site factors. I prepared the stope package with drilling patterns, slot raise locations, ring timing, cable bolt and mesh requirements, and paste or cemented rock fill specifications. I recommended modified stope boundaries and fill cure times after evaluating fragmentation results and reconciliation against muck sample grades.

#### Ventilation Upgrade and Control Plan — West Workings, Gordonsville, TN (2016 to 2017)

I modeled airflows and pressure losses to deliver required quantities to all active headings and I calculated regulator sizes, stopping details, and auxiliary fan duties. I designed permanent and temporary controls, prepared drawings and notes for installation, and issued the ventilation plan consistent with MSHA and site standards. I conducted airflow measurements and gas testing, compared results to the model, and I recommended fan set points and regulator adjustments to correct imbalances.

#### Dewatering and Sump System Improvements — Minewide, Gordonsville, TN (2017 to 2018)

I calculated total dynamic head, pump capacity, and NPSH for staged pumping from production levels to the main discharge and I selected pumps, drives, and control logic to match inflows and surge conditions. I designed sumps, piping routes, check valve and relief arrangements and provided electrical one line tie ins and motor load data to power distribution. I wrote the commissioning test procedure, witnessed flow and pressure testing, and I recommended impeller trims and VFD set points to reduce energy use and cavitation.

#### Deep Well Pump Installation and Controls — Cumberland, TN (2018 to 2019)

I sized a deep well pump system by calculating total dynamic head, required duty, and NPSH and I selected the pump, motor, and VFD to meet drawdown and compliance needs. I designed discharge piping, check valves, relief and surge control, and I provided control set points and alarms for level, pressure, and motor protection. I issued installation drawings and a test and balance plan and I recommended final set points after reviewing flow tests and trend data.

#### Haul Truck Acquisition and Optimization Study — Gordonsville, TN (2018 to 2019)

I evaluated the business case for new 50 ton haul trucks by calculating cycle times, rolling resistance, speed on grade, queuing,

and productivities on planned routes. I sized fleet count to meet development and production tonnage, assessed fuel and maintenance impacts, and I produced a comparison of supplier offerings with technical specifications and life cycle cost.

#### Rolling Twelve Week Planning Program — Gordonsville, TN (2016 to 2019)

I produced a rolling twelve week plan that I updated every twelve weeks, reconciling actuals to plan and resetting development, production, and services targets. I calculated heading meters, muck schedules, backfill placement, and ventilation and dewatering requirements by period and I issued a written basis and drawings with each update.

#### Weekly Mine Plans and Short Range Scheduling — Gordonsville, TN (2016 to 2019)

I issued weekly mine plans with detailed cuts, headings, drilling and blasting patterns, and support details aligned to the short range schedule. I calculated powder factors, expected fragmentation, and mucking times and I provided check prints for survey and production to verify compliance.

#### Infrastructure Upgrades Program — Plant and Underground, Gordonsville, TN (2016 to 2019)

I designed and issued packages for infrastructure improvements including conveyor support framing, pump skids, ventilation bulkheads, sumps and drains, and power cable routing and trays. I calculated structural loads, anchor and base plate sizes, and electrical loads and protective device settings and I coordinated equipment data with drawings.

Privacy Statement

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Terms of Use

## WORK EXPERIENCE

Nyrstar  
Tennessee (United States)  
senior mining engineer  
January 2018—October 2022

Verified by  
**Joshua Ryan Bailey**  
joshua.bailey@nyrstar.com

Experience Summary  
**Full-Time**  
**Engineering: 4 years, 9 months**  
**Post EAC degree: 4 years, 9 months**  
**Experience under licensed engineer:**  
**None**



### TASKS

I developed and issued short-, medium-, and life-of-mine plans and schedules, and I translated them into construction-ready design packages and specifications for stopes, development headings, ventilation controls, backfill, and supporting infrastructure. I calculated stope economics and geometry, dilution and recovery, ventilation quantities and pressure losses, pump duty and total dynamic head, and equipment power requirements, and I verified inputs with survey, geology, and production data. I prepared drawings, calculation sets, and written bases of design; I reviewed and revised consultant and vendor submittals for conformance to MSHA, company standards, and the design basis prior to release. I analyzed daily and monthly KPIs and test results, then I recommended sequencing changes, design adjustments, and set-point updates to achieve safety, cost, and production objectives.



### REPRESENTATIVE PROJECTS

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Ventilation Upgrade and Control Plan — West Workings, Gordonsville, TN (2016 to 2017)

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maintenance impacts, and I produced a comparison of supplier offerings with technical specifications and life cycle cost.

Rolling Twelve Week Planning Program — Gordonsville, TN (2016 to 2019)

I produced a rolling twelve week plan that I updated every twelve weeks, reconciling actuals to plan and resetting development, production, and services targets. I calculated heading meters, muck schedules, backfill placement, and ventilation and dewatering requirements by period and I issued a written basis and drawings with each update.

Weekly Mine Plans and Short Range Scheduling — Gordonsville, TN (2016 to 2019)

I issued weekly mine plans with detailed cuts, headings, drilling and blasting patterns, and support details aligned to the short range schedule. I calculated powder factors, expected fragmentation, and mucking times and I provided check prints for survey and production to verify compliance.

Infrastructure Upgrades Program — Plant and Underground, Gordonsville, TN (2016 to 2019)

I designed and issued packages for infrastructure improvements including conveyor support framing, pump skids, ventilation bulkheads, sumps and drains, and power cable routing and trays. I calculated structural loads, anchor and base plate sizes, and electrical loads and protective device settings and I coordinated equipment data with drawings.

# DEREK DRUSSA (13-102-82)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Frontier Kemper  
Alabama (United States)  
Field Engineer  
November 2022—December 2023

Verified by  
Derek Drussa (Self)

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



### TASKS

I reviewed the project plans and developed a construction schedule in coordination with project-wide activities. I coordinated with subcontractors to secure advance material acquisitions and pre-construction deliverables. I developed and obtained quotes, drafted contracts to meet project requirements, and prepared construction work plan packages. I also coordinated pre-construction meetings and ensured all prerequisites were identified and completed before construction began.

I prepared, updated, and distributed work activity schedules and communicated across discipline groups and agencies to ensure proper advance notifications and start-time coordination. I monitored and participated daily in the field construction process, performing layout checks and technical reviews of work against requirements while confirming details with the design engineer as needed.

I assisted with subcontract administration and worked closely with permanent material suppliers by monitoring correspondence, submittals, RFIs, and performance records, while maintaining accurate payment records. I supported the preparation of monthly reporting for progress payments, schedule updates, and issue tracking, providing accurate assessments of project performance.

I participated in change order and claims management, resolved changing site conditions, and addressed other planning impacts. I developed quality checks and coordinated permits from the appropriate entities. Finally, I managed and submitted project close-out documentation in coordination with the client and third parties.



### REPRESENTATIVE PROJECTS

4N Bunker Project Dec 22 - Dec 23

I confirmed drawings prior to field execution, measured steel and ensured proper fitment, and made surveying marks for line, grade, and elevation to confirm the tunnel was mined in the proper direction. I monitored and participated daily in the field construction process, providing layout checks and technical reviews of work against requirements while obtaining confirmations from the design engineer as needed.

Assisted the superintendent in keeping the men on task on daily basis. Escorted MSHA around the work area each time they were on site. Assisted in explosives deliveries from magazine to underground storage area. I made area examinations and relayed issues to the crews for corrections.

Kept track of explosive inventory and participated in loading and wiring of shots.

I performed quality control and maintained inventory of all materials, managed ordering to keep work supplied, and worked underground supporting the crews to keep progress advancing. I prepared daily progress reports and conducted progress meetings with the owner to keep all parties aligned.

I supported the preparation of monthly reporting for progress payments, schedule updates, and issue tracking, providing accurate assessments of project performance.

I developed quality checks and coordinated permits from the appropriate entities.

WORK EXPERIENCE

Calportland  
Washington (United States)  
Senior Project Engineer  
January 2024—September 2025

Verified by  
VICTOR Joseph GHIGLERI  
VGhigleri@calportland.com

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



TASKS

I engineered capital projects from concept through commissioning, and I issued design packages and specifications for processing equipment, structural steel, foundations, and power distribution. I calculated process capacity, screening duty, pump total dynamic head, pipeline hydraulics, structural member sizes and base plates, and electrical loads and protective device settings; I verified processing requirements with site data and test runs. I prepared requests for expenditure with scope, budget, and schedule, evaluated equipment alternatives, and I recommended procurement, sequencing, and outage plans; then I oversaw field installation, testing, and performance verification. I maintained life of mine timing and scheduling models for dredge and plant scenarios and I updated weekly and twelve week plans to align production with capital work.



REPRESENTATIVE PROJECTS

- Jackrabbit Dredge Project — Buckeye, Arizona (2025 to 2025)  
I prepared the life of mine report and design basis for a new dredge, including pump and pipeline hydraulic calculations, wear cost modeling, and cost per ton projections. I developed electrical one line concepts for a 4160 volt distribution and transformer capacity, prepared vendor bid packages, and evaluated impeller sizing, throughput, lead time, and total cost of ownership. I recommended the preferred dredge configuration and issued a procurement and implementation plan aligned with site power and permitting constraints.
- Tower 7 Design and Implementation — Santosh Mine, Scappoose, Oregon (2023 to 2024)  
I designed the new transfer tower and screening arrangement to increase plant throughput by approximately twenty percent. I calculated belt tensions, chute geometry, support reactions, base plate and anchor sizes, and verified deflection and vibration against vendor limits; I produced IFC drawings and a written basis of design. I performed shop checks in Montana for structural steel fabrication and in West Virginia for screen build progress, and I issued field change sketches to resolve fit and access issues during install.
- POK Conveyor and Shoreline Permit Package — Kalama, Washington (2024 to 2025)  
I developed the engineering scope for conveyor and tower improvements and prepared shoreline permit exhibits and technical narratives. I calculated noise, dust capture needs, and lighting footprints, and I coordinated plan views, sections, and details to address setbacks and overwater work limits. I issued the preliminary design package and recommended construction sequencing to minimize in water work exposure.
- Clackamas Dust Collector Replacement — Clackamas, Oregon (2024 to 2024)  
I designed a dust collection changeout including fan sizing, duct routing, capture hoods, structural supports, and foundation checks. I calculated airflow, static pressure, motor horsepower, and duct velocities to meet capture criteria, and I verified compliance with applicable air permit limits. I issued demolition and install drawings and set commissioning test points for airflow and differential pressure.
- Capital Projects Budget and Forecast — Multi site, OR WA AZ (2024 to 2025)  
I compiled project scopes, quantities, and vendor quotes into a capital plan and I built cost and schedule models for the upcoming budget year. I calculated expected production gains and cost per ton impact by project and I recommended phasing and contingency allowances based on market and lead time risk.
- Vendor Training and Technology Evaluation — Las Vegas, Nevada and remote (2023 to 2025)  
I completed technical training on dredge systems and performed structured vendor evaluations during Mine Expo and Con Agg. I compared equipment specifications, performance curves, and support models and I issued a selection matrix with recommendations for trials and standardization.

Hillsboro Oil Storage Shed and SPCC Measures — Hillsboro, Oregon (2024 to 2025)

I designed the storage shed foundations and framing, calculated slab, footing, and anchorage, and detailed secondary containment and drainage consistent with spill prevention control and countermeasure requirements. I prepared the permit drawings and coordinated inspections, then I verified installation against design and issued closeout documentation.

Cone Crusher Stand Design and Field Engineering — Santosh Mine, Scappoose, Oregon (2024 to 2024)

I designed a new cone crusher support frame and foundation, calculated static and dynamic loads, base plates, anchors, and grout requirements, and verified clearances and maintenance access. I issued fabrication drawings and field sketches and I witnessed alignment checks and test runs during commissioning.

Chehalis Reclaimer Layout — Chehalis, Washington (2024 to 2024)

I produced layout drawings for a reclaimer installation, including stockpile geometry, reclaim tunnel alignment, conveyor take away, and access platforms. I calculated live capacity, reclaim rate, and support reactions and I coordinated interface details with civil and electrical.

East Vancouver Ready Mix Weigh Hopper — Vancouver, Washington (2025 to 2025)

I designed a new weigh hopper and support details, calculated bin loads, support framing, and foundation checks, and prepared the fabrication and installation package. I completed the parts list and material releases and coordinated delivery ahead of the planned outage.



ADDITIONAL INFORMATION



TIME GAPS

Start Date	End Date	Explanation
February 2016	December 2017	Worked as coal production foreman with experience being unrelated to engineering.

# 7. Oral Interview

## Gregory Lindsey

**ORAL INTERVIEW**  
**THURSDAY, July 18, 2024**

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Name: **Gregory Lindsey**

Discipline: **PLS**

**Comments:** Evaluate quality and applicability of concurrent experience.

**Motion:**

**Second:**

**Action:**


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# GREGORY LINDSEY (23-212-87)

All work experience reviewed by two licensed professionals

DISCIPLINE: LAND SURVEY

## GENERAL




*Applying To*  
**Nevada**

*Application Type*  
**Initial - PS**

*Application Date*  
**06/24/2025**

*Citizenship*  
**United States**

## SUMMARY







*Surveying Experience after ANSAC degree*  
**3 months**

*Total Surveying Experience*  
**4 years**

*Experience under licensed surveyor*  
**4 years**

*Other Experience*

*Disciplinary Action*  
**None reported**




## EDUCATION



*Bachelors in Geomatics (ASAC)*  
**Oregon Institute of Technology**  
**March 2021–March 2025**

## EXAMS



*Fundamentals of Surveying (FS)*  
**California**  
**September 2023**

*Principles and Practice of Surveying (PS)*  
**California**  
**May 2025**



## LICENSES



*Additional Licenses*  
**None**

GREGORY LINDSEY (23-212-87)

All work experience reviewed by two licensed professionals

WORK EXPERIENCE

PEO Brokers  
California (United States)  
COO of insurance agency specializing  
in workers comp.  
January 2018—September 2020

Verified by

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



DESCRIPTION

# GREGORY LINDSEY (23-212-87)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Webb Land Surveying  
California (United States)  
Prty Chief/Technician 3  
October 2020—April 2023

Verified by  
**Matthew Scott Webb**  
matt@webblandsurveying.com

Experience Summary  
**Full-Time**  
**Surveying: 2 years, 6 months**  
**Experience under licensed surveyor:**  
**2 years, 6 months**



### TASKS

Involved in all stages of the survey process. Reasearch, composite maps, filed work, data reduction and final deliverables. My introduction to surveying job which taught me the basics in the field and office tasks including CAD. Added more tasks as I developed better skills and knowledge.



### REPRESENTATIVE PROJECTS

Project: Morken Family Record of Survey  
date- 07/2021

location- North Lake Tahoe, CA

I performed the field survey for the residential vacant lot as well as the foundation staking.

Material descrepencies were found during the survey which triggered an ROS. Cal-Trans had recently surveyd the ROW and monumentation was found that was of no record. I tracked down the needed information from the district that contiols the area. The lot frontage, on the ROW, had to be prorated across the entire subdivision as only the outermost bounds had record monuments.

Project: Lakeshore Falken House  
date- 06/2022

loctation- Incline Village, NV

A 50 million dollar residential house project on Lake Tahoe which required shoring during excavation and I set up the monitoring for it using unique control points to ensure high accuracy measurments as dictated by local agencies.

After inital excavation I took the design plans and drawings to extract the massive foundation and create the stake points.

# GREGORY LINDSEY (23-212-87)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Psomas  
California (United States)  
Surveyor III  
May 2023—June 2024

Verified by  
**Steven Brian Killmer**  
steven.killmer@psomas.com

Experience Summary  
**Full-Time**  
**Surveying: 1 year, 1 month**  
**Experience under licensed surveyor:**  
**1 year, 1 month**



### TASKS

Office surveyor working under survey group manager for large agency contracts.  
Was also tasked with bridging the gap with the geomatics team and the survey team, more specifically, integrating GIS systems to better track survey data company wide.  
Began training with remote sensing data for large mapping projects. Gained my LSIT while working here.



### REPRESENTATIVE PROJECTS

Project: American River Flood Insurance - SAFCA  
date- 05-09/2023  
location- Sacramento Valley, CA  
State of California needed to update insurance with FEMA and I oversaw mapping the entire system as well as updating maintenance easements.  
I utilized many techniques to complete the task including, harmonizing sequential conveyances abutting simultaneous conveyances and the chain of rights that accompanies, marrying LiDAR point clouds with historical imaging and conventional data to determine the changes in course along the river over time to ensure proper placement of shifted easements.

Project: CA Fish & Wildlife - Lake Berryessa  
date- 02/2024  
location- Lake Berryessa, CA  
Boundary line agreement between multiple parties with the adjoiner being a rancho. I did enhanced research to track down the timeline of lands around the rancho. Talked to local land owners to obtain parcel evidence of the boundary. I coordinated the project across government agencies and private parties.

# GREGORY LINDSEY (23-212-87)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Epoch Geospatial and Land Surveying  
Services, LLC  
California (United States)  
Project Surveyor  
May 2024—August 2024

Verified by  
**Michael Farrauto**  
michael@epoch-geo.com

Experience Summary  
**Full-Time**  
**Surveying: 3 months**  
**Experience under licensed surveyor:**  
**3 months**



### TASKS

Oversaw projects from initial setup to final deliverables and all aspects in between.  
Helped to manage the field crews and oversaw their work, both in the field and in the office.  
Took on other responsibilities on the business side of things as well. Marketing, administrative work, amongst other daily business tasks.  
Overall, 90% survey work.



### REPRESENTATIVE PROJECTS

Project: California Fish and Wildlife Control  
Date: July 2024  
Location: South Lake Tahoe, CA

I did my first full static network for CA Fish and Wildlife, utilizing my experience with processing GPS data and applying that to my first field collection. I tied into published NGS control as well as set points with overlapping observations during the field visit. Post-field work involved OPUS and tying to CORS stations for the best solution.



# GREGORY LINDSEY (23-212-87)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Lumos & Associates  
Nevada (United States)  
Survey Coordinator  
March 2025—June 2025

Verified by  
**Michael Benj Craven**  
mcraven@lumosinc.com

Experience Summary  
**Full-Time**  
**Surveying: 3 months**  
**Post ASAC degree: 3 months**  
**Experience under licensed surveyor:**  
**3 months**



### TASKS

Work directly under the group manager leading crews with daily instructions, attending project meetings, writing proposals, perform field work, and reduce and draft data using TBC and CAD.

Majority of the office tasks I perform are writing legal descriptions, drafting composite maps for crews, resolving boundaries, and producing final maps and reports.

For my survey calculations I mainly use computer aided tools like TBC for adjusting static observations, CAD for all other point transformation, and hand calcs with hp-35 or excel when I only have plans to go from.



### REPRESENTATIVE PROJECTS

Project: FAA Elevation Certification

date- 04/2025

location- South Lake Tahoe Airport, CA

I coordinated between the airport and the FAA consultant to certify that the as-built elevation of the new building next to the tower meet design specs.

Set up a control network on required coordinate system using NGS published monuments to tie into the location of the building and conform to the survey contract.

I made sure to meet and exceed the required order of accuracy. Part of this field procedure, along with many others I work on, required me to use both conventional and GNSS data to tie into known points.

Drafted the certification letter for the FAA and pertinent report of the survey.

GREGORY LINDSEY (23-212-87)

All work experience reviewed by two licensed professionals

ADDITIONAL INFORMATION



TIME GAPS

Start Date	End Date	Explanation
June 2002	December 2017	Unable to change dates on this. 8/24 - 3/25 I was finishing my Geomatics degree and was unemployed for this time period.

# 8. September 11, 2025, Board Meeting Minutes

**NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS**  
**Minutes of the Regular Board Meeting**  
**Held at 241 W Charleston Boulevard, Suite 130, Las Vegas, NV 89102**  
**on Thursday, September 11, 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 Tom Matter, Public Member. Board member Jay Dixon, PE, was excused.

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

**1. Meeting conducted by Chair Brent Wright, call to order and roll call of board members to determine presence of quorum—board members Matt Gingerich, Angelo Spata, Karen Purcell, Michael Kidd, Thomas Matter, Jay Dixon, Robert Fyda, Greg DeSart.**

Mr Wright called the meeting to order, and a quorum was determined.

**2. Pledge of Allegiance.**

Following the Pledge of Allegiance, Mr Wright asked for moment of silence in remembrance of those that lost their lives in the tragic events of September 11, 2001.

Mr Wright then read the Board's purpose and mission.

*The purpose of the board as stated in Nevada Revised Statute 625.005 is to safeguard life, health and property and to promote the public welfare by providing for the licensure of qualified and competent professional engineers and professional land surveyors and our mission is founded on the board's purpose, the board's mission is to uphold the value of professional engineering and land surveying licensure by assessing minimum competency for initial entry into the profession and to insure on going standard of professionalism by facilitating compliance with laws regulations and code of practice and to provide understanding and progression in licensure by openly engaging with all stake holders.*

**3. Public comment.**

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

**4. Introductions.**

Board members and staff introduced themselves.

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

There were no waiver requests to be considered by the board.

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

The Board reviewed eleven applications in the board packet for initial licensure. Mr Wright asked for any board member comments or concerns related to the applications.

Ms Purcell said the only comment she had related to the application by Mr Buendia, where he was requesting special consideration. She said he is lacking experience following his degree – 5 months short, and her recommendation would be to deny the application.

Mr DeSart said he had similar concerns with Mr Buendia's experience and agreed with Ms Purcell's opinion.

Mr Spata agree with the previous board member comments.

Mr Fyda said he had the same concerns with Mr Buendia's application.

Mr Gingerich said concurred with board member concerns

Mr Kidd said he agreed with denial for Mr Buendia's application.

Mr Wright said he agrees with the concerns and commented that the board is seeing an increase in special considerations relating to concurrent experience. He said the topic may be something for future consideration by the legislative committee. (ACTION Item)

Mr DeSart said agreed concurrent experience is worthy of additional discussion at the committee and board level. Requests are being seen more often, and it is one of the board's biggest responsibilities in determining if an applicant's experience is satisfactory and the benchmark has been four years progressive engineering experience post engineering degree. He added the experience is viewed not just by quantity but also by quality. Mr DeSart added the board has been consistent in applying that benchmark, but he has concerns when the lines get blurred with dual experience or special considerations that some of that consistency is lost. He said maybe requiring an oral interview for those outside of the norm could be added as standard practice.

Mr Spata said he agreed with Mr DeSart that more special consideration requests are being seen and we do not want to lower any standards. He said a triggered oral interview is a possibility worthy of further discussion.

Mr Matter said he had empathy for Mr Beudia as engineering students are bound by their school's schedule as to when classes are offered – something he experienced – which can have an impact on the timeframes in which a course requirement can be completed.

25-57 A motion was made by Ms Purcell, seconded by Mr Kidd to approve the applications for initial licensure contained in the board packet with recommendation noted. The motion

passed with seven ayes and one no. Mr Dixon was excused from the vote.

The Board reviewed an additional application in the supplement to the board packet for initial licensure. Mr Wright asked for any board member comments or concerns related to the application. There were none.

25-58 A motion was made by Mr Gingerich, seconded by Mr Fyda to approve the application for initial licensure contained in the supplemental board packet. The motion passed unanimously. Mr Dixon was excused from the vote.

**7. Consideration of non-appearance initial licensure application for Mr Quinlan Parker that was tabled at the August 14, 2025, Interim Board meeting.**

Mr Fakler said related to this item, staff have supplied the board with a memo in the meeting material to give a background and discussion on the masters and its equivalency for experience for consideration.

Mr Wright asked for any board member discussion related to the application.

Mr DeSart said as the memo outlines, this is a straightforward discussion, especially since there is no overlapping experience to be considered. It is clear as the statute is written, a masters – however long it took to be conferred – is the equivalent of two years active experience.

Ms Purcell said she agreed with Mr DeSart summation, but requested an item be added to a future legislative committee relating to the experience equivalency assigned to master's degree. It was her understanding that NCEES Model Law assigned the equivalence of one year and she would like to discuss whether a revision to Nevada statutes needed to be considered. (ACTION Item)

Mr Kidd asked for clarification that to be considered, the masters was required to be in engineering or land surveying – not something like an MBA.

Mr Fakler confirmed that it would need to be in a masters in engineering for PE licensure and land surveying for PLS licensure.

Mr Matter asked if the legislative committee could also put some consideration into to the time requirement for undergraduate degrees and whether the four year timeframe is still relevant. (ACTION Item)

25-59 A motion was made by Mr DeSart, seconded by Ms Purcell to approve Mr Parker's application for initial licensure. The motion unanimously. Mr Dixon was excused from the vote.

**8. Discussion and possible action related to acceptance of land surveying experience obtained concurrently with land surveying education.**

Mr Fakler said this an item for the board to consider experience gained by an applicant for licensure as the land surveyor. Historically the board has given credit to land surveyor applicants for experience

prior to education and for experience post degree. This discussion, relating only to land surveyor applicants, is whether credit is given for experience gained at the same time as education. He added that a memo has been provided in the materials to provide some background to help the members with this discussion.

Mr Kidd said it should be noted that there is a significantly different path to licensure for land surveyors as there is for engineers.

Mr DeSart agreed and appreciated that the memo was clear in that distinction. He said, as mentioned earlier in a previous agenda item, any evaluation of experience needs to be consistent – but also be flexible and reasonable – and when that experience being considered is non-standard an oral interview be considered as part of quality of experience evaluation.

Mr Spata agreed with applications outside the norm, requesting an oral interview is an effective means to evaluate the applicability of experience.

Mr Gingerich said there are definite distinctions between land surveyor and engineering experience pathways. Then said the quantity of experience is one thing, the quality is the other. He agreed that when an applicant has a non-standard application, in a land surveying scenario related to the memo, an oral interview to evaluate the applicability of experience would be important.

Mr Fakler said to meet the statutory requirement of the active experience being satisfactory to the board, employing additional means to help the board assess the applicability of that experience is at the discretion of the board.

Mr DeSart said assessing unique applications may take time, additional time and resources, but to be assured of the minimal competency is what the board is tasked with doing.

Mr Wright asked for clarification on whether the whole board would conduct the oral interviews, or just those members in the specific discipline.

There was a brief discussion, and it was determined that the whole board would participate and those with specific technical knowledge would lead the questioning.

There was a suggestion put forward of posting an experience requirement guide for land surveying on the website to aid specifics in describing active experience. After discussion, and clarification that the NCEES does provide generic guidelines to aid applicants in completing the experience section of their NCEES record, it decided not to add an additional guide to the website.

Mr DeSart suggested that some direction be given to staff when reviewing land surveyor applications where a consideration for concurrent experience is apparent, that an oral interview to assess the candidates active experience be triggered.

Mr Spata added that any oral interview be aligned with scheduled regular board meetings unless a hardship dictates otherwise. In addition, he said in-person interviews would be preferable but via video conference can also be an option.

- 25-60 A motion was made by Mr DeSart, seconded by Mr Kidd to direct staff, that when it is determined that an applicant for initial land surveying licensure is requesting consideration of concurrent experience, an oral interview agenda item to assess the applicability of applicant's experience be added to the next scheduled regular board meeting. The motion passed unanimously. Mr Dixon was excused from the vote.

Mr Fakler said he would relay and discuss the direction with staff to develop a process. (ACTION Item)

**9. Discussion and possible action on approval of July 17, 2025, board meeting minutes.**

- 25-61 A motion was made by Mr Spata, seconded by Mr Kidd to approve the July 17, 2025, board meeting minutes with the recommended revisions noted. The motion passed unanimously. Mr Dixon was excused from the vote.

**10. Discussion and possible action on approval of July 30, 2025, special board meeting minutes.**

- 25-62 A motion was made by Ms Purcell, seconded by Mr Gingerich to approve the July 30, 2025, special board meeting minutes. The motion passed unanimously. Mr Dixon was excused from the vote.

**11. Discussion and possible action on approval of August 14, 2025, interim board meeting minutes.**

- 25-63 A motion was made by Mr Kidd, seconded by Ms Purcell to approve the July 30, 2025, special board meeting minutes. The motion passed unanimously. Mr Dixon was excused from the vote, and Mr Spata abstained as he was not present at the meeting.

**12. Discussion and possible action on financial statements.**

**a. June 2025**

**b. July 2025**

Mr Fakler said the listed financial statements were held back from the board materials as they being reviewed and finalized as part of 24/25 FY annual audit. He said they will be included for consideration at the next regular board meeting.

**13. Discussion and possible action on compliance reports by Compliance Officer.**

**a. Compliance officer report on complaints being investigated.**

Mr Blaney reported on the status of the six (6) open compliance case files. He also noted there were eleven additional complaints under review for probable cause. There were no questions from the board.



**b. Consideration of probation reports.**

Dooley Riva, PE #18231      Buckley Blew, PLS #24520  
Mark Johnson, PE #19830      Andrew Hammond, PE/PLS #21191  
Lyle Scott Mackay, PE #15131      Kevin Gutman, PE #28002

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

**14. Discussion on Board Counsel Report.**

Mr MacKenzie reported that following the oral interview held at the July board meeting, the stipulation terms proposed have been finalized and approved by the designated board liaisons. The stipulated agreement will be sent to the respondent for consideration this week. He added that we are in the process of finding a hearing officer for another pending matter, and once that is determined a hearing date will be scheduled.

**15. 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**

**i. Discuss details related to future strategic planning session**

Mr Fakler said the strategic planning update session is on November 5, 2025, from 1PM to 5PM in Reno. He added that three stakeholder guests have been invited and have accepted to participate in the session.

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

**i. 2025 annual meeting summary of actions**

Mr Fakler said following the NCEES annual meeting last month, the Annual Meeting Summary of Actions report relating voting outcomes has been included in the board materials.

Mr MacKenzie said the recent meeting was the first he had attended and he was impressed by the structure and professionalism of the meeting, and it was a credit to the respective professions.

Mr Fakler said the next annual meeting would be held in Henderson, NV. He added he will be in contact with NCEES about any input the Nevada Board can offer to the planning and hosting of the event. (ACTION Item)

## **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 recently but did have a meeting scheduled October 22 to review the draft audit report.

### **b. Legislative Committee report, Chair Greg DeSart**

Mr DeSart said the committee had not met since the last board meeting but has a number of topics pending for a meeting agenda. He said a meeting has been scheduled for October 16 and he would report back at the November meeting.

### **c. Professional Association Liaison Committee, Chair Michael Kidd**

Mr Kidd said the PAL committee met on September 9 which was well attended. The main focus was updates on board activities by our executive director and the participants were made aware of the upcoming strategic planning session.

### **d. Public Outreach Committee, Chair Jay Dixon**

Mr Fakler said Mr Dixon is excused from today's meeting and the committee has not met recently, but has a meeting scheduled early in the new year.

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

Mr Gingerich said the committee had not met since earlier in the year but has a meeting scheduled for October 21 to review items moved over from the legislative committee.

### **f. Governmental Outreach Committee, Chair Karen Purcell**

Ms Purcell said the newly formed committee is looking to schedule an initial meeting in the later in October. Ms Purcell added she is currently reviewing a draft agenda and calendar invites will be sent when the date and time are finalized. (ACTION Item)

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

Ms Wilson reported that B&I are developing regulations. This is a result of SB 431 passed in the previous legislative session which created the authority to promulgate regulations. She added there are five boards that are currently working on the regulations that are being consulted by B&I in this draft process, that she is in contact with a few of the EDs of those boards and getting updates. Ms Wilson said the timeline for release to other board EDs to review has likely been impacted by the recent cyber-attack on the state. The initial goal was to have them in place by November but that is now in flux. Ms Wilson gave an update on the possible seat changes and other key position races for the upcoming 2026 elections and would inform the board things progressed.

Mr MacKenzie mentioned an article of interest in today's Nevada Independent and suggested staff circulate to board members. He said it related concerns by B&I about the board's hiring of lobbyists.

Mr Blaney said he had spoken with board's in other states that were prevented from hiring lobbyists, and anecdotally, they had expressed frustration at the having to be fulfilled by staff and often resulting in carrying an extra fulltime employee at full expense. Mr Blaney suggested having a contracted Government Affairs Liaison on retainer was fiscally more prudent in comparison.

**18. Consider bill draft requests proposed by the Legislature to amend Nevada Revised Statutes related to regulatory boards and/or changes to Nevada Revised Statutes chapter 625, 329, and 327.**

Mr Fakler said there were no current items to discuss at this time.

**19. Discussion and possible action on status of Board and staff assignments.**

Mr Fakler said the list of current open action items was in the board packet and asked if board members had any questions. There were none.

**20. Discussion and possible action on meeting dates.**

Mr Fakler said the meeting dates were presented in the meeting materials and asked if there were any requested adjustments or questions. There were none.

**21. 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.**

No topics were put forward for future meetings.

**22. Public comment.**

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

**23. Adjournment.**

Mr Wright thanked board members for their participation and adjourned the meeting at 9:40 am.

Respectfully,

Mark Fakler  
Executive Director

# Addendum A - September Initial

LNAME	FNAME	ABREV	COMMENTS
Barnard	Chase	CE	Board approved; 9/11/25
Buendia	Daniel	CE	Board denied, 9/11/25 Need to reapply when he has 4 years of experience.
Croze	Benjamin	CE	Board approved; 9/11/25
Edelman	Joshua	CE	Board approved; 9/11/25
Jazrawi	Nivin	CE	Board approved; 9/11/25

LNAME	FNAME	ABREV	COMMENTS
Nguyen-Schneider	Thi	CE	Board approved; 9/11/25
Parker	Quinlan	CE	Board approved; 9/11/25
Schikora	Derek	CE	Board approved; 9/11/25
Zalghout	Ali	CE	Board approved; 9/11/25
Smithson	Dan	EE	Board approved; 9/11/25
Mao	Darwin	ME	Board approved; 9/11/25

LNAME	FNAME	ABREV	COMMENTS
Pandey	Rohit	MINE	Board approved; 9/11/25
Lawson	Leanne	SE	Board approved; 9/11/25

9. October 9, 2025,  
Interim Board Meeting  
Minutes

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

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

Also participating were Mark Fakler, Executive Director; Chris MacKenzie, Board Legal Counsel; Murray Blaney, Operations and Compliance; and Jasmine Bailey, Licensing.

**1. Meeting conducted by Chair Brent Wright, call to order and roll call of board members to determine presence of quorum—board members Angelo Spata, Karen Purcell, Michael Kidd, Thomas Matter, Jay Dixon, Matt Gingerich, Robert Fyda, Greg DeSart.**

Mr Wright called the meeting to order, and a quorum was determined.

**2. Public comment.**

There was no public comment virtually or via email.

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

There were no waiver requests to be considered.

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

The Board reviewed twenty applications in the board packet for initial licensure.

25-64 A motion was made by Mr Spata, seconded by Mr DeSart to approve the applications for initial licensure contained in the board packet. The motion passed unanimously. Mr Kidd, Mr Dixon, and Ms Purcell were excused from the vote.

**5. Public comment.**

There was no public comment virtually or via email.

**6. Adjournment.**



Mr Wright thanked board members for their participation and adjourned the meeting at 9:20 am.

Respectfully,

Mark Fakler  
Executive Director

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# Addendum A - October Initial

ABREV	LNAME	FNAME	COMMENTS
CE	Alqudsi	Nouraldin	<div>Board approved; 10/9/25</div>
CE	Cheng	Timothy	<div>Board approved; 10/9/25</div>
CE	Conway	Benjamin	<div>Board approved; 10/9/25</div>
CE	Diaz	Matthew	<div>Board approved; 10/9/25</div>
CE	Phillips	Mason	<div>Board approved; 10/9/25</div>

ABREV	LNAME	FNAME	COMMENTS
CE	Price	Trevor	Board approved; 10/9/25
CE	Rios Morales	Jehovana	Board approved; 10/9/25
CE	Shaik Talupula Marrimanu	Siddiq	Board approved; 10/9/25
CE	Villafuerte	Isabella	Board approved; 10/9/25
CE	Villavan Kothai	Dravid Sabarish	Board approved; 10/9/25
EE	Prado	Russ John	Board approved; 10/9/25

ABREV	LNAME	FNAME	COMMENTS
ENVE	Huston	Bella	Board approved; 10/9/25
ME	Ammar	Hassan	Board approved; 10/9/25
ME	Biersdorff	Brian	Board approved; 10/9/25
ME	Cueto	Patrick Kevin	Board approved; 10/9/25
ME	Hughes	Mason	Board approved; 10/9/25
ME	Lopez	Jesse	Board approved; 10/9/25

ABREV	LNAME	FNAME	COMMENTS
ME	Slater	Ethan	Board approved; 10/9/25
PLS	Henderson	John	Board approved; 10/9/25
PLS	Mason	Elizabeth	Board approved; 10/9/25

# 10. Financial Statements

10.a. June 2025

# Nevada State Board of Professional Engineers and Land Surveyors

## Budget vs. Actuals: Budget\_FY25\_P&L by Class - FY25 P&L Classes

July 2024 - June 2025

	TOTAL			
	ACTUAL	BUDGET	OVER BUDGET	% OF BUDGET
Income				
4000 REVENUE	1,290,406.72	1,141,200.00	149,206.72	113.07 %
<b>Total Income</b>	<b>\$1,290,406.72</b>	<b>\$1,141,200.00</b>	<b>\$149,206.72</b>	<b>113.07 %</b>
GROSS PROFIT	<b>\$1,290,406.72</b>	<b>\$1,141,200.00</b>	<b>\$149,206.72</b>	<b>113.07 %</b>
Expenses				
5100 PAYROLL EXPENSES	687,953.92	694,200.00	-6,246.08	99.10 %
5110 PAYROLL TAXES	47,168.84	67,650.00	-20,481.16	69.72 %
6001 OPERATING EXPENSES	865,469.48	799,200.00	66,269.48	108.29 %
<b>Total Expenses</b>	<b>\$1,600,592.24</b>	<b>\$1,561,050.00</b>	<b>\$39,542.24</b>	<b>102.53 %</b>
NET OPERATING INCOME	<b>\$ -310,185.52</b>	<b>\$ -419,850.00</b>	<b>\$109,664.48</b>	<b>73.88 %</b>
NET INCOME	<b>\$ -310,185.52</b>	<b>\$ -419,850.00</b>	<b>\$109,664.48</b>	<b>73.88 %</b>



# Nevada State Board of Professional Engineers and Land Surveyors

## Profit and Loss

June 2025

	TOTAL	
	JUN 2025	JUL 2024 - JUN 2025 (YTD)
Income		
4000 REVENUE		
4201 Application Fees	-9,000.00	0.00
4202 PE Comity Application	19,500.00	157,250.00
4203 PLS Comity Application	350.00	6,000.00
4204 PE Initial License Application	125.00	5,675.00
4205 PLS Initial License Application	75.00	200.00
4206 PE Reinstatement Application	1,600.00	18,000.00
4207 PLS Reinstatement Application	400.00	1,200.00
4208 EI Certification Application	5,950.00	11,750.00
<b>Total 4201 Application Fees</b>	<b>19,000.00</b>	<b>200,075.00</b>
4250 Renewals & Exam Fees		0.00
4251 PE/PLS Renewals	110,675.00	764,050.00
4252 Renewal Late Fees	17,450.00	19,200.00
4253 PE License Fees	67,950.00	99,900.00
4254 PLS License Fees	-50.00	0.00
4255 NV Specific Exam Fees	3,200.00	3,600.00
<b>Total 4250 Renewals &amp; Exam Fees</b>	<b>199,225.00</b>	<b>886,750.00</b>
4300 Other Revenue		
4301 Replacement Certificate/Pocket	40.00	655.00
4303 Interest Income	6,799.05	86,199.22
4304 Discipline Pd to NV Gen Fund	-2,287.50	4,450.00
4305 Investigative Cost Recovery	2,287.50	5,577.50
4306 Miscellaneous		300.00
4307 Firm Registration	2,700.00	105,550.00
4311 Waiver/Document Fees	850.00	850.00
<b>Total 4300 Other Revenue</b>	<b>10,389.05</b>	<b>203,581.72</b>
<b>Total 4000 REVENUE</b>	<b>228,614.05</b>	<b>1,290,406.72</b>
<b>Total Income</b>	<b>\$228,614.05</b>	<b>\$1,290,406.72</b>
GROSS PROFIT	<b>\$228,614.05</b>	<b>\$1,290,406.72</b>
Expenses		
5100 PAYROLL EXPENSES		
5101 Accrued Benefits	-8,526.32	-8,526.32
5102 Employee Health Insurance	4,756.11	62,487.56
5103 Employee IRA/SEP	12,352.01	43,428.34
5105 Payroll Service Fees	210.11	2,326.87
5107 Salaries	53,311.22	576,987.47
5108 Board Salaries	225.00	11,250.00
<b>Total 5100 PAYROLL EXPENSES</b>	<b>62,328.13</b>	<b>687,953.92</b>

# Nevada State Board of Professional Engineers and Land Surveyors

## Profit and Loss

June 2025

	TOTAL	
	JUN 2025	JUL 2024 - JUN 2025 (YTD)
5110 PAYROLL TAXES		
5111 FICA	3,305.29	35,797.98
5113 Medicare	772.99	8,372.06
5114 Modified Business Tax	699.17	2,260.58
5116 SUINV		457.58
5117 SUI	7.12	280.64
<b>Total 5110 PAYROLL TAXES</b>	<b>4,784.57</b>	<b>47,168.84</b>
6001 OPERATING EXPENSES		
6006 Office Supplies	3,037.84	10,477.72
6007 Equipment/Furniture		259.71
6009 Maintenance		36.00
6010 Equipment Purchases		3,869.28
6011 Equipment Leasing	292.14	3,249.08
6012 Software		
6012.5 Software	582.07	9,817.71
<b>Total 6012 Software</b>	<b>582.07</b>	<b>9,817.71</b>
6015 Website Hosting		17,222.01
<b>Total 6007 Equipment/Furniture</b>	<b>874.21</b>	<b>34,453.79</b>
6101 Insurance		
6102 Workers Comp	2,006.32	5,348.86
6103 General Liability		1,630.02
6104 Office Contents		1,473.90
<b>Total 6101 Insurance</b>	<b>2,006.32</b>	<b>8,452.78</b>
6201 Postage		200.00
6202 Postage	1,649.18	14,737.08
6202.5 E-Postage	200.00	2,306.00
<b>Total 6201 Postage</b>	<b>1,849.18</b>	<b>17,243.08</b>
6301 Board Meetings		
6302 Travel - Out of State		572.62
6303 Travel - In State	1,873.63	31,025.79
6304 Board Meeting Expenses	78.02	2,896.50
<b>Total 6301 Board Meetings</b>	<b>1,951.65</b>	<b>34,494.91</b>
6401 Printing		
6402 Printing General		1,521.75
<b>Total 6401 Printing</b>		<b>1,521.75</b>

# Nevada State Board of Professional Engineers and Land Surveyors

## Profit and Loss

June 2025

	TOTAL	
	JUN 2025	JUL 2024 - JUN 2025 (YTD)
6501 Professional Services		
6502 Legal		
6503 Board Meetings	1,545.00	59,826.85
6504 Regulations/Legislation		4,810.00
6504.5 Regulations/Legislation	292.50	3,347.50
<b>Total 6504 Regulations/Legislation</b>	<b>292.50</b>	<b>8,157.50</b>
6505 Discipline	1,495.00	42,719.92
<b>Total 6502 Legal</b>	<b>3,332.50</b>	<b>110,704.27</b>
6508 Accounting Fees	3,700.00	51,380.00
6509 Government Liaison Services		
6509.1 Def Exp-Government Liaison		10,000.00
6509.5 Government Liaison	2,048.03	14,159.04
<b>Total 6509 Government Liaison Services</b>	<b>2,048.03</b>	<b>24,159.04</b>
6510 Database/Website Design		
6510.2 Deferred Exp-Database Update	165.00	28,390.00
6510.5 Database/Website Design		306.70
<b>Total 6510 Database/Website Design</b>	<b>165.00</b>	<b>28,696.70</b>
6511 Public Outreach	2,075.00	21,913.56
6514 Contract Labor		
6514.1 Def Exp-Contract Labor	13,440.00	196,647.21
6514.5 Contract Labor	7,349.34	34,796.69
<b>Total 6514 Contract Labor</b>	<b>20,789.34</b>	<b>231,443.90</b>
6515 IT Support	1,297.00	15,665.00
<b>Total 6501 Professional Services</b>	<b>33,406.87</b>	<b>483,962.47</b>
6601 Program Services		
6604 NCEES		
6605 Dues		6,500.00
6606 Registration		7,395.00
6607 Travel	80.30	23,743.01
<b>Total 6604 NCEES</b>	<b>80.30</b>	<b>37,638.01</b>
6615 Bank Fees	99.58	1,045.47
6616 Merchant Services Fees	20,649.47	107,116.65
6630 LAS Office Support	1,968.20	8,883.10
<b>Total 6601 Program Services</b>	<b>22,797.55</b>	<b>154,683.23</b>

# Nevada State Board of Professional Engineers and Land Surveyors

## Profit and Loss

June 2025

	TOTAL	
	JUN 2025	JUL 2024 - JUN 2025 (YTD)
6700 Other		
6704 State Administrative Fees		
6705 Attorney General		1,319.13
6709 Email - EITS	278.00	3,266.50
6710 Leg. Counsel Bureau		850.00
<b>Total 6704 State Administrative Fees</b>	<b>278.00</b>	<b>5,435.63</b>
<b>Total 6700 Other</b>	<b>278.00</b>	<b>5,435.63</b>
6801 Training & Conferences		
6802 Travel - Out of State		6,200.59
6803 Travel - In State		2,745.84
6804 Registration	750.00	3,023.32
<b>Total 6801 Training &amp; Conferences</b>	<b>750.00</b>	<b>11,969.75</b>
6900 Other Expenses		
6901 Taxes and Licenses		172.10
<b>Total 6900 Other Expenses</b>		<b>172.10</b>
Non State Owned Office Bldg.		
6002 Rent		
6002.2 Rent	8,858.64	93,728.59
<b>Total 6002 Rent</b>	<b>8,858.64</b>	<b>93,728.59</b>
6004 Utilities	117.66	1,725.25
6005 Telephone/Internet	634.70	7,148.43
<b>Total Non State Owned Office Bldg.</b>	<b>9,611.00</b>	<b>102,602.27</b>
<b>Total 6001 OPERATING EXPENSES</b>	<b>76,562.62</b>	<b>865,469.48</b>
<b>Total Expenses</b>	<b>\$143,675.32</b>	<b>\$1,600,592.24</b>
<b>NET OPERATING INCOME</b>	<b>\$84,938.73</b>	<b>\$ -310,185.52</b>
<b>NET INCOME</b>	<b>\$84,938.73</b>	<b>\$ -310,185.52</b>

# Nevada State Board of Professional Engineers and Land Surveyors

## Balance Sheet As of June 30, 2025

	TOTAL
<b>ASSETS</b>	
Current Assets	
Bank Accounts	
1001 ASSETS	2,291,000.19
<b>Total Bank Accounts</b>	<b>\$2,291,000.19</b>
Other Current Assets	
1305 Prepaid Expense	17,334.20
1310 Prepaid Lease/Deposit	5,005.00
<b>Total Other Current Assets</b>	<b>\$22,339.20</b>
<b>Total Current Assets</b>	<b>\$2,313,339.39</b>
<b>TOTAL ASSETS</b>	<b>\$2,313,339.39</b>
<b>LIABILITIES AND EQUITY</b>	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 Accounts Payable	59,012.02
<b>Total Accounts Payable</b>	<b>\$59,012.02</b>
Credit Cards	
2027 Western Alliance Bank CC 3433	9,465.12
<b>Total Credit Cards</b>	<b>\$9,465.12</b>
Other Current Liabilities	
2001 Payroll Liabilities	29,469.72
2100 Accrued Payroll	13,030.38
4100 Deferred Revenue	903,428.75
<b>Total Other Current Liabilities</b>	<b>\$945,928.85</b>
<b>Total Current Liabilities</b>	<b>\$1,014,405.99</b>
<b>Total Liabilities</b>	<b>\$1,014,405.99</b>
Equity	
3510 Website Phase 2	30,000.00
3520 Data System Upgrade	175,000.00
3530 Electronic/Digital Pathway	175,000.00
3900 Retained Earnings	1,229,118.92
Net Income	-310,185.52
<b>Total Equity</b>	<b>\$1,298,933.40</b>
<b>TOTAL LIABILITIES AND EQUITY</b>	<b>\$2,313,339.39</b>

# Nevada State Board of Professional Engineers and Land Surveyors

## Balance Sheet As of June 30, 2025

	TOTAL
<b>ASSETS</b>	
Current Assets	
Bank Accounts	
1001 ASSETS	0.00
1051 First Indep. Bank - Operating	194,230.62
1052 First Indep. Bank - Payroll	3,270.67
1053 First Indep. Bank - Petty Cash	2,527.94
1054 First Indep. Bank - MMA	109,504.78
1055 First Indep. Bank - 24mo CD	592,002.01
1057 First Indep. Bank - 12mo CD	289,352.31
1058 First Indep. Bank - 24mo FlexCD	575,784.84
1059 First Independent Bank - 90 day CD	524,327.02
<b>Total 1001 ASSETS</b>	<b>2,291,000.19</b>
<b>Total Bank Accounts</b>	<b>\$2,291,000.19</b>
Other Current Assets	
1305 Prepaid Expense	17,334.20
1310 Prepaid Lease/Deposit	5,005.00
<b>Total Other Current Assets</b>	<b>\$22,339.20</b>
<b>Total Current Assets</b>	<b>\$2,313,339.39</b>
<b>TOTAL ASSETS</b>	<b>\$2,313,339.39</b>
<b>LIABILITIES AND EQUITY</b>	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 Accounts Payable	59,012.02
<b>Total Accounts Payable</b>	<b>\$59,012.02</b>
Credit Cards	
2027 Western Alliance Bank CC 3433	9,465.12
<b>Total Credit Cards</b>	<b>\$9,465.12</b>
Other Current Liabilities	
2001 Payroll Liabilities	0.00
2002 Accrued Benefits	29,469.72
<b>Total 2001 Payroll Liabilities</b>	<b>29,469.72</b>
2100 Accrued Payroll	13,030.38
4100 Deferred Revenue	903,428.75
<b>Total Other Current Liabilities</b>	<b>\$945,928.85</b>
<b>Total Current Liabilities</b>	<b>\$1,014,405.99</b>
<b>Total Liabilities</b>	<b>\$1,014,405.99</b>

# Nevada State Board of Professional Engineers and Land Surveyors

## Balance Sheet

As of June 30, 2025

	TOTAL
Equity	
3510 Website Phase 2	30,000.00
3520 Data System Upgrade	175,000.00
3530 Electronic/Digital Pathway	175,000.00
3900 Retained Earnings	1,229,118.92
Net Income	-310,185.52
<b>Total Equity</b>	<b>\$1,298,933.40</b>
<b>TOTAL LIABILITIES AND EQUITY</b>	<b>\$2,313,339.39</b>

10.b. July 2025



# Nevada State Board of Professional Engineers and Land Surveyors

## Budget vs. Actuals: Budget\_FY26\_P&L by Class - FY26 P&L Classes

July 2025

	TOTAL			
	ACTUAL	BUDGET	OVER BUDGET	% OF BUDGET
Income				
4000 REVENUE	88,920.26	59,216.67	29,703.59	150.16 %
<b>Total Income</b>	<b>\$88,920.26</b>	<b>\$59,216.67</b>	<b>\$29,703.59</b>	<b>150.16 %</b>
GROSS PROFIT	<b>\$88,920.26</b>	<b>\$59,216.67</b>	<b>\$29,703.59</b>	<b>150.16 %</b>
Expenses				
5100 PAYROLL EXPENSES	34,280.11	59,150.00	-24,869.89	57.95 %
5110 PAYROLL TAXES	2,220.23	3,183.33	-963.10	69.75 %
6001 OPERATING EXPENSES	47,807.86	82,554.17	-34,746.31	57.91 %
<b>Total Expenses</b>	<b>\$84,308.20</b>	<b>\$144,887.50</b>	<b>\$ -60,579.30</b>	<b>58.19 %</b>
NET OPERATING INCOME	<b>\$4,612.06</b>	<b>\$ -85,670.83</b>	<b>\$90,282.89</b>	<b>-5.38 %</b>
NET INCOME	<b>\$4,612.06</b>	<b>\$ -85,670.83</b>	<b>\$90,282.89</b>	<b>-5.38 %</b>

# Nevada State Board of Professional Engineers and Land Surveyors

## Profit and Loss

July 2025

	TOTAL	
	JUL 2025	JUL 2025 (YTD)
Income		
4000 REVENUE		
4201 Application Fees	0.00	0.00
4202 PE Comity Application	15,975.00	15,975.00
4203 PLS Comity Application	250.00	250.00
4204 PE Initial License Application	575.00	575.00
4205 PLS Initial License Application	25.00	25.00
4206 PE Reinstatement Application	1,400.00	1,400.00
4208 EI Certification Application	800.00	800.00
<b>Total 4201 Application Fees</b>	<b>19,025.00</b>	<b>19,025.00</b>
4250 Renewals & Exam Fees		
4251 PE/PLS Renewals	34,375.00	34,375.00
4252 Renewal Late Fees	4,200.00	4,200.00
4253 PE License Fees	9,575.00	9,575.00
4254 PLS License Fees	50.00	50.00
4255 NV Specific Exam Fees	300.00	300.00
<b>Total 4250 Renewals &amp; Exam Fees</b>	<b>48,500.00</b>	<b>48,500.00</b>
4300 Other Revenue		
4303 Interest Income	7,452.76	7,452.76
4304 Discipline Pd to NV Gen Fund	5,000.00	5,000.00
4305 Investigative Cost Recovery	2,942.50	2,942.50
4307 Firm Registration	5,900.00	5,900.00
4311 Waiver/Document Fees	100.00	100.00
<b>Total 4300 Other Revenue</b>	<b>21,395.26</b>	<b>21,395.26</b>
<b>Total 4000 REVENUE</b>	<b>88,920.26</b>	<b>88,920.26</b>
<b>Total Income</b>	<b>\$88,920.26</b>	<b>\$88,920.26</b>
GROSS PROFIT	<b>\$88,920.26</b>	<b>\$88,920.26</b>
Expenses		
5100 PAYROLL EXPENSES		
5102 Employee Health Insurance	4,696.78	4,696.78
5105 Payroll Service Fees	113.13	113.13
5107 Salaries	29,020.20	29,020.20
5108 Board Salaries	450.00	450.00
<b>Total 5100 PAYROLL EXPENSES</b>	<b>34,280.11</b>	<b>34,280.11</b>
5110 PAYROLL TAXES		
5111 FICA	1,799.24	1,799.24
5113 Medicare	420.79	420.79
5117 SUI	0.20	0.20
<b>Total 5110 PAYROLL TAXES</b>	<b>2,220.23</b>	<b>2,220.23</b>

# Nevada State Board of Professional Engineers and Land Surveyors

## Profit and Loss

July 2025

	TOTAL	
	JUL 2025	JUL 2025 (YTD)
6001 OPERATING EXPENSES		
6006 Office Supplies	210.55	210.55
6007 Equipment/Furniture		
6011 Equipment Leasing	383.09	383.09
6012 Software		
6012.5 Software	1,182.77	1,182.77
<b>Total 6012 Software</b>	<b>1,182.77</b>	<b>1,182.77</b>
<b>Total 6007 Equipment/Furniture</b>	<b>1,565.86</b>	<b>1,565.86</b>
6101 Insurance		
6102 Workers Comp	100.00	100.00
<b>Total 6101 Insurance</b>	<b>100.00</b>	<b>100.00</b>
6201 Postage		
6202 Postage	1,603.70	1,603.70
<b>Total 6201 Postage</b>	<b>1,603.70</b>	<b>1,603.70</b>
6301 Board Meetings		
6302 Travel - Out of State	246.69	246.69
6303 Travel - In State	2,985.71	2,985.71
6304 Board Meeting Expenses	701.01	701.01
<b>Total 6301 Board Meetings</b>	<b>3,933.41</b>	<b>3,933.41</b>
6501 Professional Services		
6508 Accounting Fees	3,500.00	3,500.00
6509 Government Liaison Services		
6509.1 Def Exp-Government Liaison	2,000.00	2,000.00
<b>Total 6509 Government Liaison Services</b>	<b>2,000.00</b>	<b>2,000.00</b>
6510 Database/Website Design		
6510.2 Deferred Exp-Database Update	165.00	165.00
<b>Total 6510 Database/Website Design</b>	<b>165.00</b>	<b>165.00</b>
6511 Public Outreach	900.00	900.00
6514 Contract Labor		
6514.1 Def Exp-Contract Labor	7,948.00	7,948.00
6514.5 Contract Labor	4,803.50	4,803.50
<b>Total 6514 Contract Labor</b>	<b>12,751.50</b>	<b>12,751.50</b>
6515 IT Support	1,361.20	1,361.20
<b>Total 6501 Professional Services</b>	<b>20,677.70</b>	<b>20,677.70</b>

# Nevada State Board of Professional Engineers and Land Surveyors

## Profit and Loss

July 2025

	TOTAL	
	JUL 2025	JUL 2025 (YTD)
6601 Program Services		
6604 NCEES		
6607 Travel	551.52	551.52
<b>Total 6604 NCEES</b>	<b>551.52</b>	<b>551.52</b>
6615 Bank Fees	-35.00	-35.00
6616 Merchant Services Fees	7,564.44	7,564.44
6630 LAS Office Support	3,057.25	3,057.25
<b>Total 6601 Program Services</b>	<b>11,138.21</b>	<b>11,138.21</b>
6700 Other		
6704 State Administrative Fees		
6709 Email - EITS	278.00	278.00
<b>Total 6704 State Administrative Fees</b>	<b>278.00</b>	<b>278.00</b>
<b>Total 6700 Other</b>	<b>278.00</b>	<b>278.00</b>
6801 Training & Conferences		
6802 Travel - Out of State	2,477.67	2,477.67
<b>Total 6801 Training &amp; Conferences</b>	<b>2,477.67</b>	<b>2,477.67</b>
Non State Owned Office Bldg.		
6002 Rent		
6002.2 Rent	5,078.15	5,078.15
<b>Total 6002 Rent</b>	<b>5,078.15</b>	<b>5,078.15</b>
6004 Utilities	110.01	110.01
6005 Telephone/Internet	634.60	634.60
<b>Total Non State Owned Office Bldg.</b>	<b>5,822.76</b>	<b>5,822.76</b>
<b>Total 6001 OPERATING EXPENSES</b>	<b>47,807.86</b>	<b>47,807.86</b>
<b>Total Expenses</b>	<b>\$84,308.20</b>	<b>\$84,308.20</b>
NET OPERATING INCOME	<b>\$4,612.06</b>	<b>\$4,612.06</b>
NET INCOME	<b>\$4,612.06</b>	<b>\$4,612.06</b>

# Nevada State Board of Professional Engineers and Land Surveyors

## Balance Sheet

As of July 31, 2025

	TOTAL
<b>ASSETS</b>	
Current Assets	
Bank Accounts	
1001 ASSETS	2,234,788.48
<b>Total Bank Accounts</b>	<b>\$2,234,788.48</b>
Other Current Assets	
1305 Prepaid Expense	10,406.49
1310 Prepaid Lease/Deposit	5,005.00
<b>Total Other Current Assets</b>	<b>\$15,411.49</b>
<b>Total Current Assets</b>	<b>\$2,250,199.97</b>
<b>TOTAL ASSETS</b>	<b>\$2,250,199.97</b>
<b>LIABILITIES AND EQUITY</b>	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 Accounts Payable	13,756.04
<b>Total Accounts Payable</b>	<b>\$13,756.04</b>
Other Current Liabilities	
2001 Payroll Liabilities	29,469.72
4100 Deferred Revenue	989,656.75
<b>Total Other Current Liabilities</b>	<b>\$1,019,126.47</b>
<b>Total Current Liabilities</b>	<b>\$1,032,882.51</b>
<b>Total Liabilities</b>	<b>\$1,032,882.51</b>
Equity	
3510 Website Phase 2	30,000.00
3520 Data System Upgrade	175,000.00
3530 Electronic/Digital Pathway	175,000.00
3900 Retained Earnings	832,705.40
Net Income	4,612.06
<b>Total Equity</b>	<b>\$1,217,317.46</b>
<b>TOTAL LIABILITIES AND EQUITY</b>	<b>\$2,250,199.97</b>

# Nevada State Board of Professional Engineers and Land Surveyors

## Balance Sheet

As of July 31, 2025

	TOTAL
<b>ASSETS</b>	
Current Assets	
Bank Accounts	
1001 ASSETS	0.00
1051 First Indep. Bank - Operating	174,231.29
1052 First Indep. Bank - Payroll	2,905.53
1053 First Indep. Bank - Petty Cash	2,527.94
1054 First Indep. Bank - MMA	66,350.72
1055 First Indep. Bank - 24mo CD	593,914.25
1057 First Indep. Bank - 12mo CD	291,193.37
1058 First Indep. Bank - 24mo FlexCD	577,644.71
1059 First Independent Bank - 90 day CD	526,020.67
<b>Total 1001 ASSETS</b>	<b>2,234,788.48</b>
<b>Total Bank Accounts</b>	<b>\$2,234,788.48</b>
Other Current Assets	
1305 Prepaid Expense	10,406.49
1310 Prepaid Lease/Deposit	5,005.00
<b>Total Other Current Assets</b>	<b>\$15,411.49</b>
<b>Total Current Assets</b>	<b>\$2,250,199.97</b>
<b>TOTAL ASSETS</b>	<b>\$2,250,199.97</b>
<b>LIABILITIES AND EQUITY</b>	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 Accounts Payable	13,756.04
<b>Total Accounts Payable</b>	<b>\$13,756.04</b>
Other Current Liabilities	
2001 Payroll Liabilities	0.00
2002 Accrued Benefits	29,469.72
<b>Total 2001 Payroll Liabilities</b>	<b>29,469.72</b>
4100 Deferred Revenue	989,656.75
<b>Total Other Current Liabilities</b>	<b>\$1,019,126.47</b>
<b>Total Current Liabilities</b>	<b>\$1,032,882.51</b>
<b>Total Liabilities</b>	<b>\$1,032,882.51</b>
Equity	
3510 Website Phase 2	30,000.00
3520 Data System Upgrade	175,000.00
3530 Electronic/Digital Pathway	175,000.00
3900 Retained Earnings	832,705.40
Net Income	4,612.06
<b>Total Equity</b>	<b>\$1,217,317.46</b>
<b>TOTAL LIABILITIES AND EQUITY</b>	<b>\$2,250,199.97</b>

10.c. August 2025

# Nevada State Board of Professional Engineers and Land Surveyors

## Budget vs. Actuals: Budget\_FY26\_P&L by Class - FY26 P&L Classes

July - August, 2025

	TOTAL			
	ACTUAL	BUDGET	OVER BUDGET	% OF BUDGET
Income				
4000 REVENUE	130,697.91	94,583.34	36,114.57	138.18 %
<b>Total Income</b>	<b>\$130,697.91</b>	<b>\$94,583.34</b>	<b>\$36,114.57</b>	<b>138.18 %</b>
GROSS PROFIT	<b>\$130,697.91</b>	<b>\$94,583.34</b>	<b>\$36,114.57</b>	<b>138.18 %</b>
Expenses				
5100 PAYROLL EXPENSES	82,808.39	108,300.00	-25,491.61	76.46 %
5110 PAYROLL TAXES	5,441.02	6,366.66	-925.64	85.46 %
6001 OPERATING EXPENSES	132,175.47	144,008.35	-11,832.88	91.78 %
<b>Total Expenses</b>	<b>\$220,424.88</b>	<b>\$258,675.01</b>	<b>\$ -38,250.13</b>	<b>85.21 %</b>
NET OPERATING INCOME	<b>\$ -89,726.97</b>	<b>\$ -164,091.67</b>	<b>\$74,364.70</b>	<b>54.68 %</b>
NET INCOME	<b>\$ -89,726.97</b>	<b>\$ -164,091.67</b>	<b>\$74,364.70</b>	<b>54.68 %</b>



# Nevada State Board of Professional Engineers and Land Surveyors

## Profit and Loss

August 2025

	TOTAL	
	AUG 2025	JUL - AUG, 2025 (YTD)
Income		
4000 REVENUE		
4201 Application Fees		0.00
4202 PE Comity Application	14,125.00	30,100.00
4203 PLS Comity Application	125.00	375.00
4204 PE Initial License Application	450.00	1,025.00
4205 PLS Initial License Application		25.00
4206 PE Reinstatement Application	1,200.00	2,600.00
4208 EI Certification Application	650.00	1,450.00
<b>Total 4201 Application Fees</b>	<b>16,550.00</b>	<b>35,575.00</b>
4250 Renewals & Exam Fees		
4251 PE/PLS Renewals	1,750.00	36,125.00
4252 Renewal Late Fees	1,500.00	5,700.00
4253 PE License Fees	275.00	9,850.00
4254 PLS License Fees	8,375.00	8,425.00
4255 NV Specific Exam Fees	450.00	750.00
<b>Total 4250 Renewals &amp; Exam Fees</b>	<b>12,350.00</b>	<b>60,850.00</b>
4300 Other Revenue		
4301 Replacement Certificate/Pocket	280.00	280.00
4303 Interest Income	8,247.65	15,700.41
4304 Discipline Pd to NV Gen Fund		5,000.00
4305 Investigative Cost Recovery		2,942.50
4307 Firm Registration	4,250.00	10,150.00
4311 Waiver/Document Fees	100.00	200.00
<b>Total 4300 Other Revenue</b>	<b>12,877.65</b>	<b>34,272.91</b>
<b>Total 4000 REVENUE</b>	<b>41,777.65</b>	<b>130,697.91</b>
<b>Total Income</b>	<b>\$41,777.65</b>	<b>\$130,697.91</b>
GROSS PROFIT	<b>\$41,777.65</b>	<b>\$130,697.91</b>
Expenses		
5100 PAYROLL EXPENSES		
5102 Employee Health Insurance	5,559.22	10,256.00
5105 Payroll Service Fees	161.62	274.75
5106 Payroll Taxes	-119.34	-119.34
5107 Salaries	42,101.78	71,121.98
5108 Board Salaries	825.00	1,275.00
<b>Total 5100 PAYROLL EXPENSES</b>	<b>48,528.28</b>	<b>82,808.39</b>
5110 PAYROLL TAXES		
5111 FICA	2,610.31	4,409.55
5113 Medicare	610.48	1,031.27

# Nevada State Board of Professional Engineers and Land Surveyors

## Profit and Loss

August 2025

	TOTAL	
	AUG 2025	JUL - AUG, 2025 (YTD)
5117 SUI	0.00	0.20
<b>Total 5110 PAYROLL TAXES</b>	<b>3,220.79</b>	<b>5,441.02</b>
6001 OPERATING EXPENSES		
6006 Office Supplies	237.52	448.07
6007 Equipment/Furniture		
6011 Equipment Leasing	309.66	692.75
6012 Software		
6012.5 Software	483.07	1,665.84
<b>Total 6012 Software</b>	<b>483.07</b>	<b>1,665.84</b>
<b>Total 6007 Equipment/Furniture</b>	<b>792.73</b>	<b>2,358.59</b>
6101 Insurance		
6102 Workers Comp		100.00
<b>Total 6101 Insurance</b>		<b>100.00</b>
6201 Postage		
6202 Postage	915.62	2,519.32
<b>Total 6201 Postage</b>	<b>915.62</b>	<b>2,519.32</b>
6301 Board Meetings		
6302 Travel - Out of State	750.00	996.69
6303 Travel - In State	4,796.68	7,782.39
6304 Board Meeting Expenses		701.01
<b>Total 6301 Board Meetings</b>	<b>5,546.68</b>	<b>9,480.09</b>
6501 Professional Services		
6502 Legal		
6503 Board Meetings	11,642.50	11,642.50
<b>Total 6502 Legal</b>	<b>11,642.50</b>	<b>11,642.50</b>
6508 Accounting Fees	9,400.00	12,900.00
6509 Government Liaison Services		
6509.1 Def Exp-Government Liaison	2,000.00	4,000.00
<b>Total 6509 Government Liaison Services</b>	<b>2,000.00</b>	<b>4,000.00</b>
6510 Database/Website Design		
6510.2 Deferred Exp-Database Update	10,165.00	10,330.00
<b>Total 6510 Database/Website Design</b>	<b>10,165.00</b>	<b>10,330.00</b>
6511 Public Outreach	600.00	1,500.00
6514 Contract Labor		
6514.1 Def Exp-Contract Labor	14,600.00	22,548.00
6514.5 Contract Labor	5,749.92	10,553.42
<b>Total 6514 Contract Labor</b>	<b>20,349.92</b>	<b>33,101.42</b>
6515 IT Support	1,287.00	2,648.20
<b>Total 6501 Professional Services</b>	<b>55,444.42</b>	<b>76,122.12</b>

# Nevada State Board of Professional Engineers and Land Surveyors

## Profit and Loss

August 2025

	TOTAL	
	AUG 2025	JUL - AUG, 2025 (YTD)
6601 Program Services		
6604 NCEES		
6607 Travel	8,405.38	8,956.90
<b>Total 6604 NCEES</b>	<b>8,405.38</b>	<b>8,956.90</b>
6615 Bank Fees	45.00	10.00
6616 Merchant Services Fees	3,937.95	11,502.39
6630 LAS Office Support		3,057.25
<b>Total 6601 Program Services</b>	<b>12,388.33</b>	<b>23,526.54</b>
6700 Other		
6704 State Administrative Fees		
6709 Email - EITS		278.00
<b>Total 6704 State Administrative Fees</b>		<b>278.00</b>
<b>Total 6700 Other</b>		<b>278.00</b>
6801 Training & Conferences		
6802 Travel - Out of State		2,477.67
6803 Travel - In State	456.97	456.97
<b>Total 6801 Training &amp; Conferences</b>	<b>456.97</b>	<b>2,934.64</b>
Non State Owned Office Bldg.		
6002 Rent		
6002.2 Rent	7,734.64	12,812.79
<b>Total 6002 Rent</b>	<b>7,734.64</b>	<b>12,812.79</b>
6004 Utilities	122.96	232.97
6005 Telephone/Internet	727.74	1,362.34
<b>Total Non State Owned Office Bldg.</b>	<b>8,585.34</b>	<b>14,408.10</b>
<b>Total 6001 OPERATING EXPENSES</b>	<b>84,367.61</b>	<b>132,175.47</b>
<b>Total Expenses</b>	<b>\$136,116.68</b>	<b>\$220,424.88</b>
<b>NET OPERATING INCOME</b>	<b>\$ -94,339.03</b>	<b>\$ -89,726.97</b>
<b>NET INCOME</b>	<b>\$ -94,339.03</b>	<b>\$ -89,726.97</b>

# Nevada State Board of Professional Engineers and Land Surveyors

## Balance Sheet

As of August 31, 2025

	TOTAL
<b>ASSETS</b>	
Current Assets	
Bank Accounts	
1001 ASSETS	2,170,604.16
<b>Total Bank Accounts</b>	<b>\$2,170,604.16</b>
Other Current Assets	
1305 Prepaid Expense	10,406.49
1310 Prepaid Lease/Deposit	5,005.00
<b>Total Other Current Assets</b>	<b>\$15,411.49</b>
<b>Total Current Assets</b>	<b>\$2,186,015.65</b>
<b>TOTAL ASSETS</b>	<b>\$2,186,015.65</b>
<b>LIABILITIES AND EQUITY</b>	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 Accounts Payable	30,719.55
<b>Total Accounts Payable</b>	<b>\$30,719.55</b>
Credit Cards	
2027 Western Alliance Bank CC 3433	13,191.20
<b>Total Credit Cards</b>	<b>\$13,191.20</b>
Other Current Liabilities	
2001 Payroll Liabilities	29,469.72
4100 Deferred Revenue	989,656.75
<b>Total Other Current Liabilities</b>	<b>\$1,019,126.47</b>
<b>Total Current Liabilities</b>	<b>\$1,063,037.22</b>
<b>Total Liabilities</b>	<b>\$1,063,037.22</b>
Equity	
3510 Website Phase 2	30,000.00
3520 Data System Upgrade	175,000.00
3530 Electronic/Digital Pathway	175,000.00
3900 Retained Earnings	832,705.40
Net Income	-89,726.97
<b>Total Equity</b>	<b>\$1,122,978.43</b>
<b>TOTAL LIABILITIES AND EQUITY</b>	<b>\$2,186,015.65</b>

# Nevada State Board of Professional Engineers and Land Surveyors

## Balance Sheet As of August 31, 2025

	TOTAL
<b>ASSETS</b>	
Current Assets	
Bank Accounts	
1001 ASSETS	0.00
1051 First Indep. Bank - Operating	121,150.05
1052 First Indep. Bank - Payroll	27,904.80
1053 First Indep. Bank - Petty Cash	2,527.94
1054 First Indep. Bank - MMA	22,066.43
1055 First Indep. Bank - 24mo CD	597,564.81
1057 First Indep. Bank - 12mo CD	292,165.32
1058 First Indep. Bank - 24mo FlexCD	579,448.38
1059 First Independent Bank - 90 day CD	527,776.43
<b>Total 1001 ASSETS</b>	<b>2,170,604.16</b>
<b>Total Bank Accounts</b>	<b>\$2,170,604.16</b>
Other Current Assets	
1305 Prepaid Expense	10,406.49
1310 Prepaid Lease/Deposit	5,005.00
<b>Total Other Current Assets</b>	<b>\$15,411.49</b>
<b>Total Current Assets</b>	<b>\$2,186,015.65</b>
<b>TOTAL ASSETS</b>	<b>\$2,186,015.65</b>
<b>LIABILITIES AND EQUITY</b>	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 Accounts Payable	30,719.55
<b>Total Accounts Payable</b>	<b>\$30,719.55</b>
Credit Cards	
2027 Western Alliance Bank CC 3433	13,191.20
<b>Total Credit Cards</b>	<b>\$13,191.20</b>
Other Current Liabilities	
2001 Payroll Liabilities	0.00
2002 Accrued Benefits	29,469.72
<b>Total 2001 Payroll Liabilities</b>	<b>29,469.72</b>
4100 Deferred Revenue	989,656.75
<b>Total Other Current Liabilities</b>	<b>\$1,019,126.47</b>
<b>Total Current Liabilities</b>	<b>\$1,063,037.22</b>
<b>Total Liabilities</b>	<b>\$1,063,037.22</b>

# Nevada State Board of Professional Engineers and Land Surveyors

## Balance Sheet As of August 31, 2025

	TOTAL
Equity	
3510 Website Phase 2	30,000.00
3520 Data System Upgrade	175,000.00
3530 Electronic/Digital Pathway	175,000.00
3900 Retained Earnings	832,705.40
Net Income	-89,726.97
<b>Total Equity</b>	<b>\$1,122,978.43</b>
<b>TOTAL LIABILITIES AND EQUITY</b>	<b>\$2,186,015.65</b>

10.d. September 2025

# Nevada State Board of Professional Engineers and Land Surveyors

## Budget vs. Actuals: Budget\_FY26\_P&L by Class - FY26 P&L Classes

July - September, 2025

	TOTAL			
	ACTUAL	BUDGET	OVER BUDGET	% OF BUDGET
Income				
4000 REVENUE	205,130.40	153,625.01	51,505.39	133.53 %
<b>Total Income</b>	<b>\$205,130.40</b>	<b>\$153,625.01</b>	<b>\$51,505.39</b>	<b>133.53 %</b>
GROSS PROFIT	<b>\$205,130.40</b>	<b>\$153,625.01</b>	<b>\$51,505.39</b>	<b>133.53 %</b>
Expenses				
5100 PAYROLL EXPENSES	141,899.88	157,450.00	-15,550.12	90.12 %
5110 PAYROLL TAXES	9,027.96	9,549.99	-522.03	94.53 %
6001 OPERATING EXPENSES	182,143.42	212,062.53	-29,919.11	85.89 %
<b>Total Expenses</b>	<b>\$333,071.26</b>	<b>\$379,062.52</b>	<b>\$ -45,991.26</b>	<b>87.87 %</b>
NET OPERATING INCOME	<b>\$ -127,940.86</b>	<b>\$ -225,437.51</b>	<b>\$97,496.65</b>	<b>56.75 %</b>
NET INCOME	<b>\$ -127,940.86</b>	<b>\$ -225,437.51</b>	<b>\$97,496.65</b>	<b>56.75 %</b>



# Nevada State Board of Professional Engineers and Land Surveyors

## Profit and Loss

September 2025

	TOTAL	
	SEP 2025	JUL - SEP, 2025 (YTD)
Income		
4000 REVENUE		
4201 Application Fees		0.00
4202 PE Comity Application	13,575.00	43,675.00
4203 PLS Comity Application	125.00	500.00
4204 PE Initial License Application	425.00	1,450.00
4205 PLS Initial License Application	25.00	50.00
4206 PE Reinstatement Application	2,200.00	4,800.00
4207 PLS Reinstatement Application	200.00	200.00
4208 EI Certification Application	850.00	2,300.00
<b>Total 4201 Application Fees</b>	<b>17,400.00</b>	<b>52,975.00</b>
4250 Renewals & Exam Fees		
4251 PE/PLS Renewals	33,025.00	69,150.00
4252 Renewal Late Fees	1,100.00	6,800.00
4253 PE License Fees	8,350.00	18,200.00
4254 PLS License Fees		8,425.00
4255 NV Specific Exam Fees	100.00	850.00
<b>Total 4250 Renewals &amp; Exam Fees</b>	<b>42,575.00</b>	<b>103,425.00</b>
4300 Other Revenue		
4301 Replacement Certificate/Pocket	90.00	370.00
4303 Interest Income	4,767.49	20,467.90
4304 Discipline Pd to NV Gen Fund		5,000.00
4305 Investigative Cost Recovery		2,942.50
4307 Firm Registration	9,600.00	19,750.00
4311 Waiver/Document Fees		200.00
<b>Total 4300 Other Revenue</b>	<b>14,457.49</b>	<b>48,730.40</b>
<b>Total 4000 REVENUE</b>	<b>74,432.49</b>	<b>205,130.40</b>
<b>Total Income</b>	<b>\$74,432.49</b>	<b>\$205,130.40</b>
GROSS PROFIT	<b>\$74,432.49</b>	<b>\$205,130.40</b>
Expenses		
5100 PAYROLL EXPENSES		
5102 Employee Health Insurance	5,433.07	15,689.07
5103 Employee IRA/SEP	10,085.03	10,085.03
5105 Payroll Service Fees	161.62	436.37
5106 Payroll Taxes		-119.34
5107 Salaries	42,586.77	113,708.75
5108 Board Salaries	825.00	2,100.00
<b>Total 5100 PAYROLL EXPENSES</b>	<b>59,091.49</b>	<b>141,899.88</b>

# Nevada State Board of Professional Engineers and Land Surveyors

## Profit and Loss

September 2025

	TOTAL	
	SEP 2025	JUL - SEP, 2025 (YTD)
5110 PAYROLL TAXES		
5111 FICA	2,640.40	7,049.95
5113 Medicare	617.52	1,648.79
5114 Modified Business Tax	329.02	329.02
5117 SUI	0.00	0.20
<b>Total 5110 PAYROLL TAXES</b>	<b>3,586.94</b>	<b>9,027.96</b>
6001 OPERATING EXPENSES		
6006 Office Supplies	25.18	473.25
6007 Equipment/Furniture		
6011 Equipment Leasing	339.61	1,032.36
6012 Software		
6012.5 Software	251.19	1,917.03
<b>Total 6012 Software</b>	<b>251.19</b>	<b>1,917.03</b>
<b>Total 6007 Equipment/Furniture</b>	<b>590.80</b>	<b>2,949.39</b>
6101 Insurance		
6102 Workers Comp		100.00
<b>Total 6101 Insurance</b>		<b>100.00</b>
6201 Postage		
6202 Postage		2,519.32
<b>Total 6201 Postage</b>		<b>2,519.32</b>
6301 Board Meetings		
6302 Travel - Out of State	1,322.19	2,318.88
6303 Travel - In State	611.37	8,393.76
6304 Board Meeting Expenses	52.52	753.53
<b>Total 6301 Board Meetings</b>	<b>1,986.08</b>	<b>11,466.17</b>
6501 Professional Services		
6502 Legal		
6503 Board Meetings	11,052.70	22,695.20
6504 Regulations/Legislation		
6504.1 Deferred Exp-Regs/Legislation	487.50	487.50
<b>Total 6504 Regulations/Legislation</b>	<b>487.50</b>	<b>487.50</b>
6505 Discipline	650.00	650.00
<b>Total 6502 Legal</b>	<b>12,190.20</b>	<b>23,832.70</b>
6508 Accounting Fees	2,500.00	15,400.00
6509 Government Liaison Services		
6509.1 Def Exp-Government Liaison	2,000.00	6,000.00
<b>Total 6509 Government Liaison Services</b>	<b>2,000.00</b>	<b>6,000.00</b>
6510 Database/Website Design		
6510.2 Deferred Exp-Database Update	165.00	10,495.00

# Nevada State Board of Professional Engineers and Land Surveyors

## Profit and Loss

September 2025

	TOTAL	
	SEP 2025	JUL - SEP, 2025 (YTD)
<b>Total 6510 Database/Website Design</b>	<b>165.00</b>	<b>10,495.00</b>
6511 Public Outreach	900.00	2,400.00
6514 Contract Labor		
6514.1 Def Exp-Contract Labor	8,944.37	31,492.37
6514.5 Contract Labor	4,636.34	15,189.76
<b>Total 6514 Contract Labor</b>	<b>13,580.71</b>	<b>46,682.13</b>
6515 IT Support	1,287.00	3,935.20
<b>Total 6501 Professional Services</b>	<b>32,622.91</b>	<b>108,745.03</b>
6601 Program Services		
6604 NCEES		
6607 Travel	3,775.85	12,732.75
<b>Total 6604 NCEES</b>	<b>3,775.85</b>	<b>12,732.75</b>
6615 Bank Fees		10.00
6616 Merchant Services Fees		11,502.39
6630 LAS Office Support	541.31	3,598.56
<b>Total 6601 Program Services</b>	<b>4,317.16</b>	<b>27,843.70</b>
6700 Other		
6704 State Administrative Fees		
6709 Email - EITS		278.00
<b>Total 6704 State Administrative Fees</b>		<b>278.00</b>
<b>Total 6700 Other</b>		<b>278.00</b>
6801 Training & Conferences		
6802 Travel - Out of State	2,041.31	4,518.98
6803 Travel - In State	240.59	697.56
<b>Total 6801 Training &amp; Conferences</b>	<b>2,281.90</b>	<b>5,216.54</b>
Non State Owned Office Bldg.		
6002 Rent		
6002.2 Rent	7,734.64	20,547.43
<b>Total 6002 Rent</b>	<b>7,734.64</b>	<b>20,547.43</b>
6004 Utilities	92.29	325.26
6005 Telephone/Internet	316.99	1,679.33
<b>Total Non State Owned Office Bldg.</b>	<b>8,143.92</b>	<b>22,552.02</b>
<b>Total 6001 OPERATING EXPENSES</b>	<b>49,967.95</b>	<b>182,143.42</b>
<b>Total Expenses</b>	<b>\$112,646.38</b>	<b>\$333,071.26</b>
<b>NET OPERATING INCOME</b>	<b>\$ -38,213.89</b>	<b>\$ -127,940.86</b>
<b>NET INCOME</b>	<b>\$ -38,213.89</b>	<b>\$ -127,940.86</b>

# Nevada State Board of Professional Engineers and Land Surveyors

## Balance Sheet

As of September 30, 2025

	TOTAL
<b>ASSETS</b>	
Current Assets	
Bank Accounts	
1001 ASSETS	2,105,180.00
<b>Total Bank Accounts</b>	<b>\$2,105,180.00</b>
Other Current Assets	
1305 Prepaid Expense	10,406.49
1310 Prepaid Lease/Deposit	5,005.00
<b>Total Other Current Assets</b>	<b>\$15,411.49</b>
<b>Total Current Assets</b>	<b>\$2,120,591.49</b>
<b>TOTAL ASSETS</b>	<b>\$2,120,591.49</b>
<b>LIABILITIES AND EQUITY</b>	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 Accounts Payable	16,700.48
<b>Total Accounts Payable</b>	<b>\$16,700.48</b>
Other Current Liabilities	
2001 Payroll Liabilities	29,469.72
4100 Deferred Revenue	989,656.75
<b>Total Other Current Liabilities</b>	<b>\$1,019,126.47</b>
<b>Total Current Liabilities</b>	<b>\$1,035,826.95</b>
<b>Total Liabilities</b>	<b>\$1,035,826.95</b>
Equity	
3510 Website Phase 2	30,000.00
3520 Data System Upgrade	175,000.00
3530 Electronic/Digital Pathway	175,000.00
3900 Retained Earnings	832,705.40
Net Income	-127,940.86
<b>Total Equity</b>	<b>\$1,084,764.54</b>
<b>TOTAL LIABILITIES AND EQUITY</b>	<b>\$2,120,591.49</b>

# Nevada State Board of Professional Engineers and Land Surveyors

## Balance Sheet

As of September 30, 2025

	TOTAL
<b>ASSETS</b>	
Current Assets	
Bank Accounts	
1001 ASSETS	0.00
1051 First Indep. Bank - Operating	95,950.59
1052 First Indep. Bank - Payroll	26,812.61
1053 First Indep. Bank - Petty Cash	2,527.94
1054 First Indep. Bank - MMA	68,294.49
1055 First Indep. Bank - 24mo CD	507,564.81
1057 First Indep. Bank - 12mo CD	293,109.05
1058 First Indep. Bank - 24mo FlexCD	581,382.47
1059 First Independent Bank - 90 day CD	529,538.04
<b>Total 1001 ASSETS</b>	<b>2,105,180.00</b>
<b>Total Bank Accounts</b>	<b>\$2,105,180.00</b>
Other Current Assets	
1305 Prepaid Expense	10,406.49
1310 Prepaid Lease/Deposit	5,005.00
<b>Total Other Current Assets</b>	<b>\$15,411.49</b>
<b>Total Current Assets</b>	<b>\$2,120,591.49</b>
<b>TOTAL ASSETS</b>	<b>\$2,120,591.49</b>
<b>LIABILITIES AND EQUITY</b>	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 Accounts Payable	16,700.48
<b>Total Accounts Payable</b>	<b>\$16,700.48</b>
Other Current Liabilities	
2001 Payroll Liabilities	0.00
2002 Accrued Benefits	29,469.72
<b>Total 2001 Payroll Liabilities</b>	<b>29,469.72</b>
4100 Deferred Revenue	989,656.75
<b>Total Other Current Liabilities</b>	<b>\$1,019,126.47</b>
<b>Total Current Liabilities</b>	<b>\$1,035,826.95</b>
<b>Total Liabilities</b>	<b>\$1,035,826.95</b>
Equity	
3510 Website Phase 2	30,000.00
3520 Data System Upgrade	175,000.00
3530 Electronic/Digital Pathway	175,000.00
3900 Retained Earnings	832,705.40
Net Income	-127,940.86
<b>Total Equity</b>	<b>\$1,084,764.54</b>
<b>TOTAL LIABILITIES AND EQUITY</b>	<b>\$2,120,591.49</b>

# 11. Compliance Officer Report

# 11.a. Compliance Report

## 11. a. Compliance Investigations

Currently there are eight (8) 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.  
Investigation complete.
3. 20250019 – Failure to act as faithful agent to client.  
Under investigation.
4. 20250028 – Unlawful practice.  
Investigation complete.
5. 20250032 – Unlawful practice.  
Investigation complete.
6. 20250033 – Unlawful practice.  
Investigation complete.
7. 20250034 – Failure to act as faithful agent to client.  
Under investigation.
8. 20250036 – Failure to act as faithful agent to client.  
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:

Complaint dismissed pursuant to NRS 625.420 (2)

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. 20250019 – Failure to act as faithful agent to client.

Summary:

A complaint filed against Las Vegas PE for failure to deliver scope of civil engineering services.

Status:

Under investigation.

4. 20250028 – Unlawful practice.

Summary:

A complaint alleges the offering of professional civil engineering services while not being licensed to do so.

Status:

Complaint under review by Board liaison

5. 20250032 – Unlawful practice.

Summary:

A complaint alleges the offering and providing of professional engineering services by a licensed PLS.

Status:

Complaint file under internal review.

6. 20250033 – Unlawful practice.

Summary:

A complaint alleges the offering and providing of professional engineering services while not being licensed to do so.

Status:

Complaint file under internal review.

7. 20250034 – Failure to act as faithful agent to client.

Summary:

A complaint alleges a Las Vegas civil engineer failed to deliver services in a timely manner.

Status:

Under investigation.

8. 20250036 – Failure to act as faithful agent to client.

Summary:

A complaint alleges a Reno land surveyor failed to deliver services in a timely manner.

Status:

Complaint file under internal review.

# 11.b. Probation Reports

## 11. b. Probation reports

### Probation Summary:

Name	Case #	Status/Action	Date Ending
Dooley Riva	20190001	Good Standing	October 10, 2029
Buckley Blew	20230004	Good Standing	August 15, 2026
Andrew Hammond	20220009	Under Review	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 SUBMITTED FOR THE PERIOD OF: 2025-7-16 THROUGH 2025-9-15

CLIENT:

NAME: DAVID TENNEY

ADDRESS: [dt@nvbestrvstoragellc.com](mailto: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:

\$4,655

SCOPE OF WORK:

CONSTRUCTION ADMINISTRATION & ADDITIONAL SERVICES

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

COORDINATION AND QUESTIONS WITH CONTRACTOR, CHECK FEASIBILITY FOR DRILLING HOLES IN BEAMS, FRAMING OBSERVATION, AND ISSUE ROUGH FRAMING OBSERVATION REPORT

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: September 18, 2025



**Buckley Blew, PLS 024520**

Case Number: 20230004

Violation of NRS 625.410 (2), 625.340, NRS 625.350(2)(a); and NRS 329.140(1).

Mr Blew self-reported a disciplinary action imposed against his California professional land surveyor license by the California Board of Professional Engineers, Land Surveyors, and Geologists (the “California Board”) in his license renewal application.

*CALIFORNIA BOARD DISCIPLINARY ACTION*

The California Board action against Mr Blew was based on the following:

A) California Business and Professions Code (“Code”) § 8780(d) and § 8762(b)(4) and (c) for failing to file a record of survey within ninety (90) days of his survey of the following properties:

- 555 and 575 Market Street, San Francisco
- 1281 W. National Drive, Sacramento
- 1520 and 1620 W. National Drive, Sacramento
- 1534 N. Market Blvd. and 4201 Sierra Point Drive, Sacramento
- 1700 W. National Drive, Sacramento
- 3200-3298 Orange Grove Avenue, Sacramento
- 1401 Civic Court, Concord

B) Under Code § 8780(b) for negligence in the practice of land surveying, in that Mr Blew did not meet the standard of care for a licensed land surveying when he failed to file a record of survey for the aforementioned properties. In addition, for the properties located at 1520 and 1620 W. National Drive, Sacramento, at 1534 N. Market Blvd. and 4201 Sierra Point Drive, Sacramento, and at 1700 W. National Drive, Sacramento, Mr Blew was disciplined under Code § 8780(b) for negligence in the practice of land surveying, in that Mr Blew did not meet the standard of care for a licensed land surveying when he failed to set monuments.

C) Under Code § 8780(d) and § 8765(d) for failing to file a corner record for 8845 Washington Blvd., Roseville. In addition, Mr Blew was disciplined under Code § 8780(b) in that he was negligent in his practice of land surveying regarding 8845 Washington Blvd., Roseville.

D) Under Code § 8780(b) in that he was negligent and/or incompetent in the practice of land surveying in that the establishment of boundaries shown on Mr Blew’s ALTA/NSPS maps indicated a practice of using a minimum of unreferenced control points and using “record” information from a single direction to establish boundary lines. This practice is reasonably foreseeable to lead to gaps and overlaps in boundaries.

Based on the above Mr Blew stipulated with the California Board to the following violations: (1) failure to file a timely record of survey; (2) negligence in the practice of land surveying; (3) failure to file a corner report; and (4) incompetence in the practice of land surveying. Pursuant to the California Board Stipulation and Order, Mr Blew's license was revoked, but the revocation was stayed pending the successful completion of three (3) years probation, reimbursement of investigative costs in the amount of Twelve Thousand Six Hundred Thirteen and 75/100 Dollars (\$12,613.75), completion and passage of the California Laws and Board Rules examination, passage of a Board approved ethics course within one (1) year, and completion and passage of two (2) college-level Board approved land surveying courses.

#### *NEVADA BOARD DISCIPLINARY ACTION*

NRS 625.410 states that the Nevada State Board may take disciplinary action against a licensee for discipline by another state or territory if at least one of the grounds for discipline is the same or substantially equivalent to any ground under Nevada law.

The State Board does not have statutory authority to take disciplinary action against licensees for mere negligence. Thus, Mr Blew's cause for discipline due to his negligence does not constitute a violation of NRS 625.410(6).

Mr Blew's cause for discipline for failure to file a timely record of survey, however, is substantially equivalent to NRS 625.340, in which professional land surveyors shall "within 90 day after the establishment of points or lines, file . . . a record of survey relating to land boundaries and property lines." In addition, NRS 625.350 states that a record of survey must show, among other things, "[a]ll monuments found, set, reset, or replaced, describing their kind, size and location and giving other data relating thereto." NRS 625.350(2)(a).

Mr Blew was also disciplined for failing to file a corner record. This cause for discipline is substantially equivalent NRS 329.140, in which a "a surveyor shall complete, sign and record or cause to be recorded . . . a written record of the establishment or restoration or a corner The survey information must be recorded within 90 days after the survey is completed." NRS 329.140(1).

Finally, Mr Blew was disciplined for negligence and/or incompetence. NRS 625.410 states that the Board may take disciplinary action against a licensee for "[a]ny gross negligence, incompetency or misconduct in the practice of professional engineering as a professional engineer or in the practice of land surveying as a professional land surveyor." NRS 625.410(2).

Thus, since at least one of the grounds for discipline in California is substantially similar to a ground for discipline in Nevada, the State Board may take disciplinary action against Mr Blew.

NRS 625.410 states that the State Board may take disciplinary action against a licensee for discipline by another state or territory if at least one of the grounds for discipline is the same or substantially equivalent to any ground under Nevada law.

Pursuant to NAC 625.640(3)(b)(2), a disciplinary matter against a licensee may be resolved without a formal hearing by Stipulated Agreement. As such, Mr Blew and the State Board hereby stipulate to the following terms for the above-referenced violation(s):

1. Mr Blew's license shall be revoked following entry of this Agreement, but with revocation stayed and probation imposed for a term of three (3) years.
2. The licensee shall submit detailed bi-monthly probation reports to the Executive Director of the State Board, which shall report any work completed in Nevada during the previous two (2) month period. A report shall be filed even if no work was performed in Nevada during the previous two (2) month period. The first report shall be due within two (2) months of the effective date of this Stipulated Agreement. Each report shall include a copy of the contract executed for any work in Nevada, including the scope of work detail.
3. Mr Blew shall provide the State Board with proof of fulfilling the California Stipulated Agreement obligations.

**LAST PROBATION REPORTS DUE August 15, 2026**

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER: Buckley Blew

PE/PLS #: 024520

EMPLOYER: Blew & Associates, P.A.

PROBATION REPORT SUBMITTED FOR THE PERIOD OF: July 20, 2025

THROUGH: Sept. 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: 10/13/25

**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 Hammond's firm) via Yelp in search of a professional to help adapt and engineer house plans that had been found online. Mr Hammond replied to the inquiry via Yelp and indicated he could complete the house plans in about four (4) to five (5) weeks.

The client engaged Mr Hammond for the project in late 2019. The project included various tasks, such as surveying, site plan, grading plan, septic, structural design and calculations, and electrical plan. At the end of December 2019, the client made a 50% down payment on the house plans for the initial survey and topography. In late 2019, Mr Hammond recommended a lot merger and was retained in or around July 2020 to perform that service. Throughout his engagement with the client, Mr Hammond communicated timelines and completion dates, but failed to meet these communicated deadlines. Mr Hammond did not make the initial submission for permits until August 22, 2021. Washoe County rejected this initial submittal as incomplete with requirements noted. Mr Hammond then had to resubmit the project three (3) more times due to further comments from Washoe County. By the time the client submitted the Complaint, Mr Hammond still had not obtained the permits for his plans. Regarding the lot merger, Mr Hammond erroneously submitted a Boundary Line Adjustment (BLA) to Washoe County in February 2021. Washoe County rejected this BLA and advised Mr Hammond that a Reversion to Acreage (RTA) map was required. In March 2021, Mr Hammond submitted an RTA, but did not make a payment to Washoe County for RTA review. In May 2021, Washoe County emailed Mr Hammond regarding RTA submittal errors and payment for review of the RTA. In June 2021, Washoe County sent an example RTA map for reference and information for Mr Hammond to correct his March 2021 submittal. In July 2021, Mr Hammond submitted payment for RTA application and review. In August 2022, Washoe County approved the RTA map for recording after correcting errors that Mr Hammond made on the RTA map, such as including unneeded signature lines for utility companies that did not serve the client's property. On or about January 10, 2023, Mr Hammond refunded the Seven Thousand and No/100 Dollars (\$7,000.00) that the client paid Mr Hammond for services.

**VIOLATIONS and DISCIPLINARY ACTION**

Pursuant to NAC 625.530(1), a professional engineer or land surveyor shall "[a]ct in professional matters as a faithful agent or trustee for each employer or client." Here, Mr Hammond failed to act as a faithful agent. Over thirty (30) months have passed from the start

of work, but no permit had been issued at the time the Complaint was filed. Mr Hammond promised the client completion deadlines, but continually missed them. Mr Hammond had never done an RTA map and admits that the timeline to complete it was unreasonable.

Pursuant to NAC 625.530(5), a professional engineer or land surveyor shall “[u]ndertake only those engineering or land surveying assignments for which he or she is qualified and engage or advise the employer or client to engage specialists and cooperate with them whenever the employer’s or client’s interests are served best by such an arrangement.” Here, Mr Hammond erroneously submitted a boundary line adjustment rather than a reversion to acreage map. The time taken and the assistance required by the Washoe County staff indicates Mr Hammond’s underqualification for the assignment undertaken. Relating to the engineering, his submissions for permitting required extra comments and review from Washoe County. Mr Hammond submitted his plans four (4) times over the course of one (1) year.

Based on the foregoing, Mr Hammond stipulates that he violated NRS 625.410(2) and NAC 625.530(1) by failing to meet deadlines he promised his client and, thus, prolonging the project. In addition, Mr Hammond stipulates that he violated NAC 625.530(5) by undertaking a project for which he was unqualified, and not seeking to engage specialists to assist.

NRS 625.410(5) provides authority for the State Board to administer discipline in Nevada for a violation of any NRS Chapter 625 statute and/or any regulation adopted by the State Board. Further, pursuant to NAC 625.640, a disciplinary matter may be resolved without a formal hearing by a Stipulated Agreement.

To that end, to resolve Complaint Number 20220009 now pending, Mr Hammond and the State Board resolve this matter on the following basis:

- 1.) Mr Hammond’s Nevada license shall be suspended for twenty-four (24) months following entry of this Agreement, but with the suspension stayed and probation imposed for the duration of that time period.
  - a.) On a bi-monthly basis, Mr Hammond shall submit, to the State Board, a probation report to include any copies of executed contracts for any project or client that Mr Hammond retains during the period of his probation.
  - b.) Mr Hammond has reimbursed the complainant a total amount of Seven Thousand and No/100 Dollars (\$7,000.00) for design and mapping fees paid to Mr Hammond (One Thousand Nine Hundred Fifty and No/100 (\$1,950.00) for mapping and Five Thousand Fifty and No/100 Dollars (\$5,050.00) for house design), which is satisfactory in lieu of an administrative fine.

c.) Mr Hammond shall pay legal and investigative costs to the State Board a total of One Thousand Seven Hundred and No/100 Dollars (\$1,700.00) within ninety (90) days of acceptance and execution of this Agreement by the State Board.

d.) Within ninety (90) days of acceptance and execution of this Agreement by the State Board, Mr Hammond shall have any land surveying services that he has performed since November 1, 2022, reviewed by a licensed Nevada Professional Land Surveyor selected by the State Board. Further, any additional land surveying services that Mr Hammond performs in Nevada through the end of the term of his probation hereunder, shall be reviewed by a licensed Nevada Professional Land Surveyor selected by the State Board. The selected Professional Land Surveyor shall be independent of, and have no conflict of interest with, Mr Hammond, and will provide the State Board an assessment of competency for every professional land surveyor project done by Mr Hammond during the above-designated time period. Mr Hammond shall bear the cost and expense of the selected Professional Land Surveyor's services.

### **Supplement to Stipulated Agreement**

Case Number: 20220009

Violation of NRS 625.410(2) and NAC 625.530(5)

On or about January 24, 2024, the State Board approved a Stipulated Agreement ("2024 Stipulated Agreement") with Mr Hammond to resolve a disciplinary action against Mr Hammond. Thereunder, Mr Hammond stipulated to certain facts as being truthful, as well as to certain disciplinary conditions.

The State Board is in receipt of information indicating that concerns have arisen resulting from the disciplinary conditions set forth in the 2024 Stipulated Agreement. To address those concerns, the State Board and Mr Hammond hereby enter into this Supplemented Stipulated Agreement, pursuant to which Mr Hammond stipulates to the following facts as truthful.

Pursuant to the 2024 Stipulated Agreement, Mr Hammond admitted to violations of NRS 625.410(2), NAC 625.530(1), and NAC 625.530(5) by failing to meet client deadlines and by undertaking a project for which he was not qualified in the field of land surveying. The 2024 Stipulated Agreement provided that Mr Hammond's license would be suspended for twenty-four (24) months, but with such suspension stayed and probation imposed for the duration of that time period. As a condition of his probation, Mr Hammond was required to submit any land surveying services performed after November 1, 2022 for review by a licensed Nevada Professional Land Surveyor selected by the State Board. The selected Professional Land

Surveyor was to provide the State Board with an assessment of competency, based upon said review.

In or around December 2023, Mr Hammond was retained to divide a property north of Reno into two parcels. Mr Hammond drafted a proposed parcel map to that effect and submitted it to the Washoe County Survey team within Washoe County Engineering Division for technical map review. The Map Review Office noted over thirty (30) deficiencies with Mr Hammond's proposed map and rejected it, stating that the project could not be completed until a revised submittal was provided.

Mr Hammond then submitted the proposed map, along with the comments from the Washoe County Map Review Office, to a licensed land surveyor selected by the State Board to review Mr Hammond's work pursuant to the 2024 Stipulated Agreement ("PLS Reviewer"). The PLS Reviewer agreed with "all" of the deficiencies noted by the Map Review Office, as well as with their conclusion to reject Mr Hammond's proposed map. The PLS Reviewer also noted that Mr Hammond's proposed map had several other deficiencies pertaining to linetypes, land boundary establishments, and map references, and that the map did not comply with several County Ordinance requirements. Based on these issues, the PLS Reviewer concluded that "Mr Hammond lacks the minimum competency expected of a licensed Professional Land Surveyor in the State of Nevada".

#### VIOLATIONS and DISCIPLINARY ACTION

Pursuant to NRS 625.410(8) the State Board may take disciplinary action against a licensee for "[f]ailing to comply with an order issued by the Board." Pursuant to NAC 625.530(5), a professional engineer or land surveyor shall "[u]ndertake only those engineering or land surveying assignments for which he or she is qualified and engage or advise the employer or client to engage specialists and cooperate with them whenever the employer's or client's interests are served best by such an arrangement." Pursuant to the 2024 Stipulated Agreement, Mr Hammond's work product was subject to the review of an independent Nevada licensed professional land surveyor. Mr Hammond violated NAC 625.530(5) by submitting a proposed parcel map to the Washoe County Survey team within Washoe County Engineering Division Map Review Office that contained over thirty separate deficiencies and that was rejected by the Map Review Office. As a result of the independent review conducted pursuant to the 2024 Stipulated Agreement, the PLS Reviewer agreed that the proposed map was deficient and, further, concluded that Mr Hammond lacks the "minimum competency" expected of a Professional Land Surveyor.



NRS 625.410(2) provides authority for the State Board to administer discipline in Nevada for any gross negligence, incompetency or misconduct in the practice of professional engineering as a professional engineer and in the practice of professional land surveying as a professional land surveyor. Further, NRS 625.410(5) provides authority for the State Board to administer discipline in Nevada for a violation of any regulation adopted by the Board.

Based on the foregoing, Mr Hammond stipulates that he violated NRS 625.410(2) and NAC 625.530(5) by undertaking a project for which he was unqualified, providing work that was not minimally competent, and not seeking to engage specialists to assist.

Pursuant to NAC 625.640, a disciplinary matter may be resolved without a formal hearing by a Stipulated Agreement. To that end, pursuant to the State Board's ongoing oversight pursuant to the 2024 Stipulated Agreement, as well as the additional bases for discipline that have arisen thereunder, Mr Hammond and the State Board resolve to supplement the conditions placed in the 2024 Stipulated Agreement, as follows:

1. The stay of the suspension of Mr Hammond's Nevada Professional Land Surveying License, as set forth in the 2024 Stipulated Agreement, is hereby lifted, and Mr Hammond's license to practice professional land surveying shall be suspended following entry of this Agreement. Mr Hammond can be subject to additional discipline, upon notice and the opportunity to be heard, should Mr Hammond fail to abide by the terms hereof. The suspension of Mr Hammond's professional land surveying license shall continue, and Mr Hammond will not be able to apply for renewal or reinstatement of said license after expiration, until Mr Hammond complies with the following terms:

(a) Mr Hammond satisfying the obligations listed under 1(b) and 1(c) of the 2024 Stipulated Agreement;

(b) Mr Hammond taking and passing the Nevada State Specific Professional Land Surveyor Examination ("NSSPLSE");

(c) Following receipt of a passing score on the NSSPLSE, Mr Hammond appearing before the State Board for an oral interview to determine areas of competency within the discipline of professional land surveying, by which he will abide.

(d) Mr Hammond paying legal and investigative costs to the State Board a total of Three Thousand Two Hundred and Ninety Dollars (\$3,290.00) within ninety (90) days of acceptance and execution of this Agreement by the State Board.

**LAST PROBATION REPORTS DUE February 1, 2026**

**Andrew Hammond, PE 021191 (PLS license currently under suspension)**

Case Numbers: 20230005

Violations: NRS 625.410 (2), and NAC 625.530 (1) and (5).

As of October 22, 2025, the following probation report(s) has not been received:

- For Nevada work performed July 25, 2025 – Sept 24, 2025. (reports due October 15, 2025)

**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 limitation<sup>1</sup>.

On December 31, 2023, Mr Mackay's professional engineering license with Nevada expired.

On April 1, 2024, a "Settlement Agreement, Stipulation, and Order for Reissuance of PE License Subject to Conditions" was entered by the Wyoming Board Engineers and Professional Land Surveyors ("Wyoming Board"), attached hereto as Exhibit "B" and incorporated herein by this reference, granting Mr Mackay a conditional professional engineering license, with conditions to remain in place until Mr Mackay's Utah professional engineering license is fully reinstated without conditions/restrictions.

On May 6, 2024, Mr Mackay applied for late renewal of his Nevada professional engineering license, disclosing his Wyoming discipline, which is now pending.

*Application for late renewal*

First, Mr Mackay allowed his Nevada professional engineering license to lapse on December 31, 2023, and he applied for late renewal thereof on May 6, 2024, which is now pending. For licensing, NRS 625.183 requires, in relevant part, that an applicant “[b]e of good character and reputation.” Without the need for elaboration, Mr Mackay’s conviction of a felony, and the nature of the underlying crime, does not satisfy the requirement “of good character and reputation”.

As such, even though Mr Mackay was inadvertently approved for licensure in Nevada in 2022, his latest application for late renewal may be denied. This Stipulated Agreement allows for conditional approval of said late renewal, pursuant to terms hereinafter set forth.

### *Reciprocal Discipline*

NRS 625.410 states that the State Board may take disciplinary action against a licensee for discipline by another state or territory, if at least one of the grounds for discipline is the same or substantially equivalent to any ground under Nevada law.

The Utah Board imposed discipline, via the Stipulation and Order attached hereto as Exhibit “A”, upon Mr Mackay for “unprofessional conduct”, as specifically defined under Utah Code Ann. § 58-1-501(2)(c), which reads” “engaging in conduct that results in conviction, a plea of nolo contendere, or a plea of guilty or nolo contendere which is held in abeyance pending the successful completion of probation with respect to a crime of moral turpitude or any other crime that, when considered with the functions and duties of the occupation or profession for which the license was issued, bears a substantial relationship to the licensee’s or applicant’s ability to safely or competently practice the occupation or profession”.

Nevada’s NRS 625.410 (4) provides grounds for discipline when there is a “[c]onviction of a plea of nolo contendere to any crime an essential element of which is dishonest or which is directly related to the practice of engineering or land surveying”.

Mr Mackay’s conviction in Utah, as per the Stipulation and Order from the Utah Board, “...when considered with the function and duties of [his] license classification, bears a substantial relationship to [his] ability to safely and/or competently operate as a licensee.” Utah’s and Nevada’s grounds for discipline based upon conviction of a crime that relates to the practice of engineering are substantially similar, and, thus, pursuant to NRS 625.410(4), form the basis for the Nevada State Board to impose discipline on Mr Mackay.

Pursuant to NAC 625.640(3)(b)(2), a disciplinary matter against a licensee may be resolved without a formal hearing by Stipulated Agreement. As such, Mr Mackay and the Nevada State Board hereby stipulate to the following terms for the above-referenced violation(s):

- 1.) Mr Mackay's Nevada professional engineering license shall be renewed following entry of this Agreement, but immediately suspended, with the suspension stayed and probation imposed for the duration of his requirement to register on any Sex Offender Registry in any State of the United States.
- 2.) Mr Mackay shall not work in any occupied residences or any worksite where a minor is present.
- 3.) Mr Mackay shall provide a copy of this Stipulated Agreement, once executed by the Nevada State Board, to any employer he has for the duration of his probation hereunder. Mr Mackay shall provide immediate written notice to the Nevada State Board should he become self-employed or not be employed by a general contractor or an engineering firm, and the Board may, upon a duly noticed hearing on the matter, impose such requirements as deemed appropriate to address concerns that arise from Mr Mackay not having employer oversight.
- 4.) Mr Mackay shall provide the Nevada State Board a copy of the quarterly reports provided by his employer to the Utah Board.
- 5.) Mr Mackay must comply with all requirements imposed by both the Utah Board and Wyoming Board Stipulation and Orders.
- 6.) Mr Mackay shall timely submit detailed bi-monthly probation reports to the Executive Director of the State Board, which shall report any work completed in Nevada during the previous two (2) month period. A report shall be filed even if no work was performed in Nevada during the previous two (2) month period. The first report shall be due within two (2) months of the effective date of this Stipulated Agreement. Each report shall include a copy of the contract executed for any work in Nevada, including the scope of work detail.
- 7.) The stay of Mr Mackay's license suspension may be lifted by the State Board, upon notice and the opportunity for Mr Mackay to be heard, should Mr Mackay fail to abide by the terms hereof.
- 8.) Mr Mackay's successful completion of probation is expressly conditioned upon his full compliance with the following conditions of probation:
  - (a) Mr Mackay shall obey all laws and regulations related to the practices of professional engineering and professional land surveying;
  - (b) Mr Mackay shall provide the Nevada State Board with proof of fulfilling the Utah and Wyoming Stipulation and Orders.

**LAST PROBATION REPORTS DUE – indefinite probation**

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUMMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:

DATE:

**Kevin Gutman, PE 028002**

Case Number: 20240003

Violation of NAC 625.530 (1) and (8)

In March 2022, Mr Gutman was hired by Mr Bell as a full-time employee of HCE. On March 14, 2022, Mr Gutman signed HCE's handbook agreeing to the terms of employment, which prohibits employees from "moonlighting" or obtaining supplemental employment as an engineer without the express approval of the President of the company.

Mr Gutman worked in-office for the first thirty days of his employment with HCE and then moved into a remote status. According to his complaint later submitted to the State Board, Mr Bell noticed that Mr Gutman's work performance was inconsistent, that he was difficult to reach, and that he often uploaded work product during nighttime and early morning hours. After Mr Gutman missed a deadline in January 2024, Mr Bell began researching Mr Gutman's online professional profile and discovered that he was listed as a Senior Project Engineer at an engineering firm with offices in Colorado and New Mexico.

Mr Bell then contacted the firm and confirmed that Mr Gutman had been employed as a full-time mechanical engineer since June 2022. On January 25, 2024, Mr Bell and Mr Gutman had an online video conference. Mr Bell raised the issue of Mr Gutman's inconsistent work performance and asked if Mr Gutman was working for another company. Mr Gutman stated he was having a difficult week due to personal reasons but denied that he was employed with another engineering company. Mr Bell then terminated Mr Gutman immediately.

Subsequently, Mr Bell filed a complaint with the State Board concerning Mr Gutman. In a letter to the State Board responding to Mr Bell's complaint, Mr Gutman admitted to working for two different engineering firms between June 2022 and January 2024, but he stated that he was not aware of HCE's policy prohibiting supplemental employment. He also noted that he was no longer employed by the other firm. The State Board contacted Mr Gutman's other former employer and confirmed that Mr Gutman had been terminated in late January 2024 for lack of performance.

**VIOLATIONS and DISCIPLINARY ACTION**

NAC 625.530(1)1 provides that a professional engineer shall "[a]ct in professional matters as a faithful agent or trustee for each employer or client." Here, Mr Gutman failed to act as a faithful agent of HCE by obtaining supplemental employment as a professional engineer without the permission of HCE.

NAC 625.530(8) provides that a professional engineer “shall, [w]hile employed, not engage in supplementary employment or consulting practice except with the consent of the employer.” Here, Mr Gutman violated this provision by obtaining employment with the other firm during his employment with HCE without securing HCE’s consent.

Under NRS 625.410(8),<sup>2</sup> 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,<sup>3</sup> 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 SUBMITTED FOR THE PERIOD OF: 08-05-2025 THROUGH: 10-04-2025

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 08-05-2025 and 10-04-2025.

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: 10/08/2025

# 12. Stipulated Agreement for Andrew Hammond

STIPULATED AGREEMENT  
ARISNG FROM ORAL INTERVIEW  
CONDUCTED PURSUANT TO THAT  
SUPPLEMENT TO  
STIPULATED AGREEMENT  
OF ANDREW HAMMOND  
LICENSE NO. PE/PLS #021191  
COMPLAINT NO. 20220009

This Stipulated Agreement is made by and between the Nevada State Board of Professional Engineers and Land Surveyors (the “State Board”) and ANDREW HAMMOND, licensed as a Professional Engineer and as a Professional Land Surveyor in the State of Nevada under License No. PE/PLS #021191 (“Mr. Hammond”).

On or about January 24, 2024, the State Board approved a Stipulated Agreement (“2024 Stipulated Agreement”) with Mr. Hammond, of Element Engineering, 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 a Supplement to Stipulated Agreement, dated March 24, 2025, attached hereto as Exhibit “A” and incorporated herein by this reference (including 2024 Stipulated Agreement as Exhibit “1” thereto).

**Stipulated Agreement of Facts**

Mr. Hammond has complied with the terms of the 2024 Stipulated Agreement and Supplemental Stipulated Agreement. However, as a component of the Supplemental Stipulated Agreement, (Section 1 (c) of the conditions thereof) Mr. Hammond, on July 17, 2025, appeared “before the State Board for an oral interview to determine areas of competency within the discipline of professional land surveying, by which he will abide.” As a result of said oral

interview, the State Board found various concerns with Mr. Hammond's Board competency in the discipline of professional land surveying.

To that end, pursuant to the State Board's ongoing oversight pursuant to the 2024 Stipulated Agreement, and subsequent Supplement thereto, Mr. Hammond and the State Board resolve to address the concerns of the State Board by stipulating to the following conditions.

1. Mr. Hammond's Nevada license to practice professional land surveying shall remain suspended following entry of this Agreement. Mr. Hammond can be subject to additional discipline, upon notice and the opportunity to be heard, should Mr. Hammond fail to abide by the terms hereof. The suspension of Mr. Hammond's professional land surveying license shall continue, and Mr. Hammond will not be able to apply for renewal or reinstatement of said license after expiration, until Mr. Hammond complies, to the satisfaction of the State Board, with the following terms:

(a) Mr. Hammond shall coordinate with State Board staff to engage a Nevada licensed Professional Land Surveyor that is approved by the State Board to provide land surveying mentorship ("PLS Mentor"). The PLS Mentor will be provided with a State Board produced outline of areas for skill development. Mr. Hammond shall be responsible for all costs relating to time and expense for the services of the PLS Mentor.

(b) Mr. Hammond shall research, prepare, and present a White Paper to the State Board that addresses and evidences an understanding of the following:

- i. Boundary retracement and boundary evidence evaluations.
- ii. The importance of the monumentation on adjoining parcels in any mapping effort.
- iii. The complexities related to mapping adjacent to highways,

railroads, and riparian features.

(c) Present a work plan outlining processes in performing mapping.

(d) Present a quality control ("QC") plan for his field measurement procedures.

2. Following completion and acceptance/approval by the State Board of all items in Section 1, the stay of suspension will be reinstated on Mr. Hammond's Nevada PLS license, and probation will be imposed with the following terms:

(a) Bi-monthly probation reports to be submitted for any Nevada work, including copies of executed contracts and specific work plan for each project (see 1.(c) above)

(b) Work product to be reviewed by the PLS Mentor prior to agency submittal or release to client.

(c) Assessment by the PLS Mentor of Mr. Hammond's progress (skill development) to be included with each bi-monthly probation report.

(d) Probation period of thirty-six (36) months, but can be revised based on progress or lack of progress as reported by the PLS Mentor.

3. Mr. Hammond understands that he must accept this Stipulated Agreement before it will be presented to the State Board for consideration.

4. Mr. Hammond understands that this Stipulated Agreement is subject to the approval of the State Board and has no force or effect until a final decision is rendered by the State Board, but the underlying Stipulated Agreement remains in full force and effect.

5. The imposition of discipline set forth in this Stipulated Agreement does not limit the powers of the State Board to impose discipline upon Mr. Hammond on matters not yet presented to the State Board.

6. Mr. Hammond acknowledges that he has the following rights, among others:

- (a) The right to a formal fact-finding hearing before the State Board;
- (b) The right to counsel;
- (c) The right to compel testimony of witnesses at hearing;
- (d) The right to cross-examine witnesses of the prosecution at hearing;

and

(e) The appellate right of judicial review of the State Board's decision resulting from a formal hearing.

7. By entering into this Stipulated Agreement, Mr. Hammond hereby waives the above-stated hearing rights, as well as any corresponding appellate rights, should this Stipulated Agreement be approved and executed by the State Board.

8. Mr. Hammond is entering this Stipulated Agreement upon his own volition, with full opportunity to consult legal counsel.

9. This Stipulated Agreement contains the entire agreement between the parties. Mr. Hammond is not relying on any other agreement or representation, verbal or otherwise. This Stipulated Agreement shall be effective upon approval and execution by the State Board and shall constitute an order of the State Board.

I, ANDREW HAMMOND, PE/PLS, have read the above Stipulated Agreement, understand its contents, and **accept** the conditions set forth within it.

Signed:  Date: October 7, 2025.  
ANDREW HAMMOND, PE

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I, ANDREW HAMMOND, PE/PLS, have read the above Stipulated Agreement, understand its contents, and **do not accept** the conditions set forth within it. I request that this

matter be scheduled for a formal hearing before the Nevada State Board of Professional Engineers and Land Surveyors.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_, 2025.  
ANDREW HAMMOND, PE/PLS

This Stipulated Agreement is approved by the Nevada State Board of Professional Engineers and Land Surveyors this \_\_\_\_ day of \_\_\_\_\_, 2025. The effective date of this Stipulated Agreement is \_\_\_\_\_, 2025.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_, 2025.  
L. BRENT WRIGHT, PE/SE, Chairman



Exhibit “A”  
Supplement to Stipulated Agreement

4898-3079-5621, v. 1

**SUPPLEMENT TO  
STIPULATED AGREEMENT  
OF ANDREW HAMMOND  
LICENSE NO. PE/PLS #021191  
COMPLAINT NO. 20220009**

This Supplement to Stipulated Agreement is made by and between the Nevada State Board of Professional Engineers and Land Surveyors (the "State Board") and ANDREW HAMMOND, licensed as a Professional Engineer and as a Professional Land Surveyor in the State of Nevada under License No. PE/PLS #021191 ("Mr. Hammond").

On or about January 24, 2024, the State Board approved a Stipulated Agreement ("2024 Stipulated Agreement") with Mr. Hammond, of Element Engineering, attached hereto as Exhibit 1 and incorporated herein by reference, 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.

**Stipulated Agreement of Facts**

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. Exhibit 1, at 3-4. 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. *Id.* 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 Actions

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 Ninety and No/100 Dollars (\$3,290.00) within ninety (90) days of acceptance and execution of this Agreement by the State Board.

2. Mr. Hammond understands that he must accept this Supplement to Stipulated Agreement before it will be presented to the State Board for consideration.

3. Mr. Hammond understands that this Supplement to Stipulated Agreement is

subject to the approval of the State Board and has no force or effect until a final decision is rendered by the State Board, but the underlying Stipulated Agreement remains in full force and effect.

4. The imposition of discipline set forth in this Supplement to Stipulated Agreement does not limit the powers of the State Board to impose discipline upon Mr. Hammond on matters not yet presented to the State Board.

5. Mr. Hammond acknowledges that he has the following rights, among others:

- (a) The right to a formal fact-finding hearing before the State Board;
- (b) The right to counsel;
- (c) The right to compel testimony of witnesses at hearing;
- (d) The right to cross-examine witnesses of the prosecution at hearing;

and

(e) The appellate right of judicial review of the State Board's decision resulting from a formal hearing.

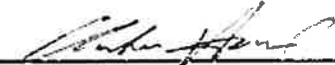
6. By entering into this Supplement to Stipulated Agreement, Mr. Hammond hereby waives the above-stated hearing rights, as well as any corresponding appellate rights, should this Supplement be approved and executed by the State Board.

7. Mr. Hammond is entering this Supplement to Stipulated Agreement upon his own volition, with full opportunity to consult legal counsel.

8. This Supplement to Stipulated Agreement, along with the 2024 Stipulated Agreement incorporated herein by reference, contains the entire agreement between the parties. Mr. Hammond is not relying on any other agreement or representation, verbal or otherwise. This Supplement to the 2024 Stipulated Agreement shall be effective upon approval and execution by

the State Board, and shall constitute an order of the State Board.

I, ANDREW HAMMOND, PE/PLS, have read the above Supplement to Stipulated Agreement, understand its contents, and accept the conditions set forth within it.

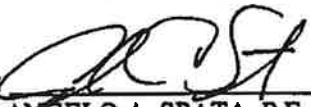
Signed:  Date: February 21, 2025.  
ANDREW HAMMOND, PE

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I, ANDREW HAMMOND, PE/PLS, have read the above Supplement to Stipulated Agreement, understand its contents, and do not accept the conditions set forth within it. I request that this matter be scheduled for a formal hearing before the Nevada State Board of Professional Engineers and Land Surveyors.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_, 2025.  
ANDREW HAMMOND, PE/PLS

This Supplement to Stipulated Agreement is approved by the Nevada State Board of Professional Engineers and Land Surveyors this 24 day of MARCH, 2025. The effective date of this Stipulated Agreement is MARCH 24, 2025.

Signed:  Date: MARCH 24, 2025.  
ANGELO A. SPATA, P.E., Chairman

**Exhibit "1"**  
**2024 Stipulated Agreement**

**4935-3277-4413, v. 1**



**STIPULATED AGREEMENT  
OF ANDREW HAMMOND  
LICENSE NO. PE/PLS #021191  
COMPLAINT NO. 20220009**

**This Stipulated Agreement is made by and between the Nevada State Board of Professional Engineers and Land Surveyors (the "State Board") and ANDREW HAMMOND, licensed as a Professional Engineer and as a Professional Land Surveyor in the State of Nevada under License No. PE/PLS #021191 ("Mr. Hammond").**

**On or about October 12, 2022, the State Board received a complaint against Mr. Hammond, of Element Engineering, from Michelle Williams ("Ms. Williams"). Mr. Hammond stipulates to the facts as stated herein as being truthful.**

**Stipulated Agreement of Facts**

**In or around January 2019, Ms. Williams reached out to Element Engineering via Yelp in search of a professional to help adapt and engineer house plans that Ms. Williams found online. Mr. Hammond replied to Ms. Williams' inquiry via Yelp and indicated he could complete the house plans in about four (4) to five (5) weeks.**

**Ms. Williams 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, Ms. Williams 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 Ms. Williams, Mr. Hammond communicated timelines and completion dates to her, 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.<sup>1</sup> By the time Ms. Williams submitted her 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 Ms. Williams' property.

On or about January 10, 2023, Mr. Hammond refunded the Seven Thousand and No/100 Dollars (\$7,000.00) that Ms. Williams paid Mr. Hammond for services.

#### Violations and Disciplinary Actions

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 Ms. Williams filed the Complaint. Mr. Hammond promised Ms.

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<sup>1</sup> Mr. Hammond resubmitted the plans in September 2021, March 2022, and, again, in June 2022.

Williams with 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.

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. It is a violation of NAC 625.530(1) for a licensee to fail to act in professional matters as a faithful agent. NAC 625.530(5) requires a licensee to only undertake engineering assignments for which he or she is qualified and to engage or advise the client to engage specialists and cooperate with those specialists whenever the client’s interests are served best by such an arrangement.<sup>2</sup>

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<sup>2</sup> NAC 625.530 states, in relevant part, as follows:

In a Professional Engineer’s or land surveyor’s relations with his or her employers and clients, he or she shall

1. Act in professional matters as a faithful agent or trustee for each employer or client.

...

5. Undertake only those engineering or land surveying assignments for which he or she is qualified and

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.

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. The stay of Mr. Hammond's suspension may be lifted by the State Board, and 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. Mr. Hammond's successful completion of probation is expressly conditioned upon his full compliance with the following conditions of probation:

(a) On a bi-monthly basis, Mr. Hammond shall submit, to the State Board, a 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 Ms. Williams 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

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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.

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.

2. Mr. Hammond understands that he must accept this Stipulated Agreement before it will be presented to the State Board for consideration.

3. Mr. Hammond understands that this Stipulated Agreement is subject to the approval of the State Board and has no force or effect until a final decision is rendered by the State Board.

4. The imposition of discipline set forth in this Stipulated Agreement does not limit the powers of the State Board to impose discipline upon Mr. Hammond on matters not yet presented to the State Board.

5. Mr. Hammond acknowledges that he has the following rights, among

others:

- (a) The right to a formal fact-finding hearing before the State Board;
- (b) The right to counsel;
- (c) The right to compel testimony of witnesses at hearing;
- (d) The right to cross-examine witnesses of the prosecution at hearing;

and

(e) The appellate right of judicial review of the State Board's decision resulting from a formal hearing.

6. By entering into this Stipulated Agreement, Mr. Hammond hereby waives the above-stated hearing rights, as well as any corresponding appellate rights, should this Agreement be approved and executed by the State Board.

7. Mr. Hammond is entering this Stipulated Agreement upon his own volition, with full opportunity to consult legal counsel.

8. This Stipulated Agreement contains the entire agreement between the parties. Mr. Hammond is not relying on any other agreement or representation, verbal or otherwise. This Agreement shall be effective upon approval and execution by the State Board, and shall constitute an order of the State Board.

I, ANDREW HAMMOND, PE/PLS, have read the above Stipulated Agreement, understand its contents, and accept the conditions set forth within it.

Signed:  Date: January 11, 2024.  
ANDREW HAMMOND, PE

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I, ANDREW HAMMOND, PE/PLS, have read the above Stipulated Agreement,

Angelo A Spata

understand its contents, and do not accept the conditions set forth within it. I request that this matter be scheduled for a formal hearing before the Nevada State Board of Professional Engineers and Land Surveyors.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_, 2024.  
ANDREW HAMMOND, PE/PLS

This Stipulated Agreement is approved by the Nevada State Board of Professional Engineers and Land Surveyors this 24 day of January, 2024. The effective date of this Stipulated Agreement is January 24, 2024.

Date: 01/29/2024, 2024. Signed: Angelo A. Spata  
Angelo A. Spata, P.E., Board Chair  
ANGELO A. SPATA, P.E, Chairman

4877-5201-7820, v 1

# 13. Board Counsel Report



# 14. Updated Board Rules of Practice

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

## RULES OF PRACTICE

In accordance with NRS 233B.050, the Nevada State Board of Professional Engineers and Land Surveyors (the "Board") adopts the following rules of practice.

### PROCEDURES FOR HANDLING COMPLAINTS AGAINST LICENSEES

#### I. Initial Complaint:

a. Upon the receipt of a complaint against a licensee, applicant or third party, a determination shall be made by a Board compliance officer ("Compliance Officer") following consultation with the Board's executive director ("Executive Director"), if necessary, as to whether the complaint sets forth adequate grounds for the imposition of discipline by the Board (See NRS 625.410).

b. In conjunction with the review of the complaint, Compliance Officer may return the Board's complaint form to the person filing the complaint ("Complainant") and request Complainant to more fully set forth the nature of the complaint, the identity of Complainant and/or the identity of the person against whom the complaint is made ("Respondent"). A copy of the complaint form currently used by the Board is attached as Exhibit "1" to these Rules of Practice and Procedure.

c. When the Board receives the completed complaint form that the Compliance Officer determines sets forth grounds adequate for the possible imposition of discipline, Compliance Officer shall forward a copy of the complaint to Respondent and request a detailed written response to the complaint. Respondent is required to respond to Compliance Officer's request within thirty (30) days (See NRS 625.410(9)).

d. Upon receipt of the Respondent's response to the complaint, Compliance Officer, with the assistance of Executive Director (and/or the Board's legal counsel if necessary),

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shall make an initial determination as to whether it is probable that a violation of the statutes, regulations or rules governing the practice of professional engineering or land surveying in the State of Nevada has occurred.

e. Compliance Officer shall make a recommendation to Executive Director concerning the manner in which the complaint should be handled (dismissal, stipulated agreement, referral to an advisory committee or a formal disciplinary hearing). (See NAC 625.640).

f. The Executive Director shall select an appropriate Board member ("Board Liaison") to review the matter with Executive Director, consider the recommendation made by the compliance staff and, if necessary, discuss the matter with the Board's legal counsel.

g. Executive Director and Board Liaison will decide whether to: dismiss the action; refer the matter to an advisory committee; proceed with disciplinary proceedings; or request that additional information be provided (See NRS 2338 and NAC 625.640).

(1) If the matter is dismissed, Complainant and Respondent shall be advised in writing that the complaint has been dismissed, and Executive Director shall report the dismissal at the next regularly scheduled meeting of the Board.

(2) If Executive Director and Board Liaison decide to have the matter heard by an advisory committee, Compliance Officer shall follow the procedures necessary to establish an advisory committee and shall set a time and place for the committee to review the matter (See NAC 625.646).

(3) If Executive Director and Board Liaison decide that the matter warrants going forward with a disciplinary proceedings, Executive Director and Board Liaison shall develop terms acceptable to them for the matter to be resolved by stipulated agreement between the Board and Respondent, which the Board legal counsel shall incorporate into a

stipulated agreement and forward to Respondent for consideration. A form stipulated agreement is attached hereto as Exhibit "2". If Respondent declines the proposed stipulated agreement, Executive Director and Board Liaison shall have the discretion to direct Board's legal counsel to prepare a formal disciplinary complaint and set the matter for hearing. If Respondent accepts the proposed stipulated agreement, it shall be submitted to the Board for consideration at its next meeting, or at such Board meeting thereafter as time permits. The stipulated agreement shall not be effective unless and until approved by the Board.

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(4) If Executive Director and Board Liaison decide to go forward with a formal disciplinary complaint, or should the Board decline to accept a proposed stipulated agreement and order the matter be set for hearing, Executive Director shall set a hearing date and direct the Board's legal counsel to prepare a formal disciplinary complaint.

h. The Board, acting through its Chairperson or Executive Director, may issue subpoenas requiring the attendance of an individual or the production of requested documents (See NRS 625.440).

## II. Formal Disciplinary Complaint:

a. The Board's legal counsel shall prepare a formal disciplinary complaint setting forth the specifics of the complaint and the rules, statutes or regulations which the Respondent has allegedly violated. A form disciplinary complaint is attached as Exhibit "3". The Board's legal counsel shall prepare the notice of the hearing on the formal disciplinary complaint. A form notice of hearing is attached as Exhibit "4".

The Board's legal counsel shall forward by certified mail, return receipt requested, the formal complaint and notice of the hearing to Respondent, together with a letter advising the

Respondent of his or her certain rights and obligations, as well as the requirement for Respondent to provide a list of witnesses and exhibits to Board's legal counsel at least ten (10) calendar days before the hearing. A form letter to Respondent is attached as Exhibit "5".

b. Respondent may request a continuance of the scheduled hearing.

Generally, Executive Director will grant one continuance of a scheduled disciplinary hearing. All other requests for continuances will be denied unless Respondent can demonstrate clear and convincing grounds for the granting of a second continuance.

c. Prior to the hearing, Executive Director may discuss with Board Liaison and the Board's legal counsel the parameters within which the disciplinary complaint may be settled. If settlement is pursued, the Board's legal counsel shall discuss possible settlement of the disciplinary action with Respondent. If it appears that the complaint can be resolved by stipulated agreement, the Board's legal counsel shall draft a proposed Stipulation and Decision to resolve the formal disciplinary complaint. A form Stipulation and Decision of the Board is attached as Exhibit "6".

d. The proposed Stipulation and Decision shall be submitted to the Board at its next meeting. The Stipulation and Decision is not effective unless and until the Stipulation and Decision is approved by the Board at a public meeting.

e. Prior to the hearing, if a Stipulation and Decision is not entered, the Board's legal counsel shall attempt to enter into a stipulation of proposed list of exhibits with Respondent to be admitted at the hearing.

### III. Procedures Governing a Formal Disciplinary Hearing:

a. The hearing may be held before the Board or, at the discretion of the

Executive Director and Board Liaison, delegated to be held before a hearing officer of the Board.

b. Respondent is entitled to be represented by an attorney licensed in the State of Nevada. ~~(See NAC 625.635).~~

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c. In a disciplinary hearing before the Board, the Chairperson of the disciplinary hearing shall request all Board members to advise whether they have a conflict which requires them to recuse themselves from participating in the hearing.

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d. In a disciplinary hearing before the Board, Board Liaison in a matter shall recuse him or herself from participating in the hearing.

e. The Board's legal counsel shall mark and place into evidence all exhibits which support the allegations contained in the complaint. Respondent may state his/her objections, if any, to the exhibits and may submit additional exhibits which are relevant to the charges set forth in the complaint or to the defenses raised in Respondent's answer to the complaint.

f. In a disciplinary hearing before the Board, the Board Chairperson, or a Board member designated by the Board Chairperson, shall chair the disciplinary hearing.

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g. The Chairperson or hearing officer, as the case may be, of the disciplinary hearing shall make all rulings concerning the admission of evidence. The Chairperson or hearing officer, as the case may be, of the disciplinary hearing may accept into evidence those exhibits that have been marked and offered by the Board's legal counsel and/or Respondent.

h. The Board's legal counsel and Respondent may make a short opening statement. Thereafter, the Board's legal counsel shall call witnesses to testify concerning the allegations contained in the complaint. Respondent may cross-examine the witnesses and may call witnesses to testify on his or her behalf. Board's legal counsel may cross-examine Witnesses called by Respondent. The Board Chairperson or designee shall have the discretion as to whether

counsel shall have the right to re-direct and/or re-cross examination.

i. Formal rules of evidence do not apply. (See NRS 2338.123).

j. After the evidence, exhibits and testimony have been submitted,

Respondent may make a closing argument. The Board's legal counsel does not make a closing argument and does not make any recommendation to the Board or hearing officer, as the case may be, concerning the manner in which the disciplinary complaint should be resolved, but it may clarify to the Board or hearing officer, as the case may be, the various counts asserted against Respondent.

k. After the evidence has been submitted and Respondent has finished his or her closing statement, the Chairperson or hearing officer, as the case may be, of the disciplinary hearing shall summarize the issues to be decided or addressed by the Board or hearing officer, as the case may be. The alleged violations must be proven by substantial evidence.

l. For a disciplinary hearing before a hearing officer, the hearing officer shall make findings and recommendations, which shall be presented to the Board to:

(1) Approve, with or without modification,

(2) Reject and remand the matter to the hearing officer;

(3) Reject and order a hearing de novo before the Board; or

(4) Take any other action that the Board deems appropriate to resolve the matter.

m. For disciplinary hearings before the Board, or upon being presented the findings and recommendations of a hearing officer, any Board member may make a motion concerning the decision to be made by the Board. The motion must be seconded and adopted by a majority vote of the Board members participating in the hearing to be effective.

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k. After the Board has made a decision on a matter, the Board's legal counsel shall draft a formal Decision and Order and submit the draft to the Executive Director. A form Decision and Order is attached as Exhibit "7". The Executive Director may make appropriate revisions and forward the revised Decision and Order to the Chairperson of the disciplinary hearing for signature.

l. The signed Decision and Order of the Board shall be served by certified mail on Respondent, return receipt requested.

m. Respondent has 30 days following receipt of the written decision of the Board to seek judicial review. (See NRS 2338. 130).

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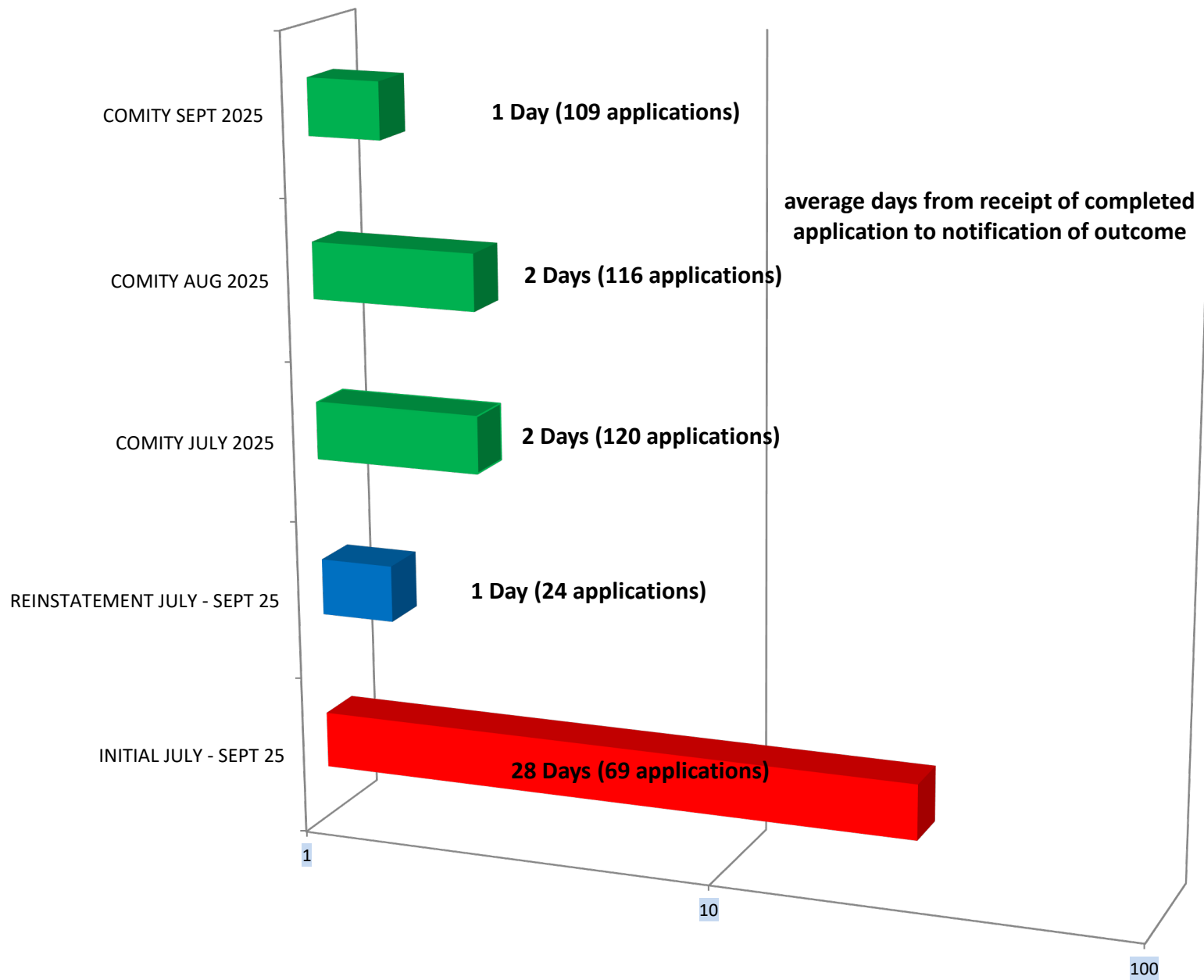
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# 15. Administrative Report by Executive Director

# 15.a. Approved Licensees Report



# 15.b. 2021-2025 Strategic Plan



# STRATEGIC PLAN UPDATE

## Executive Summary

Approved November 12, 2020

UPDATED Fall 2020

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## EXECUTIVE SUMMARY

### STRATEGIC PLAN UPDATE ~ SEPTEMBER 11, 2020

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The Nevada Board of Professional Engineers and Land Surveyors developed a comprehensive Strategic Plan in March 2017. The plan was created using a 10-30 year planning horizon based on the board's core ideology consisting of a core purpose and core values.

Because the Strategic Plan had been developed in 2017, the board felt it was timely to reconsider its contents. The Board met September 11, 2020 to comprehensively review its Strategic Plan and consider any needed updates to that plan.

At the September 11, 2020 Strategic Planning Session, the board reaffirmed that the goals developed in the current Strategic Plan based on a 10-30 year planning horizon were still relevant. The session then focused on review and refresh of strategies. It was agreed that tactics and action items would be driven by the strategies and developed by the board and its committees at future meetings.

This document restates the board's goals for its updated Strategic Plan and captures the board's strategies for the next 3-5 year planning horizon.

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## EXECUTIVE SUMMARY

### PURPOSE ~ MISSION ~ CORE VALUES

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#### 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.



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## 3-5 YEAR PLANNING HORIZON

### ~ OUTCOME-FOCUSED GOALS AND STRATEGIES ~

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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.c. NCEES

# 16. Committee Reports

# 16.a. Administrative Procedures Oversight Committee

# 16. b. Legislative Committee

# 16.b.i. Experience Credit Given to Accelerated Post-Graduate Master's Programs



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

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

\* Please note **Acceptable Experience** cannot be accrued concurrent with **Education Credit**

# 16.c. Professional Association Liaison Committee

# 16.d. Public Outreach Committee

# 16.e. PLS Subcommittee

## 16.f. Governmental Outreach Committee

# 17. Independent Financial Audit Report for Fiscal Year 2024- 2025

18. Business and  
Industry's Proposed  
Regulation Updates to  
NAC 232.XXX

## DEPARTMENT OF BUSINESS AND INDUSTRY

**Disclaimer:** *Nothing in these regulations shall be construed to supersede or conflict with the procedural requirements set forth in NRS Chapters 622 or 622A, or with any current NRS or NAC applicable to boards governed under Title 54. These standards are intended solely to supplement existing statutory provisions for the purpose of administrative oversight, operational consistency, and inter-board standardization pursuant to NRS 232.8415.*

### General Provisions

**NAC 232.010 Definitions.** (NRS 233B.505) As used in NAC 232.010 to 232.140, inclusive, unless the context otherwise requires:

1. “Chief” means the chief of a division of the Department.
2. “Department” means the Department of Business and Industry.
3. “Director” means the Director of the Department.
4. *“Office” means the Office of Nevada Boards, Commissions, and Councils Standards.*
5. *“Board” means any board, commission, or other statutorily created entity under the purview of the Office pursuant to NRS 232.8415.*
6. *“Board Member” means a person appointed to serve on a specific board or who has previously served on that specific board.*
7. *“Executive Director, or equivalent officer of the boards” means a person appointed or employed by a board who is responsible for overseeing the day-to-day operations of the board.*
8. *“License” means any permit, registration, certificate, or license issued by the a board under the Department.*
9. *“Licensee” means any person who has been issued a permit, registration, certificate, or license by the board under the Department.*
10. *“Profession” means any activity, occupation, or vocation regulated by the board under the Office of Nevada Boards, Commissions, and Councils Standards.*

### NAC 232.XXX – Department; powers and duties

1. *Pursuant to NRS 232.8415(1)(a), Boards shall adopt and enforce those procedures and requirements which are created or approved by the Office for their centralized administration, including*
  - a. *In regards to Performance Monitoring and Date Reporting, Boards shall:*
    - i. *submit quarterly reports to the Office detailing*



1. *complaints received, resolved, pending, and processing time averages*
        2. *licensing received, rejected and processing time averages*
      - ii. *Adopt and maintain a written investigation policy that includes estimated timelines for each phase of the investigative process. The policy may allow for deviations from these timelines, provided that the reason for any deviation is clearly documented in the investigative file.*
      - iii. *Track bills during the legislative session that affect Board operations or professions*
      - iv. *Update its administrative codes in response to newly enacted laws*
      - v. *Ensure proper reconciliation of board accounts and bank records*
    - b. *In regards to reporting and audit readiness, Boards shall ensure timely and accurate compliance with all audit requirements, including but not limited to those mandated by statute, regulation, the State Administrative Manual, and procedures required by the Office. To meet these obligations, Boards shall:*
      - i. *Track and meet reporting deadlines required in statute, regulation, the State Administrative Manual, and procedures required by the Office including those enumerated in NRS 218G.400, NRS 331.110, NRS 333.705,*
      - ii. *Maintain an internal system to track all report due dates as required by statute, regulation, the State Administrative manual, and procedures required by the Office , including those referenced in subsection (b)(i) of this section*
      - iii. *Prepare and Submit Financial Statements pursuant to Nevada Revised Statue to the Office, including*
        1. *Submission of quarterly financial statements as required by the Office within 30 days after the close of each quarter, using the standardized format provided by the Office.*
        2. *Submit a comprehensive annual financial report within 9 months of year end close out:*
          - a. *Total revenues, expenditures, and year-end cash balances*
          - b. *A review of the adequacy of existing fees*
          - c. *Any significant financial or structural concerns*
    - c. *For Training and Professional Development, all Boards will draft a policy detailing training requirements for board members. This policy must:*
      - i. *Require Board Members to complete standardized training from the Attorney General's Office as required by NRS 622.200. When approved by the Office, this standardized training may be satisfied by completion of courses provided on the Attorney General's Office website.*

- ii. *Require the Board's Executive Director and relevant staff to notify Board Members of updated training modules to ensure their ongoing compliance with training required by this Chapter;*
    - iii. *Executive Directors will provide completion status of training to the Office.*
    - iv. *Required Board Members complete any specific training mandated by the Office*
    - v. *Include timelines for the completion of any training required by this chapter.*
    - vi. *Be approved by the Office.*
  - d. *In regards to Board Member Support Services:*
    - i. *Boards shall maintain a centralized log of appointment terms and expiration dates*
  - e. *Access to investigative reports and documentation*
    - i. *Upon request of the Office, a board communicate or cooperate with or provide any documents or other information to the Office regarding and investigation or disciplinary matter of the Board. :*
    - ii. *Any confidential or investigatory records obtained by the Office pursuant to this section must remain confidential in accordance with applicable state or federal law and shall be used solely for official purposes consistent with the Office's statutory duties.*
2. *Pursuant to NRS 232.8415(1)(b), Boards shall adopt and enforce those uniform standards created by the Office for investigations, licensing and discipline, including, without limitation, those which separate the roles and responsibilities for occupational licensure from the roles and responsibilities for occupational discipline.*
3. *Pursuant to NRS 232.8415(1)(c), Boards shall adopt and enforce those standards for internal financial controls approved by the Office. These standards must include:*
- a. *In regards to fiscal accountability, Boards shall develop and monitor board budgets*
  - b. *In regards to data integrity and information management, Board's shall*
    - i. *Ensure licensee, financial, and complaint data are accurate and verifiable*
    - ii. *Protect confidential and personally identifiable information*
      - 1. *Respond to all statutory Audits including*
        - a. *Addressing audit findings of authorized entities, including the Office, with written plans and submission follow-up documentation as required*

- b. *Cooperating with audit reviews conducted by the Office, the Legislative Auditor, or other authorized entities*
  - 2. *Remedies for Noncompliance*
    - a. *The Office may issue a written notice of deficiency and require corrective action within a 30 days*
    - b. *Continued failure to comply may result in enhanced administrative oversight, referral to the Governor for potential removal actions under NRS 232A.030, or withholding of administrative or fiscal support services*
  - c. *Fiscal independence and cost allocation*
    - i. *Each Board shall retain full control and custody of all revenue collected under its statutory authority, including but not limited to license fees and other board-generated income.*
    - ii. *The Office shall not access, redirect, or utilize Boards funds*
    - iii. *Boards shall be responsible only for cost allocation charges specifically authorized by statute and enacted by the legislature to fund the operations of the Office.*
    - iv. *All other funding shall remain under the Board's sole authority, subject only to its enabling statutes and applicable financial controls.*
- 4. *Pursuant to NRS 232.8415(1)(d), Boards shall adopt and enforce those uniform set of standards for legal representation that are created or approved by the Office.*
- 5. *Pursuant to NRS 232.8415(1)(e), Boards shall adopt and enforce those sets of structural standards created or approved by the Office, including:*
  - a. *In regards to Board composition and statutory compliance, Boards shall maintain records of each board member's designated seat, including whether their designation is statutorily required as a public member, industry representative, or licensee.*
  - b. *In regards to Board officer roles and elections, Boards shall*
    - i. *Hold officer elections as required by statute or regulation of the Board. Where the term of an officer is not provided by Statute or Regulation of the Board, the Boards shall hold annual elections for officer positions.*
  - c. *In regards to Board Member attendance and participation,*
    - i. *Board Members shall observe the minimum attendance requirements for board meetings set by the Office*
    - ii. *Boards shall recommend the removal of any Board member who has three consecutive unexcused absences, as defined by the Office, for meetings, or has unexcused absences for 50% of the meetings within a 12-month period.*

- iii. *Defining “unexcused absences” and procedures for documenting member absences*
  - iv.
  - v. *Board Members shall observe the procedures created by the Office for participation in training and active engagement in board responsibilities.*
6. *Pursuant to NRS 232.8415(1)(f), Boards shall adopt and enforce those requirements created or approved by the Office for transparency and consumer protection including*
- a. *In regards to Websites*
    - i. *Boards shall maintain a publicly accessible and ADA-compliant website containing, at a minimum, the following information:*
      - 1. *A citation and link to the enabling statutes of the Board in the Nevada Revised Statutes (NRS) and its regulations in the Nevada Administrative Code (NAC)*
      - 2. *The name of all current Board Members*
      - 3. *The statutorily designated position each board member fills*
      - 4. *The start and expiration date of each board member’s current term*
      - 5. *The name and title of the Executive Director or equivalent officer of the boards*
      - 6. *A general email address for contacting the Board*
      - 7. *The physical and mailing address of the Board*
      - 8. *The main telephone number of the Board*
      - 9. *Upcoming Board and committee meetings, including the date, time, location, agenda, and virtual attendance information for year if available*
      - 10. *Archived agendas and minutes of past meetings must follow NRS 241.035*
      - 11. *A license verification system available on the Board’s homepage or accessible within one click from the homepage that includes at a minimum:*
        - a. *The full name of each active licensee*
        - b. *The type of license or certification held*
        - c. *The license number*
        - d. *The license status*
        - e. *The original issuance date and expiration or renewal date, and*
        - f. *An indication of whether the licensee has ever been subject to discipline (“yes” or “no”)*

- 12. *A disciplinary action portal or searchable system available on the Board's homepage including, at a minimum, unless otherwise provided by statute:*
    - a. *All disciplinary actions taken by the Board against licensees*
    - b. *The licensee's name, license number, type of disciplinary action, and date of action*
    - c. *Access to the final order or settlement agreement*
    - d. *The portal or searchable system must be updated within 15 calendar days of any new disciplinary decision*
  - 13. *Instructions and forms for filing a complaint against a licensee*
  - 14. *The most recent financial statement or budget summary required under NRS 622.100 or NRS 218G.400*
  - 15. *Any audit, sunset review report, or legislative performance evaluation prepared within the last 5 years, and*
  - 16. *A direct link to the website of the Office of Nevada Boards, Commissions, and Councils Standards available on the Board's homepage.*
  - 17. *All regulations that have been adopted and not codified*
  - 18. *Each Board shall include the following additional information on its website to improve transparency and service to the public:*
    - a. *Mission statement*
    - b. *Annual reports or performance data*
    - c. *Instructions and forms for licensure, renewal, and reinstatement*
    - d. *All statutory reports and audits*
- b. *In regards to complaint transparency and access, Boards shall*
    - i. *Provide clear instructions for filing complaints against licensees or the Board*
    - ii. *Offer online complaint portals or downloadable forms on Board websites*
    - iii. *Protect confidentiality in accordance with applicable laws while promoting fairness and responsiveness*
  - c. *In regards to consumer education and outreach, Boards may*
    - i. *Publish newsletters, alerts, and bulletins to inform the public about board activities*
    - ii. *Provide resources on professional standards, ethical conduct, and how to report misconduct*
    - iii. *Promote awareness of consumer rights and board jurisdiction*

7. *Pursuant to NRS 232.8415(1)(g), Boards shall adopt and enforce those requirements created by the Office for efficacy and efficiency*

DRAFT

## Mark Fakler

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**From:** Mark Fakler  
**Sent:** Friday, October 10, 2025 9:55 AM  
**To:** Nikki Haag; Kristopher Sanchez  
**Cc:** Murray Blaney  
**Subject:** NBCCS Office Regulations  
**Attachments:** NVBPELS NAC 232.XXX Draft Regulations Response Ltr 10.10.25.pdf; NVBPELS Proposed Updates to NAC 323.XXX.pdf

Good morning, Nikki and Kris.

Please see our response and proposed edits to the Department of Business and Industry's Draft Regulations. (NAC 323.XXX)

Thank you.

October 10, 2025

Ms. Nikki Haag  
Deputy Director  
Office of Nevada Boards, Commissions, and Council Standards  
Department of Business and Industry

Ms. Nikki Haag:

Thank you for allowing us the opportunity to review and comment on the Department of Business and Industry's proposed regulation changes, referred to as "Regulations and Administrative Standards for Nevada's Title 54 Boards-draft NH" (Draft Regulations). It is clear the Department and stakeholders have put considerable time and energy into developing the proposed regulation changes before us now.

The Nevada Board of Professional Engineers and Land Surveyors (NVBPELS) is fully committed to any and all practices that improve accountability, transparency and efficiency and it is in this light that we have taken the time to thoroughly review your draft regulations to provide you with thoughtful commentary and meaningful revisions. Our comments and revisions are enumerated below and collected in a Word Document mark-up file; attached for your review.

*Section 1(b), 1(b)(i), 1(b)(ii), there is reference to "procedures required by the Office". Those undefined procedures should be set forth in the regulations, rather than left to the Office to develop without input, to prevent unfeasible requirements and/or arbitrary rule-making;*

*Section 1(b)(iii)1, We prepare monthly financial statements (a widespread practice). These statements are presented at our regular board meetings. The additional effort and money spent producing a quarterly report feels like an unwarranted cost burden that we and the other boards will have to bear.*

*Section 1(e)(i) requires the Board to share documents/information regarding an investigation. However, NRS 625.425(1) provides that investigative records are confidential, and pursuant to NRS 625.425(3), the records can only be shared with another licensing board or agency that is investigating that person. It does not make an exception for an agency that is auditing the Board;*

*Section 2 talks about each Board adopting the “uniform standards created by the Office”. However, again, any uniform standards should be set forth in regulation, rather than developed by the Office without stakeholder input/public oversight;*

*Section 3, the same comment as above regarding “standards for financial controls approved by the Office”. Standards should be developed in regulation;*

*Section 3(b)(2)(b), what does “enhanced administrative oversight” consist of, and what “administrative or fiscal support services” are even being provided that could be withheld?*

*Section 3(c)(iii), There are no statutes enacted by the legislature to allocate funds from the boards to fund the operations of the Office. (iii) should be deleted.*

*Section 4, what “uniform set of standards for legal representation” does the Office envision. What guidance is there for the Board to know what standards would be acceptable?*

*Section 5, the same concern as set forth for Section 4, above, regarding a “uniform set of structural standards created or approved by the Office.” Such standards should be set forth in regulation, rather than developed at the whim of the Office, without input/public process;*

*Section 5(c)(i) says the Office shall set minimum attendance requirements, but then (ii) and (iii) go on to address minimum attendance requirements. (i) should be deleted;*

*(iv) under Section 5(c) is blank and should be deleted;*

*Section 5(c)(v), Individual boards should be the ones who create procedures for their board members and prospective board members. However, these procedures should be reviewed by the office.*

*Section 7, any requirements imposed upon Boards should be set forth in regulation and not developed by the Office internally. Not putting such requirements in regulation deprives the process of transparency and stakeholder/public input.*

The process feels compressed, and we are concerned that the first public workshop scheduled for next Friday might be a bit premature given the fact that it is only a week after you are to receive comments from the responding boards. I believe that this could jeopardize quality and effectiveness of regulations that we are working toward.

This schedule does not allow us the opportunity to present the proposed regulations to our board for their insight and feedback. I cannot speak for the other boards, but I believe that many are in the same



predicament that NVBPELS is in, which is the missed opportunity for boards and board members to review of the proposed regulation changes and provide their input. I would respectfully request that the first public workshop be rescheduled for later in the month to allow us the opportunity to present the proposed regulation changes to our full Board. NVBPELS could convene a special Board meeting on or around the date of Thursday, October 23<sup>rd</sup> if this would be possible.

Thank you for all your hard work and communication with the Title 54 Boards. We know this is long arduous process that requires time, hard work, and compromise. We are committed to this process and working with the Department of Business and Industry and the Office as we work together to draft regulations that best serve our great State and its citizens.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Mark Fakler', written in a cursive style.

Mark J Fakler, PE  
Executive Director.

Mark J Fakler  
Executive Director

Nevada Board of Professional Engineers and Land Surveyors  
1755 E Plumb Lane, Suite 258  
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[mfakler@nvbpels.nv.gov](mailto:mfakler@nvbpels.nv.gov)  
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# 19. Government Liaison Report

# 20. Legislative Bill Draft Requests

# 21. 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.

d. Public Outreach Committee, Chair Jay Dixon

Additional ethics speaker option. Mr Fakler to get contact details from Mr Kidd. **Mr Fakler**

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

Include agenda item for next APOC meeting to consider negotiating an expanded level of government liaison services to help advise the Government Outreach Committee. **Mr Fakler**

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**

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**

## **September 11, 2025, Board meeting**

7. Consideration of non-appearance initial licensure application for Mr Quinlan Parker that was tabled at the August 14, 2025, Interim Board meeting.

Ms Purcell requested an item be added to a future legislative committee relating to the experience equivalency assigned to master's degree. **Staff**

Mr Matter asked that the legislative committee consider the time requirement for undergraduate degrees and whether the four-year timeframe is still relevant. **Staff**

8. Discussion and possible action related to acceptance of land surveying experience obtained concurrently with land surveying education.

Mr Falker to discuss board directive relating to PLS applicant concurrent experience/oral interviews with staff to develop a process. **Mr Fakler/Staff**

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

Mr Fakler to contact NCEES to offer the assistance of Nevada Board in planning and hosting the 2026 NCEES Annual meeting in Henderson. **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**

6. Consider proposed budget for fiscal year July 1, 2023, to June 30, 2024.

Suggested that options be explored that could be of some tangible benefit to existing licensees to accelerate the reduction of the reserve. Prepare evaluation of options to be considered by APOC. **Staff**

**April 1, 2025, Meeting**

6. Consider proposed budget for fiscal year July 1, 2025, to June 30, 2026.

Relating to item 6 from the March 2023 meeting, staff to draft options and present for committee consideration at the next scheduled APOC meeting. **Staff**

**PUBLIC OUTREACH COMMITTEE**

**July 3, 2025, Meeting**

Consider options to expand PE/PLS badge program to all licensees. **Staff**

Committee meeting dates to be scheduled 60 days in advance. **Staff**

**LEGISLATIVE COMMITTEE**

Items for discussion

Summary of past legislative session in relation to SB 78, moved to **10.16.2025 LegComm agenda**

Concurrent experience as it relates to NRS 625.183 and NRS 625.270. See related memo from 9.11.2025 Board meeting. **Future discussion**

Consider the relevancy of "...engineering curriculum of 4 years or more that is approved by the Board..." as it relates to the current delivery of education. **Future discussion**

Letter from NALS relating to NRS 625.380. **Future discussion**, move to **PLS Subcommittee**

As a result of NCEES Annual Meeting vote on *Engineering Licensure Task Force Motion 1*, the proposed pathway for comity licensure for non-degree applicants. To be vetted by LegComm (for review against current regulations). **Future discussion**

Consider future licensing of engineers as it relates to emerging technologies and blended engineering degrees including considering retention and/or modification of specific disciplines licensed by the board. Develop position statement before end of FY 2023/2024 of the issues to be addressed. This item encompasses discipline specific vs PE state discussion. Mr Fyda and Mr Fakler to discuss and identify possible solutions to the issues identified by position statement. **Future discussion**

Possible NRS changes for consideration

NRS 327 (National datum update), moved to **PLS Subcommittee**

NRS 625.280 (regarding release of NCEES PLSS module), moved to **PLS Subcommittee**

NRS 625.183 (Engineering master's/doctorate experience equivalent), moved to **10.16.2025 LegComm agenda**

Possible NAC changes for consideration

NAC Chapter 232 (draft regulations proposed by B&I, related to board oversight), moved to **10.16.2025 LegComm agenda**

NAC 625.310 (impact of NCEES PLSS module), moved to **PLS Subcommittee**

NAC 625.240 (relates to comity licensure – discussion item above). **Future discussion**

Schedule for codification approved NAC changes

R 077-23 Licensure and Examinations    R 126-23 PLS Standards of Practice

R 079-23 Miscellaneous                      R 006-24 Written Contracts

R 105-23 PLS Standards of Practice    R 007-24 PLS Standards of Practice

Have connected with LCB, **awaiting timeline update**

**PLS STANDARDS OF PRACTICE SUB-COMMITTEE**

– **NRS 327** (National datum update)

Added to agenda for **10.21.2025 meeting**

– **NRS 625.280** (regarding release of NCEES PLSS module)

Added to agenda for **10.21.2025 meeting**

– **NRS 625.380**

Letter from NALS relating to NRS 625.380. Moved to PLS Standards of Practice sub-committee for discussion. **Future discussion**

– **NAC 625.310** (impact of NCEES PLSS module)

Added to agenda for **10.21.2025 meeting**



## **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.

## 22. Future Meeting Dates

## **BOARD MEETING DATES**

Board meetings are typically scheduled for the second Thursday of every other month.

January 15, 2026 — Las Vegas

March 12, 2026 — Reno

May 14, 2026 — Las Vegas

July 16, 2026 — Reno

September 10, 2026 — Las Vegas

November 12, 2026 — Reno

## **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

# 23.Topics for Future Meetings

# 24. Public Comment

## 25. Adjournment