

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



**REGULAR BOARD MEETING  
SEPTEMBER 16, 2021  
Reno, NV**

# 1. Meeting Call to Order

## 2. Pledge of Allegiance

# 3. Public Comment

# 4. Introductions

# 5. NRS/NAC 625 Waiver Requests

**WAIVER REQUESTS**  
**Thursday, September 16, 2021**

<b>APPLICANTS REQUESTING WAIVER OF NRS 625.183(4)(B)</b>			
<b>NAME</b>	<b>DISCIPLINE</b>	<b>TO:</b>	<b>GRANT?</b>
1. Jonathan Zittel	MINE	Greg DeSart, PE	
<b><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."</i></b>			

# 6. Non-Appearance 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): ABET/CAC accredited	4	4
Undergraduate (BS): ABET/ANSAC accredited	4	4
Undergraduate (BS Engineering): ABET equivalent ie Washington Accord	4	4
Undergraduate (BS Engineering): Not ABET accredited	4	6
Undergraduate (BS Construction Management): ABET accredited	4	4
Undergraduate (BS Construction Management): Not ABET accredited	4	6
Undergraduate (BS Engineering): not ABET equivalent	2	8
Engineering Masters: US with non-accredited BS/MS	6	2
Engineering Masters & Doctorate: US with non- accredited BS/MS	6	2
ABET engineering degree in specific discipline – experience and/or exam in another discipline	4	4

\*Special Consideration – deficiencies to be reviewed by the Board.


# Chemical

# SEAN SULLIVAN (15-588-23)


All work experience reviewed by two licensed professionals





DISCIPLINE: CHEMICAL

## GENERAL


 Applying To **Nevada**  
Application Type **Initial - PE**  
Application Date **07/16/2021**  
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 **7 months**  
Disciplinary Action **None reported**

## EDUCATION

 Bachelors in Chemical Engineering (EAC)  
**University of Nevada, Reno**  
**August 2010–May 2015**

## EXAMS

 Fundamentals of Engineering (FE)  
**Nevada**  
**February 2015**  
Principles and Practice of Engineering (PE)  
**Chemical**  
**Nevada**  
**January 2018**



## LICENSES

 Additional Licenses  
**None**

# SEAN SULLIVAN (15-588-23)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Nevada System of Higher Education  
Nevada (United States)  
Undergraduate Researcher  
August 2014—September 2015

Verified by  
**Dr. Charles Coronella**  
coronella@unr.edu

Experience Summary  
**Part-Time**  
**Other: 7 months (50%)**  
Experience under licensed surveyor:  
**None**



### TASKS

Designed, built, and troubleshooted a high pressure, high temperature, continuous flow HTC reactor. Optimized and fabricated a custom heat exchanger.



### REPRESENTATIVE PROJECTS

I was brought on at the early stages of design. Previous research had produced kinetics data so Dr. Coronella had already selected pressure, temperature, and flow rate. I was tasked with selecting a pump, piping, valves, and instruments to meet these requirements. I also modeled and designed a counter-flow concentric-tube heat exchanger to meet cooling requirements. I led construction and commissioning, another engineer handled programming.

We had several challenges/failures with instrumentation, valves, and leaks which I was responsible for handling. I was able to achieve steady-state operation several times before graduating and leaving the project to other undergraduates.

# SEAN SULLIVAN (15-588-23)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Ormat Technologies  
Nevada (United States)  
Process Engineer  
September 2015—July 2021

Verified by  
Mark William Zusy  
mzusy@ormat.com

Experience Summary  
**Full-Time  
Engineering: 4 years, 5 months  
(75%)**  
**Post EAC degree: 4 years, 5 months  
(75%)**  
**Experience under licensed engineer:  
4 years, 5 months**

## TASKS

At the time I first applied, Mar 2019, my work as Chemical Application Engineer at Ormat was approximately 60% engineering (which was rounded to 50%). Since then, I have shed old responsibilities, and my work has been 100% engineering. Recently, my title was changed to Process Engineer to reflect the type of work I have been doing: process safety management and project engineering.

I began to take on projects in my second year with Ormat. These projects require that I understand design conditions and safety concerns, conduct redlines, specify equipment, and provide a document package. I create drawings, operating procedures, control philosophy redlines, and piping specifications. I write Scope of Work documents and work closely with Operations and professional engineers / contractors to ensure projects are completed safely and correctly. Along the way, I have explored several codes and standards: I perform internal pressure calculations and piping installations according to B31, designed tank containments which satisfy 40 CFR, and have completed a HAZWOPR 40. I know I am still not an expert in these codes but have learned a lot.

Also early in the second year, I became involved in process hazard analyses and incident investigations. We use the hazop methodology for PHAs and I have facilitated several. I was trained in cause mapping and have facilitated around ten of them. The cause maps supplement plant incident investigations, going into much greater detail and generating more action items. This year, 2021, I have been assigned to a complete permit package for a new construction, which will include the PHA in addition to the rest of the document package.

I have been continuing to work on PSM and engineering projects consistently for the last four years at Ormat.

## REPRESENTATIVE PROJECTS

Through 2018, in my role as Chemical Application Engineer, I was to ensure chemical treatment was optimized and dosing continuously. I worked in-field with Operations at each site to ensure treatment programs were followed, and made changes to those programs when warranted. Multiple problems were tackled during this time, optimizing strainer basket holes and configuration, for example. Many issues that came up during this time had me working with multiple engineering and operational groups, as well as maintaining a partnership with the University of Nevada to work on brine chemistry-specific issues. This work also included rollout of our own scale inhibitors to several new applications.

During this time, I had my first project at Ormat. I led the refurbishment of a system which removes non-condensable gases (NCG) from the butane motive fluid. This involved specifying replacement valves, tower fill, and safely performing hot work on old piping which is coated in butane-saturated, cooked oil. Documentation was compiled, updated, and reviewed in an MOC. I also assisted maintenance in tuning a pneumatic level controller which was assumed to be faulty. The NCG removal system has been functional since.

I have designed and built several dosing systems, both temporary and permanent. These projects included P&IDs, containment / concrete designs, electrical and control diagrams, and MOC packages. I coordinated multiple installations of permanent and temporary applications.

I designed and built a system to test new scale inhibitors at UNR. I previously built a static reactor to allow us to test above boiling with dissolved gases, but it was inadequate. The new system is a flow-through design. I created PFD and P&IDs, developed piping specifications, and performed internal pressure calculations according to B31.1. I performed thermodynamic and heat

transfer calculations which included laminar internal convection, conduction, and free external convection. Finally, I sized and specified the equipment. This system was engineered, procured, and commissioned by me.

# SEAN SULLIVAN (15-588-23)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

Yes, My experience was counted for less time than expected.

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Chemical, Mechanical, Control Systems

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

No

Civil




# SAMUEL ATTAL (16-266-58)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL


 Applying To **Nevada**

Application Type **Initial - PE**

Application Date **08/05/2021**

Citizenship **United States**



## SUMMARY



 Engineering Experience after EAC degree **5 years, 2 months**

Total Engineering Experience **5 years, 2 months**


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

Disciplinary Action **None reported**


 

## EDUCATION

 Bachelors in Civil Engineering (EAC)  
**University of the Pacific**  
August 2011–December 2015

## EXAMS

 Fundamentals of Engineering (FE)  
**California**  
May 2016

Principles and Practice of Engineering (PE)  
**Civil Nevada**  
April 2021



## LICENSES

 Additional Licenses **None**

# SAMUEL ATTAL (16-266-58)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Schwager Davis Inc.  
California (United States)  
Project Engineer  
March 2016—March 2017

Verified by  
**Michael Schwager**  
Mike@schwagerdavis.com

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

### TASKS

Role: Project Engineer

Tasks, Duties & Responsibilities:

Schwager Davis Inc. (SDI) is a subcontractor which specializes in post tensioning of concrete bridges for both new construction and bridge retrofitting projects. My duties included reviewing construction site plans, analyzing of site parameters, performing calculations which satisfied requirements outlined by the structural engineer, and drafting the proposed SDI post tensioning and anchorage system into AutoCAD. The shop drawings I furnished were then submitted to the Department of Transportation for approval as approved drawings were required prior to crew mobilization and installation. While designing shop drawings I also provided consultation both internally to field crew and externally to general contractors contractors.

### REPRESENTATIVE PROJECTS

#### 1.) Ho'opili Bridge - Honolulu, HI

The Ho'opili Bridge was a station along a developing rapid transit system in south central Honolulu. I performed and provided the support calculations required to meet the positive and negative moments at critical points within the subject bridge as outlined by the structural engineer. The shop drawings I drafted also included scaled profile views of the tube heights of which the stressed tendons would be fed through once the bridge was poured, as well as plan views of the bearing plate and tendon anchorages to ensure sufficient concrete cover. I also created a bill of materials required for this project.

#### 2.) Clifton Water Gates - Tracy, CA

The Clifton water gates regulated water levels within the Clifton Court Forebay which serviced San Juaquin County. I was performed and provided the support calculations required for repairing and replacing the tensioned members within each rotating gate arm. This specific project also required me to draft a grout plan to ensure the load of every tensioned member within each gate arm was properly transferred to the structure. Moreover, I researched, and preparing a storm water pollution prevention plan (SWPPP), to minimize the potential pollution runoff that could enter the adjacent body of water during the de-tensioning process.

#### 3.) Hillcrest Water Tanks - Denver, CO

The Hillcrest Water Tanks were three (3) cylindrical storage tanks which served as a reserve for the South-East portion of Denver. The Tank walls were tensioned with steel cables oriented in an oscillating fashion along the circumference of the tank walls, as well as in a linear fashion within the tank base. During my involvement in this project I reviewed and analyzed construction drawings, performed calculations for the tensioned tank base slabs, and provided on-site consultation which included quality control of tensioned strand tube elevations, leading safety meetings for SDI crew and serving as the only company representative field status meetings (which included owners, the general contractor, and other subcontractors), and development of daily field reports.

#### 4.) Route 5 Avenida Pico Stage 2 - San Clemente, CA

This bridge spans across the Interstate 5 freeway. As the project engineer on this project I analyzed the construction site drawings, performed the necessary post tensioning support calculations, determined the critical tendon tube height elevations for our field crew to reference during installation, drafted scaled construction details in AutoCAD, and transmitted my final shop drawing product to the State of California for approval. In addition I prepared a bill of materials and provided the owners with As-

built drawings of the previously constructed bridge sections.

# SAMUEL ATTAL (16-266-58)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

*Insight Global (Contracted with Pacific Gas & Electric California (United States) Validation Engineer*  
**April 2017—May 2018**

Verified by  
**Derry Alexander Moten**  
dmoten@bart.gov

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



### TASKS

Role: Validation Engineer

Tasks and Duties:

As a validation engineer for Pacific Gas and Electric (PG&E), I was responsible for: Ensuring validation approaches are current to regulatory expectations and standards within the industry; Reviewing Risk Analysis documents, Analyzing validation data to ensure acceptance criteria are met, Evaluating and auditing the adequacy of corrective actions performed by PG&E, and Ensuring milestones and timelines are met on assigned projects.



### REPRESENTATIVE PROJECTS

Gas Pipeline Operations and Maintenance

PG&E Locations: San Ramon, San Jose, Yuba City, Merced, Oakland and Richmond.

April 2017 - May 2018

At each of the listed PG&E locations, my team and I were responsible for auditing records which reflected the maintenance performed to each of assets and field equipment for the respective location. As a validation engineer assigned to the listed locations, I reviewed maintenance documents furnished by company field crew, reviewed and updated digital maintenance records utilizing SAP, entered updated maintenance information into SAP and utilized Microsoft Excel to develop asset registry and asset health reports as a final deliverable to each PG&E location.

# SAMUEL ATTAL (16-266-58)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

WEXCO International  
California (United States)  
Forensic Engineer  
June 2018—July 2021

Verified by  
**Bradley Peter Avrit**  
Avrit@wexco.net

Experience Summary  
**Full-Time**  
**Engineering: 3 years, 1 month**  
**Post EAC degree: 3 years, 1 month**  
**Experience under licensed engineer:**  
**3 years, 1 month**

### TASKS

Role: Forensic Engineer

Tasks, Duties, and Responsibilities:

My primary duties as a Forensic Engineer are to work alongside Civil Engineers, Mechanical Engineers, General Contractors, Architects, and other industry professionals to investigate accidents sites which involved either construction, structural and architectural failures; Performing retroactive analysis of construction designs; as it pertains to compliance with construction drawings, City issued permits, and Building Codes; Development of engineering reports; and Providing technical expertise for matters involving some degree of failure within the Construction, Engineering, and Property Maintenance process.

### REPRESENTATIVE PROJECTS

1.) 3251 Leonis Blvd. - Vernon, Ca - ( 06/2018 - 07/2018 )

The above property is a factory that services a major garment retailer which experienced a partial roof collapse. As the assigned engineer on this matter I reviewed the construction drawings for the property, performed an internal and external inspection of the subject roof to distinguish any discrepancies with the design plans, and performed structural calculations (shear and bending) of the compromised ceiling joists. I also prepared an estimation of the cost of to remove and replace the compromised ceiling joists which accounted for both materials and labor.

2.) 1601 Potrero Road - Westlake Village, CA - (02/2019 - 05/2019)

The above property was adjacent to a construction site where various construction vehicles and equipment were parked in a manner which encroached upon the shoulder of the adjacent roadway during non-working hours. The positioning of this construction equipment was a substantial factor in a vehicular accident. As the assigned engineer for this matter I analyzed the characteristics of the roadway (lane and shoulder dimensions, speed limit, stopping sight distance, etc.), reviewed documents relative to the construction project (Project specifications, encroachment permits, safety procedures, temporary traffic control plans, etc.), and compared the existing conditions with the roadway and site layout at the time of the vehicle collision with the governing literature (Standard Specifications for Public Works Construction "The Greenbook", The Manual on Traffic Control Devices for Streets and Highways, and the Highway Design Manual). In addition, I created an alternative temporary traffic control plan which satisfied the governing literature as it pertains to warning sign and traffic cone configurations, as well as traffic diversion.

3.) 805 2nd Street - Imperial Beach, CA - (02/2019 - 03/2019)

The above property is a multi-unit dwelling with a concrete open riser staircase that failed during normal use. As the assigned engineer in this matter I reviewed the building permits and plot plans for the property at issue, analyzed the dimensions of the stairway including concrete open riser treads and handrails, and performed calculations estimating the design strength of an exemplar concrete step without deficiencies. In addition, I prepared an engineering report containing engineering calculations, the applicable building code violations based on the year of the stairways original construction, and opinions outlining potential causes of failure.

4.) 1579 Los Angeles Ave - Ventura, CA - (05/2020 - 02/2021)

The above property is a commercial building which featured a motor controlled gate which became dislodged from the track, and ultimately fell on a pedestrian. As the engineer assigned to this matter I inspected the subject gate, estimated the gate's weight

based on my recorded dimensions, and prepared support calculations relative to the impact imposed by the gate immediately after striking the ground. In addition I retrieved, reviewed and analyzed applicable building codes as well as sections of the manufacturer's that were non-compliant.

ADDITIONAL INFORMATION



QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil, Architectural, Environmental, Fire Protection, Structural

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

No

# KALLYSE CRAWFORD (18-264-36)

All work experience reviewed by two licensed professionals

131 Pickford Pl SW  
Port Orchard, WA 98367

DISCIPLINE: CIVIL

## GENERAL



Applying To  
**Nevada**

Application Type  
**Initial - PE**

Application Date  
**08/24/2021**

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, 10 months**

Disciplinary Action  
**None reported**



## EDUCATION



Bachelors in Civil Engineering (EAC)  
**Lehigh University**  
**August 2013–May 2017**

Bachelors in Integrated Business and Engineering  
**Lehigh University**  
**August 2013–May 2017**

Masters in Civil Engineering  
**Texas A and M University, College Station**  
**August 2017–August 2018**



## EXAMS



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

Principles and Practice of Engineering (PE)  
**Civil**  
**South Carolina**  
**October 2019**

## LICENSES



Additional Licenses  
**None**



# KALLYSE CRAWFORD (18-264-36)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Ramey Kemp & Associates  
South Carolina (United States)  
Associate Engineer  
September 2018—January 2020

Verified by  
**Richard Morris Reiff**  
Rick.Reiff@kimley-horn.com

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

## TASKS

As an associate engineer for Ramey Kemp, I was responsible for traffic analysis and design work under a professional engineer supervisor. As such, I conducted many traffic impact analyses with the use of Synchro, SimTraffic, and Sidra softwares. Using these programs, I would analyze traffic flow to determine level of service, queue length, and other factors affecting the overall capacity and flow of vehicles at an intersection or road network. Part of this effort included understanding how parameters, such as lane utilization, peak hour factor, % heavy vehicles, etc., affect traffic and delay. For future developments, this process also included forecasting and predicting traffic by using the ITE Trip Generation Manual and different land use codes to determine the correct prediction formula. These predicted trips and pass-by trips were then distributed through the network. In order to determine where to assign these trips, I would analyze existing counts or annual daily traffic volumes in the area to gain an understanding of where traffic is going during the peak hours. If a signal was analyzed or suggested according to my findings, I would also work with the signal timing and signal coordination, if applicable. Once the analysis was complete, I created a traffic impact analysis report that would be reviewed by my supervisor. In addition to traffic impact reports, I also assisted with some basic signal design as well as road segment level of service analysis. As part of my experience, I worked with conceptual design in both Microstation and AutoCAD.

## REPRESENTATIVE PROJECTS

One project I worked on at Ramey Kemp included approximately 2 miles of safety and channelization modifications on Red Bank Road in Goose Creek, South Carolina. As part of this project, I laid out a conceptual design of our proposed changes in AutoCAD, which included left turn restrictions, medians, restriping, and signal upgrades. After determining our proposed design, I conducted a volume balancing exercise which accounted for the left turn restrictions, and assigning vehicles to a new path in order to determine what the vehicle volumes would be at each driveway and intersection with the proposed restrictions. After determining these volumes, I conducted a level of service analysis in Synchro at each driveway and intersection. Based on these findings, certain lane changes were proposed at intersections, such as an additional turn lane, in order to alleviate delay at the intersections and new signal timing or cycle length proposed. Once the analysis was complete, I included all this information in a traffic impact analysis report which was then reviewed by a supervisor. Part of this project also included a public meeting, where I interacted with residents or concerned citizens to explain the proposed changes and encourage them to make comments.

# KALLYSE CRAWFORD (18-264-36)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Parametrix, Inc.  
Washington (United States)  
Transportation Engineer II  
February 2020—August 2021

Verified by  
**Mallory Kristine Wilde**  
MWilde@parametrix.com

Experience Summary  
**Full-Time**  
**Engineering: 1 year, 6 months**  
**Post EAC degree: 1 year, 6 months**  
**Experience under licensed engineer:**  
**1 year, 6 months**

## TASKS

At Parametrix, I am responsible for assisting with transportation related projects. In these projects, I typically use softwares such as AutoCAD Civil 3D, Microstation, InRoads, Synchro, and Sidra. As a transportation engineer, I have worked on channelization design, curb ramp design, traffic analysis, and general roadway design work. As part of my design experience, I have created, worked with, and maintained plan sheets and plan sets, including but not limited to, demolition, roadway, channelization, curb ramps, typical sections, plans and profiles, etc. I have also assisted in engineering estimates as part of these projects. Additionally, I have worked in signal design and illumination design. In signal design, I have created design and plan sheets showing the layout of signal equipment, signal heads, wiring, and associated details. I have calculated voltage drops to determine the size of wire needed for parts of the design, and determined the size of junction box necessary. In my illumination design, I have laid out where luminaires, junction boxes, and conduit should be installed in order to satisfy lighting requirements by using the software AGi32 to measure light intensity. I frequently conduct Plans for Approval (PFA) (Washington state required preliminary channelization plans) with geometric exhibits showing auto turns, sight distance, and geometry information. I also frequently write Intersection Control Evaluations (ICE) (a Washington state required report for any intersection where the level or type of control is being modified or upgraded). As part of the ICE reports, I conduct traffic analysis in order to compare different proposed intersections, such as no improvements vs. a roundabout vs. a multi-lane roundabout. Using the intersection or segment crash history, I also conduct safety analyses in these reports to identify how an intersection would be impacted with the proposed changes.

## REPRESENTATIVE PROJECTS

As part of a safety project located in Port Angeles, WA, I wrote an Intersection Control Evaluation (ICE) report to determine what upgrades to implement along the Lincoln Street corridor. Using the proposed upgrades from this report, I assisted in laying out and designing channelization that would increase safety, such as medians, a signalized intersection, upgraded sidewalks, and curb ramps. As part of this design, I ran auto turn simulations to determine how freight would be able to navigate the improvements, as this segment of road was part of a freight corridor. Based on these auto turn simulations, I designed curb bulbs with curb ramp retrofits that increased safety for pedestrians while still allowing large vehicles to navigate the roadway. I also designed a crossing with an RRFB and signalized intersection, where I included and calculated the necessary wiring, junction boxes, and signal control elements. The intersection being signalized in this project had a difficulty in that one leg was two merged driveways, which was not intended to be signalized. I designed and proposed a median that would convert the driveways into a right-in-right-out configuration with a median that would separate the outer lane so that the driveway could operate independently of the signal. Along with the design work, I also created plan sheets and assisted with an engineering estimate for this project. Plan sheets I worked on included demolition, signal/electrical, channelization, roadway, curb ramp, signing, and detail sheets.

# KALLYSE CRAWFORD (18-264-36)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

No

# SEBASTIAN DE LA TORRE (17-241-93)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL



Applying To  
**Nevada**

Application Type  
**Initial - PE**

Application Date  
**08/21/2021**

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



Associates in Science  
**Western Nevada College**  
**June 2011–May 2017**

Bachelors in Civil Engineering (EAC)  
**University of Nevada, Reno**  
**August 2014–May 2017**



## EXAMS



Fundamentals of Engineering (FE)  
**Nevada**  
**March 2017**

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

## LICENSES



Additional Licenses  
**None**

# SEBASTIAN DE LA TORRE (17-241-93)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Summit Engineering Corporation  
Nevada (United States)  
Staff Designer  
July 2017—August 2021

Verified by  
**Robert Gelu**  
robert@summitnv.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

As a designer at Summit Engineering, I have been responsible for various tasks and duties with all of the projects I have been a part of. I initially started by analyzing, designing, and writing reports for sanitary sewer and storm drain systems. I also designed plot plans, and performed final grade inspection for lots using survey equipment to ensure that the lot is built per plan. During the design process I am responsible for grading the roads, lots, drainageways, and off-site tie ins to existing ground. This includes designing to match existing terrain to avoid scarring the land, as well as, avoiding large cut and fills so that the site balances. In addition, I design the sanitary sewer and storm drain as well as lay out the water. In designing storm drain systems, I perform a hydrologic analysis and design the storm drain mains, catch basins, and other drainage features based on the hydrology analysis. During the permit process I help with permit issuance by coordinating with local agencies and other disciplines, addressing redlines, and helping the owner submit all support documents needed. Once the design process has been completed and permitted, I assist with construction support by addressing any questions from the contractors or field supervisors. At the end of the project, after construction, I put together as-built plans based on field changes, and submit the plans to the governing agencies that require them.

## REPRESENTATIVE PROJECTS

Autumn Wood Phase 1, 46 Lot Attached Single Family Subdivision, Washoe County, Nevada  
July 2017 to June 2021

I designed the final grading in between the homes using Civil3D software. I performed the on-site hydrological analysis, wrote the technical report, and sized all storm drain pipes. In addition, I graded the detention ponds for the site in order to get the required detention area. I also did the sanitary sewer analysis, wrote the technical report, and designed the layout for all sewer mains. After design, I aided in the permitting process by addressing redlines, coordinating with local agencies, completed an engineer's cost estimate, and submitting necessary permits and supplemental documents. During construction, I aided the contractor and developer with issues during construction, and supplied corrections when required. I also designed the individual plot plans for each home, and performed final grade inspections. At the end of construction, I put together as-built drawings based on contractor redlines, and submitted them to the local agency.

Autumn Wood Phase 2, 16 Lot Attached Single Family Subdivision, Washoe County, NV  
March 2018-June 2021

I completed the initial site layout, preliminary grading, hydrological and sewer analysis and technical reports for the tentative map. At final plans, I designed all final grading for lots and the street. I also completed the final hydrological and sanitary sewer analysis along with the technical reports. After design, I completed the redlines from local agencies, an engineer's cost estimate, and all supplemental documents and necessary permits for approval.

Estancia (Wild Stallion Estates Unit 4B), 93 Lot Single Family Subdivision, Reno, NV  
June 2018-Current

I did final grading for all streets lots, and common areas within the subdivision. I completed the hydrological and sanitary sewer analysis and wrote the technical reports. In addition I designed the layout for storm drain, sewer, and water, along with sizing the storm drain pipes to carry the required flows. I aided in the permitting process by addressing redlines, completed a engineer's cost estimate, submitting required permits, and supplemental documents. I also aided in the construction process by answering questions the contractor or developed had, and provided revisions when needed. In addition, I have designed individual plot plans for lots, and performed final grade inspections.

Woodland Village Phase 23, 104 Single Family Subdivision, Reno, NV  
October 2019-Current

For this project I did all final grading for streets, lots, common areas, and drainage ditches and ponds. I also completed the on-site

hydrological analysis, and sized all storm drain pipes per the hydrological analysis. I designed the layout for all storm drain, sanitary sewer, and water mains as well. In addition I addressed all redlines from the local agencies, submitted supplemental documents, and completed an engineer's cost estimate.

600 N Center, 4 Story Mixed Use Building, Reno, NV  
February 2020-Current

I did all grading for public improvements, utility design for sewer and storm drain, and on site grading for the building courtyard. I also completed the on-site hydrological analysis and designed the storm drain to into the existing system. I have continued to coordinate with multiple consultants working on the project and local agencies for permit approvals.

# SEBASTIAN DE LA TORRE (17-241-93)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

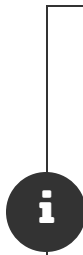
No

# FYODOR DELYAEI (12-581-81)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL



Applying To  
**Nevada**

Application Type  
**Initial - PE**

Application Date  
**08/03/2021**

Citizenship  
**Iran**

## SUMMARY



Engineering Experience  
after EAC degree

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

Experience under licensed  
engineer  
**6 years, 10 months**

Disciplinary Action  
**None reported**



## EDUCATION



Non-degree  
**West Valley-Mission College**  
August 2000–May 2005

Masters in Civil Engineering  
**San Jose State University**  
August 2006–December 2008



## EXAMS



Fundamentals of Engineering (FE)  
**California**  
October 2011

Principles and Practice of Engineering (PE)  
**Civil**  
**California**  
April 2021

## LICENSES



Additional Licenses  
**None**



# FYODOR DELYAEI (12-581-81)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

United Soil Engineering  
California (United States)  
Field Engineer  
October 1999—January 2001

Verified by  
**Mahshad Noori Shafae**  
mshafae@siliconvalleysoil.com

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



### TASKS

I conducted field data acquisition and investigations.  
I performed boring layout, soils classifications and evaluation of subsurface data.  
I assisted with the preparation of technical reports and engineering proposals.  
I performed construction observations and compactions tests.



### REPRESENTATIVE PROJECTS

As a field engineer, I was involved in the commercial projects such as Osgood-Lusardi and Ardenwood in Fremont California. I was involved in these commercial projects from 10-04-1999 to 01-8-2001. These projects consisted of warehouses and office buildings.  
I was responsible for exploration logs, field, and laboratory testing results. I prepared modified proctor tests on the native and import soils to determine the maximum laboratory density curves. I conducted compaction tests during the backfilling and the placement of soil fills on the building pad. I provided the superintendents with daily reports and compaction test results. I was responsible for checking the grading contractor's work to ensure his work was in compliance with the project geotechnical recommendations. I made decisions over the materials' suitability to be used as fills.

# FYODOR DELYAEI (12-581-81)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Unted Soil Engineering  
California (United States)  
Project Engineer  
January 2001—July 2005

Verified by  
**Vien Minh Vo**  
vienvo@siliconvalleysoil.com

Experience Summary  
**Full-Time**  
**Engineering: 4 years, 6 months**  
**Experience under licensed engineer:**  
**4 years, 6 months**



### TASKS

- I performed geotechnical investigations and drilling operations.
- I supervised contractor's grading, backfilling, and earthwork operations.
- I performed foundation design and calculations for settlement and bearing capacity.
- I prepared proposals, daily on-site progress, and final construction reports.
- I performed geotechnical analyses and engineering calculations.
- I performed field tests such as compaction tests (with nuclear gages) on soils and asphalt concrete pavements.
- I performed lab tests such as proctor compaction & density, consolidation, direct shear and Atterberg limits.



### REPRESENTATIVE PROJECTS

As a project engineer, I was involved in the Evergreen Highschool in San Jose, Stanford Cancer treatment Center in Palo Alto, San Jose City College and many other commercial and residential projects. I was involved in the above -mentioned projects from January 2001 to July 2005. Evergreen Highschool had over 10 building pads with tennis courts and a football field, I was responsible for conducting a site investigation and collection of subsurface data for the geotechnical investigation report. I performed soil characterization to evaluate the baseline condition of soils, site condition and the key soil parameters. I observed the grading operation and contractor's work. I ensured that the contractor's work was in accordance with the project specifications and geotechnical recommendations. I took compaction tests during the grading operation of the building pads and backfilling of the utility trenches. I was responsible for checking the relative compaction and report the test results to the superintendents. I made decisions over the construction methods, suitability of import soil as fill or backfill materials on the bldg. pads or utility trenches and the type of equipment that contractor needed to use for compaction. I observed the excavated foundation footings to ensure there was no loose soils prior to receiving further improvements.

# FYODOR DELYAEI (12-581-81)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

*Kleinfelder*  
*California (United States)*  
*Geotechnical Professional*  
**May 2009—August 2009**

*Verified by*  
**Fyodor Delyaei (Self)**

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



### TASKS

- I observed drilling operation activities.
- I performed site inspection and observed the bottom/dimension of the drilled shaft
- I assessed the stability of drilled shafts based on type and quality of rocks/soils encountered
- I documented the contractor's installation of the drilled shafts and reported to the PM.



### REPRESENTATIVE PROJECTS

As a geotechnical Professional, I was involved in Trans-Allegheny Interstate Transmission Line project from 05/18/2009 - 08/28/2009 This project runs approximately a couple hundred miles from Southwestern Pennsylvania to West Virginia to Northern Virginia, USA, Commercial. I was responsible for acquiring and interpreting soil, and rock encountered during the construction of drilled shafts. I made decisions as to the suitability of the rocks encountered in the bottom of the drilled shaft to support the design load. I ensured the engineering work was in accordance to the project specifications. I made engineering judgments about the stability of each drilled shaft based on the drilled materials and the depth of the groundwater.

# FYODOR DELYAEI (12-581-81)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

*Kleinfelder*  
*California (United States)*  
*Geotechnical Professional*  
**September 2009—July 2010**

Verified by  
**Parham Khoshkbari**  
parham11k@gmail.com

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



### TASKS

- I supervised the grading and pile driving operation activities.
- I performed foundation design and calculations for settlement and bearing capacity.
- I prepared on-site daily progress and final construction reports.
- I reviewed geotechnical and final construction reports.
- I performed field compaction tests and site inspection.



### REPRESENTATIVE PROJECTS

As a geotechnical staff professional, I was involved in a couple of great projects in the bay area California. San Jose International Airport project and Hotel Sierra were the projects that I was involved from 09/05/2009 to 07/14/2010. The airport project consisted of building a parking structure for Terminal C and extension of Terminal B are the ones, and Hotel Sierra in San Jose consisted of a deep foundation. I assisted the project manager in preliminary design of deep foundations for both projects. I analyzed field and laboratory test results to determine some of the soil parameters. I calculated soil bearing capacity and ultimate unit pile resistance. I was responsible to observe and log pile driving designing activities. I ensured the piles were driven to the design embedment depth without being overstressed due to high blow counts and pile condition which may lead to the pile damage. I made decisions on assessing the capacity and quality of the pile foundation based on each pile driving in the field.

# FYODOR DELYAEI (12-581-81)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

*Advanced Soil Technology  
California (United States)  
Project Engineer  
February 2014—May 2014*

Verified by  
**Alex Kassai**  
alexkassai@advancesoil.com

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



### TASKS

- I conducted field data acquisition and investigations.
- I performed soils classifications and evaluation of subsurface data.
- I supervised contractor's grading, backfilling, and earthwork operations.
- I reviewed the project plans and specifications.
- I performed construction observations and compactions tests.



### REPRESENTATIVE PROJECTS

As a project engineer, I was involved in the Safeway project at the Cottle road in San Jose. The Safeway project was a huge project of developing an area lot about 75000 square feet consisted of several building pads and parking lot. I was involved in this project from 2/17/2014 to 5/25/2014. I was responsible for conducting a site investigation, observing the grading operation and contractor's work. I ensured that the contractor's work was in accordance with the project specifications and geotechnical recommendations. I took compaction tests during the grading operation of the building pads and backfilling of the utility trenches. I was responsible for checking the relative compaction and report the test results to the superintendents. I made decisions over the construction methods, suitability of import soil as fill or backfill materials on the bldg. pads or utility trenches and the type of equipment that contractor needed to use for compaction.

# FYODOR DELYAEI (12-581-81)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Army Corps of Engineers  
California (United States)  
Civil Engineer  
March 2020—June 2021

Verified by  
**Bernard Rodney Wair**  
Bernard.R.Wair@usace.army.mil

Experience Summary  
**Full-Time**  
**Engineering: 1 year, 3 months**  
**Experience under licensed engineer:**  
**1 year, 3 months**



### TASKS

- I perform geotechnical analyses including slope stability, seepage, erosion consolidation, bearing capacity, seismic loading, and earthwork quantity takeoffs.
- I perform foundation and conceptual designs for various flood protection structures such as levees, retaining walls, I-walls, etc.
- I analyze geotechnical findings and prepare technical write-ups for the engineering team.
- I write draft construction letters and geotechnical feasibility reports for my projects.
- I develop scopes of work and budget estimates.



### REPRESENTATIVE PROJECTS

As a civil engineer (geotechnical), I have been involved in the complex projects such as: South San Francisco Shoreline II (Involved from April 6 to present). The project site is in the city of Palo Alto California. This project includes some of the critical infrastructures such as PA Water Quality Control Treatment Plant and the Airport. The project starts from the east side of the PA flood basin to the west side of the landfill and the PA Airport.

I reviewed all the existing geotechnical reports prepared by the project consultants and performed soil characterization to evaluate the baseline condition of Soils, site condition and the key soil parameters. I developed levee performance functions (fragility curves) for the existing outboard levees. I made conceptual designs for the coastal storm risk management (CSRМ) structures such as new levees, I-walls, etc. I developed a contour map to estimate the thickness of the bay mud that is a key factor in determining the amount of the settlement for designing CSRМ structures. I calculated the amount of settlement and the bearing capacity for the new levees and I-walls that are to be constructed on the proposed locations within the project. I am responsible to give geotechnical input to the project delivery team for instance I determined the breach time and the length of potential breach and provided the results to the Hydraulic engineer team. I have been responsible for preparation of the draft geotechnical feasibility report. I have been responsible for the scope and project cost estimate to ensure the estimated cost meets the budget requirements and achieve the project objectives within the approved timeline.

I have been also involved in the project Lower Colma (12-14-20 to Present). The project is located adjacent to San Francisco Bay on Colma Creek, in the City of South San Francisco, CA (SSF), it is a Water Quality Control Treatment Plant (WQCTP) for the city of South San Francisco California.

I reviewed all the existing geotechnical reports and information pertinent to the project, including geologic maps and reports, boring logs, and laboratory test data.

I performed soil characterization based on the existing soil subsurface data and available lab reports. I selected the appropriate geotechnical parameters for the geotechnical analyses and design of the proposed flood control structures. I wrote the geotechnical feasibility report for the future without project (FWOP).

# FYODOR DELYAEI (12-581-81)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

No

# FYODOR DELYAEI (12-581-81)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### TIME GAPS

Start Date	End Date	Reason	Explanation
10/1993	09/1999	Unemployed	Not in the United States
08/2005	07/2006	Unemployed	Studying
08/2010	01/2014	Unemployed	Unemployed in engineering
06/2014	02/2020	Unemployed	Unemployed in engineering



# JANAE JOHNSTON-BUCKER (17-442-37)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL



Applying To  
**Nevada**

Application Type  
**Initial - PE**

Application Date  
**08/30/2021**

Citizenship  
**United States**

## SUMMARY



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

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

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

Disciplinary Action  
**None reported**



## EDUCATION



Bachelors in Civil Engineering (EAC)  
**University of Nevada, Reno**  
**August 2013–December 2017**

Masters in Civil Engineering  
**University of Nevada, Reno**  
**January 2017–May 2019**



## EXAMS



Fundamentals of Engineering (FE)  
**Nevada**  
**September 2017**

Principles and Practice of Engineering (PE)  
**Civil**  
**Nevada**  
**October 2020**

## LICENSES



Additional Licenses  
**None**

# JANAE JOHNSTON-BUCKER (17-442-37)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Walt Disney Company  
Florida (United States)  
Structural Engineering Intern  
June 2019—December 2019

Verified by  
**Aaron C Fisher**  
afisher7000@yahoo.com

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



### TASKS

Analyzed existing infrastructure based on as-built drawings and proposed design alterations that would bring structures up to current design standards. In cases where existing infrastructure was going to be altered and/or added to, proposed design and construction options based on existing conditions and presented observed conflicts within site geometry that would otherwise limit design and construction. Coordinated structural with other engineering and design disciplines such as architecture, landscaping, mechanical, electrical, and civil. Assembled construction drawings and supplemental calculations for design/management review and permitting.



### REPRESENTATIVE PROJECTS

Each year, both Walt Disney World water parks (Blizzard Beach and Typhoon Lagoon) are closed for maintenance operations. During my internship I assisted in and performed structural observations around both parks and documented and presented my findings through technical reports. Using photos, technical writing, and my own engineering judgment I highlighted key structural components (such as steel supports for water slides, concrete and wood framed retaining walls, anchorage, and wood decking and supports) that were moderately to highly deteriorated enough to warrant strengthening or replacement. Utilizing the adapted code requirements of the ASCE7, IBC and AISC, I analyzed the existing capacity for such components based on the deteriorated sections in order to support my claims of either structural strengthening or complete component replacement. In the case only strengthening was required, I designed structural elements (such as flitch plates or additional struts or ties) and their connections in order to develop acceptable strength with high factor of safety.

In the remaining two months of my internship, I also designed an ADA accessible wooden deck. The deck was approximately 300 square-feet and to be construction around an existing food and beverage kiosk. I coordinated with other design disciplines in order to optimized the deck layout in order to optimize guest satisfaction while also avoiding complications with grading, existing utilities, construction and the existing structure. Using the design requirements of the NDS and hurricane-like wind loading per ASCE and local code authorities, I designed the supporting structural components for the deck (beams, posts, foundations, railing) and their connections. After the design was complete, I compiled a drawing and calculations package for permitting and construction. I then attended a pre-bid meeting, responding to RFIs from contractors about the design and gave a presentation to a diversified board of professionals invested in the project.

# JANAE JOHNSTON-BUCKER (17-442-37)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Linchpin Structural Engineering  
Nevada (United States)  
Project Engineer  
January 2020—August 2021

Verified by  
**Michael Michael Nicklin**  
mick@linchpinse.com

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

### TASKS

Calculating design loads within special wind, high seismic, high snow regions in accordance with ASCE7-16 and IBC 2018/CBC 2019. Utilizing code requirements of the AISC, ACI, NDS, TMS, and AISI to design structural components (such as architectural and mechanical anchorage) and structural systems (such as decks, canopies, and full buildings). Coordinating with architects and other related disciplines to meet Building Codes and intention of design. Preparing 3D BIM models, from which construction drawings and calculations are prepared. Seeing a number of projects from preliminary planning through to permit and full construction, including responding to plan check comments and answering contractor RFIs.

### REPRESENTATIVE PROJECTS

I have assisted in the design of a number of projects, ranging in scale and use. Beginning in the summer of 2020, I designed a full custom residence, which was permitted at the beginning of this year and is currently being constructed in Carson City, Nevada. The two-story residence is approximately 3,200 square feet of livable space and includes a skewed garage, covered back patio, and large window openings. After obtaining a model from the architect, I first calculated the design criteria using national and local code requirements. I then designed all respective vertical framing such as rafters, joists and beam, posts, foundations and retaining walls. The majority of the framing was timber, but also included steel elements as required for strength. Steel elements were also chosen in cases where constructability was pertinent per recommendations from the general contractor while also using my own engineering judgment. The lateral system, which I also designed, was primarily wood shear walls with ordinary steel moment frames as required. Additionally, the lateral system included high strength diaphragms, discontinuous holdowns, as well as vertical, horizontal and torsional irregularities. I compiled a calculation package and drawing set, including plans and details, to be reviewed by the principal engineer on this project. After submitting for permit, I responded to plan check comments offered by a third-party designer, made corrections where necessary while also backing up my original design with further in-depth analysis and code references to demonstrate that no changes were required. Before the foundation was poured, I conducted a foundation structural observation to ensure concrete reinforcing and hardware (such as post bases and holdowns) were placed as noted on the structural plans. I intend to perform the lateral and framing structural observations as well, which are projected to take place near the end of this year.

I also assisted in the design of a concrete tilt-up warehouse, currently being constructed in eastern Reno, Nevada. As the building has a footprint of nearly one million square feet, the project was divided into segments and spearheaded by different engineers in the company to expedite the design timeline. My portion of the building was the roof framing as well as an interior mezzanine. After calculating the design loads, I designed the metal decking as well as the open web steel joist and girders. I also designed the diaphragm components, such as purlins and vertical wall anchorage due to seismic loading on the diaphragm. The interior mezzanine has a concrete over-metal deck diaphragm with composite wide flange joists and girders. Since the mezzanine is to be utilized for heavy storage, the design considered a moderate level of floor vibration in addition to the increased level of seismic loading per ASCE 7-16 Section 12.7.2. The lateral forces of the mezzanine were designed to be resisted via concentrically brace steel frames in either direction, which I designed using the three-dimensional structural analysis software, Risa 3D.

The projects described above were overseen by both the project's principal as well as a project manager, who were engineers more experienced than myself. As of February of this year I have begun managing my own projects, which include a masonry car wash as well as a wood and steel framed gas station with a steel framed gas pump covering. I am also managing the engineering of a garage and residential remodel, the design of which is being conducted by a junior engineer, whose drawings and calculations I will be reviewing upon their completion prior to their final review by the principal.

# JANAE JOHNSTON-BUCKER (17-442-37)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil, Structural

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

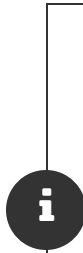
No

# IAN MAHAFFEY (17-432-37)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL



Applying To  
**Nevada**

Application Type  
**Initial - PE**

Application Date  
**08/10/2021**

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



Non-degree  
**University of Montana**  
**August 2013–May 2014**

Bachelors in Civil Engineering (EAC)  
**University of Nevada, Reno**  
**August 2014–May 2017**



## EXAMS



Fundamentals of Engineering (FE)  
**Nevada**  
**March 2017**

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

## LICENSES



Additional Licenses  
**None**

# IAN MAHAFFEY (17-432-37)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

TEC Engineering  
Nevada (United States)  
Design Engineer II  
August 2017—September 2019

Verified by  
**Jacob Russell Hildebrand**  
jhildebrand@tecreno.com

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

## TASKS

### Job Titles:

Engineering Technician (August 2017 - January 2018)

Design Engineer I (January 2018 - January 2019)

Design Engineer II (January 2019 - September 2019)

Focus: Land Development and Water Resources

As an Engineering Technician, I was responsible for the design and preparation of site improvement plans for residential and commercial projects. These site improvement design elements included site, grading, utility, and drainage design. I prepared technical specifications and engineer's cost estimates for these projects. I performed smaller tasks with direct supervision, initially, while slowly being handed larger and larger tasks. These tasks included, but are not limited to, grading small commercial lots, grading individual single-family home lots, Rational Method hydrology calculations, Storm Drain and Sanitary Sewer Design.

My work as a Design Engineer I entailed being in charge of the design of smaller projects. I laid out site, grading, and utility elements with direct coordination with the client and consultants. I became the go-to person for hydrology and hydraulics related projects and issues. I developed client relationships, became aware of the entitlement process, and had a major role in every part of the permitting process of a project.

My work as a Design Engineer II entailed being in charge of the design of larger projects. I had direct and constant contact with the client, contractor and all consultants involved. I performed all the calculations for the hydrology and sewer reports with only a review from my licensed superior prior to submittal. I am responsible for the preparation of several plan sets and reports for residential subdivisions and commercial developments. Examples of site design requirements that I have implemented into designs are: parking stall quantities and dimensions, horizontal curves, stopping sight distances, fire access, ADA specifications. During all stages of design, I was in charge of evaluating constructibility and feasibility.

## REPRESENTATIVE PROJECTS

Red Roof Storage Phase III, City of Reno, NV.

2017-2019

I designed and permitted a 10.22-acre storage unit facility. I worked with the client to develop the most financially optimal mixture of unit sizes while ensuring that the site, grading, and utility plans functioned properly. In addition to the storage units, I designed an access road and developable pad for a propane company that met their requirements. I performed earthwork analysis in order to optimize earth moving costs. I performed hydrologic and hydraulic calculations and implemented a proper design for a closed basin with existing flooding problems to ensure the site did not contribute to the ongoing flooding issues. I Attended several meetings with City staff in order to determine the appropriate flood mitigation measures. I also provided direct oversight during construction for issues that came up in the field.

Work products include: Special Use Permit Plans, Construction Plans, Hydrology Report, Storm Water Pollution Prevention Plan (SWPPP,) Value Engineering Report for client.

Mountain View Estates, City of Reno, NV.

2017-2019

I worked with a team to design a 75-unit residential subdivision. I designed the water, sewer, and storm drain infrastructure. I performed the necessary calculations for the sewer system to ensure proper capacity in the downstream system. I performed hydrologic and hydraulic calculations to ensure proper storm drain capacity, and proper detention pond volume and discharge structures to prevent an increase in peak flows downstream. I designed all the energy dissipation and Storm Water Pollution Prevention Plans to ensure minimal erosion and pollution.

Work products include: Tentative Map Plans, Construction Plans, Hydrology Report, Sewer Report, Operations and Maintenance Manual.

Donovan Ranch (Phase 5, 6, 7), Washoe County, NV.

2017-2019

I worked with a team to design a 100 plus acre residential subdivision. I designed the: finish lot grading, final utility design, local and major hydrologic and hydraulic calculations based on the Truckee Meadows Regional Drainage Manual.

Work products include: Construction Plans, Hydrology Report, Sewer Report.

Northtowne Self Storage, City of Reno, NV.

2018-2019

I designed the site, grading, and utility plans for a 4-acre design-build self-storage facility. I met weekly with a team of consultants, contractors, and the client to optimize the project's cost and overall design. I performed hydrology and hydraulics calculations for The City of Reno and Nevada Department of Transportation (NDOT) to properly size storm drain infrastructure and a detention pond. I consulted with the architect, structural engineer and contractor to run earthwork analysis to determine a detailed cut/fill report.

Work products include: Tentative Map Plans, Construction Plans, NDOT Plans, Hydrology Report, Operations and Maintenance Manual.

# IAN MAHAFFEY (17-432-37)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

House Moran Consulting, Inc  
Nevada (United States)  
Project Engineer  
September 2019—March 2020

Verified by  
**Stephen James Marks**  
smarks@withersravenel.com

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

### TASKS

Focus: Water Resources

My work as a Project Engineer for House Moran Consulting was more heavily focused on hydrology and hydraulics. I developed and designed hydrologic and hydraulic models, analyzed the data, developed recommendations based on the calculations performed, and summarized the information in reports. I worked under several professional engineers licensed in many states.

I built and ran HEC-HMS models to calculate approximate peak runoff rates and volumes. These calculations were used to recommend alternatives to the client and site design consultants. I built and ran HEC-RAS models to estimate water surface elevations for various storm events. These models were utilized to write CLOMR/LOMR reports for FEMA. I analyzed the site data and made decisions on soil conditions, times of concentrations, channel sections, basin delineations, etc.

### REPRESENTATIVE PROJECTS

Sonic @ Neil, City of Reno, NV.

2019-2020

I performed a no-rise study on an existing ditch. I personally performed: researching all the existing studies from the area and contacting multiple agencies for ownership and ditch history, setting up the hydraulic HEC-RAS model, designing the proposed ditch culvert crossing, writing a hydraulic report that recommended a design to the civil engineer for construction plans.

Work products include: HEC-RAS Hydraulic Model, No-Rise Study Report.

Falcon Ridge North, Washoe County, NV.

2019-2020

I performed hydraulic calculations for a Conditional Letter of Map Revision (CLOMR) for a residential subdivision. I performed: setting up the hydraulic HEC-RAS model, making the necessary adjustments to the model to make it stable and accurate, writing a CLOMR report, coordination with The Federal Emergency Management Agency (FEMA), and coordination with the client.

Work products include: HEC-RAS Hydraulic Model, CLOMR Report.

River Restoration, Atlanta, GA

2020

I performed hydraulic channel analysis and evaluated stabilization and remediation of bank and stream bed of a creek as well as protection measures for the existing culvert and driveway through/over the creek. I created construction plans that met the jurisdiction's requirements. I developed a temporary construction Storm Water Pollution Prevention Plan (SWPPP) and a permanent SWPPP.

Work products include: Construction Plans, SWPPP.



# IAN MAHAFFEY (17-432-37)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

TEC Engineering  
Nevada (United States)  
Design Engineer II  
March 2020—June 2021

Verified by  
**Jacob Russell Hildebrand**  
jhildebrand@tecreno.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

Job Titles:  
Design Engineer II (March 2020 - June 2021)

My work as a Design Engineer II entailed being in charge of the design of larger projects. I had direct and constant contact with the client, contractor and all consultants involved. I performed all the calculations for the hydrology and sewer reports with only a review from my licensed superior prior to submittal. I am responsible for the preparation of several plan sets and reports for residential subdivisions and commercial developments. Examples of site design requirements that I have implemented into designs are: parking stall quantities and dimensions, horizontal curves, stopping sight distances, fire access, ADA specifications. During all stages of design, I was in charge of evaluating constructibility and feasibility. I visited job sites and provided engineering advice to contractors and inspectors in the field, when needed.



### REPRESENTATIVE PROJECTS

Falcon Ridge North, Washoe County, NV.

2020-2021

I designed and permitted a residential townhome subdivision. I performed: preliminary site, grading, and utility design, final site, grading and utility design, final map permitting, client/contractor coordination, Storm Water Pollution Plans (SWPPP), hydrology and hydraulics calculations, sewer calculations, coordination with County and Sun Valley General Improvement District (SVGID), construction oversight and assistance, and submittal approvals on precast concrete structures.

Work products include: Construction Plans, Hydrology Report, SWPPP, Operations and Maintenance Manual

Truckee River Green, City of Reno, NV.

2020-2021

I designed and permitted a 68-unit townhome subdivision. I performed: preliminary site, grading, and utility design, final site, grading and utility design, tentative map permitting, final map permitting, client/contractor coordination, SWPPP, hydrology and hydraulics calculations, sewer calculations, and submittal approvals on precast concrete structures.

Work products include: Tentative Map Plans, Construction Plans, Sewer Report, Hydrology Report, SWPPP.

Riverside Apartments, City of Reno, NV.

2020-2021

I designed and permitted a 34-unit apartment development. I performed: site, grading, and utility design, permitting, SWPPP, local hydrology and hydraulics calculations, sewer calculations, and submittal approvals on precast concrete structures. I coordinated with the City of Reno staff in order to determine existing infrastructure and resolve City comments.

Work products include: Special Use Permit Plans, Construction Plans, Sewer Report, Hydrology Report, SWPPP.

# IAN MAHAFFEY (17-432-37)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Lumos and Associates  
Nevada (United States)  
Project Designer  
June 2021 – August 2021

Verified by  
**Camille Camille Buehler**  
cbuehler@LumosInc.com

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

### TASKS

Job Titles:  
Project Designer (June 2021 - Current)

I have recently started as a Project Designer working under several PEs at Lumos & Associates. My responsibilities have been to review construction plans to ensure constructability and accuracy. I have performed calculations to ensure grading accuracy. I have ran earthwork quantities and ensured conceptual grading concepts work. I have built and ran sewer, storm drain, and water models to ensure all infrastructure meets jurisdictional standards and requirements.

### REPRESENTATIVE PROJECTS

Mark IV, Fernley, NV

June, 2021 - Current

I have worked with a team to put together a master plan development. I performed: Modeling preliminary water design with Innowyze InfoWATER, modeling preliminary sewer design with Innowyze InfoSWMM, determining optimal phasing scenarios based on Geographic Information Systems (GIS) analysis, performing preliminary hydrology calculations to estimate locations and size of storm drain infrastructure, creating exhibits for client visualization, and earthwork analysis based on usage assumptions.

Stonegate Phase I, City of Reno , NV

June, 2021 - Current

I reviewed and revised several sets of construction plans for a master plan community. I have: Determined validity of storm drain infrastructure, ADA pedestrian ramp design, making revisions to complex Autodesk Civil 3D Corridors and Surfaces, and making revisions to plan sets.

ADDITIONAL INFORMATION



QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**


No

# SCOTT MARSHALL (18-021-01)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL


 Applying To **Nevada**

Application Type **Initial - PE**

Application Date **08/11/2021**

Citizenship **United States**

## SUMMARY



 Engineering Experience after EAC degree **4 years**


Total Engineering Experience **4 years**

Experience under licensed engineer **2 years**


Other Experience

Disciplinary Action **None reported**


 



## EDUCATION

 Bachelors in Civil Engineering (EAC)  
**Carroll College**  
August 2013–May 2017

## EXAMS

 Fundamentals of Engineering (FE)  
**Montana**  
May 2017

Principles and Practice of Engineering (PE)  
**Civil**  
**Idaho**  
October 2020



## LICENSES

 Additional Licenses **None**

# SCOTT MARSHALL (18-021-01)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

United States Marine Corps  
California (United States)  
Motor Transport Operator  
July 2008—July 2012

Verified by  
**Scott Marshall (Self)**

*Experience Summary*

**Full-Time**

**Other: (0%)**

**Experience under licensed surveyor:**

**None**



### TASKS

Trained Marines to drive large military vehicles in combat and in CONUS.



### REPRESENTATIVE PROJECTS

Afghanistan 2009, Japan 2011.

# SCOTT MARSHALL (18-021-01)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

*Eureka!*  
*Idaho (United States)*  
*Server*  
**May 2017—July 2017**

*Verified by*  
**Scott Marshall (Self)**

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



### TASKS

Server at a local restaurant in Boise, ID



### REPRESENTATIVE PROJECTS

Worked as a server in a downtown chain restaurant.

# SCOTT MARSHALL (18-021-01)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

*KM Engineering, LLP  
Idaho (United States)  
Project Engineer  
August 2017 – March 2021*

*Verified by  
Lachlin Connor Kinsella  
lkinsella@kmenllp.com*

*Experience Summary  
Full-Time  
Engineering: 3 years, 7 months  
Post EAC degree: 3 years, 7 months  
Experience under licensed engineer:  
None*



### TASKS

I was tasked with designing subdivision lot layouts, analyze topographic survey through the use of Civil3D, calculated cut and fill quantities for contractor estimates and subdivision layout alternatives. I designed gravity sewer systems while analyzing record drawings and survey dip information for points of connection. I designed storm water conveyance and treatment systems in accordance with local governmental regulations and used the rational method to determine runoff quantities for the sizing of these systems. I was tasked with post construction site inspection as a site engineer to note discrepancies between as built information and proposed design to ensure the completed product would work in accordance with engineering principles and governmental regulations. I was tasked with analyzing FEMA floodplain information to be used in the design of canal crossings and culverts. I was tasked with creating 404 permits for waterway crossings to be submitted to the Army Corps of Engineers. I designed roadway alignments and profiles and all grading for multiple phases of a residential subdivision.



### REPRESENTATIVE PROJECTS

VA Veterans Home Parking Lot Rehabilitation - Boise, Idaho  
August 2017-December 2017

As Project Engineer working under a licensed professional engineer I analyzed topographic survey and conducted site inspections to design a parking lot and landscape area around an existing building in Boise, ID. My role in the project was to create the parking layout striping pattern with the inclusion ADA complaint stalls and pedestrian ramps, design appropriate curbing and grading around the building, analyze storm water flows in accordance with the county storm water guidelines and design manual to design storm conveyance systems, use geotechnical reports to design parking lot subbase, base, and asphalt sections. Upon completion of the design of the parking lot I was tasked with site inspection to ensure contractors demolished and built the parking lot to the plan specifications and followed governmental guidelines for completed work.

Hillside Residential Lot Development - Boise, Idaho  
December 2017-March 2017

As project engineer working under a licensed professional engineer I designed three separate single family residential lots, each located on the side of a hill with steep slopes. These lots required an increased amount of safety design factored into development and had more strict rules for construction due to their location. I designed storm water conveyance systems, sewer laterals, water laterals, residential driveways that connected to public streets, and designed retaining walls with a terraced design while in communication with a locally licensed structural engineer. Upon completion of the construction I conducted site inspections to ensure finished grades matched the proposed grades and report any discrepancies to the local governmental agency.

Hill's Century Farm Subdivision (Multiple phases) - Meridian, Idaho  
March 2017 - March 2021

I designed gravity sewer systems, potable pressurized water systems, pressurized irrigation systems, and storm water treatment systems for a multi-phase subdivision. I also analyzed finished grade and existing grade surfaces to calculate storm water runoff volumes using the rational method to size storm water conveyance systems.

Ashton Estates Subdivision (Multiple Phases) - Kuna, Idaho  
August 2019-August 2020

I was lead engineer designer on two phases of a residential subdivision. I designed the grading and roadway profiles, all utility design and storm water conveyance and treatment as well as lot layouts for each phase of the project I worked on.

# SCOTT MARSHALL (18-021-01)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Kimley-Horn  
Nevada (United States)  
Civil Analyst  
April 2021 – August 2021

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

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



### TASKS

Analyze topographic survey through the use of Civil3D, calculated cut and fill quantities for contractor estimates and project layout alternatives. I designed storm water conveyance and treatment systems in accordance with local governmental regulations. I was tasked with the grading design of ADA compliant parking stalls and pedestrian ramps. I analyzed existing topography and implemented architectural building design to create proposed construction plans in accordance with international building codes and local governmental regulations. I designed retaining walls for flood protection to maintain structural integrity of proposed buildings and used FEMA floodplain information to calculate appropriate grades for conveyance along proposed concrete roadway structures and commercial driveway entrances. I analyzed geotechnical reports to design subbase, base, asphalt, and concrete sections for heavy and light use drive aisles and parking stalls.



### REPRESENTATIVE PROJECTS

Becknell - Las Vegas, NV  
April 2021 - July 2021

Provided on-site civil engineering grading design, storm water management, and parking design for the second phase of a commercial parking lot at an industrial development.

RV Storage at Rawhide - Las Vegas, NV  
July 2021 - August 2021

Conducted and lead the grading design for an 18 acre RV and drive-up unit storage site. Designed storm water conveyance systems and retaining walls for flood mitigation and control.

Warm Springs and Belcastro - Las Vegas, NV  
July 2021 - August 2021

My role in the project was to create the parking layout striping pattern with the inclusion ADA complaint stalls and pedestrian ramps, design appropriate curbing and grading around proposed buildings, analyze storm water flows in accordance with the local storm water guidelines and design manual to design storm conveyance systems, use geotechnical reports to design parking lot subbase, base, concrete, and asphalt sections.



# SCOTT MARSHALL (18-021-01)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION

### QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

Yes, Misdemeanor DUI on January 18th 2016.

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

No

# SCOTT MARSHALL (18-021-01)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### TIME GAPS


Start Date	End Date	Reason	Explanation
08/2012	07/2013	Unemployed	Was unemployed and going to college at this time.

# GRACE MITZEL (17-262-00)


All work experience reviewed by two licensed professionals





DISCIPLINE: CIVIL

## GENERAL

 Applying To **Nevada**  
Application Type **Initial - PE**  
Application Date **08/30/2021**  
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 Civil Engineering (EAC)  
**University of Nevada, Reno**  
**August 2013–May 2017**

## EXAMS

 Fundamentals of Engineering (FE)  
**Nevada**  
**February 2017**  
Principles and Practice of Engineering (PE)  
**Civil**  
**Nevada**  
**October 2018**

## LICENSES

 Additional Licenses **None**

# GRACE MITZEL (17-262-00)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Carollo Engineers, Inc  
Nevada (United States)  
Staff Professional  
July 2017 – August 2021

Verified by  
**Timothy John Loper**  
Tloper@carollo.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

Prepare integrated and master plans that include planning water, wastewater, reclaimed water, storm water, and water resources  
Work on engineering planning and design projects  
Complete hydraulic modeling assignments to develop alternatives and evaluate infrastructure capacity  
Prepare permits, plans and specifications  
Participate in field activities such as field testing  
Prepare cost estimates for water, wastewater, and reclaimed water projects  
Prepare technical memoranda, reports, and electronic deliverables



### REPRESENTATIVE PROJECTS

City of Porterville, California, Integrated Master Plan  
2017-2020

I was project engineer assisting in the development of the water and sewer hydraulic models. I performed system analyses on the sewer and storm drainage systems. I developed recommended improvement projects including lift station upgrades, sewer main replacement, storm drainage replacement, and storm water retention/detention basins. I assisted in developing the sewer and storm water master plans.

Marin Municipal Water District, Pine Mountain Tunnel Storage Transmission Analysis  
2018

I was responsible for inputting facilities and pipelines into the existing hydraulic model. I ensured that each model scenario included the proper facilities and pipelines in order to perform the analysis. I helped develop the project memoranda.

City of Lemoore, California Water, Sewer, and Wastewater Treatment Master Plan.  
2017-2018

I assisted in developing, assembling, and calibration of the hydraulic water model. I completed a water demand balance in order to project future flows. I performed a system analysis on the existing and future system and provided recommended improvements. Finally, I assisted in the development of the Water Master Plan.

Washoe County, Nevada, Pleasant Valley Interceptor Reach 3 Preliminary Design.  
2018

I was responsible for conducting an evaluation of the existing wastewater collection system, and analyzing the impacts of the Bella Vista Ranch development on the system and facilities. This included calculating the projected flows for the development and updating the model to include those flows. I prepared a letter report to present the findings. Finally, I updated the facility plan to include additional facilities and developed a cost estimate for the additional facilities.

Genentech Inc., Site Wide Recycled Water Generation and Distribution  
June-October 2018

As a project engineer, I built a recycled water model based on record drawings. I assisted in determining different irrigation options for the system which included options with storage tanks, pump stations, and phased irrigation demands. I analyzed a variety of modeling scenarios that compared head loss, velocities and pressures versus irrigation demands. I assisted with preparing a report to summarize the findings.

Evanston  
July 2020-August 2020

Regional Treated Water System Hydraulic Efficiency and Optimizations Study

As a project engineer, I evaluated 5 scenarios within the hydraulic water model to analyze the impacts of the city of Skokie's demands on the system. I created the 5 scenarios and redistributed demands throughout the system and assisted in drafting a report to summarize the findings.

Santa Cruz County Sanitation District, Phase 1 I/I Mitigation Program  
2017-2018

I determined 24 flow monitoring locations and used the flow monitoring data to recalibrated the hydraulic model to dry weather and wet weather flow. I analyzed the existing system to determine deficiencies and improvements. I researched I/I mitigation options including associated cost estimates. I assisted in the development of an I/I mitigation plan that included microbasin flow monitoring and capacity improvements.

City of Tracy  
2018-2019

I developed, calibrated and analyzed a hydraulic wastewater model. I went on field visits to determine pump station parameters and system connectivity in order to make the model accurate. I assisted in determining future flows based on known development and evaluated the existing and future systems to determine improvements. Finally, I assisted in the development of cost estimates and the master plan report.

South Tahoe Public Utility District

I performed an analysis on the flow monitoring data to update average flows, peak I/I rates, flow levels, and hydraulic conditions. I evaluated the impact of groundwater infiltration for the system for summer and winter conditions. I compared the results of this flow monitoring season to past seasons in order to assess the system performance over time. I helped prepare a presentation to present our findings.

City of El Paso, Boone Siphon Analysis  
2021-ongoing

I performed a hydraulic analysis on a siphon within the city of El Paso. I evaluated the capacity of the siphon based on conditions within the system. I developed a report to present the findings and recommendations on how to maintain the siphon.

SDH, Barker Logistics Impact Analysis  
2021-ongoing

I evaluated the impacts of a development on the water and wastewater system by using flowview software. I calculated the wastewater flows of the development based on flow factors. I assisted in preparing the report and created figures and tables.

# GRACE MITZEL (17-262-00)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION

### QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

No

# ANTHONY NEWTON (17-424-56)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL



Applying To  
**Nevada**

Application Type  
**Initial - PE**

Application Date  
**08/21/2021**

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 Civil Engineering (EAC)  
**Boise State University**  
**August 2012–May 2017**

## EXAMS



Fundamentals of Engineering (FE)  
**Idaho**  
**February 2017**

Principles and Practice of Engineering (PE)  
**Civil**  
**Nevada**  
**April 2019**



## LICENSES



Additional Licenses  
**None**

# ANTHONY NEWTON (17-424-56)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Summit Engineering Corporation  
Nevada (United States)  
Assistant Project Manager  
July 2017 – August 2021

Verified by  
**Clinton G. Thiesse**  
clint@summitnv.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

My initial position with Summit Engineering was Staff Designer in the Public Works Department. Although I have always worked in the Public Works Department, there is a lot of overlap between my department and the Land Development Department, depending on the company workload. In other words, Public Works often takes on Land Development projects and vice-a-versa. As Staff Designer, I started out by learning the basics of Civil3D, watching Autodesk tutorial videos, and performing some light design work in Civil3D. As I progressed in my CAD skills, I was given more responsibility and began designing sites, hand grading (or grading with contours and feature lines), calculating spot elevations, and putting together plan sets. From there, I began getting comfortable with plan and profiles, utility design, and drainage. By early 2018, I was heavily involved with all major design aspects of any given project. I was again given additional responsibility and became more involved with attending project-related meetings and making direct contact with clients, contractors, and agencies. Summer of 2018, I made major progress in my CAD skills by learning advanced corridor modeling and began applying this technique to every project, when practical. Over the next year, I became very self-driven and independent. I began taking on tasks without having to be told, as I had a solid understanding of the general nature of a project and held myself accountable to budgets and schedules. At the end of 2019, I was promoted to Assistant Project Manager. Under this title, I performed the same duties and tasks I did as Staff Designer, and began supervising, providing employees with tasks, and became more involved with projects from start to finish. From working on budget proposals/contracts, through the design phase, to permitting/bid/construction. I have also built various relationships with clients, contractors, and agencies.

## REPRESENTATIVE PROJECTS

### WCSD School Parking Rehabilitation

Scope: Preparation of construction plans and technical specifications for the corrective/preventative maintenance of pavement(s) for 14 schools throughout Washoe County School District.

Dates: July 2017 - January 2020

I was part of a team that conducted on-site surveys of the pavement conditions at each school. I visually inspected the areas of pavement failure, took the necessary measurements to ensure accurate quantities and made decisions for what type of pavement mitigation technique (e.g. crack seal; sawcut, remove and patch) was applicable to each respective area in need of repair. Once back in the office, I transposed the field data into Civil3D by showing the accurate locations and type of repairs on basemaps and orthophotos for each school. I also created a striping plan for each school for the contractor to reference after making pavement repairs and slurry sealing. In addition to this, I prepared for each school: repair/striping quantity totals, details, engineers estimates, technical specifications, and bid documents. I also attended pre-bid meetings and answered questions from prospective bidders.

### Carson Hills Apartment Complex

Scope: A 370-unit (i.e. 10 & 20 unit buildings) apartment complex, on approximately 20-acres of previously undeveloped land located in Carson City, Nevada.

Dates: July 2017 - October 2019

I provided a structural sub with preliminary plans and data for the structural analysis of several Redi-Rock block retaining walls (both gravity and MSE) throughout this challenging/steep site (approximately 25% average slope). Based on the structural sub's final data, I designed plan and profiles in Civil3D for 18 retaining walls, with the largest wall being 21'-tall, over 700'-long, and containing over 2,000 individual blocks. I also designed several smaller retaining walls, to take up grade differences between buildings (using Redi-Rock's software) and wall drain systems with weep-hole penetrations for every wall. In addition to this, I prepared individual wall cross-sections and details, to be incorporated in a final wall plan set for permitting and construction.

Regarding the overall site, I designed and/or prepared: site plan, grading plan (including surface drainage and analysis), horizontal control plan, erosion control plan, and details. I also had some involvement in utility design, addressed redlines and comments from local agencies, coordinated construction staking with the survey crew, and directly answered questions from the contractor



during construction.

#### Battle Mountain Levee System Project

Scope: An approximately 3.5-mile continuous levee system and reconstruction of approximately 1.25-miles of roads, for the efficient conveyance of floodwaters and to protect the town of Battle Mountain, Nevada, based on the 100-year flood analysis of the Reese River and FEMA requirements.

Dates: June 2018 - Ongoing

My role on this project began with the re-alignment of the proposed levee system, to minimize impacts to existing wetlands for 404 permitting (based on the environmental sub study) and minimize impacts to the existing freeboard deficient levee (designed and constructed by USACE) for 408 permitting. Next, I designed the profile of the top-centerline of the levee system, based on the 100-year flood profile (from the hydrology sub study) and FEMA freeboard and tie-in requirements. The levee system is comprised of earthen levee reaches, concrete floodwalls, a closure structure at the UPRR crossing, flood conveyance culverts, and interior drainage culverts. I used advanced corridor modeling techniques in Civil3D to grade the levee reaches and multiple roads that needed reconstructed (e.g. elevating roads at levee crossings). I also ran multiple iterations of the 100-year flood using HEC-RAS as a check of the hydrology sub.

#### SR306 NDOT Facilities Improvement Project

Scope: Reconstruction of approximately 5-miles of Nevada State Route 306, located between Interstate-80 and Beowawe, Nevada. Project funded by Nevada Gold Mines and supported by NDOT.

Dates: October 2020 - May 2021

For this road widening project, I developed multiple station specific road cross-sections and used the existing road centerline alignment and profile to create a daylight-line from a corridor in Civil3D. Throughout the design process, I ensured that all clear-zone requirements (per AASHTO) were met, as well as conditions and standards set by NDOT. I also supervised two employees and with my design and their additional tasks/design, we developed a construction plan set, special provision technical specifications and bid documents. Currently, I have been directly answering RFI's related to the project/construction.

ADDITIONAL INFORMATION



QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**


No

# SUKRITI PANTHI (17-449-93)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL


 Applying To **Nevada**

Application Type **Initial - PE**

Application Date **08/27/2021**

Citizenship **Nepal**



## SUMMARY



 Engineering Experience after EAC degree **4 years**

Total Engineering Experience **4 years**


Experience under licensed engineer **4 years**

Disciplinary Action **None reported**

## EDUCATION

 Non-degree **Mississippi University For Women**  
**August 2013–December 2014**

Bachelors in Civil Engineering (EAC) **Idaho State University**  
**January 2015–May 2017**



## EXAMS

 Fundamentals of Engineering (FE) **Idaho**  
**January 2017**

Principles and Practice of Engineering (PE) **Civil**  
**Nevada**  
**October 2019**

LICENSES

 Additional Licenses **None**

# SUKRITI PANTHI (17-449-93)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Taney Engineering  
Nevada (United States)  
Designer II  
August 2017 – August 2021

Verified by  
**Edward Edward Taney**  
EdT@taneycorp.com

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



### TASKS

1. Task and Duties: I was responsible for a drainage study for a project. I had to perform a hydraulic and hydrology analysis and make sure the flow generated with the development of the site did not affect the existing streets. I had to meter the flow from the weir and the storm drain pipe and make sure the adjacent site would also not be impacted with the flow.
2. Task and Duties: I was responsible for the improvement plans package. I designed the water and sewer system onsite of the project. I had to make sure that we were able to connect to existing water and sewer and make sure that there was a positive slope throughout the site. I had to make sure that the import and export was minimized while grading and there was no conflicts with the proposed utilities. I had to make sure the cost was minimized while designing the site.
3. Task and Duties: I was responsible for the utilities design of a project. The utility design mostly included the design of Sewer (gravity main, force main and lift station) and Water (pressure main, fire hydrant placement and utilities conflicts). To connect to existing sewer, we had to propose a force main and the force main had to run under a rail road. I had to change the design of the sewer force main several times to get enough clearance from all the wet and dry utilities. The sewer force main had to run deep so it could go under the rail road and also under the existing culverts while maintaining a positive flow in the right of way.



### REPRESENTATIVE PROJECTS

1. Projects - Project Name: PRL001 - Prologis Building 3 & 4; Location: North Las Vegas 89115 (APN: 2333601004& 12333601003), Owner: PAC OPERATING LIMITED PARTNERSHIP, 2017 - 2018  
Responsibilities: I calculated the flows generated from the development of the site and designed a retention basin to retain the flow difference between proposed and existing runoff.
2. Project Name: Lone Mountain & Berg; Civic Center & Branson, Location: North Las Vegas - 89081 (APN: 13901101011) & North Las Vegas - 89030 (APN: 13912201011), Owner: WILLCAR HOLDINGS LLC & BROTHERS PROPERTY MANAGEMENT LLC, 2019-2020  
Responsibilities: I designed the onsite sewer, water line, and did the grading.
3. Project Name: Tropical and Range Industrial Site, Location: North Las Vegas - 89115 (APN:12328201016), Owner: PAULS/DREAM INDUSTRIAL RANGE ROAD LLC , 2020-2021  
Responsibilities: I designed the onsite and offsite sewer and water lines. I had to make sure that there was no vertical or horizontal conflicts with the utilities.

# SUKRITI PANTHI (17-449-93)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION

### QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

No

# SUKRITI PANTHI (17-449-93)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### TIME GAPS

Start Date	End Date	Reason	Explanation
08/2012	07/2013	Unemployed	Took a year gap to apply for universities in the States.

# GARRETT ROTTNER (14-209-72)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL



Applying To  
**Nevada**

Application Type  
**Initial - PE**

Application Date  
**08/18/2021**

Citizenship  
**United States**

## SUMMARY



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

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

Experience under licensed  
engineer  
**6 years, 10 months**

Disciplinary Action  
**None reported**



## EDUCATION



Non-degree  
**Butte College**  
**August 2006–June 2009**

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



## EXAMS



Fundamentals of Engineering (FE)  
**Nevada**  
**October 2013**

Principles and Practice of Engineering (PE)  
**Civil**  
**Nevada**  
**April 2021**

## LICENSES



Additional Licenses  
**None**

# GARRETT ROTTNER (14-209-72)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Summit Engineering Corporation  
Nevada (United States)  
Public Works Designer  
January 2014—August 2015

Verified by  
**Richard Dennis Pettinari**  
rich.pettinari@gmail.com

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

### TASKS

- Conduct overland hydrology studies and compiling hydraulic analysis reports
- Design public and government infrastructure using computer assisted drafting software
- Inspect construction per projects plans and specifications
- Assist in project specification development
- Coordinate with survey department for field surveys
- Respond to contractors request for information queries

### REPRESENTATIVE PROJECTS

Washoe Tribe, Overland Flow Hydrology Study, Douglas County, NV

I conducted an overland flow hydrology study for the Washoe Tribe. The analysis encompassed analyzing approximately 3000 acres of upstream mix use land and drainage features: residential, commercial, engineered channels, detention basins, underground storm drains, and native vegetated land. The intent of the study was to determine watershed volumes and flows entering tribal property and propose future mitigation of flood flows entering tribal land. I assisted the survey crew with topographic surveys and measuring storm drain inlet/outlet elevations. I imported survey data to computer drafting program where I mapped storm drain systems and overland watershed paths based on contours. I created a hydrologic model, with Auto Desk Storm and Sanitary Analysis, representing existing drainage basins, overland drainage paths and engineered features conveying watershed to tribal land. I used the TR-55 method with 5-year, 25-year, and 100-year storm rain storm intensities to determine watershed volumes/flows onto tribal land. I compiled a report with findings and proposed mitigation efforts to tribal representatives. Proposed mitigation included channelizing storm flows at point locations and adding two detention basins.

City of Sparks, American with Disabilities Act Curb Ramp Retrofit Design, Sparks, NV

I designed pedestrian ramps to be retrofitted and compliant with American with Disabilities Act (ADA). I conducted a field visit to familiarize myself with the location, took site photos, and taped/measured existing features for reference. I coordinated with survey crew for specific locations to survey and specified features to measure. I drafted existing sidewalks, curb ramps, and driveways from provided field survey data. I designed and calculated finish surface elevations and grade percentages of retrofitted ramps within appropriate state and ADA specifications using computer drafting program. I calculated cubic yardage of concrete demolition, concrete saw cut lengths, and new ramp concrete volumes. I compiled a contract plan set with site map, demolition plan, grading plan, quantity table, and assisted my manager with project specifications.

Coeur Rochester Mining, Rock Fill Buttress Inspection, Pershing County, NV

I inspected construction of rock fill buttress and earthwork operations for new heap leach facility. The new buttress widened the existing mine haul road and created safer travel for mine haul trucks. I calculated and tracked contractor's daily production rates of embankment. I coordinated with Coeur Rochester mining project manager on a daily basis and discussed current operations, productions, safety issues and achievement of schedule milestones. I scheduled geotechnical soil sampling based on contractor production volumes, import soil changes, and contract specifications. I inspected, confirmed quantities, and reported on delivered materials for project. I tracked and reported contractor's equipment and manhours used during change order work.



# GARRETT ROTTNER (14-209-72)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Granite Construction Company  
Nevada (United States)  
Project Engineer 2  
August 2015—June 2018

Verified by  
**Shawn Shawn St. Jacques**  
shawn.St.jacques@gcinc.com

Experience Summary  
**Full-Time**  
**Engineering: 2 years, 10 months**  
**Post EAC degree: 2 years, 10 months**  
**Experience under licensed engineer:**  
**2 years, 1 month**

## TASKS

- Review and process change orders
- Perform earthwork take offs and earth moving analysis using computer aided programs
- Perform value engineering
- Equip and calibrate earthmoving equipment with global positioning systems (GPS)
- Estimating and budgeting construction cost
- Import contract grading plans and digital files to earthmoving equipment and grade setter GPS equipment
- Attend and participate in constructability reviews
- Analyzing and optimizing trucking production
- Calculate monthly earthwork progress quantities
- Develop critical path schedules and update progress schedules
- Contact vendors and subcontractors for material delivery schedule
- Recommend resolutions to drawing interpretation problems, conflicts, and errors.
- Perform preliminary engineering review and make recommendations regarding schedule, public safety, and constructability.

## REPRESENTATIVE PROJECTS

### Army Aviation Support Facility Apron Tarmac Replacement, Stead, NV

The objective of this project was to demolish and reconstruct the existing helicopter staging pads, asphalt taxi way, and concrete slab to maintenance building entrance. On a daily basis I tracked labor and equipment hours and calculated daily completed quantities to develop daily production unit cost. I then compared the daily production unit cost to the bid estimated daily cost to determine daily profitability. I also checked field productions against critical path schedule to determine if the project was on schedule to meet planned milestones. I analyzed trucking routes from material plants and various paths to project site. I discovered that haul times had slowed during peak hours of traffic and alternative routes with less traffic could be utilized. I proposed alternative trucking routes to meet planned daily production rates. I coordinated with material and equipment suppliers to set delivery schedules and analyzed late delivery effects that would impact critical path schedule. Before concrete pours I calculated volume of concrete needed and determined number of concrete trucks. At end of concrete pours, I analyzed plan quantity concrete volumes versus actual placed concrete volume to determine a concrete waste factor. On a monthly basis I consolidated total completed activities/quantities, remaining activities/quantities, averaged field activity productions, and forecasted job completion date, cost of project to date, and projected job profitability.

### Union Pacific Railroad Emergency Contract, Doyle, CA

Granite construction had an emergency construction contract with Union Pacific Railroad. Granite was notified by Union Pacific that an earthen embankment for a railroad bridge abutment had been washed out by flood flows and needed a timely repair. I visited the site along with a Granite project manager and determined equipment needed to repair the earthen embankment. I conducted field measurements and used average end area method to estimate import borrow material needed to reconstruct. I then determined our daily embankment production needs to complete the project within the allotted time frame of two weeks. I coordinated with trucking subcontractors for hauling needs and contacted local material sources for volume needs. During construction I tracked haul truck haul times to confirm estimated hauling production rates and forecasted project completion. I tracked labor, equipment, and leased trucking hours daily. At job completion I compiled a job report and time and materials pay application.

### S.R. 28 Shared Use Path and Water Quality Improvements Project, Lake Tahoe, NV

During the bid estimating process, I performed earthwork takeoffs and used computer modeling programs to analyze earthwork. I developed excavation/embankment maps and mass haul diagrams to assist team member estimators in efficient earth hauling strategies. Before construction I attended constructability reviews and brainstormed ideas how to build/construct soil nail walls with

limited equipment working area due to environmental constraints. Using computer modeling software, I determined that temporary earth benches could be constructed with a larger equipment working area by increasing earth bench width and steepening the slope angle and still safely stay within the environmental limits and project constraints.

During the project I maintained a global positioning system (GPS) earthwork model for earth moving equipment and grade setters. I assisted field personnel with calibrating real time kinematic GPS earthmoving and grade setting equipment. When engineer sent plan revisions, I would revise GPS model to reflect engineer changes and upload revised model to field personnel. When field crew had issues with GPS equipment or needed replacement equipment, I would schedule the GPS manufacture specialist to visit the site or order and install replacement equipment myself. I assisted in calculating earthwork progress quantities using GPS measurements taken from field grade setter, creating a three-dimensional triangulated irregular network (TIN) surface using computer modeling program and performing a surface comparison between grade setter TIN and the engineered design TIN. During progress earthwork quantification shrink and/or swell of site material was approximately determined based on field conditions. I reported quantity and soil expansion/compaction characteristics to project team.

# GARRETT ROTTNER (14-209-72)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Triad/Holmes Associates  
California (United States)  
Civil Designer  
June 2018—September 2018

Verified by  
**Matthew Steven Schober**  
Matthew.schober@dot.ca.gov

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

### TASKS

- Coordinate with survey crew
- Develop and draft base map from field survey
- Coordinate with owner and architect
- Design three-dimension earthwork grading model for redevelopment and undeveloped private lots
- Grade private lots per county, city, and state codes
- Calculate finish grade elevations for hard surfaces
- Perform hydrologic stormwater calculations for predevelopment and post development
- Develop storm water pollution prevention plans and perform site inspections
- Revise plans per county and/or city comments

### REPRESENTATIVE PROJECTS

SWPPP: Grocery Outlet, 1320 N. Main St, Bishop, CA

I inspected installation of silt fence, fiber roll, and drainage inlet protection per storm water pollution prevention plans (SWPPP). I monitored forecasted weather for 50% or greater chance of rain event that may produce 0.1 inch or more of precipitation within a 24-hour period. I informed contractor of qualifying forecasted rain events and items shown on SWPPP that were in need of maintenance and/or implementation. I reviewed and documented pre storm site conditions, during storm site conditions, and after storm site conditions.

Lot Grading, Drainage, and SWPPP: 555 El Monte, Los Altos, CA

Triad was contracted with an owner and architect for civil engineering design and development of civil engineered grading, drainage, and storm water pollution prevention plans for redevelopment of a residential lot. I coordinated with the survey crew and requested lot boundary and topographical surveys of residential lot. I then took the field survey information and drafted a site base map and created a three-dimensional existing site triangulated irregular network (TIN) surface. I coordinated with the owner and architect for site layout reference plans. I then drafted and finish graded site to conform with county, city, state codes and align with architects overall site vision. I created a proposed TIN grading surface that was compared to the existing site TIN surface to determine earthwork quantity volumes. I performed a predevelopment pervious and impervious area calculation and compared to designed post development pervious and impervious area calculation. The post site was found to have a greater impervious area resulting an increase of stormwater runoff based on rational hydraulic calculation referencing published county rainfall intensity data. The hard surface features and roof drain outlets were graded to sheet water towards vegetated portions of property where a small vegetated earthen swale led to an underground detention basin. The basin was sized to store the net increase of stormwater generated from post development and with added capacity for safety factor. I developed stormwater pollution prevention plans that included construction entrance and temporary fiber rolls. I drafted details of drainage features, cross sections of sidewalks and driveways. Plans were submitted and reviewed by my design manager, architect, county, and municipality for review. I addressed comments and revised plans per comments.

# GARRETT ROTTNER (14-209-72)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

California Department of Transportation  
California (United States)  
Transportation Engineer  
September 2018—August 2021

Verified by  
**Lianne Talbot**  
lianne.talbot@dot.ca.gov

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

- Design public infrastructure per state and federal specifications
- Conduct field investigations and studies
- Analyze historical cost data for project estimate
- Develop special provision specifications
- Inspect temporary traffic control
- Attend and participate in constructability reviews
- Calculate monthly earthwork quantities
- Develop and review critical path schedules and update progress schedules
- Recommend resolutions to drawing interpretation problems, conflicts, and errors.
- Perform preliminary engineering review and make recommendations regarding schedule, public safety, and constructability.

### REPRESENTATIVE PROJECTS

#### Highway 58 CMS Paved Pull Out, Kern County, CA

A stationary changeable message sign was constructed on shoulder of expressway without safe access or parking for maintenance crews. I proposed a project that added a pave pull out for maintenance crews to safely stage equipment and work on changeable message sign without impacting the traveling public. The proposal included total design build cost and approximate timeframe for design and construction. When the project was funded, I coordinated with survey crews, right of way, environmental and other departments within Caltrans. During design I used three-dimensional computer aided drafting software to design the pull out and quantify materials necessary for construction. I also developed an estimate using historical unit cost and item costs as reference. I developed a critical path schedule based on standard order of construction operations and project material quantities. I compiled standard specifications, standard plans, and developed special provision specifications and revised standard plans to meet project's needs. I assisted my manager in reviewing the contractor's unit cost estimate and qualifications before Caltrans accepted the bid. The project is scheduled to be constructed in Fall of 2021.

#### Highway 178 Horizontal Alignment Signs, Kern County, CA

Federal standards have modified limits of comfortable vehicle speeds around curves and warning sign sheeting retroreflectivity. To be concurrent with federal and state standards I conducted a field investigation of existing signed curves along 18 miles of Highway 178. During the study I ball banked the signed curves; driving each curve three times in both travel direction at five miles per hour below the posted warning speed limit, at the warning speed limit, and five miles per hour above the warning speed limit. The highest ball bank reading was recorded for each speed through the curve and plotted onto a standard diagram. A trend line was then plotted using the three points and referenced against standard comfortable force limit line. After the study was complete the trendline information was used to hold or set new comfortable warning speeds for each curve. I developed a plan set with sign location, panel, and warning speed sub panel with CAMUTCD code, sign size, sheeting retroreflectivity, and post size. I compiled standard specifications and standard plans along with developing special provision specifications and revised standard plans for the project. I also developed an estimate for the project using historical unit cost and item cost information. Before construction started, I located sign locations in the field and modified locations based on field site distance and curve radius length to accommodate chevron and directional arrow signage. During construction I inspected the contractors temporary traffic control, installation of signs, and tracked daily production to estimate project completion.

#### Highway 395 North Sherwin Shoulder Widening, Mono County, CA

During constructability review period, I performed a material take off per bid plan set. I used computer aided programs to verify plan quantity and review plan set for errors or discrepancies. The shoulder widening project is currently in construction and will be completed spring of 2022. I am currently a construction inspector on the project overseeing all construction operations. On a daily basis I track haul truck round times to approximate hourly production. At the end of the work week, I use a real time kinematic

(RTK) global positioning system (GPS) to check contractors progress grade and perform a cross-section informational survey. I then take the cross-sectional informational survey points and import into a computer modeling program to develop a triangulated irregular network (TIN) surface. The TIN surface is then compared to the engineered three-dimensional model to determine volume of earth excavated or embanked. I also reference field survey slope stake information to assist in average end area calculations of earthwork and use as a comparison to computer aided calculations. On a monthly basis I review contractors critical path schedule to help determine project completion percentage, impacts to critical path, and scheduled final completion date. When discrepancies are found within the plan or field, I assist the project Registered Engineer with solutions and documenting extra work if a claim is filed by contractor. I also inspect temporary traffic control daily for concurrence with California Manual on Uniform Traffic Control Devices and project traffic handling plans.

ADDITIONAL INFORMATION



QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

No


# DANIEL SANDOVAL (15-630-39)

All work experience reviewed by two licensed professionals

166 Moffett dr  
Bishop, CA 93514

DISCIPLINE: CIVIL

## GENERAL


 Applying To  
**Nevada**

Application Type  
**Initial - PE**

Application Date  
**08/03/2021**

Citizenship  
**United States**



## SUMMARY



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

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

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

Disciplinary Action  
**None reported**


 

## EDUCATION

 Bachelors in Civil Engineering (EAC)  
**San Diego State University**  
**August 2011–May 2016**

## EXAMS

 Fundamentals of Engineering (FE)  
**California**  
**October 2015**

Principles and Practice of Engineering (PE)  
**Civil**  
**California**  
**April 2021**

## LICENSES

 Additional Licenses  
**None**

# DANIEL SANDOVAL (15-630-39)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Condon-Johnson & Associates  
California (United States)  
Project Manager  
June 2016—June 2019

Verified by  
**George Mark Burrough**  
gburrough@condon-johnson.com

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

### TASKS

Condon-Johnson & Associates specializes in the construction of earth retention systems and deep foundations. I worked as an intern, field engineer, project engineer, and project manager on various projects installing soldier beam shoring, drilled shaft pile foundations, and vibrated piles. Additional tasks include: Design cantilever, tied back, and internally braced soldier beam shoring preliminary designs. Perform quantity take offs and estimates for various projects and bids. Design single point lift plans. Prepare pile as built. Prepare, perform, and analyze static load tests on piles and tiebacks. Prepare various other project related submittals such as: construction work plans, request for information documents, change orders, purchase orders and subcontracts. Select more economical beam section that satisfies design requirements when designing soldier beam shoring. Designated crane's maximum radius and boom angle while hoisting a load. Determine if tieback anchors were properly tested and locked off at the design load. Verify foundation piles and temporary shoring work is being constructed in conformance with the project QA/QC requirements. Coordinate with general contractors, subcontractors, and suppliers.

### REPRESENTATIVE PROJECTS

The Metro Westside Purpleline Subway Extension project is located in Los Angeles, CA, USA. The project added 4 subway stations along Wilshire Blvd in west LA. Condon-Johnson scope was to install hundreds of temporary Soldier beams at each station. The beams were up to 120 feet long with drilled shaft diameters up to 8 feet. I worked as a field engineer ensuring proper installation of the soldier beams preparing pile reports for the design engineer and general contractor to review. I also kept accurate inventory of the hundreds of beams, ordered concrete daily, worked with the inspector when verifying proper placement of the beams, placed string line and stake markers for the crew to line up the face of beam in the correct location. I analyzed man hours to determine if adjustments needed to be made to meet budget. I calculated actual concrete placed quantities and compared to the theoretical volumes to determine concrete over pour. Dates of day to day involvement 6/2016-9/2017, with intermittent involvement regarding change order resolution to 6/2019.

The project USCG FRC Homeport Base was located in San Pedro, CA, USA. Condon-Johnson's scope was to install permanent augercast piles for the foundation of a large building. I worked as a project engineer coordinating with our internal crew and the general contractor for labor, equipment, and material. I, and our crew, installed test piles and performed compression and tension tests on them. I prepared the pile test results for the structural designer to review. I performed the quantity take off for all the material on the project. I ordered the rebar cages and the 150 ksi center bars used for testing. I reviewed shop drawing from the rebar manufacturer to verify that the rebar that will be delivered matched the plans. I calculated actual concrete placed quantities and compared to the theoretical volumes to determine concrete over pour. I worked with the drill rig operator to set up the drill rig and concrete pump ensuring that the correct amount of concrete slurry was being pumped through the hollow auger. Dates of involvement 9/2017-9/2018.

The LACMA Japanese Pavilion project is located in Los Angeles, CA, USA. Condon-Johnson's scope was to install temporary shoring and excavation to provide access to the buildings foundation and walls for waterproofing retro fit. I worked as a project manager and designed the preliminary shoring design used for the estimate, prepared the estimate and proposal, was awarded the project, coordinated with our internal crew and the general contractor for labor, equipment, and material. I analyzed man hours used during mobilization, beam install, and excavation to verify we were meeting budget. I analyzed equipment used balancing owned equipment available and rented equipment compared to the budget. I calculated a schedule based off our actual production and provided it to the general contractor for coordination with the waterproofing and groundwater mitigation subcontractors. Dates of involvement 6/2018-6/2019.



# DANIEL SANDOVAL (15-630-39)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Eastern Sierra Engineering  
Nevada (United States)  
Staff Designer  
August 2019—July 2021

Verified by  
**Deborah Davis Jenkins**  
djenkins@esengr.com

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



### TASKS

Eastern Sierra Engineering is a civil engineering firm with offices in California and Nevada and specializes in designing roads, pedestrian facilities, and site plans for public entities and large commercial developments. I have worked as a staff designer using Civil 3D to produce plans, design ADA compliant pedestrian ramps and sidewalks, design storm drain and sewer systems. Draft Caltrans project reports and supporting documents such as: preliminary plans, vicinity maps, cost estimates, life cycle cost analysis, environmental study requests, cross sections, design standard exception decision document. Update county standards to reflect current AASHTO and ADA requirements. Balance maintaining curb return flowline and the ability for water to drain and ADA slope requirements. Optimize new storm drain systems to reduce the number of structures, decreasing long term maintenance. Select pavement treatment method by comparing different pavement rehabilitation methods pros, cons, and cost.



### REPRESENTATIVE PROJECTS

The Lakeside Drive Rehabilitation project is located in Reno, NV, USA. The project rehabilitated approximately one mile along Lakeside Drive replacing the asphalt pavement, sidewalks, driveways, and pedestrian ramps. I worked as a staff designer using Civil 3D to design pedestrian ramps, driveways, and sidewalks. This involved evaluating existing trends in the site topography, specifying the proposed grades and slopes to meet ADA requirements, tie back in to existing sidewalk and road, and ensure the slopes would allow water to flow to a drainage inlet. Additionally, I mapped existing utilities and added new storm drain to the existing system. This involved reviewing past projects utility plans, mapping it into civil 3D with correct elevations, locations, inverts, diameters, and slopes. Designing the new storm drain involved specifying the location, elevation, pipe diameter, pipe inverts, and slope of the new pipes, plotting a profile view along the pipe and ensure it crossed existing pipes with an acceptable clearance, verifying the slope met minimum requirements and allowed water to flow. The project began design 8/2019 and completed construction in 10/2020. Dates of involvement 8/2019-10/2020.

The Bishop Pavement project is located in Bishop, CA, USA. The current scope of the project is a Project Report for Caltrans where the options of the treatment method of the asphalt and improved pedestrian facilities are compared and selected. I have drafted the text body of the project report and prepared the attachments of the report including: designing a preliminary plan showing proposed improvements, utilities, and new right of way. Additionally, prepared cost estimates, cross sections, vicinity maps, and other attachments to compliment the body of the report. We began work on the project report 7/2020 and the Draft Project Report and the Draft Environmental Document are currently circulating and I will update any changes and submit the final products in August 2021. PS&E design is expected to begin this Fall. Dates of involvement 7/2020-Current.

ADDITIONAL INFORMATION



QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

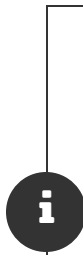
No

# SAILUJ SHAKYA (18-568-83)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL



Applying To  
**Nevada**

Application Type  
**Initial - PE**

Application Date  
**08/12/2021**

Citizenship  
**Nepal**

## SUMMARY



Engineering Experience  
after EAC degree

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

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

Disciplinary Action  
**None reported**



## EDUCATION



Bachelors in Civil Engineering  
**Tribhuvan University**  
January 2010–May 2014

Masters in Civil and Environmental Engineering  
**University of Nevada, Las Vegas**  
August 2017–May 2019



## EXAMS



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

Principles and Practice of Engineering (PE)  
**Civil**  
**Nevada**  
January 2021

## LICENSES



Additional Licenses  
**None**

# SAILUJ SHAKYA (18-568-83)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Atkins North America Inc.  
Nevada (United States)  
Engineer I  
July 2019—August 2021

Verified by  
**Clark Barlow**  
clark.barlow@atkinsglobal.com

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



### TASKS

1. Perform hydrologic analysis of rural and urban watersheds and estimate design flows. This requires creating subbasin maps, estimating rainfall for several return periods, estimate flow routing parameters, and estimate flows using hydrologic models. This process requires understanding and using Clark County Regional Flood Hydrologic Criteria and Drainage Design Manual, using ArcGIS for subbasin maps and setting up and running HEC-1 and HEC-HMS for hydrologic models.
2. Design storm drainage systems including detention basins and conveyance systems for regional and local level flood control facilities and roadways. This requires understanding and conveying design intent of engineering drawing and specifications, using hydraulic principles, and using available tools such as Flowmaster, HEC-RAS and WSPG-W models.
3. Develop a 2D hydraulic model to investigate the flood extents and other flood wave parameters. The flood may be resulting from heavy rainfall or damage of hydraulic structures such as dam and levees. Design and/or check the performance of flood control structures which require use of 2D hydraulics. This requires setting up a model in HEC-RAS which include processing and preparing terrain in ArcGIS, setting up and refining geometry in HEC-RAS using breaklines, refinement areas, storage areas and connection lines, and setting up the flow data and plans to run the model.



### REPRESENTATIVE PROJECTS

A. Summerlin West Western Slope Washes Base Conditions 2D Modeling Services, Summerlin Development, LLC, Las Vegas, NV.

Engineer responsible for 2D modeling. This project involves complete 2D hydraulic base condition modeling for the drainage washes on the western slopes of Summerlin West.

Duration: 07/2019-02/2020

Tasks

1. I processed and prepared terrain data using ArcGIS required for the 2D model.
2. I created and refined the geometry of the 2D mesh using breaklines and refinement areas and used connection lines to hydraulically connect the subbasins.
3. I setup and ran a HEC-RAS 2D model for the Summerlin West Planning Area with rain on grid method to input rainfall in the model.
4. I analyzed the results from the model run and compared them with the HEC-1 model created for the same area.

B. HCFCD White Oak Bayou Watershed Modeling and Mapping Services, Harris County Flood Control District, Houston, TX.

Engineer responsible for modeling in development of detailed 1D/2D coupled hydraulic models for 80.6 stream miles in the watershed and creating a new HEC-HMS hydrologic model for the 111-square-mile watershed.

Duration: 07/2019-02/2020

Tasks

1. I worked on refining the cross-section data for the 1D model using the Lidar and Survey data.
2. I created 1D bridges using the survey data and data from the FEMA effective model.
3. I created and refined 2D mesh with breaklines, refinement areas, storage areas and 2D culverts where needed
4. I setup and ran 2D model for one of the subbasins in the Watershed and combined it with the 1D model.

C. Emergency Action Plan Update 2D Modeling Services, City of North Las Vegas, NV Engineer Responsible for 2D modeling, probable maximum flood analysis, dam break analysis and inundation mapping in the City of North Las Vegas covering 150-square-mile area with five detention basins and a diversion dike.

Duration: 08/2019-08/2020

Tasks

1. I estimated the Probable Maximum Precipitation using Hydrometeorological Report – 49 (HMR-49) and used the rainfall in the

HEC-1 model for the Range Wash alluvial fan to estimate the Probable Maximum Flood at concentration points at the most downstream end of the West Range Diversion Dike.

2. I processed and prepared terrain data for the Las Vegas Valley that was used in the HEC-RAS 2D model using ArcGIS capabilities.
3. I created and refined 2D mesh for the 2D model using breaklines, refinement areas, storage areas and 2D culverts where required.
4. I set up a 2D model for the Las Vegas Valley with multiple plans for Dam Breach Scenarios for five detention basins and west range diversion dike in the North Las Vegas using the breach setup feature of HEC-RAS.
5. I analyzed the results from the model run and extracted the flood wave arrival time, velocity for several cross-sections along the flood plain. The extracted results were presented in a flood extent and information map.

D. Technical Drainage Studies for Roadway Projects in Summerlin West Planning Area, City of Las Vegas, NV Engineer  
Responsible for hydrologic and hydraulic analysis of storm drain requirements in roadways.

Duration: 01/2020-04/2021

Tasks

1. I created subbasins for the onsite and offsite areas for the roadway and using them to estimate the 100-year rainfall.
2. I estimated the curve numbers for each subbasins by intersecting the subbasins with the soils and Landuse data and using the data in the spreadsheet created for 2018 Las Vegas Valley MPU.
3. I created a HEC-1 model with multiple concentration points to estimate the 100-year flows for the storm drains.
4. I used Bentley's Flow master to estimate the depth and velocity of the flow in the roadway and the intercepted flows and bypass flow in the drop inlets to size them.
5. I used WSPG-W to estimate the Hydraulic Gradient Line for the storm drain.

ADDITIONAL INFORMATION



QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

No

# SAILUJ SHAKYA (18-568-83)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### TIME GAPS

Start Date	End Date	Reason	Explanation
07/2009	12/2009	Unemployed	Transition from High School to University for undergraduate degree in Civil Engineering.
06/2014	07/2017	Unemployed	Worked as a Civil Engineer in Nepal after completing Bachelor's degree in Civil Engineering and before starting Master's Degree in University of Nevada Las Vegas.

# AMANDA TANAKA (19-451-01)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL


 Applying To **Nevada**

Application Type **Initial - PE**

Application Date **09/01/2021**

Citizenship **Brazil**

## SUMMARY



 Engineering Experience after EAC degree


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

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


Other Experience **10 months**

Disciplinary Action **None reported**


 



## EDUCATION


 Meets NCEES Engineering Education Standard

Non-degree  
**Butler County Community College**  
**January 2009–May 2009**

 Bachelors in Chemistry  
**University of Sao Paulo**  
**March 2010–May 2016**

Masters in Civil and Environmental Engineering  
**University of Nevada, Las Vegas**  
**January 2017–August 2019**

## EXAMS

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

Principles and Practice of Engineering (PE)  
**Civil**  
**Nevada**  
**April 2021**

## LICENSES

 Additional Licenses **None**



# AMANDA TANAKA (19-451-01)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

*Empraba*  
*São Paulo (Brazil)*  
*Research Intern*  
**May 2012—July 2013**

*Verified by*  
**Amanda Tanaka (Self)**

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



### TASKS

Tested a new material developed by my advisor, TMQ, in vitro for fungus growth inhibition in fruits. Ordered materials, cultivated fungus



### REPRESENTATIVE PROJECTS

N/A

# AMANDA TANAKA (19-451-01)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

*Colegio Caaso*  
*São Paulo (Brazil)*  
*English Teacher*  
**January 2014—December 2014**

*Verified by*  
**Amanda Tanaka (Self)**

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



### TASKS

- Taught English for beginners, most of them college students
- Prepared classes, developed new activities to engage class, prepared and graded exams and homework



### REPRESENTATIVE PROJECTS

N/A

# AMANDA TANAKA (19-451-01)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

CNPEM  
São Paulo (Brazil)  
Intern  
January 2015—December 2015

Verified by  
**Amanda Tanaka (Self)**

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



### TASKS

- Operated the XPS machine and performed analysis for all internal users
- Developed and tested new catalysts for hydrogen production through the water-gas shift reaction using mass spectrometry and gas chromatography
- Conducted catalyst test analyses on the beamline XAFS 1 at CNPEM



### REPRESENTATIVE PROJECTS

N/A

# AMANDA TANAKA (19-451-01)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

*Emporio BDL*  
*São Paulo (Brazil)*  
*Administrative Assistant*  
**June 2016—December 2016**

Verified by  
**Amanda Tanaka (Self)**

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



### TASKS

- Responsible for sales routines (order intake and separation, issuing invoices and payment slips), operational processes of import and purchases
- Contacted customers and suppliers
- Aided in the financial routines (cash flow)



### REPRESENTATIVE PROJECTS

N/A

# AMANDA TANAKA (19-451-01)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

UNLV  
Nevada (United States)  
Student Worker  
January 2017 – August 2017

Verified by  
**Amanda Tanaka (Self)**

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



### TASKS

- Worked at the information desk at the SEB building and at the administration's office
- Booked conference rooms and managed the meetings



### REPRESENTATIVE PROJECTS

N/A

# AMANDA TANAKA (19-451-01)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

University of Nevada, Las Vegas –  
College of Engineering  
Nevada (United States)  
Research Assistant  
May 2017–December 2018

Verified by  
**Jacimaria Batista**  
jaci.batista@unlv.edu

Experience Summary  
**Part-Time**  
**Other: 10 months (50%)**  
**Experience under licensed surveyor:**  
**None**



### TASKS

As research assistant

- Modeled, on SAM, the optimal performance of solar panels to compare to real data obtained from UNLV PV panels
- Contacted solar companies, conducted interviews, visited solar sites, and participated in conferences and meetings in the field
- Prepared a thesis, poster, technical presentations and analyzed extensive data from solar panels

As Summer Research Assistant:

- Collected and analyzed data from different types of media to remove hexavalent chromium from contaminated water
- Prepared report, poster, and conference presentation
- Mentored and trained an undergraduate student who helped in the project



### REPRESENTATIVE PROJECTS

As research assistant:

Conducted research, through the National Science Foundation Nexus project, on whether washing photovoltaic (PV) solar panels is beneficial, when comparing cost versus efficiency recovery. I was the main lead on this task and was responsible for collecting data, contacting different solar companies, modeling the panel's efficiency and compiling results.

As Summer Research Assistant:

Worked on research testing different types of media to remove hexavalent chromium from contaminated water. I was the primary researcher for this task. I set up bench scale experiments and collected and analyzed data.

# AMANDA TANAKA (19-451-01)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

WSP USA  
Nevada (United States)  
Civil Engineering Intern  
January 2019—August 2019

Verified by  
**Maria Joanna Bacud Opena**  
joanna.opena@strivenv.com

Experience Summary  
**Part-Time**  
**Engineering: 4 months (50%)**  
**Experience under licensed engineer:  
4 months**



### TASKS

As Civil Engineering Intern:

- Under close supervision of the responsible engineer, assisted in the preparation of entitlement packages, tentative maps, technical drainage studies and civil improvement plans for private and public development projects located in City of Henderson, City of Las Vegas, City of North Las Vegas and Clark County
- Analyzed plans and as-builts to determine locations and types of existing wet and dry utilities within project sites
- Prepared reference base files and plan sheets for construction, exhibits for technical drainage studies and AutoTurn exhibits using AutoCAD 2018 Civil 3D
- Under direction of project manager, assisted with permitting agency correspondence and issuance of permit to construct projects including NDOT encroachment permits
- Conducted extensive site visits



### REPRESENTATIVE PROJECTS

Client: D.R. Horton

Project: BLM 1, BLM 2 and BLM 3

Role: Addressed redlines, prepared plan sheets, laid out existing and proposed utilities, prepared tentative maps, cut sheets for plan and profile and utilities layouts, drafted detail sheets in AutoCAD Civil 3D. A land development project for three different residential sites for a private home building company that included full roadway improvements, sewer and water design.

Client: City of Las Vegas

Project: Rancho Drive

Role: Prepared Auto Turn and sight visibility exhibits, aided on design of proposed water line, sewer and storm drain facilities in AutoCAD Civil 3D, evaluated existing and proposed onsite hydrologic and hydraulics conditions. This project is an over 3-mile stretch of roadway, drainage and sewer improvements, that includes bus/bike lanes, curb, gutter and sidewalk and amenity zones. This was the first public works and drainage project I worked on. Previously I had only worked on private land development projects.

# AMANDA TANAKA (19-451-01)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

WSP USA  
Nevada (United States)  
Associate Consultant, Water  
Resources Engineer  
September 2019—September 2021

Verified by  
**Jeffrey Steven Douglas**  
jeff.s.douglas@wsp.com

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

## TASKS

As Associate Consultant, Water Resources Engineer and Assistant Consultant, Water Resources Engineer:

- Designing storm drain facilities, sewer and water lines utilizing AutoCAD 2018 Civil 3D
- Preparing reference base files and plan sheets for construction using AutoCAD 2018 Civil 3D
- Preparing drainage exhibits, using AutoCAD 2018 Civil 3D and ArcMap GIS, drainage reports and performing hydrology and hydraulics analyses
- Grading and assisting in design of detention basins and channels
- Coordinating with utility agencies and subconsultants
- Assisting with fence and civil design for solar sites
- Preparing specifications, computing quantities and cost estimates
- Coordinating with technical staff on various tasks

## REPRESENTATIVE PROJECTS

Project: Jones Boulevard

Role: I designed portions of the storm drain facilities, I prepared plan sheets, I assembled the drainage report, I designed the water line relocations and I calculated the quantities and construction cost estimate for storm drain facility and water line. I reviewed and addressed redlines. I prepared the specifications for the water and storm drain sections.

Project: Glenrowan West Solar Farm

Role: I calculated post elevations and I reviewed redlines and updated them in the construction plans for this 140MW solar farm located in Victoria, Australia. This was the first solar project I worked on.

Project: Flamingo Wash

Role: I prepared plan and profile sheets, I created proposed channel surface in AutoCAD Civil 3D, and I computed construction cost estimate.

Project: Perkins Field Airport

Role: I designed and drafted culverts and a channel along the airport road, I graded a concrete channel in AutoCAD Civil 3D and I performed the hydraulics analysis using FlowMaster and WSPG.

Project: Townsite Phase 4

Role: I did the assessment of existing utilities and reviewed existing as-builts, I designed the main sewer lines and laterals, I prepared the construction plans in AutoCAD Civil 3D, and I coordinated with utility agencies and subconsultants. I also prepared the specifications for this project.

Project: Riverstart Solar

Role: I performed the post design and check. I also coordinated tasks with civil and electrical engineers.



# AMANDA TANAKA (19-451-01)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION

### QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil, Environmental

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

No

# AMANDA TANAKA (19-451-01)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### TIME GAPS

Start Date	End Date	Reason	Explanation
06/2009	02/2010	Unemployed	Studying to take the exams to get into a university in Brazil

# STANLEY TAT (16-695-31)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL



Applying To  
**Nevada**

Application Type  
**Initial - PE**

Application Date  
**07/21/2021**

Citizenship  
**United States**

## SUMMARY



Engineering Experience  
after EAC degree  
**2 years**

Total Engineering  
Experience  
**2 years**

Experience under licensed  
engineer  
**2 years**

Disciplinary Action  
**None reported**



## EDUCATION



Bachelors in Civil Engineering (EAC)  
**University of Nevada, Las Vegas**  
**August 2012–December 2016**

Masters in Civil and Environmental Engineering  
**University of Nevada, Las Vegas**  
**January 2017–December 2018**



## EXAMS



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

Principles and Practice of Engineering (PE)  
**Civil**  
**Nevada**  
**April 2021**

## LICENSES



Additional Licenses  
**None**

# STANLEY TAT (16-695-31)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Westwood Professional Services  
Nevada (United States)  
Graduate Engineer I  
January 2019—May 2020

Verified by  
**Paul John Villaluz**  
paul.villaluz@westwoodps.com

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

## TASKS

During my time at Westwood Professional Services, I worked as a Graduate Engineer in the traffic engineering department. Building off my previous intern experience, I continued to use various traffic analysis software such as Synchro, PTV Vistro, HCS to perform intersection level of service analysis, queuing, and roadway segment level of service for traffic impact analysis (TIA). Before the start of a TIA, I had to coordinate with local agencies for a scope of work, then request traffic counts to be performed via a subconsultant. Additionally, I had to request crash data and signal timings if they were requested in the scope of work. I also used RapidPlan for the design of temporary traffic control zones for the construction of sewer and water lines. For the temporary traffic control plans, I took in consideration of the width of the work zone, length of work zone, width of the lanes, and width of the travel lanes. I also designed the traffic control per the Manual on Uniform Traffic Control Devices (MUTCD) standards. Temporary traffic control plans required continual observation during the construction of the project. Some projects can have multiple public agencies that oversee the area, so each temporary traffic control plan must be submitted to multiple agencies for approval. There are certain instances in which we had to coordinate with the law enforcement for certain types of work zone closures.

I also used AutoCAD to prepare traffic plans with signal, striping, and lighting, along with the associated infrastructure, for the City of Las Vegas. The plans were usually apart of larger submittal package, so I had to coordinate with the other teams to incorporate my plans into their plan set. I had to address any comments from agencies that was associated with the traffic plans I worked on.

## REPRESENTATIVE PROJECTS

Saint Rose Parkway and Bermuda Road Sewer – December 2018 – September 2019

I was involved with the design and drafting of the temporary traffic control plan for the construction a sewer approximately 3500 feet in length in Clark County, Nevada. I coordinated with the client and contractor to understand what needed to be done. I also had to talk with the Clark County on when the temporary traffic control zone can and cannot operate. Once the traffic control plans have been approved, I had to address any agency comments. After the approval of the traffic control plans, I had to constantly keep track of the traffic control plans, so they don't expire during the construction. I also had to contact the contractor, to make sure all the work in the field will be covered by the traffic control plans.

Sky Canyon West Master Traffic Study Update – November 2019 – March 2020

I worked on updating a previously approved master traffic study that was previously approved for a master planned residential community located in the northwest in the City of Las Vegas. The previous master traffic study had changed with updated number of dwelling units and driveway locations to access the individual parcels. I had to update the Vistro model and write the new traffic study report. I had to talk with the various project managers and teams that oversaw the various parcels within the overall community. I've assisted my project manager in determining the location of the project driveways that lead into the individual communities.

Sky Canyon East Traffic Utilities – August 2019 – April 2020

I worked on a set of traffic plans for a master planned residential community located in Las Vegas within the jurisdiction of the City of Las Vegas. I prepared traffic plans using AutoCAD with striping, lighting infrastructure, and signal infrastructure. I had to coordinate with other teams to locate existing electrical pedestal meters to connect streetlights to, and I had to perform calculations to determine the amount of electrical power the streetlights will draw. I had to coordinate with another engineer to include the traffic plans with into a larger set of improvements plans.

Charleston ITS – March 2019 – April 2020

I worked on helping my project manager to design and plan the stages for a temporary traffic control plan that installed intelligent transportation system (ITS) infrastructure within Las Vegas. The project was in the jurisdictions of the Nevada Department of Transportation (NDOT), City of Las Vegas, and Clark County. The ITS infrastructure involved installing cameras, fiber optic cables,

and sidewalk pull boxes. Underman my manager's supervision I helped design a series of corner street closures, single lane closures, sidewalk closures, and pedestrian detour plans. I was involved in addressing any agency comments, and renewals of the traffic control plans upon approval of the traffic control plans.

# STANLEY TAT (16-695-31)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Wood Rodgers  
Nevada (United States)  
Assistant Engineer  
October 2020—July 2021

Verified by  
**Bryan Gant**  
bgant@woodrogers.com

Experience Summary  
**Part-Time**  
**Engineering: 7 months (75%)**  
**Post EAC degree: 7 months (75%)**  
**Experience under licensed engineer:  
7 months**

## TASKS

During my time at Wood Rodgers, I worked as an Assistant Engineer in the traffic engineering department. Building off my previous job experience, I continued to use various traffic analysis software predominately Synchro to perform intersection level of service analysis, queuing, and roadway segment level of service for traffic impact analysis (TIA). Before the start of a TIA, I had to coordinate with my manager for a scope of work, then gather traffic volume data via StreetLight. Additionally, I had to gather crash data and signal timings if they were requested in the scope of work.

I continued to use AutoCAD to prepare traffic plans to connect to striping, sidewalk, curb, and gutter to and from roundabouts and created sight triangles at driveways. While preparing the traffic plans, I had to take into the consideration of the infrastructure that was already designed, so I can properly tie in the striping, sidewalk, curb, and gutter. I had to coordinate with the lead designer to make sure I was properly spacing the curb, gutter, and sidewalk. For sight triangles, I had to consider the curvature of the road, lane width, and speed of the major road.

I've also started to learn about the benefits of big data for increased productivity of traffic studies. During my time at Wood Rodgers, I've learned how traffic data such as traffic counts, segment volumes can now be obtained without reaching out to local agencies. Without the need to reach out for information, a lot of time can be saved without having to wait for a response. With the usage of StreetLight software, I've learned how to obtain peak hour intersection turning movement volumes, street segment volumes, and origin destination data.

## REPRESENTATIVE PROJECTS

### Yosemite Campground Traffic Study – December 2020 – January 2021

I worked on the traffic team to prepare a traffic study for a campsite located Tuolumne County, California adjacent to the town of Big Oak Flat. I had to build a Synchro traffic model for the study intersections per the scope of work to determine level of service. I had to then incorporate the various other traffic volumes from nearby projects that generated vehicle traffic as background data. I had to draw vehicle turning paths using AutoCad to make sure vehicles can safely navigate the campground parking lot. I also drawn in the sight visibility triangles for project driveways. I had to constantly coordinate with my project manager to update the vehicle turning paths due to the constant change of the site plan.

### I-80 Loop Road Roundabout April 2021 – April 2021

I worked on the traffic department to help tie in sidewalk, striping, curb, and gutter into previously designed roundabouts in Reno Nevada using AutoCad. The roundabouts had been previously designed, so my task was to connect all the roadway infrastructure into the roundabout. I had to make sure the width of the curb, gutter, and sidewalk followed standards, and I had to make sure the entry flare into the roundabout would allow vehicle to safely traverse the roundabout. I had to coordinate with the designer to make sure the traffic infrastructure properly tied into the roundabouts.

### US50 Lake Tahoe – February 2021 – Present

I worked on the traffic team to prepare a corridor analysis for a segment of the US50 highway located adjacent to Lake Tahoe in Douglas County, Nevada. Prior to building the model, I had to obtain previous exiting information that related to any proposed improvements along the study corridor. After obtaining the existing projects information, I had to build the Synchro model for the intersections along the study corridor. I had to coordinate with the project manager to obtain the signal timings for the signalized intersection. I had to utilize StreetLight data to obtain peak hour intersection counts, and I also had to obtain segment volumes for the on and off freeway ramps.

### Hidden Grove Development – May 2021 – June 2021

I worked on the traffic team and assisted my project manager in preparing a traffic memo in the town of Loomis within Placer

County, California. The traffic memo was for a new housing development with three project driveways. I had to build the Synchro traffic model, grow the volumes in previously approved traffic study to year 2019, assigned trip distribution, and I had generate project volumes. I had to use Excel to determine if any of the stop-controlled intersections warranted the installation of a traffic signal. I then had to help my project manager work on the traffic memo to summarize the intersection level of service, queue lengths, and warrant results.

## ADDITIONAL INFORMATION



### QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

No



# LARISSA VALLARINO (17-618-57)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL



Applying To  
**Nevada**

Application Type  
**Initial - PE**

Application Date  
**08/11/2021**

Citizenship  
**United States**

## SUMMARY



Engineering Experience  
after EAC degree  
**4 years**

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

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

Disciplinary Action  
**None reported**



## EDUCATION



Associates in Science  
**Western Nevada College**  
**August 2011–May 2014**

Bachelors in Civil Engineering (EAC)  
**University of Nevada, Reno**  
**August 2014–August 2017**



## EXAMS



Fundamentals of Engineering (FE)  
**Nevada**  
**April 2017**

Principles and Practice of Engineering (PE)  
**Civil**  
**Nevada**  
**October 2019**

## LICENSES



Additional Licenses  
**None**

# LARISSA VALLARINO (17-618-57)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Farr West Engineering  
Nevada (United States)  
Engineer in Training  
June 2017—August 2021

Verified by  
**Matt Van Dyne**  
matt@farrwestengineering.com

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

## TASKS

My tasks and duties include preparing construction plans, engineering design calculations, technical specifications, bid documents, and cost estimates. I prepare project drawings using AutoCAD and Civil 3D. Working under professional engineers, I am responsible for ensuring that projects that I am assigned to are compliant with applicable permitting, design requirements, performance standards, codes, and prepared technical specifications. I communicate with clients and project managers to obtain existing utility record documents. I perform preliminary field reconnaissance to determine the location of existing utilities and to identify and provide solutions for any conflicts with my designs. I assist professional engineers with quality control checks on various aspects of project design. I complete and submit necessary county and/or state permitting applications for projects I work on, and I coordinate with the respective permitting entities for project approval once construction is complete. I determine quantities and cost estimates for projects, as well as potential bid alternates and associated costs. I compile and edit contract documents, assist with project bidding, and review contractor submittals. I assist project managers with reviewing contractor change orders for approval, and I incorporate any changes into the project documents. I perform construction inspection/observation when needed and submit daily field reports to the project manager and client. Once construction for a project is finished, I review the contractor and inspector's as-built plan sets and complete record drawings for the client.

## REPRESENTATIVE PROJECTS

City of Yerington Utility Rehabilitation  
Client: City of Yerington, NV  
Date: 2017-Present

Description: Sewer line rehabilitation of nearly 102,000 linear feet and water line rehabilitation of nearly 140,000 linear feet to replace a dilapidated sewer collection system and water distribution system throughout the entirety of the City. Existing sewer collection lines had exceeded their useful life, contained inadequate bury depths, root intrusion, breaks and bends which did not allow for adequate flows throughout the system. Existing water lines had exceeded their useful life, contained inadequate bury depths, breaks, undersized, and inadequate fire flows. All existing property and easement disputes were located and corrected as part of this project.

Role: I was a lead Project Designer for a significant portion of the Project and was responsible with coordination of design for the Project in its entirety. I performed the design and calculations for the proposed water mains and sewer mains. I designed and reviewed plan production that relied on extensive use of AutoCAD Civil 3D pipe networks and profiles. I performed preliminary field reconnaissance to determine the location of existing utilities and to identify/confirm any conflicts to be resolved with my design. I reviewed CCTV sewer videos in order to place existing service laterals in the correct locations on the Project plan sheets. I determined which homes would be included in the Project's runbook for private property construction and completed the design for those sewer laterals and/or water services. I recommended bid alternates and estimated associated construction costs for both water and sewer portions of the Project. I determined project quantities and base bid cost estimates. I compiled contract documents and reviewed contractor submittals. I performed construction inspection and construction management for the Project.

Yerington Paiute Tribe Utility Rehabilitation  
Client: City of Yerington, NV  
Date: 2017-Present

Description: Sewer line rehabilitation of nearly 4,000 linear feet of open trench installation to replace a dilapidated sewer collection system. Existing sewer collection lines contained inadequate bury depths, root intrusion, breaks and bends which did not allow for adequate flows throughout the system. Additionally, half of the existing collection system existed in narrow alleyways in the rear of properties, or in backyards under fence lines. All of the sewer main installed was located within paved roadways which required private property ("assignments" as they are called on the Colony). Water line rehabilitation of nearly 5,000 linear feet of open trench installation to replace a dilapidated water distribution system. Existing water line had exceeded its useful life, was undersized, and did not contain adequate fire hydrants. The project contained two connection points to the City's system that were

located within NDOT right of way.

Role: I designed surface restoration sheets for the plan set and performed quantity estimates for the Project. I reviewed and verified existing utility documentation provided by the City of Yerington and helped incorporate it into the Project drawings.

#### Kingsbury GID US-50 Waterline Replacement Project

Client: Kingsbury GID, NV

Date: 2018

Description: Emergency waterline rehabilitation of approximately 330 linear feet, within NDOT right-of-way, to replace existing waterline that experienced failure when storm events eroded all ground cover. The exposed pipe experienced freezing conditions, and the material (ACP) could not withstand the exposure, ultimately failing.

Role: Project Designer/Manager for design of proposed water main location. I reviewed record documents and determined where existing utilities were in the Project area. I coordinated with the NDOT records office to map out their limits of right-of-way. I completed permitting documents and coordinated Project approval with NDEP and NDOT. I compiled and edited contract documents for the bidding process, reviewed contractor submittals, assisted with construction management, and completed monthly invoices for the Project. I reviewed contractor change orders and incorporated approved change orders into monthly payment applications. I performed night-work inspection for the Project during the final stages of construction. I observed the contractor install the final sections of C900 PVC pipe and perform Bac-T testing and pressure testing for the new waterline. I shadowed a Principal Engineer as a mentor, ensuring constant coordination with the Owner, Contractor, Permitting Entities, and Project Inspectors throughout the duration of the project. I completed record drawings once the finished Project was accepted by NDOT inspectors.

# LARISSA VALLARINO (17-618-57)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

Yes, Minor consumption at age 15, petty theft and possession of marijuana at age 16. No misdemeanors were charged as an adult.

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

No

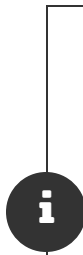
# Electrical

# MATTHEW BODGE (17-162-01)

All work experience reviewed by two licensed professionals

DISCIPLINE: ELECTRICAL

## GENERAL



Applying To  
**Nevada**

Application Type  
**Initial - PE**

Application Date  
**08/18/2021**

Citizenship  
**United States**

## SUMMARY



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

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

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

Other Experience  
**4 years, 6 months**

Disciplinary Action  
**None reported**



## EDUCATION



Non-degree  
**Military Education**  
**September 2004–May 2006**

Bachelors in Electrical Engineering (EAC)  
**University of Nevada, Reno**  
**January 2013–May 2018**



## EXAMS



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

Principles and Practice of Engineering (PE)  
**Electrical & Computer**  
**Nevada**  
**June 2021**

## LICENSES



Additional Licenses  
**None**

# MATTHEW BODGE (17-162-01)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

United States Armed Forces - Navy  
Nevada (United States)  
Nuclear Electricians Mate 3rd Class  
January 2003—January 2007

Verified by  
**Norman Alex Ferguson**  
normferg@gmail.com

Experience Summary  
**Full-Time**  
**Engineering: 1 year (25%)**  
**Experience under licensed engineer:**  
**None**

## TASKS

SSTG Drill Supervisor (% time on non-engineering tasks: 75%):

In charge of ships service turbine generators (SSTG) during casualty drills. Responsible for documenting the SSTG watch's ability to perform required immediate actions and step in if the watch is about to act in a manner that would cause further casualties and/or damaged equipment.

Electrical Operator (% time spent on non-engineering tasks: 75%): Responsible for monitoring and manipulating the electrical distribution system for an aircraft carrier. Normal tasks included transferring load, bringing up or down load-centers for maintenance, and paralleling generators. Had to demonstrate and perform the correct immediate actions to various casualty drills.

SSTG Watch (% time spent on non-engineering tasks: 90%):

Responsible for monitoring, taking logs, and performing immediate actions on SSTG's during normal and emergency operations. Responded flawlessly to numerous drills and casualties.

Throttleman (% time spent on non-engineering tasks: 100%):

Responsible for coordinating propeller control with 3 other throttleman in real-time; taking action on 1 of the 4 specific throttles assigned in conjunction with the other 3 to steer the ship.

Log recorder (% time spent on non-engineering tasks: 100%):

Relay information flawlessly between pertinent parties.

Maintenance personnel (% time spent on non-engineering tasks: 50%):

I performed maintenance and repairs to electrical distribution system equipment on a daily basis that gave me real-world hands-on experience with the equipment I now specify for projects. This has been very valuable in solidifying my understanding of theory and required a great level of attention to detail as well as stressing the importance of safety. I have found these skills extremely useful and required as an engineer. I would often specify wire sizes, analyze schematics & specifications, perform voltage drop calculations, perform fill calculations, and place into operation electrical equipment.

## REPRESENTATIVE PROJECTS

Project Name: Nuisance Tripping of SSTG Coolant Pump #1

Project Location: John C Stennis CVN (Carrier, Fix Winged Aircraft, Nuclear) 74

Scope: Determine the cause of nuisance tripping of SSTG #1 coolant pump.

Date: 2004

Title: Petty Officer 3rd Class

I reviewed existing one-line diagrams and schematics to properly lockout and tagout the affected equipment. I reviewed Time Current Curves to determine that someone had incorrectly set the overcurrent protective device instantaneous trip setting. Using the locked rotor current based on NEMA code and motor size, I directed others to adjust the instantaneous trip setting to the correct value.

Project: Replacement of Carbon brushes in Ships Service Motor Generator (SSMG)

Project Location: John C Stennis CVN 74

Date: 2005

Title: Petty Officer 3rd Class

Scope: Perform routine preventative maintenance to SSMG by replacing carbon brushes.

I reviewed existing one-lines and schematics to properly lockout and tagout the motor-generator. I performed a review of carbon brush and motor-generator technical specifications to determine the correct size and orientation of carbon brushes. I directed the

installation and seating procedures of carbon brushes.

Project: Motor Replacement

Project Location: John C Stennis CVN 74

Date: 2004-2007

Title: Petty Officer 3rd Class

Scope: Replace various motors as needed within the plant.

I reviewed existing one-lines and schematics to properly lockout and tagout the system. I performed conductor sizing calculations, voltage drop calculations, and conduit fill calculations. I reviewed motor specifications to verify the correct type and size. I hooked up the terminal leads and incorporated the control switches into the starter circuitry. I made the correct identification of 3 phase leads to avoid phase reversals.

Project: Motor Vibration Analysis

Project Location: John C Stennis CVN 74

Date: 2004-2007

Title: Petty Officer 3rd Class

Scope: Collect vibration analysis data on most motors part of the secondary system.

I took reading and collected metadata from motors for a motor vibration analysis software. Reviewed and compared historical data and trends to identify failing motors or motors in need of service. I correctly identified bearing issues and mounting issues on multiple motors.

Project: Qualification for watches and duties

Project Location: John C Stennis CVN 74 and Prototype

Scope: Qualify for various duties, tasks, and responsibilities

Date: 2003-2007

Title: Petty Officer 3rd Class

I reviewed system manuals and specifications to learn the required information to qualify for a watch or duty. For example, to qualify for SSTG Drill Supervisor I had to learn everything about the SSTG system and how it is incorporated into the overall plant. From the steam-driven turbine shaft to how it is incorporated into the 4160V electrical distribution system. This required in-depth knowledge and would have to be confirmed through a series of oral and written exams/checkouts.

Qualifying as Electrical Operator required in-depth knowledge of operating the electrical plant. I learned how the distribution plant was connected through analysis of one-lines, as-builts, and specifications. I manually paralleled large generators but monitoring and adjusting phasing, voltage, and frequency. I balanced loads as needed depending on what equipment is off-line in the plant. I memorized immediate actions for casualties by reviewing operating procedures and casualty books. I performed immediate actions as needed based on casualties set out by the drill team.

Project: Routine preventative maintenance

Project Location: John C Stennis CVN 74 and Prototype

Scope: Perform routine maintenance on plant equipment

Date: 2003-2007

Title: Petty Officer 3rd Class

I suited up in proper PPE, I racked out switchboard breakers, I performed insulation tests, I evaluated time-current curves and replaced fuses, I evaluated time-current curves and replaced breakers, I performed maintenance and cycling of motor-operated valves, I checked fuses for correct size by reviewing system specifications and equipment nameplates, I routed and installed electrical raceways, I sized conductors, I performed load calculations, I balanced loads.



# MATTHEW BODGE (17-162-01)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Quality Painting and Maintenance  
Nevada (United States)  
Industrial Sandblaster and Laborer  
January 2008—January 2017

Verified by  
**Robert Warner**  
BWarner@qualitypands.com

Experience Summary  
**Part-Time**  
**Other: 4 years, 6 months (50%)**  
**Experience under licensed surveyor:**  
**None**



### TASKS

Approximately 5% of work performed would relate to engineering.

Commercial sandblasting and painting of water tanks to meet specifications set out within the contract documents. Tank sizes ranged from ten's of thousand up to 2 million gallons.

Operation of heavy equipment.

Managing work sites.

Direct interaction with city officials, inspectors, and engineers.



### REPRESENTATIVE PROJECTS

Multiple jobs required the removal of water tank coatings through sandblasting. This often required setting up temporary power at site for the dehumidifiers and other appurtenances.

Every job required a careful review of specifications and stamped engineer drawings.

# MATTHEW BODGE (17-162-01)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Farr West Engineering  
Nevada (United States)  
Electrical EIT II  
May 2018—August 2021

Verified by  
**Gregory M Lyman**  
Greg@farrwestengineering.com

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

## TASKS

Electrical distribution system and controls design, drafting, and specifications for wastewater systems, groundwater systems, pipelines, tank sites, remote sites, towers, control vaults, and irrigation systems.

The sheets I have drafted and designed include Power Plans, Lighting Plans, Site Plans, Grounding Plans, Control Plans, Special System plans, Legends and Abbreviations, One-Lines, Panel Schedules, Conduit & Wire Lists, Hazardous Classification Profiles, Elevations, Wiring Diagrams, Input-Output diagrams, P&IDs, Details, General Notes, and Riser Diagrams.

To properly design these systems and sheets, I performed short circuit analysis, IECC compliance checks, arc flash hazard evaluations, protective device coordination, voltage drop calculations, conduit fill calculations, capacity evaluations, utility coordination and application, raceway material and code evaluations, code review and compliance checks, real and reactive power calculations and summations (including power factor and angle), applying modifiers as required by code, derating as necessary, photometrics, material and installation considerations, hazardous installation compliance, caustic/corrosive installation compliance, metallurgy (dissimilar metals and materials), and harmonic mitigation.

Specific components that have been specified and included in drawings would include, but not limited to, standby generators, power meters, automatic & manual transfer switches, switchboards, motor control center, motor drives of all types, conductors, instrumentation, electromechanical control panels, lights, solar panels, inverters, rectifiers, transformers, capacitors, relays, contacts, reactors, DV/DT filters, surge protection, housekeeping pads, ductbanks, vaults, pullboxes, etc.

Additionally, tasks and duties included developing and creating control descriptions for wastewater and groundwater systems.

Developing and creating panel fabrication drawings for control enclosures associated with lift stations, wastewater treatment plants, wells, tanks, pipelines, and other pumping facilities (RTU).

Developing and creating reports for Arc Flash Hazard evaluations, Short Circuit studies, Protective Device Coordination, Electrical system capacity evaluations, NEC 70 and NFPA 70E compliance.

Modeling electrical systems and sequence networks; running scenarios to evaluate symmetrical and unsymmetrical fault duties.

Project Management and Construction Management duties.

## REPRESENTATIVE PROJECTS

Type: Ground Water System

Project: Well 21

Scope: Design a well for the TRI GID

May 2018 - Mar 2019

I assisted in the design, drafting, and project management of a 600A, 277/480V, 3-Phase, 4-Wire electrical distribution system to operate a 250HP well pump controlled by a VFD. This design included a well house and required special consideration to effectively reduce harmonic distortion within IEEE 519-2014 limits. The design included an ultra low harmonic VFD with an active front end, a switchboard with manual transfer switch, and quick-connect camlocks for easy mobile generator hookup in the event of a power failure. SCADA, Input/Output, and instrumentation were also a large part of this design. Other similar projects included caustic/corrosive environments installations, outdoor installations, and retrofitting.

Other similar projects:

Well No. 6 (Sep 2018- Sep 2019)  
Tri GID Well No. 8 (May 2018- Aug 2018)  
Tri GID Well No. 7 (Jun 2018- Dec 2018)  
Well #2 Arsenic Treatment Plant (Aug 2018- Jan 2019)  
Mcdermitt Arsenic Removal Plant (Oct 2019- Sep 2020)  
Swan Lake Dewatering Project (Aug 2019- Oct 2019)

Type: Wastewater Treatment Plant  
Project: MCC 12 & 24 Replacement  
Scope: Replace and update MCC 12 & 24.  
Dec 2019 - Apr 2020

I designed, specified, and drafted the replacement of two aging motor control centers within a wastewater treatment plant. Due to the nature of the facility, this retrofit took special consideration and coordination between contractor, engineer, and owner to make sure temporary power was set up and critical loads were restored within allotted time frames mandated by operations during cutover. Additionally, the Distributed Control System required special instructions to make sure instrumentation was restored as quickly as possible when installing a new remote process control unit.

Other similar projects:  
MCC 7,8,9 Replacement Project (Dec 2019-Apr 2019)  
MCC 16&17 Replacement Project (Dec 2020-Feb 2021)

Type: Waste Water System  
Project: TRI Effluent Pump Station  
Scope: Planning, design, and construction of a 24" diameter 16-mile pipeline and pump station.  
Apt 2019 - Oct 2020

I designed, specified, and drafted a 3000A, 277/480V, 3-Phase, 4-Wire electrical distribution system capable of operating an effluent pump station with five 400HP vertical turbine pumps and appurtenances. This design was adding an additional facility to an existing wastewater treatment plant, but providing new utility service. Relocating and classifying the propane filling station was included in this design as well. Other similar projects included caustic/corrosive installations, standby generators, and H-4 hazardous installations.

Other similar projects:  
TMWRF Effluent Water Main (Dec 2018-Sep 2019)  
TRI Reservoir Pumping Facility (Feb 2021-Present).

Type: Electrical Studies and Reports  
Project: TMWRF Arc Flash  
Scope: Perform an Arc flash hazard evaluation that includes a short circuit study and protective device coordination evaluation on the entire wastewater treatment plant.  
Oct 2019 - Jun 2020

I performed a plant-wide short circuit analysis, protective device coordination, and arc flash hazard evaluation at the largest wastewater treatment plant in the Reno/Sparks area. This project required building the one-lines from scratch and modeling an entire electrical distribution system that included 40 motor control centers, 10 switchboards, 4 switchgear, and over 60 distribution and lighting panels. Attention to detail and thorough data collecting was absolutely necessary to gather all the necessary information. I would estimate over 120 arc flash labels using the incident energy method were issued and applied in the field. With such a large system it required organizing and comparing 100's of time-current curves to achieve an optimal balance between safety and coordination.

Other similar projects:  
TMWA PCE Arc Flash (Jan 2019- Jun 2019)  
PID Arc Flash (Sep 2020- Apr 2021)  
TRI GID Arc Flash (Mar 2021- July 2021)  
Rolling A WWTF (May 2020- Present)

Type: Waste Water System  
Project: Lift Station #2A  
Scope: Replace Lift Station #2 and decommission Lift Station #3A.  
Jun 2020 - July 2021

I designed, specified, and drafted a 400A, 277/480V, 3-Phase, 4-Wire electrical distribution system capable of operating a lift station with two 60HP submersible pumps, odor system, jockey pump, well house, and appurtenances. This design included an automatic transfer switch, standby generator, service entrance switchboard, control panels, detailed P&IDs, hazardous installations, and a SCADA system.

Other similar projects:

Aspen Creek Rapid Infiltration Basins (Oct 2020- Jul 2021)  
Safe Camp (Jun 2021- Present)

# MATTHEW BODGE (17-162-01)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Control Systems, Electrical (Power), Fire Protection

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

No

# MATTHEW BODGE (17-162-01)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### TIME GAPS

Start Date	End Date	Reason	Explanation
02/2007	12/2007	Unemployed	Just got out of the military and had savings. Decided to catch up with family and friends while figuring out if I would activate my G.I. Bill and start school or go get a job.

# LEONEL MARTINEZ (13-372-83)

All work experience reviewed by two licensed professionals

DISCIPLINE: ELECTRICAL

## GENERAL



Applying To  
**Nevada**

Application Type  
**Initial - PE**

Application Date  
**08/30/2021**

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**

Other Experience

Disciplinary Action  
**None reported**



## EDUCATION



Bachelors in Electrical Engineering (EAC)  
**University of Nevada, Las Vegas**  
**August 2007–December 2011**

## EXAMS



Principles and Practice of Engineering (PE)  
**Electrical & Computer**  
**Nevada**  
**April 2015**

Fundamentals of Engineering (FE)  
**Nevada**  
**October 2011**



## LICENSES



Additional Licenses  
**None**

# LEONEL MARTINEZ (13-372-83)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

*PRO Unlimited*  
*Nevada (United States)*  
*PI Web Administrator*  
**May 2012—April 2013**

*Verified by*  
**Leonel Martinez (Self)**

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



### TASKS

I was tasked to do general Information Technology support and to assist in implement new applications regarding OS/soft products.



### REPRESENTATIVE PROJECTS

Plant Information Display  
September 2012

I designed a new generation plant display and installed a new workstation to provide access for the display.



# LEONEL MARTINEZ (13-372-83)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

DCR Workforce  
Nevada (United States)  
PI Web Administrator  
April 2013—April 2014

Verified by  
**Leonel Martinez (Self)**

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



### TASKS

I was tasked to do general Information Technology support and to assist in implement new applications regarding OS/soft products.



### REPRESENTATIVE PROJECTS

External Data Interface  
December 2013

I implemented the servers and the PI-to-PI interface to an external utility that required access to data.

# LEONEL MARTINEZ (13-372-83)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

NV Energy  
Nevada (United States)  
Associate ESCC System Specialist  
April 2014—May 2017

Verified by  
**Leonel Martinez (Self)**

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



### TASKS

I was tasked to provide general technical operations support that included hardware and software. The primary role consisted of updates to EMS databases and the other applications when required.



### REPRESENTATIVE PROJECTS

EMS consolidation to one system

June 2016

I provided a training to other coworkers, on one line diagram implementations. I was tasked to clean up and correct the lower voltage information in the Southern Nevada region when merged with the single system.

# LEONEL MARTINEZ (13-372-83)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

NV Energy  
Nevada (United States)  
Distribution Planning Engineer II  
May 2017—November 2017

Verified by  
**Mark Leeland Skrable**  
Mark.Skrable@nvenergy.com

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



### TASKS

I utilized my electrical engineering background to conduct analysis and verification for additional residential and customer loading for, the Northern Nevada region. My responsibilities were to verify that the additions did not exceed the substation feeder capacity and planned future substation additions to compensate for planned load growth.



### REPRESENTATIVE PROJECTS

Distribution peak load analysis workbook – Implemented new analytics gathering tool to collect peak loading on specific feeders  
June 2017 - August 2017

As the technical lead engineer for this project, I was tasked to design and implement a new peak feeder loading data retrieval system using PI Historian database. I calculated the peak power throughout a selected time frame, then provided the current of a distribution feeder based on the results. The resulting data was also used to model feeders in our power flow application.

# LEONEL MARTINEZ (13-372-83)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

NV Energy  
Nevada (United States)  
System Protection Engineer II  
November 2017 – August 2021

Verified by  
**Robert - DerAshodian**  
robert.derashodian@nvenergy.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

I utilized my electrical engineering background to analyze and design substation protection schemes for internal and inter-tie connections. I mentor newer engineers in design and best practices. I improve and expand the short circuit model for projects and corrections. Improve and create relay standards.



### REPRESENTATIVE PROJECTS

Eagle Shadow Mountain to Reid Gardner PV Solar Generation Inter-tie – Implemented transmission line protection on a PV Solar Generation Tie line  
Jan 2020 - April 2021

As the lead system protection engineer, I gathered information to model the new site and line and added a data aggregator to provide telemetry data to the RTU. I analyzed the shot circuit model at the NV Energy substation. I designed and completed settings for the line protection scheme between the 2 sites.

Swenson Substation Automatic Restoration Ring Bus- Implemented distribution transformer restoration scheme due to transformer fault

Jan 2019 - October 2019

As the lead system protection engineer, I gathered information and designed the automation logic to incorporate a new transformer to the design. The scheme would restore the substation distribution feeders if a fault in a transformer occurred and restore the load bearing feeders to the left-over capacity of the substation. I identified the equipment that would be participating in the automatic restoration of load scheme and implemented the design.

Monorail Shoo-fly - Implemented and updated line protection schemes on old sub-transmission lines

March 2018 - April 2019

As the lead system protection engineer, I reviewed the existing information, analyzed the existing design, and implemented an update to the existing line protection schemes. I verified the existing line properties and added the new line impedances to the existing short circuit model.

# LEONEL MARTINEZ (13-372-83)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Electrical (Power)

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**


No

# CALEB OSBORNE (17-448-23)


All work experience reviewed by two licensed professionals





DISCIPLINE: ELECTRICAL

## GENERAL

 Applying To **Nevada**  
Application Type **Initial - PE**  
Application Date **08/25/2021**  
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 Electrical Engineering (EAC)  
**Eastern Washington University**  
September 2013–June 2016

## EXAMS

 Fundamentals of Engineering (FE)  
**Nevada**  
March 2018  
Principles and Practice of Engineering (PE)  
**Electrical & Computer**  
**Nevada**  
April 2019

## LICENSES

 Additional Licenses **None**

# CALEB OSBORNE (17-448-23)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

US Navy  
Nevada (United States)  
Construction Manager/Engineer  
June 2017—June 2019

Verified by  
**Travis Rea Myers**  
travis.r.myers@gmail.com

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



### TASKS

1. Construction Manager (80% on my time)
  - Managed the design and construction of many projects up to \$30M and provide review and feedback on multiple design only contracts, design/construction contracts, and construction only contracts.
2. Safety Officer (7% of my time)
  - Developed site safety plans for office workers and personnel who went into the construction field.
  - Developed emergency action plans for the public works teams.
3. Airfield Construction Coordinator (7% of my time)
  - Developed schedules and coordinated with the airfield manager and other commands to determine proper execution of construction projects over the two runways to ensure they did not impact the mission being performed. Keeping in mind proper disposal of all construction material and keeping the airfield clean and safety while trenching and running electrical for lighting.



### REPRESENTATIVE PROJECTS

1. This project was to construct a new 21,062 square foot, single story reserve center at NAS Fallon, NV. Project provides administrative space, medical unit areas and a drill hall. Review of the contract started in JUN 2017, award of contract in AUG 2017 and contract continued through JUN 2019. Contract total was \$14.8M.
  - I organized design meeting with the contractor, reviewed design drawings and specifications, and verified code compliance.
  - I also coordinated the utility outages, validated construction schedules, and managed the construction of the entire building.
  - I calculated the cost of modification to the contract and determined reasonable ways forward to mitigate cost and meeting the required specs of the contract.
  - I developed the language to execute modification and other changes to the design of this project to ensure that all the requirements were met. For example, when the contractor wanted to put the front of the building facing the parking lot vice the main road, I worked to develop a plan to have the building have two entrances that still did not interfere with the needs of the building tenant.

# CALEB OSBORNE (17-448-23)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

US Navy  
California (United States)  
Assistant Public Works Officer  
July 2019—August 2021

Verified by  
**Brian William Christner**  
brian\_christner@yahoo.com

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

### TASKS

#### 1. Assistant Public Works Officer

- Action officer that take problems and determines the best way to solve those problems. Analyzing the cost and mission impact to incidents throughout base and and taking calculated risk to meet the issue with a solution that will be the best for the navy.
- Identifying safety issues that may cause harm to personnel or damage to facilities. Taking these issues and developing a way forward that not only eliminates the personnel risk but also allows the operation/mission to move forward.

### REPRESENTATIVE PROJECTS

#### 1. Lead Engineer on Unforeseen Power Outages in a fully operational military port.

- This issues started April 2021 and continued for a month. This issue damaged ships and caused concerns for the safety of personnel. I was in charge of analyzing the processes and the electrical system to determining the cause. After many visits to the site and discussions with electricians and our utility manager I analyzed that the most likely cause was lack of maintenance, aging switchgear and non-specific operation procedures.
- For the aging switchgear, I organized and analyzed a complete teardown of the system, from the cables that connect to the ships to the the switchgear and transformer that supplies the 480V/400A power. I was the lead electrical engineer on this project and identified the problems at hand and developed ways to move forward smartly. This took some time and was just completed in July 2021. After the maintenance was completed my team and I borrowed a load bank from one of our commands on base and tested the system to make sure it could held load at 80% on each of the 12 400A circuit breakers.
- For the operation procedures, I led coordination with our utility management team and our ship to shore connection team to develop some specific courses of action. I developed operational procedures that added items that would better check the system intermittently during the time a ship was connected. The base provided each ship with 10 cables (each 400A) to assure that the ship had adequate, if not more than enough, power to perform all the testing they would be doing during their time on shore power.
- After these processes and maintenance was implemented/completed we connected the first ship and had no issues. I was the lead engineer and supervisor of this first connection and gave the go-ahead for the ship to be connected, checking that all safety precautions were in place and no procedure was overlooked. As of today the system is function properly and as it was designed. I also went further and analyzed the other wharves around the base and determined some of the same anomalies and are performing similar improvements.

#### 2. Outage coordination and emergency response.

- Over the last two years (July 2019 - now) I have responded to numerous emergencies through the base, many power outages, flooding, house fire, falling trees on facilities. During many of these operations I was in charge and leading the effort to determine solutions that kept personnel out of harms way and stopped further damage to facilities. I lead the team by analyzing the problems and provided feedback to the electricians and making sure it met the proper engineering standards. During the power outages I developed a plan for the electricians to determine the cause of the outage, whether that was wind, broken branches, outage off base, etc. Once my team and I determined the cause I designed a plan based on which building were the most critical and how to bring the system up to power safely to mitigate further damage to the electrical grid.



ADDITIONAL INFORMATION



QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil, Electrical (Power)

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

No

# CALEB OSBORNE (17-448-23)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### TIME GAPS

Start Date	End Date	Reason	Explanation
06/2011	08/2013	Unemployed	I was at a community college (Columbia Basin College) in Pasco, WA getting my Associates in Science and Technology degree.
07/2016	05/2017	Unemployed	I was training to become an Officer in the US Navy. This training took place through this time period.

# NATHAN SUNDSTED (16-291-54)

All work experience reviewed by two licensed professionals

DISCIPLINE: ELECTRICAL

## GENERAL



Applying To  
**Nevada**

Application Type  
**Initial - PE**

Application Date  
**08/16/2021**

Citizenship  
**United States**

## SUMMARY



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

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

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

Disciplinary Action  
**None reported**



## EDUCATION



Bachelors in Electrical Engineering (EAC)  
**Montana State University, Bozeman**  
**August 2012–May 2016**

## EXAMS



Fundamentals of Engineering (FE)  
**Montana**  
**January 2016**

Principles and Practice of Engineering (PE)  
**Electrical & Computer**  
**Montana**  
**January 2021**



## LICENSES



Additional Licenses  
**None**

# NATHAN SUNDSTED (16-291-54)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Power Engineers, Inc.  
Montana (United States)  
Substation Engineer  
June 2016—August 2021

Verified by  
**William Joel Lankutis**  
joel.lankutis@powereng.com

Experience Summary  
**Full-Time**  
**Engineering: 5 years, 2 months**  
**Post EAC degree: 5 years, 2 months**  
**Experience under licensed engineer:**  
**3 years, 6 months**

## TASKS

As an electrical engineer at POWER Engineers, my primary role has been in protection and control for substation applications. In this role, I was tasked with completing all aspects of protection and control design for numerous clients across a variety of clients.

Protection and Control (P&C) Engineer (I-III) responsibilities:

I developed all P&C drawings, including one-line diagrams, automatic reclosing operation diagrams, three-line diagrams, DC schematic diagrams, control building layout drawings, panel front view drawings, panel wiring diagrams, yard equipment wiring diagrams, communication diagrams, fiber connection drawings, AC/DC supply drawings, and cable schedule drawings. This required coordination between different disciplines and roles internally, from drafters to project engineers.

I developed all P&C calculations, including DC battery/charger sizing calculations, AC station service calculation, voltage drop calculation, and conduit fill calculation. I was responsible for checking other engineer's calculations for accuracy and correctness.

I recommended and ordered various electrical equipment, including pre-fabricated control buildings, relay and metering panels, AC and DC panelboards, fiber distribution cabinets, control/alarm/power cable, and fiber equipment.

I checked the continuity between schematic and wiring diagrams for various projects as part of POWER's QA/QC process to ensure quality and accuracy of finalized drawings.

I developed scopes and budgets for various projects and clients. This included brainstorming various substation applications to best accommodate the client's needs. I identified various types of protection, communication, and telecom requirements to meet the clients standards and expectations.

I trained and mentored new engineers, designers, and engineering interns. This was accomplished with on the job training, with specific questions about their particular project being asked. Also conducted power point presentations for various substation topics (~15% of total time).

## REPRESENTATIVE PROJECTS

Mitsubishi Electric Power Products, Inc., MEPP/IEP Lotebush STATCOM, Texas (2018-2021)

I designed a new 100MVAR STATCOM tapped off of a line position at the 138kV Lotebush Substation as the primary P&C engineer. This STATCOM yard includes two 138/20.8kV transformers in parallel, a 20.8kV bus/ground bank, and the 20.8kV STATCOM branch connected in a delta configuration. I designed two 138/20.8kV transformer protection panels, RTAC panel, STATCOM branch panel, RPC and metering panel, signal exchange panel, RTU, FDC, and telecom panel. I coordinated between multiple parties, including MEPP/IEP, AEP, and Burns and McDonnell for interface points between the 138kV Lotebush Station and the STATCOM yard.

American Electric Power, Stone Substation, Kentucky (2018-2020)

I designed and improved a new 138/69/46kV station to replace the existing substation as the primary P&C engineer. The scope of work included four new circuit breakers and line relaying protection panels. Additionally, a 138kV bus protection panel, 138/69/46kV transformer protection panels, RTU, FDC, and telecom panel were included within the new DICM. I designed the new AC and DC systems at the station, as well as all required calculations.

American Electric Power, 345kV Clear Crossing/Riley Reactor Install, Texas (2017-2019)

I designed a new 345kV reactor bay, one at Clear Crossing and two at Riley Substation as the primary P&C engineer. Each

reactor bay contained a circuit switcher, circuit breaker, and motor operated disconnect switch, which are controlled across three protection and control panels. Both stations required a new FDC and RTU panel. Additionally, two new station service transformers, an automatic transfer switch, and a freestanding AC panelboard were added at Riley, as well as a new DC distribution cabinet and freestanding DC panelboard, which I designed. I mentored and reviewed a sister reactor project called Edith Clarke, designed by a younger engineer in the office to check consistency and accuracy between projects.

American Electric Power, Somerton Substation, Ohio (2017-2019)

I designed a new 69kV circuit breaker and line relaying package. The scope of work included the replacement of the existing RTU and telecom racks, which required all station alarms to be rerouted to the new equipment. I recommended alternative solutions to the client, and provided timely construction support during a limited outage time.

American Electric Power, West Bellaire Substation, Ohio (2017-2019)

I designed a 138kV breaker-and-a-half scheme as the primary P&C engineer. This included four circuit breakers and one line relaying protection panel. The scope of work also included reconnecting an existing transformer as a double breaker double bus configuration, and replacing the breaker and line protection for the 69kV yard. A new DICM expansion was used, which contained all protection and control panels as well as a new FDC and freestanding DC panelboard.

American Electric Power, Military Highway, Texas (2016-2018)

I designed a 138kV circuit breaker control and line relaying protection as the primary P&C engineer. Additionally, a new metering panel, RTU panel, MOS control panel, and a STATCOM circuit breaker control panel were installed. The second project at Military Highway consisted of installing a new uninterruptible power supply (UPS) for the existing STATCOM at the station to improve reliability of the device. I ordered missing material to meet the set construction schedule.

American Electric Power, Mayo Road Telecom Legacy Project, Oklahoma (2016-2017)

I designed and upgraded AEP's substation monitoring equipment from outdated analog and digital technology to modern metering equipment as the primary P&C engineer. This included installing new RTU and IO Rack, which required all station alarms to be rerouted to this new equipment. I upgraded the existing battery charger and installed a new DC distribution cabinet and panelboard. I provided construction support as needed while working under an aggressive schedule.

# NATHAN SUNDSTED (16-291-54)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Electrical (Power)

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

No


# Environmental

# DAVID DRAGON (13-626-49)


All work experience reviewed by two licensed professionals





DISCIPLINE: ENVIRONMENTAL

## GENERAL


 Applying To **Nevada**  
Application Type **Initial - PE**  
Application Date **06/30/2021**  
Citizenship **United States**

## SUMMARY


 Engineering Experience after EAC degree **4 years, 1 month**  
Total Engineering Experience **4 years, 1 month**  
Experience under licensed engineer **2 years, 4 months**  
Disciplinary Action **None reported**

## EDUCATION

 Bachelors in Environmental Engineering (EAC)  
**University of Nevada, Reno**  
August 2008–December 2012

## EXAMS

 Fundamentals of Engineering (FE)  
**Nevada**  
April 2012  
Principles and Practice of Engineering (PE)  
**Civil**  
**Nevada**  
April 2018



## LICENSES

 Additional Licenses **None**



# DAVID DRAGON (13-626-49)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Freeport-McMoRan Inc.  
Arizona (United States)  
Environmental Engineer  
January 2013—September 2015

Verified by  
**Natalie Natalie Nunez**  
Nunez.natalie@gmail.com

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

## TASKS

My tasks and duties were to manage or assist in management of the following:  
I implemented and reviewed Title V Air Permits as required under the Clean Air Act.

I completed the Toxic Release Inventory (TRI) for the Sierrita mine as required under the Emergency Planning and Community Right-to-Know Act. I gathered operational data of systems subject to TRI, and identified material usage and waste material produced. I calculated the total toxic release of each system and determined if the mine operation was in compliance with TRI requirements.

I inspected and assisted in managing the Morenci on-site waste water treatment facility. I assessed the condition of existing treatment systems. I designed a bar screen system that was installed upstream of the treatment facility to reduce burden on the existing screening system. I assessed the feasibility of the containerized wastewater treatment facilities as an alternative to the existing system as the mine intended on moving the existing facility for mining purposes.

I developed and managed several environmental data systems including the Environmental Management System (EMS), Sustainable Development System (SDS) and the Global Reporting Initiative (GRI) program.

I performed routine onsite environmental inspections of mine facilities under the internal environmental auditing program. During an inspection, I evaluated the systems and controls in place to ensure compliance with all regulatory requirements, program standards, and internal corporate policies.

I performed Environmental risk assessments for proposed mining expansion projects.  
I acted as the environmental liaison for multiple mining facilities and departments.

The percentage of engineering work completed during my employment with FMI was 60%

## REPRESENTATIVE PROJECTS

Title of "Environmental Engineer" was a non-professional title. Freeport-McMoRan Inc. (FMI) does not utilize professional engineers (PE) within their environmental departments as licensure is not required for the work being performed. Because of this, I reported to staff that held the title of Senior Environmental Scientist. While I was not under the direct supervision of a PE, the work I completed during my 32 months of employment with FMI directly relates to subject matter within the environmental engineering field, including air emissions, toxic releases, waste water management, and general environmental management. As such, I petition that my work experience with FMI be counted towards 2 of the 4 years required for licensure.

During the first 19 months of my employment with Freeport-McMoRan Inc. (FMI), I was assigned to the Air Quality Division at the Morenci Mine located in Arizona. I assisted in maintaining and implementing the Title V Air Quality Operating Permit for the Morenci Mining Operation, as well as ensuring that the mine operated in compliance with applicable State and Federal regulations. This included permit review, monitoring of emission control devices, maintaining and updating permit required records, managing stack tests and performing visible emission observations.

I familiarized myself with the process flow of each operating system within the or refining operations, how each process interacted with the material being refined, and how emissions for each process were being controlled. I inspected and evaluated the emission control systems utilized for controlling dust emissions between conveyor transfer points and crushing systems, water trucks for managing dust from haul roads, and various Best Management Practices for minimizing the potential to emit.

I was also involved with managing the onsite waste-water treatment facility, including overseeing maintenance requirements and

evaluating potential expansion projects. I developed a feasibility for the installation of a modular waste water treatment facility to replace the existing facility. Additional responsibilities included providing training regarding Environmental requirements to onsite personnel, maintaining the on-site environmental management and performing periodic on-call duties for responding to an environmental event that occurred in the mine after regular business hours.

I assisted with managing the Toxic Release Inventory (TRI) program, Global Reporting Initiative (GRI) program, Environmental Management System (EMS), Sustainable Development System (SDS) and the Environmental Compliance Audit System for the Sierrita Mine located south of Tucson, AZ. These programs and systems were implemented either because they were a requirement of State or Federal Regulations, were stipulated within an Air Quality Operating Permit, were required by the ISO 14001 standards or were a policy developed internally by FMI. For each system, I was tasked with gathering operational data, developing meta-data based on the materials used in the systems and subsequent potential waste products, performing calculations necessary to ensure all operations were meeting all State/Federal/ISO standards, and perform internal inspections of facilities and systems. For the TRI program, I participated in an internal audit of the 2014 TRI submission for the Bagdad Mine also operated by FMI.

I also assisted with developing risk matrices for determining the environmental impact of a significant expansion of the mining operation that at the time was being planned. I researched the historical environmental impact that previous expansion projects had encountered, how those impacts were eliminated or mitigated, and identifying each potential environmental impact that may be encountered. Once an exhaustive list of potential environmental impacts had been identified, I applied a 4x4 risk matrix that evaluated each potential impact based on a on the severity of the impact vs. the likelihood that the impact would occur. Once each impact had been evaluated and mitigation options had been identified, I presented the findings of the analysis to the mine management team as well as corporate FMI environmental staff, who then determined what mitigation methods were appropriate for each potential environmental impact.

# DAVID DRAGON (13-626-49)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

American Samoa Power Authority  
American Samoa (American Samoa)  
Waste Water Engineer II  
October 2015—June 2017

Verified by  
**Jason Alan Jaskowiak**  
jjaskowiak7@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 performed a detailed assessment of the wastewater collection system. I verified that the system had been accurately mapped and inventoried, and revised the the system layout when discrepancies or missing assets were identified. I developed a model of wastewater flow characteristics during peak flow conditions using the US EPA's Storm Water Management Model (SWMM).

I performed routine inspections of the waste water collection system. I evaluated the structural condition of the pipe network using a remote controlled camera system. I evaluated the structural condition of each manhole. I recommended portions of the system for rehabilitation based on my assessment of the manholes and pipe conditions.

I recommended rehabilitation methods for both the pipe network and manholes throughout the collection system. I recommended multiple rehabilitation methods depending on the structural condition of the pipe network and manholes. I supervised the installation of the manhole liners, evaluated the concrete compression tests of representative concrete samples and verified that the concrete design met the manufacturer's design standards.

I evaluated the operational condition of both wastewater treatment facilities serving the Tutuila island. I assessed the condition of systems within the treatment facility including the coarse bar screens, the clarigestor system, and ultraviolet disinfection system. I designed a manual coarse bar screen system that would meet industry standards and could be later retrofitted with an automatic bar screen.

I designed wastewater septic treatment systems for both residential and commercial use. I designed infiltration beds that accounted for the high permeability of volcanic rock that was present under the topsoil layer and is a typical design consideration for islands in the South Pacific. I supervised and assisted with the percolation tests, and calculated the required absorption rates based on the test results.

## REPRESENTATIVE PROJECTS

Project: Inflow and Infiltration (I&I) Collection System Investigation and Rehabilitation

Scope: A significant quantity of saltwater was identified at both wastewater treatment facilities that served the island of Tafuna in the US Territory of American Samoa. The source of the saltwater was identified as I&I throughout the pipe network and manholes present throughout the wastewater collection system. The project scope was to analyze the existing system, identify the areas of the system that had sustained the greatest amount of degradation and restore the system to an acceptable operating condition.

Location: American Samoa, Tutuila island.

Structure Type: Wastewater collection system comprised of a PVC and concrete pipe network and concrete and fiberglass manholes.

Dates of Involvement: 2015 - 2017

Involvement Summary: I assessed the existing flow data and system inventory for completeness and accuracy. I determined that a substantial portion of the system had been recorded incorrectly. I performed exhaustive site inspections to identify the route that wastewater was being routed throughout the system. I calculated the approximate quantity of wastewater present in the system by applying industry standard estimates of the average wastewater contribution of both commercial and residential wastewater sources. I analyzed existing flow data that had been collected prior to my employment and verified the data by performing additional measurements and comparing my results with the prior results. I identified numerous discrepancies within the existing data and recommended collecting new flow data to better achieve an accurate flow model of the system.

I performed measurements of the flow quantities present in the pipe network using an ultrasonic flow meter that was installed directly into the discharge of a given pipe within the system. I analyzed the resulting data and developed a model of the collection system's behavior using the EPA's Storm Water Management Model (SWMM). I determined that the wastewater flow values were

not being recorded accurately by the ultrasonic flow meter since the total flow quantities that I calculated using SWMM varied drastically from the values being reported by the permanent flow meters installed at each pump station. I reported my results to my superiors and recommended the construction of a temporary lab to test and evaluate the accuracy of the ultrasonic flow meters.

I designed a temporary lab to test the ultrasonic flow meters at various rates of flow and various distances along a pipe channel. I determined that the flow meters must be fully submerged to accurately collect data and that highly turbulent flow conditions affected the accuracy of the data. As much of the collection system exhibited low flow or turbulent flow conditions, I concluded that the data collected was inaccurate and could not be used to represent the collection system. I presented these results to my management, who agreed with my assessment and chose to place the investigation portion of the project on hold until a better method of flow metering could be found.

I supervised the manhole restoration portion of the I&I project for manholes that had been to be in poor condition or had failed completely. I developed project scopes for both scenarios, acquired cost estimates for the necessary materials, and assisted with the contractor bidding process. For manholes in poor condition, I recommended the use of specialized concrete patching material that could be used to patch any cracks in the manhole's concrete structure. I recommended the use of a specialized resin material to fill any gaps between the PVC pipe and concrete channels within the manhole. I researched methods for rehabilitating fiberglass manholes that exhibited complete structural failure. I recommended a manhole rehabilitation system consisting of molds that were stacked within the existing manhole and around the existing pipe outlets, after which specialized concrete was poured between the mold and manhole sidewall to create a manhole lining within the existing fiberglass manhole. I reviewed the concrete design, which included fiberglass and saltwater-resistant admixtures, to verify that the method would be sufficient for the conditions of the existing manholes. I supervised compression tests of samples of the concrete and verified that they met both manufacture specifications and ASTM standards. I supervised the installation of the manhole linings and verified that each lining was installed according to the manufacturer specifications.

# DAVID DRAGON (13-626-49)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

RO Anderson Engineering, Inc.  
Nevada (United States)  
Project Engineer  
July 2017 – March 2018

Verified by  
**Jonathan Edward Lesperance**  
jonathanlesperance@gmail.com

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

## TASKS

I developed feasibility studies for wastewater reuse projects. I assisted developing cost estimates and project scopes for project alternatives. I calculated the design parameters of selected alternatives and drafted preliminary design drawings.

I assisted with managing the wastewater collection system for Douglas County and reviewed inspection reports for portions of the collection system that were nearing the end of their design life. I recommend portions of the collection system to be rehabilitated based on their existing condition and location in the system.

I designed wastewater septic treatment systems for private residences that were compliant with the Nevada Administrative Code (NAC) as well as any design codes held by the County that the project was taking place in.

I assisted with inspecting an existing septic system that was serving a remote summer camp located in El Dorado County, CA. I assisted with assessing the condition of the existing system and completing percolation tests for the installation of new absorption trenches.

I developed a septic system design tool using Microsoft Excel that automatically calculated the design criteria of a septic system absorption bed based on the site conditions, site parameters, and the County code that the site was located in. I designed the calculation tool to be able to design multiple types of absorption bed systems, including absorption beds, absorption trenches, absorption beds, and elevated mound absorption beds.

I assisted with reviewing residential and commercial development plans and provided comment on any discrepancies or errors found in the design documents and drawings.

## REPRESENTATIVE PROJECTS

Project: Feasibility Study to determine a beneficial reuse of recycled water for Big Pine, CA.

Scope: R.O. Anderson Engineering, Inc. (ROA) was contracted by the Inyo County Water Department (ICWD) to perform a feasibility study of the viability for recycled water reuse projects for restoration and community projects in the community of Big Pine.

Location: Big Pine, CA

Dates of Involvement: July 2017 – December 2017

Involvement Summary: I investigated options for utilizing recycled wastewater within the community of Big Pine, CA. I assisted with evaluating each alternative based on the following criteria: The level of treatment required, overall capital costs, the pumping distance required to transport the recycled water, community acceptance, labor required, economic potential, sources of funding, maintenance costs, location and ownership of potential reuse sites, and public access restrictions. In total, 18 different potential alternatives were identified for the study. I assisted with developing cost estimates and project scopes for each proposed reuse alternative. I used ArcMap software to develop layout maps of the proposed locations for each of the alternatives. I provided these documents to my supervisor who, after making any necessary changes, presented the proposed alternatives to the ICWD.

I assisted with developing a feasibility study for the preferred alternative of utilizing recycled wastewater for the purpose of dispersing the effluent evenly across an area of land that was approximately 160 acres and under a State ordered mandate for revegetation with native plant species. This alternative was preferable as the land was owned by the Los Angeles Department of Water and Power (LADWP) which was under a state mandate to revegetate the selected parcel and required a source of water to meet the requirements of the mandate. This alternative would potentially allow the ICWD to enter into a "water trade" agreement with LADWP for access to water resources needed elsewhere in the community.

I assisted with identifying the additional treatment processes and public safety considerations that would be required by the California Code of Regulations for the utilization of recycled water for revegetation. I reviewed existing effluent quality data to determine what additional treatment processes may be required for reuse purposes. It was determined that only secondary treatment via oxidation would be required to meet regulatory requirements, and as the wastewater treatment facility already performed secondary treatment, no additional treatment processes would be required.

I evaluated potential methods of dispersion that would maximize the amount of surface area utilized for revegetation while also ensuring that sufficient water was dispersed to promote native plant growth. I evaluated the amount of water available for reuse and considered seasonal peak and minimum flows to ensure that sufficient recycled water would be available during the growth period of native plant species.

I assisted with the recommendation a system that would distribute the recycled water subterraneously via a pump station that would distribute the recycled water via a 7,000-lineal foot force main into six irrigation zones arranged in parallel. I calculated the pipe sizes required throughout the system and the associated pumping requirements. Each irrigation zone was controlled by an automatic valve that would alternate between each zone on a specified dosing period per zone. Each zone consisted of 1,800-lineal foot distribution line that would convey flow into 180 driplines lines arranged in parallel, each running approximately 405 feet in length. I drafted preliminary design drawings using AutoCAD software that illustrated the layout and location of the proposed distribution system.

I assisted with researching and recommending a photovoltaic system solar array as an optional component of the project that could be used supplement the current power supply to the WRRF that, in addition to providing the necessary power demand required for pumping recycled water to the irrigation zone, would also supplement the power demand of the WRRF itself. I calculated the power supply that would be produced by the solar array and determined the potential costs savings that would occur based on the WRRF's current power requirements.

# DAVID DRAGON (13-626-49)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Nevada Department of Environmental Protection  
Nevada (United States)  
Environmental Scientist 3  
November 2019—August 2021

Verified by  
**Andrew Tucker**  
atucker@ndep.nv.gov

Experience Summary  
**Full-Time**  
**Engineering: 1 year, 9 months**  
**Post EAC degree: 1 year, 9 months**  
**Experience under licensed engineer: None**

### TASKS

I review compliance cases involving facilities deviating from the requirements of their Air Quality Operating Permit (AQOP). I investigate the supporting evidence provided by the Compliance Branch and evaluate that evidence on several factors, including historical non-compliance, regulatory authority, and engineering controls associated with the non-compliant system.

I attend and assist in leading enforcement conferences to meet with the facilities or companies responsible for the violation to allow them an opportunity to present evidence against the alleged violations. I review all relevant evidence provided and determine if the violation is still warranted, then either dismiss the case or recommend pursuing the violation.

If the violation is deemed a major violation, I prepare enforcement recommendations to present to the State Environmental Commission (SEC). I assist in preparing the settlement agreements or consent decrees, as well as requirements for any additional system engineering controls, operation and maintenance procedures, or additional record keeping requirements that are deemed necessary as part of a settlement agreement or consent decree.

I periodically perform compliance inspections of permitted facilities. During a site inspection, I assist in evaluating each system listed in the permit and determine that the engineering controls are installed and operating correctly. I also will assist in performing a records review of each system to determine whether the system was operated within the limits specified in the system.

While I am not under the direct supervision of a PE in my current position, the subject matter of my last 20 months of employment with NDEP directly relates to the environmental engineering field. As such, I petition that my work experience with NDEP be counted towards 2 of the 4 years of work experience required for licensure but do not require direct PE supervision.

### REPRESENTATIVE PROJECTS

Project: Enforcement case against an active Nevada gold mine.

Scope: Violations were recommended to the Enforcement Branch of the NDEP Bureau of Air Quality Planning (BAPC) for an active gold mine operating in the State of Nevada. The alleged violations pertained to the facility operating outside the constraints of multiple Operating Permits. I assisted the bureau with reviewing the alleged violations, holding an enforcement conference with the facility, determining whether final violations were warranted, and recommending whether to dismiss the violations, issue warnings, or pursue final violations.

Location: Nevada

Case Type: Active Gold mine Permit Violation Enforcement Case. (Note: due to the ongoing nature of this case, I am unable to specify the specific name and location of the facility, as final resolution of the alleged violations has not been determined. I will refer to the facility as "the Company")

Dates of Involvement: December 2019 – Ongoing

Involvement Summary: I reviewed the 2019 inspection report of the Company operating in Nevada. The inspection consisted of an on-site review of system processes that were permitted under the facilities Class I AQOP, Class II AQOP, and Mercury Operating Permit to Construct (MOPTC). I investigated the validity that the Company had failed to operate and maintain the emission system engineering controls associated with multiple systems, including the crush & convey system, gold smelting furnace, mercury retort and mercury scrubber. I evaluated the claim that each system was operating without (or failed to maintain) the required engineering controls for these systems by reviewing the evidence, comparing that evidence with the emission limits and engineering controls specified in the Operating Permits, and referenced both federal and state mercury emission legislation and administrative code addressing the required engineering mercury controls for related systems operating in the State of Nevada. I assisted with writing the eleven Draft Notices of Alleged Violations (NOAVs) that would be served to the Company, each of which alleged the facilities failure to either operate their emission units and/or emission controls in compliance with either the

engineering controls, emission limits, or required operating practices required in the Operating Permit.

I participated in the additional on-site inspection of the Company's facility in January of 2020, during the inspection I assisted with reviewing systems permitted under the Operating Permits. During the inspection I assisted other NDEP staff with inspecting the emission units and engineering controls to determine if they were operating in compliance with the Operating Permits.

In March of 2020, I assisted with preparing the agenda items for an enforcement conference with the Company to discuss the alleged violations from the prior inspections by preparing the potential penalty amounts based on the type of violation, the extent and impact of the violation, and similar violations that occurred during the previous five years. Following the enforcement conference, I reviewed biweekly engineering and operational records provided to NDEP by the Company as required by a Compliance Order issued to the facility requiring them to provide records of the Systems and associated engineering controls to determine whether they had been able to achieve compliance with the limits and requirements of the Operating Permits. I provided a biweekly report of these records to my supervisor and any associated recommendations regarding the operational compliance of the facility.

I continued to review the facilities operational records as NDEP required the Company to return to full compliance with their Operation Permits before any resolution to the outstanding violations could be made. During that time, I assisted with drafting a Letter of Alleged Findings that requested the Company to appear for an additional Enforcement Conference to discuss additional alleged findings regarding their failure to operating the gold smelting furnace within the permitted limits of the MOPTC. As the facility had been unsuccessful in returning to full compliance with both their permit and the aforementioned Compliance Order, I assisted with drafting a formal Stop Order that would require the Company to cease operations unless they had met each condition of the Stop Order, including providing a plan to the NDEP detailing how they would perform a Maximum Achievable Control Technology Analysis as specified under the Nevada Mercury Control Program and the associated milestones and deadlines they would require for completing the Analysis.



ADDITIONAL INFORMATION



**QUESTIONS**

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Agricultural, Control Systems, Environmental, Industrial, Metallurgical/Materials, Mining/Mineral

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

No

# DAVID DRAGON (13-626-49)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### TIME GAPS

Start Date	End Date	Reason	Explanation
04/2018	10/2019	Unemployed	Laid off from employer due to lack of work. Attended UNR to pursue a Masters Degree in Mechanical Engineering. By spring of 2019, I determined my financial situation would not support pursuing an additional degree and began applying for professional jobs.

# Mining

# JOHN GATES (21-376-58)


All work experience reviewed by two licensed professionals





DISCIPLINE: MINING

## GENERAL


 Applying To **Nevada**  
Application Type **Initial - PE**  
Application Date **08/11/2021**  
Citizenship **United States**

## SUMMARY


 Engineering Experience after EAC degree **10 years, 1 month**  
Total Engineering Experience **10 years, 1 month**  
Experience under licensed engineer **2 years, 8 months**  
Other Experience **3 years, 10 months**  
Disciplinary Action **None reported**

## EDUCATION

 Bachelors in Mining Engineering (EAC)  
**University of Nevada, Reno**  
August 2002–May 2007

## EXAMS

 Fundamentals of Engineering (FE)  
**Nevada**  
October 2006  
Principles and Practice of Engineering (PE)  
**Mining and Mineral Processing**  
**Nevada**  
October 2020



## LICENSES

 Additional Licenses **None**

# JOHN GATES (21-376-58)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

*Basic Resources Inc.*  
*California (United States)*  
*Compliance Specialist*  
**June 2007—May 2011**

Verified by  
**Jeffrey Welch**  
jefjam@comcast.net

*Experience Summary*  
**Full-Time**  
**Engineering: 3 years, 11 months**  
**Post EAC degree: 3 years, 11 months**  
**Experience under licensed engineer:**  
**None**



### TASKS

Graduate mining engineer in the corporate Permitting and Compliance Department with increasing levels of responsibility and diversification of responsibilities throughout employment period. Provided engineering support to all businesses under the corporate umbrella including: Managed compliance and permitting projects for quarries, asphalt, and concrete plants, from resource evaluation phase through mine design, environmental studies, and local, state, and federal permit approval. Coordinated external services of consultants, subject matter experts, and land use attorneys, working in tandem with permitting team on large projects. Researched, field tested, evaluated and made recommendations on additional aggregate resources. Produced due diligence on proposed and/or actual acquisition of 12+ mining properties. Produced updated annual mine plans and reclamation bonding calculations. All work was generally related to the broad field of mining engineering however none of the experience was overseen by a Mining Engineering PE.



### REPRESENTATIVE PROJECTS

Designed Los Banos portable asphalt plant footprint and setback requirements in autocad in support of acquiring temporary use permit and utilized Topcon GTS to survey in permitted corners for site development in Merced County 2008.

Conducted updated reserve calculations utilizing autocad, conducted blast vibration studies at existing operation and utilized scaled distance factors to determine proposed quarry setback limits, and assisted in obtaining permits for a 50M ton quarry expansion at Jackson Valley Quarry in Amador County around 2011.

Conducted an electrical resistivity analysis of 1.5M Ton sand/gravel deposit in conjunction with auger drill and test pit data to design an optimized mine phasing plan based on stripping ratio and material quality factors at quarry expansion in San Joaquin County around 2010.

Performed volumetric resource calculations, developed material testing programs, managed field level test pit excavations and materials testing analysis for construction materials suitability (LA Abrasion, Sulfate Soundness, Alkali-Silica Reaction, etc) for a multitude of California properties including: 10M ton Cozort gravel pit in Stanislaus County starting in 2007, 5M ton Oxbow Ranch gravel pit in Merced County around 2008, 2.5M ton Coyote Valley Aggregate Quarry acquisition in Mono County around 2009, 2M ton Orland Stony Creek gravel pit in Glenn County around 2010, and 3M ton Ohe Parcel gravel pit in Stanislaus County through 2011.

Managed annual reclamation bonding calculations and projections for next phases of sites to fulfill California SMARA Reclamation permit requirements for 10+ active construction material mining operations located throughout northern and central California from around 2008 to 2011.

# JOHN GATES (21-376-58)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Sutter Gold Mining, Inc.  
California (United States)  
Senior Planning and Project Engineer  
June 2011 – November 2014

Verified by  
**James Pat Carney**  
rug3636@gmail.com

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

## TASKS

The startup of the Sutter Gold Mine was one large continuous project that I played multiple overlapping and concurrent roles in from June 2011 through November 2014. I was directly employed by the Sutter Gold Mine in the capacities of Associate Mining Engineer and then as Senior Planning and Project Engineer. I believe all of this work experience to be 100% applicable to Mining Engineering. All work was completed at the Sutter Gold Mine in Sutter Creek, California.

I conducted a broad range of mining engineering functions, including designs and calculations, in the start-up of a narrow-vein underground gold mine in Amador County, California with increasing levels of responsibility and diversification of responsibilities throughout employment period. Core duties as Associate Mining Engineer consisted of conducting underground mine progress surveying and volumetric calculations, surface and underground mine designs, ventilation surveys, cost analysis calculations and recommendations, and directing the work of multiple subcontractors including being Project Engineer for over \$10M in capitalized pre-production surface and underground development work. I assisted with design work and engineering calculations used in securing multiple local, state, and federal permits for development and operation of the underground mine, on-site mill, maintenance shop, office, and ancillary facilities. I assisted in operations level regulatory compliance and periodic inspections in coordination with EH&S department as well as producing reclamation cost estimates from first principals. I assisted in mill and assay lab commissioning. I conducted an improved backfill system design study, mill process optimization studies, and mining/milling options sensitivity analysis in support of operational objectives. Obtained CalOSHA Class C Gas Tester license. Participated on both Mine Rescue and HazMat teams. All work was directly related to the field of mining engineering however none of the experience was overseen by a Mining Engineering PE.

## REPRESENTATIVE PROJECTS

Tasks and subprojects that I completed included:

- I produced frequent innumerable iterations of 3D resource model and mine designs in Surpac for a complex, steeply dipping, anastomosing, narrow-vein orebody of over 200,000 tons of high grade gold ore, adapting to geologic model that was continuously evolving through acquisition of new drill data, channel/back sampling, and structural mapping. I utilized Surpac mine design software, in conjunction with AutoCAD, to conduct short-range planning and designed development headings for underground contractor. I regularly carried survey control to active headings and marked centerline and grade for active faces. I regularly surveyed newly constructed rib and raise profiles to maintain mine plans up-to-date. I performed all necessary surveying calculations and AutoCAD design work for the above mentioned underground mining work. All of these tasks were continuously conducted from 2011 through 2014 at the Sutter Gold Mine, California.

- A specific mine design project was the cost benefit analysis of utilizing a spiral decline at the end of the existing main decline to access the Lincoln ore body instead of the initial design driving an access through waste on the 1200' level and utilizing fans and ducting. I then conducted ventilation calculations and simulations in VnetPC to aid in determining offsetting costs of increased ventilation capital expenditures versus additional development costs for the spiral decline which allowed for flow-through ventilation. I conducted this specific design work and calculations in 2011 at the Sutter Gold Mine, California.

- In addition to the tasks above, I was also tasked with being the Project Engineer overseeing earthworks contractors for surface infrastructure installations including: Sand Barn and Thickener Pad installations with balanced cut to structural fill of approximately 25k CY on a steep side slope, Mill Pad and MSE walled ore haulage ramps, Joint Trench for potable water, fire water, electrical, and sewer as well as utilities including septic tanks and leach field. I oversaw installation of storm water management controls, drainage piping, culverts, and retention pond as well as the installation of a 1 acre HDPE lined waste rock storage facility with underlying leachate collection system. I was responsible for ensuring all work was completed to approved engineered drawings, specifications (including compaction, permeability, gradation, etc), and permit requirements through final signoffs. Work was conducted continuously and concurrent with above tasks from 2012 through 2013 at the Sutter Gold Mine, California.

- Additionally, I assisted in developing a detailed multi-year phased development and production forecast with monthly and annual cost/revenue projections to inform quarterly/annual/multi-year budgets and monthly tracking during active operations. This plan included complex phased mine designs and engineering calculations that I completed to form the underlying basis for the financial calculations. I calculated risk analysis on cashflow impacts including gold price fluctuations and cost/productivity variables (ore grade, mill throughput, underground development methods, waste disposal options) to inform long-range mine planning. Work was conducted concurrent with above tasks from 2012 through 2014 at the Sutter Gold Mine, California.

- Additionally, I conducted a special project to develop an improved Backfill Plant and underground distribution design. I researched and conducted complex fluid dynamics calculations (Darcy's law, Darcy-Weisbach, etc), in conjunction with field level testing I completed on mill tailings produced during the commissioning of the mill. Visited other operations in multiple states to aid in understanding how challenges were overcome in similar settings. My calculations and test work resulted in my development of an improved backfill plant design with substantial reduction in capital cost. This work was conducted concurrent with the above tasks in 2013 at the Sutter Gold Mine, California.

# JOHN GATES (21-376-58)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

*Odyssey Landscape Company  
California (United States)  
General Manager*

**December 2014—October 2018**

Verified by

**Matt Lawson**

mlawson@odysseylandscape.com

*Experience Summary*

**Full-Time**

**Other: 3 years, 10 months**

**Experience under licensed surveyor:  
None**



### TASKS

Construction Operations Manager promoted to General Manager to oversee Construction and Maintenance divisions, driving long term business planning, business development, and revenue growth initiatives of a private family-owned commercial landscape construction business. Full P&L responsibility and management of 100+ personnel including field staff (superintendents, foreman, laborers) and office staff (operations manager, project manager, estimators, buyers). Execute dozens of concurrent projects from estimation to build to closeout with budgets ranging from \$200K to \$3+M for both private and publicly funded projects. Analyze performance, develop budgets, and produce monthly and annual revenue projections. Provide regularly updated business plans to executive management for alignment of long-term goals and objectives with constantly changing market conditions.

Matt Lawson - Senior Estimator, long-standing employee of the company, supplied as contact for employment verification due to my father being the company owner and my manager during employment.



### REPRESENTATIVE PROJECTS

Representative Projects:

- Avery Model Homes – Toll Brothers, Danville, CA included over \$1M in landscape, irrigation, and hardscape installation.

Challenges included installation of 2 pool decks on highly expansive clay subsoils, engineered footings for overhead structures, retaining walls with positive drainage and moisture barriers, and heavy lifts for large field-grown olive trees. Required stamped architectural and engineering drawings, building permits, and inspections to ensure installation met all specifications. Required detailed planning and scheduling with client Project Manager to coordinate with all trades working on top of each other to accomplish completion in an extremely aggressive timeframe. Work was conducted in 2016.

- Gale Ranch Recreation Center – Toll Brothers, San Ramon, CA included over \$1M in landscape, irrigation, and hardscape installation. Challenges included subcontracted installation of a large pool deck on highly expansive clay subsoils requiring a unique approach involving oversaturation of subgrade, installation of vapor barrier over saturated clay, and perimeter wick drains to prevent post-installation heaving of pool deck. Other challenges included installation of a large wet deck water play feature, engineered footings for overhead structures, outdoor fireplace, retaining walls with positive drainage and moisture barriers, and deep tie-ins to storm drain lines requiring shoring. Required stamped architectural and engineering drawings, building permits, and inspections to ensure installation met all specifications. Work was conducted in 2017.

- Legacy Field Sports Complex – City of Tracy/Tracy Little League, Tracy, CA included working with a public-private partnership to install professional-grade baseball fields for portions of a large multi-phase sports complex. A unique challenge was navigating and tracking funding from multiple sources, materials procurements through combination of physical materials donations and donations in the form of supplier discounts. Installation challenges included installation of large water mainlines, precise grading requirements, and maintaining survey controls to ensure all installations are in precise location to match overall sports complex buildout. Required stamped architectural drawings and inspections to ensure installation met all specifications. Work was conducted in 2015.



# JOHN GATES (21-376-58)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Ledcor CMI Inc  
Nevada (United States)  
Estimator / Mining Engineer  
November 2018 – August 2021

Verified by  
**John Cameron Wild**  
john.wild@ledcor.com

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

## TASKS

Staff estimator and mining engineer for US Heavy Civil and Mining business unit based out of the Reno, NV office. On a continuous basis, I conduct engineering analysis and detailed costs estimates for a broad range of heavy civil, earthworks, and contract mining projects. I also provide engineering analysis, calculations, and support to active mining and heavy civil operations. Engineering analysis and calculations include mine design work in AutoCAD and Carlson for blast pattern design, haul road profiles, dump designs, volumetric calculations for quantity take-offs, and cut/fill balance analysis. I regularly conduct engineering calculations to determine optimal equipment types to conduct the proposed work as well as calculating production rates based on project specifics including engineering specifications, rock/soil type, weather impacts, equipment mechanical availability, and historical data. I regularly utilize specialized mining programs to aid in calculations including Cat FPC for loading and haulage as well as ProBench for blast design, spacing, hole size, and energy calculations. I then use my underlying engineering calculation to develop detailed costs estimates in programs including Excel, HeavyBid, and InEight Estimate for use in determining the final cost and pricing for our proposals. I am responsible for managing the estimating process from receipt of the Request for Proposal (RFP) through the engineering analysis and cost build up, development of the construction execution plan and schedule, and the timely submission of a complete and responsive Proposal.

I consider 100% of the time spent in this role to be applicable to the broad field of mining engineering.

## REPRESENTATIVE PROJECTS

CR Rewards Mine Project, Nye County, NV – 2018 – I developed a budgetary mining cost estimate for client by evaluating their preliminary mine designs and running calculations to determine the optimal equipment selections. Engineering analysis and design included the creation of haul profile centerlines in AutoCAD and utilizing Cat FPC to conduct cycle time analysis for multiple types of loading and haulage equipment types, taking into account factors including ramp angle and gear selections, speed limits relating to tire temperatures, and rolling resistance. I then developed and supplied the resulting mining cost estimate to the client along with recommendations for areas where further mine design and engineering work could result in enhancements to the project.

NAHL Phase IX Leach Pad Expansion Project, Eureka County, NV – 2019 – I reviewed all supplied engineering plans and specifications, conducted engineering calculations, and developed a detailed cost estimate to construct the expansion of an HDPE lined 40 acre heap leach pad. As part of developing the detailed cost estimate, I generated a construction execution plan and construction schedule based on equipment productivities and cycle time analysis as well as evaluating equipment selection to ensure all engineering specifications could be met with the selected equipment.

Coeur 1A Crusher Corridor Project, Pershing County, NV – 2020 - I reviewed all supplied engineering plans and specifications, conducted engineering calculations, and developed a detailed cost estimate to construct a crushing corridor along a mountain side that included the drilling, blasting, excavation, haulage, and compacted placement of approximately 2.4M cubic yards as well as the installation of underground utilities, slope rockfall protection, and retaining walls. I generated a construction execution plan and construction schedule based on client constraints for phased completion milestones and conducted engineering calculations to determine optimal equipment selections and production rates to meet the material movement requirements as well as engineering specifications for material gradations and compaction.

Rand Reclamation Project, Kern County, CA – 2019 through 2021 – I reviewed engineering designs and specifications, conducted volumetric calculations and cross-sectional designs in AutoCAD, and made recommendations to engineer of record in development of final plans for the multi-year reclamation of waste dumps and leach pads at a mine undergoing the final closure process. I conducted engineering calculations and developed a detailed cost estimate to perform the reclamation work along with generating a construction execution plan and construction schedule based on equipment selections and productivities. I subsequently recalculated remaining and additional portions of work for the two following years to assess ongoing progress, work

remaining, as well as changes in engineering specifications for closure approvals including slope parameters and surface growth media particle size distribution.

Marigold Leach Pad Expansion and Rapid Infiltration Basin Installation, Humboldt County, NV - 2021 – I reviewed all supplied engineering plans and specifications, conducted engineering calculations, and used engineering analysis to develop a construction schedule and estimate of the equipment and labor requirements necessary to construct the project within the mandated timeframes. I subsequently generated a projection of existing equipment and manpower available based on current projects and existing backlog. I combined both sets of information and presented my engineering analysis in a clear and concise manner to allow for senior management to make an informed decision on the pursuit of the project.

# JOHN GATES (21-376-58)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Mining/Mineral

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**


No

# JONATHAN ZITTEL (14-017-49)

All work experience reviewed by two licensed professionals

DISCIPLINE: MINING

## GENERAL


 Applying To  
**Nevada**

Application Type  
**Initial - PE**

Application Date  
**08/04/2021**

Citizenship  
**United States**

## SUMMARY



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



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

Experience under licensed  
engineer  
**4 years**

Other Experience  
**5 years**

Disciplinary Action  
**None reported**

## EDUCATION

 Non-degree  
**University of Wisconsin- Eau Claire**  
**August 1999–May 2000**


Bachelors in Political Science  
**University of Wisconsin, Madison**  
**August 2000–May 2003**

Non-degree  
**Hamline University**  
**August 2003–March 2004**


Non-degree  
**University of Wisconsin-Stevens Point**  
**May 2004–December 2004**

Masters in Education  
**University of Minnesota, Twin Cities**  
**August 2005–December 2008**


Bachelors in Mining Engineering (EAC)  
**University of Nevada, Reno**  
**January 2009–May 2013**

 **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”

## LICENSES

 Additional Licenses  
**None**

## EXAMS

 Fundamentals of Engineering (FE)  
**Nevada**  
**October 2012**

Principles and Practice of Engineering (PE)  
**Mining and Mineral Processing**  
**Nevada**  
**October 2019**

# JONATHAN ZITTEL (14-017-49)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

*Kohler Company*  
*Wisconsin (United States)*  
*Call Service Representative*  
**February 2005—June 2005**

Verified by  
**Jonathan Zittel (Self)**

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



### TASKS

Provide customer service to customers that bought Kohler plumbing products.

No engineering experience with this job.



### REPRESENTATIVE PROJECTS

I did not participate in any representative projects.

# JONATHAN ZITTEL (14-017-49)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

American Arbitration Association  
Minnesota (United States)  
Arbitration Services Representative  
July 2005—May 2006

Verified by  
**Jonathan Zittel (Self)**

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



### TASKS

Provide customer service to lawyers setting up no-fault insurance arbitration through the American Arbitration Association. Set arbitration hearings and appoint arbitrators.



### REPRESENTATIVE PROJECTS

No engineering work was performed or pertinent projects.

# JONATHAN ZITTEL (14-017-49)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Brookfield School- Reno  
Nevada (United States)  
Teacher  
July 2007—July 2008

Verified by  
**Jonathan Zittel (Self)**

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



### TASKS

I was the middle school teacher that focused on teaching social studies and language arts. I provided daily instruction to late elementary and middle school students. I used a provided curriculum to teach age appropriate math.



### REPRESENTATIVE PROJECTS

I developed an age appropriate curriculum for late elementary and middle school students for social studies and language arts. I integrated the use of technology into the curriculum.

# JONATHAN ZITTEL (14-017-49)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Washoe County School District- Earl  
Wooster High School  
Nevada (United States)  
Teacher  
July 2008—July 2010

Verified by  
**Leah Keuscher**  
lkeuscher@washoeschools.net

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



### TASKS

I provided daily instruction in social studies to a diverse group of learners. I taught regular education world history and International Baccalaureate History of the Americas.



### REPRESENTATIVE PROJECTS

2008 School Year-

I was the co-chair that developed the mission and beliefs statement for the re-accreditation process for the school. I led a team that analyzed survey data to create the mission statement.

I was the team lead for developing a collaborative curriculum for teaching world history.



# JONATHAN ZITTEL (14-017-49)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Recreational Equipment Inc. (REI)  
Nevada (United States)  
Sales Associate  
July 2005—August 2011

Verified by  
**Vince Jensen**  
vince.jensen@patagonia.com

Experience Summary  
**Part-Time**  
**Other: 3 years, 1 month (50%)**  
**Experience under licensed surveyor:**  
**None**



### TASKS

I provided customer service and sales expertise to customers for outdoor gear. I worked the register and the sales floor.



### REPRESENTATIVE PROJECTS

Worked at REI stores in both Minnesota and Nevada while going to school and teaching.

No engineering experience.

# JONATHAN ZITTEL (14-017-49)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Cliffs Natural Resources  
Minnesota (United States)  
Short Range Mine Engineer  
June 2013—July 2014

Verified by  
**Dan Cervin**  
daniel.cervin@state.mn.us

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

### TASKS

-Each day I created the daily ore blend for the shovels. I calculated the percentage of ore that each shovel needed to deliver to the crusher per day. I would need to schedule up to five shovels in order to deliver ore with the correct iron and other mineral content to ensure the mill could produce pellets that were within specifications. I would need to re-calculate the percentage for each shovel delivery periodically throughout the day due to unexpected maintenance or pit conditions. I utilized the daily mine plans to support the weekly mine plan.

-Each day I inspected the pit to determine operations compliance to the daily and weekly mine plan. For digging faces that were out of compliance (over or under dug), I would work with and recommend to operations how to bring the digging face back into compliance.

-I developed the weekly mine plan. In the weekly mine plan, I calculated the tons required per shovel per day to meet the ore requirements of the mill and to meet the mining goals outlined in the 3-month mine plan. In the weekly plan, I implemented design features, like drop cuts and ramps. I utilized Vulcan to estimate shovel advances in cuts. I coordinated and recommended drill priorities to drill and blast to prevent shovels from running out of muck based on these estimates. I would utilize the equipment maintenance schedule to develop accurate plans. I created weekly mine maps for Operations to reference while implementing the plan.

-I analyzed shovel GPS data from dispatch to estimate the remaining tons in a shovel cut. I utilized this data to update polygon information in Modular's Provision so shovel and truck count data was accurate.

### REPRESENTATIVE PROJECTS

#### Analysis of Weekly Mine Plans

The scope of the project was to coordinate with Operations in order to implement the weekly mine plan correctly in order to stay on schedule with mining as indicated in the 3-Month and Yearly mine plans.

Various weeks from September 2013 to June 2014

I reviewed and analyzed the weekly mine plan from the previous week and GPS data from dispatch in order to compare it to the current weekly mine plan and the 3-Month Plan to determine if dig face advancement was ahead of or behind the 3-Month schedule. I utilized continuous improvement strategies and provided recommendations to Operations to have them mine more in-line with the current weekly mine plan. I modified the upcoming weekly mine plan based on the analysis to allow Operations to mine more in-line with the 3-Month Plan. I provided recommendations to the engineer designing the 3-Month Plan which were utilized to bring mining operations back on schedule to meet the 3-Month Plan and meet production goals.

#### Access to the Western 40 Expansion

The scope of the project was to create access for stripping opportunities in the western most expansion of the pit while allowing for continued ore production from the adjacent cut.

Spring 2014

As a subsection to the 3-month plan, I designed access to the Western 40 Expansion for stripping glacial till. I designed the ramp access for two-way haul traffic along with allowing for a hydraulic loader to safely utilize the ramp. I calculated the ramp width based on haul truck dimensions and allowed for required MSHA safety requirements like berms. I utilized a grade on the ramp that would allow haul trucks to be able to climb it inlement weather. I designed the access to the stripping area so mining in the current ore cut could continue.

# JONATHAN ZITTEL (14-017-49)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

*Barrick Gold and Kinross Gold  
Nevada (United States)  
Short Range Mine Engineer  
July 2014—July 2016*

Verified by  
**Herbert L Ley**  
herbie.053@icloud.com

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

### TASKS

- Each day I inspected the pit, dumps, and leach pad to determine operations compliance to the previous day's mine plan. I inspected survey staking of ore blocks for accuracy.
- I created the daily mine plan which stated the daily shovel priorities, potential shovel moves, dump priorities, and various mine projects. I would analyze shovel data to determine shovel priorities and mining progressed in accordance with the 3-month mine plan. I would utilize the equipment maintenance schedule to develop accurate plans.
- I created daily mine maps for Operations. The maps include ore and waste polygons and information that matched in-field surveying so mining could continue with accurate record keeping if the dispatch system stopped working.
- I analyzed data from dispatch on shovel performance and cycle times to produce accurate estimates of anticipated daily tons moved so the daily plan could stay aligned to the 3-month mine plan.
- I analyzed and interpreted field and analytical geological data in order to create ore and waste polygons in Vulcan. I provided the polygons to the survey department to be staked and uploaded the polygons to the dispatch system. I interpreted the data to ensure sulfide waste was properly code so they would be properly placed in on the waste rock dumps to ensure environmental safety was achieved.

### REPRESENTATIVE PROJECTS

#### Analysis of Compliance of Ore Delivery

The scope of the project was to coordinate with Operations in order to maximize ore block delivery compliance and increase overall daily tonnage delivered.

Various Weeks from August 2014 to January 2015

I review and analyzed shovel GPS data from Dispatch to determine ore block delivery compliance. For ore blocks with low compliance, I would analyze the GPS data to determine the dig sequence then work with Operations to determine if there was a more efficient way to mine the ore block. I would design future ore blocks based on the analysis in order to increase their disability and compliance. Additionally, I would recommend to the engineer designing the Daily Mine Plan potential dig face sequencing in order to minimize shovel movement and maximize ore block compliance.

#### Analysis of Daily Mine Plans

The scope of the project was to coordinate with Operations in order to implement the mine plan correctly in order to stay on schedule with mining as indicated in the 3-Month and Yearly mine plans.

Various Weeks from March 2015 to July 2016

I reviewed and analyzed the daily mine plans from previous days and compared them to current daily mine plan and the 3-Month Plan to determine if dig face advancement was ahead of or behind the 3-Month Mine Plan schedule. I utilized continuous improvement strategies and discussions with Operations to make recommendations to them and make changes to the daily mine plan that allowed Operations to mine more in-line with the 3-Month Plan. I would make recommendations to the engineer designing the 3-Month Plan which were utilized to bring mining operations back on schedule. I made recommendations to Operations to meet production goals and get ahead of tons delivered for the 3-Month Plan.

#### 3-Month Mine Plan for Top Pit

The scope of the project was to update the 3-month mine plan in order to align the current mining progress to the annual mine and life of mine plan. The overall goal of these 3-month plans was to increase monthly tonnages in order to increase ore delivery in the third quarter.

Updated Monthly for April and May of 2016

I designed the 3-month mine plan for the 3-month periods from April-June and May-July for the Top Pit North Layback. I utilized data from the year mine plan and life of mine plan to sequence the mining rates and locations for two rope shovels and, if necessary, a loader. I refined the sequencing by analyzing shovel and haul truck data obtained from dispatch. I estimated tons of ore and waste that would be delivered per month based on equipment utilization, weather, and previous months' totals. Additionally, I utilized data from the block model to anticipate the location of ore zones and adjusted cycle times accordingly. I designed access to the mining area that allowed for mining on two benches simultaneously in the layback. Roads and ramps were designed to ensure compliance with MSHA safety standards and within equipment specifications. After designing the 3-month plan, I was able to more accurately and efficiently develop the daily mine plans. Additionally, designing the 3-month plan utilized skills I worked on from all my daily tasks.

# JONATHAN ZITTEL (14-017-49)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Washoe County School District- Earl  
Wooster High School  
Nevada (United States)  
English Language Learner Teacher  
August 2016—July 2017

Verified by  
**Leah Keuscher**  
lkeuscher@washoeschools.net

Experience Summary  
**Full-Time**  
**Other: 11 months**  
**Experience under licensed surveyor:**  
**None**



### TASKS

I was an English Language Learner resource teacher. I co-taught math, science, and social studies and implemented language acquisition skills in those classes along with teaching fundamental concepts and skills.



### REPRESENTATIVE PROJECTS

I developed a program and tracking method for teachers to track and assess English Language Learner students that were at risk of not graduating from high school. I trained teachers how to use the tracking spreadsheet.

# JONATHAN ZITTEL (14-017-49)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Nevada Division of Environmental Protection- AML Program  
Nevada (United States)  
Staff Engineer II  
July 2017—December 2020

Verified by  
**Jeryl R Gardner**  
jgardner@ndep.nv.gov

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

### TASKS

I worked for the Nevada Division of Environmental Protection- Bureau of Corrective Actions, Abandoned Mine Lands Program for the State of Nevada which is tasked with protecting human health and the environment through the investigation and remediation of legacy mine sites.

- I provided project management oversight on a variety of Abandoned Mine Land projects in Nevada. I reviewed project budgets and made recommendations where funding could be used more efficiently. I evaluated sampling and analysis plans, feasibility studies, and potential remediation strategies. I made recommended for ways to increase protection of human health and the environment while maintaining regulatory compliance with NRS 445A and 459.
- I conducted engineering inspections of abandoned mine lands in order to gather data for analysis in determining if the site posed a hazard to human health and the environment.
- I reviewed data for the geospatial database for accuracy and completeness. I oversaw changes made to the database by the NDEP GIS Specialist and third-party contractor analyzing them to see if they improved the functionality of the database. I recommended changes where needed to the contractor.
- I provided technical comments, analysis, and recommendations for various studies for a CERCLA-like remediation project for the Anaconda Copper Mine Site. I evaluated studies on potential mine impacts to the groundwater and soils along with evaluating proposed mine closure plans. I provided my analysis and recommendations to my supervisor.

### REPRESENTATIVE PROJECTS

Preliminary Assessment/Site Investigation- Environmental Assessments of Abandoned Mine Lands  
AML Site Assessments, Various locations throughout Nevada  
The scope of the project was to evaluate various AML sites around the State in order to assess which sites posed an immediate threat to human health or the environment.  
July 2017 through December 2020

I conducted engineering inspections of abandoned mine lands focusing on determining if the site posed a threat to human health or the environment. I collected samples and data from the sites. I analyzed the results of the samples to determine if the site posed a threat to human health or had a potential to degrade Waters of the State. I evaluated the data to see if the site posed a threat to sensitive species. I would compile the data and write a report detailing my findings. The report would be submitted to my supervisor and EPA. In the report, I would recommend the next steps for the site (further investigation, remediation, no further action) to both my supervisor and EPA. After my first year performing the assessments, I taught more junior staff the process for performing the assessments. Additionally, third party contractors assisted in conducting assessments. I oversaw and evaluated their work. I oversaw the project budget and ensured the contractors stayed within budget.

Mine Impacted Water Remediation

Birthday Mine Project, Humboldt County Nevada

The scope of the project was to utilize passive treatment technology to reduce arsenic levels in the mine impacted water to acceptable discharge limits.

July 2017 through December 2020

I worked as the project manager overseeing remediation efforts at an abandoned mine land that discharged arsenic laden water that killed cattle. I reviewed and evaluated site investigation data and reports. I evaluated the engineering design proposal regarding potential remediation strategies. I reviewed proposed construction costs and recommended how to improve construction logistics to increase efficiency while decreasing costs. I recommended final remediation strategies to ensure the strategy was compliant with regulations. I oversaw drilling and construction activities. After construction was completed, I reviewed the quality assurance/quality control report and as built to verify the project was within the approved design parameters. Additionally, I

performed an engineering inspection of the completed project. As I grew in the role, I managed the budget to ensure the consultant and contractors stayed within budget.

# JONATHAN ZITTEL (14-017-49)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Nevada Division of Environmental Protection  
Nevada (United States)  
Staff Engineer II  
December 2020—July 2021

Verified by  
**Donette Barreto**  
dbarreto@ndep.nv.gov

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

## TASKS

I work for the Nevada Division of Environmental Protection- Bureau of Water Pollution Control for the State of Nevada which is tasked with protecting Waters of the State from degradation by anthropogenic activities by issuing and enforcing Water Pollution Control Permits.

- I review individual, 5-year Water Pollution Control Permit applications and determine if the proposed activity has the potential to degrade Waters of the State and design the permit to mitigate any impacts from the operation and ensure proper monitoring is in place.
- I review temporary (180 day length) Working in Waterways and Temporary Discharge Permit applications to determine if the activity has the potential to degrade Waters of the State. I design the permit to mitigate any impacts from the activity and ensure proper monitoring is in place.
- I design, tailor, and modify Water Pollution Control Permits for various facilities that are assigned to me. The permits are written in accordance with NRS and NAC 445A and The Clean Water Act regulations.
- I review engineers documentation to ensure compliance with regulations (NAC 445A), policies, and accepted engineering principles and practices.
- I review monitoring reports for trends and contaminant exceedences in groundwater and surface water for monitoring. I identify all potential compliance issues and site concerns in order to modify permits accordingly.

## REPRESENTATIVE PROJECTS

Temporary Working in Waters Permit for Trail Creek Crossing for mine exploration activities in Elko County, Nevada  
The scope of the project was to evaluate a temporary working in waters permit to ensure that the proposed actions did not degrade Waters of the State.  
February 2021

I reviewed the Trail Creek Crossing working in waterways temporary permit application for completeness. I designed the permit limitations to allow for work to be conducted in the stream bed but also to be sufficiently protective of Waters of the State as outlined in NAC 445A.1354. I evaluated the best management practices plan to determine if it would be protective of Waters of the State. By allowing the exploration company to install a permanent waterway crossing, Waters of the State will be protected for the long-term because of decrease vehicle traffic, both recreational and mining, through the stream bed.



ADDITIONAL INFORMATION



QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil, Mining/Mineral, Environmental

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

No

# Land Surveyor

# PATRICIA YIN (13-828-83)

All work experience reviewed by two licensed professionals

DISCIPLINE: LAND SURVEYOR

## GENERAL



Applying To  
**Nevada**

Application Type  
**Comity - PS**

Application Date  
**08/27/2021**

Citizenship  
**United States**

## SUMMARY



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

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

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

Surveying Experience after  
EAC degree  
**2 years**

Total Surveying  
Experience  
**2 years**

Experience under licensed  
surveyor  
**2 years**

Other Experience

Disciplinary Action  
**None reported**



## EDUCATION



Associates in Arts  
**Miami Dade College**  
**August 2008–July 2010**

Bachelors in Civil Engineering (EAC)  
**Georgia Institute of Technology**  
**August 2010–May 2013**

Masters in Civil Engineering  
**University of Florida**  
**August 2013–May 2015**

**Note:** First license as a land surveyor.  
Licensed as a civil engineer in  
Nevada.



## EXAMS



Fundamentals of Engineering (FE)  
**Georgia**  
**October 2012**

Principles and Practice of Engineering (PE)  
**Civil**  
**Illinois PE**  
**April 2016**

Fundamentals of Surveying (FS)  
**California**

## LICENSES



Initial License  
**California**  
**Issued: June 2019**  
**Expires: September 2021**

Additional Licenses  
**NV**

**August 2019**

*Principles and Practice of Surveying (PS)*

**Nevada**

**August 2021**

# PATRICIA YIN (13-828-83)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Georgia Department of Transportation  
Georgia (United States)  
Civil Engineer 2  
September 2013—May 2017

Verified by  
**Jason Thomas Wiggins**  
gtg797t@gmail.com

Experience Summary  
**Full-Time**  
**Engineering: 3 years, 8 months**  
**Post EAC degree: 3 years, 8 months**  
**Experience under licensed engineer:**  
**3 years, 6 months**

### TASKS

As a Civil Engineer 2 at Georgia Department of Transportation my duties included planning, designing, construction, and operation of highways, roads, bicycle lanes and pedestrian crossing. I Estimate the transportation needs of the public and then design roadway projects. I analyzed locations of high traffic volumes and high collisions for safety and capacity. I also used engineering principles and state and local standards to improve the transportation system.

### REPRESENTATIVE PROJECTS

Sept 2013- May 2017

I reviewed, checked (by doing my own calculations), and provided redlines for private sector engineers submitting hydrology reports to ensure the stormwater flowing out of the proposed driveway met the requirements for driveway permits for commercial & residential access to state routes through the district (31 counties in Southwest Georgia).

December 2013

Developed the cost estimates for a bridge replacement project in on I-75 in Valdosta.

December 2013- Feb 2014

Designed I-75 acceleration lanes in Tifton. Calculated the adequate length for the lanes, designed the road widening plans, did the pavement design, and designed the striping plans.

Sept 2014-Nov 2015

Designed roadway plans for a Bridge replacement project in Miller county my contributions were:

- Calculated and designed drainage solutions for stormwater management on roadway projects by calculating the 10yr-50yr design storm and designing drainage components and Best Management Practices that were adequately sized .
- Design erosion and sedimentation control plans to meet environmental permit requirements.
- Designed Plans: cross-sections, striping plans, pavement, horizontal and vertical curves
- Performed Quantity Take-off: did earthwork calculations, materials estimates, and provided an estimated cost of construction.
- Ensures my design was within the limits of the environmental Permits.

Nov 2015 -May 2016

Performed construction inspections, implemented stormwater best management practices, and performed slump and air test on the concrete poured on site at the Leesburg bypass, GA Route 32, Jefferson interchange, and Broad Avenue Bridge.

April 2016 - May 2017

I Conducted Traffic Engineering Studies at locations with high crash rates throughout district 4 ( South West Georgia) and developed countermeasures to reduce crashes at 3 intersections crossing from Valdosta State University, along North Patterson street. I then designed restriping for the intersection and recommended the installation of Traffic Control Devices.

March 2017- May 2017

I designed bike lanes and parking lots along Ashley St. in downtown Valdosta, GA.

# PATRICIA YIN (13-828-83)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

YCE  
California (United States)  
Staff Engineer  
July 2017—October 2018

Verified by  
**Marta Y. Alvarez**  
yce-bo@pacbell.net

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

### TASKS

As Staff Engineer at YCE my work was about 20% Engineering and 80% Surveying. My duties were to performed detailed field surveys and maintained accurate notes, records and sketches to describe and certify work performed. I also researched previous survey evidence, maps, physical evidence and other records. I then designed plans, exhibits, and plats for various projects from topographic & boundary surveys. My duties included reviewing topographic, as-built, boundary, and A.L.T.A. surveys for agricultural, new construction, commercial, and residential sites. I also designed grading plans, drainage plans, Lot line adjustments, performed surveying adjustments and closure calculations.

### REPRESENTATIVE PROJECTS

7/10/2017- 7/11/2017 Somis, CA

Designed a topographic exhibit from a topographic field data for the client.

7/12/2017- 7/31/2017 Ventura, CA

Performed site inspections for implementation of the Stormwater Plan. inspected the Best Management Practices and oversaw the construction and installation of 3 fire hydrants, a 2" tap on a 12" pressurized line and as-built an assumed abandoned 30" line found on site as the rod person of the crew.

7/17/2017-7/21/2017 Camarillo, CA

Performed boundary survey. In this project I did the research, record drafting, and search calculations for the boundary. As part of a 2 person crew we dug up the monuments and shot them using GPS. In this project I ran both the data collector and the rod as a chainman in training to chief. I then designed Lot line adjustment, and wrote legal descriptions for the new lots. I also performed closure and adjustment calculations to submit to Ventura County.

7/21/17-8/7/17 Oxnard, CA

I Performed Topographic survey on site as the chainman. coordinated with the Southern California Edison for the location of the new power poles and the location of the power poles to be removed. Designed a topographic exhibit for the client.

8/9/2017-6/21/2018 Goleta, CA

Did record map research and search calculations. Then Performed a boundary and topographic survey on the site as both chainman and chief as this site we had various site visits. Staked out 2 flood easements and the locations of drainage improvements. I then did a hydrology study and designed and sized a debris basin, a grass swale, and other drainage features to ensure that no sediment left the site during a 10yr storm event. After the hydrology study and the designed were approved I designed the grading plans for all the drained features. Lastly I performed an as-built survey topographic survey of the site.

12/19/17- 6/8/2018 Point Mugu, CA

Adjusted survey data from a topographic survey for the installation of equipment on the Navy airfield. I converted the points from California State Plane coordinates in NAD 83 to WGS84. Then i calculated the locations of the equipment to be installed per the design from Navy engineers for the survey crew to stake-out.

6/11/2018-6/14/2018 Santa Barbara, CA

Did research and performed a boundary survey to reset a monument that was destroyed during construction. for this job I was the chainman in a 2 person crew using the Total Station, I ran the rob but also did training on the gun after the concrete monument was set.

4/24/2018 -5/3/2018 Somis, CA

Did record document research and record drafting, performed boundary survey as chainman and did topographic Survey for 2

ALTA surveys, adjusted survey data, and performed closure calculations. Then I plotted all easements and lots per their recorded legal descriptions.

7/20/2018- 9/27/18 Lompoc, CA

Designed topographic surfaces for 9 intersections along Ocean Ave from A street to 12th st for the installation of new ADA ramps from topographic surveys done by a field crew.

8/23/2018- 8/25/2018 Oxnard, CA

Performed search calculations base on an approved Record of Survey and set property corners as part of a 2 man crew. In this job I ran both the Total Station and the rod as we set 6 1" iron pipes at the property corners.

10/2018- Ventura, CA

As part of a two person crew level through the Ventura River to monitor water levels and monitoring wells. In this job I ran the rod the first half of the day and the level the second half of the day. I performed arithmetic checks long the way to ensure the errors were within tolerance.

# PATRICIA YIN (13-828-83)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Mark Hardy  
California (United States)  
Civil Designer  
October 2018—June 2019

Verified by  
**philipp a Angus**  
jun.angus@gmail.com

Experience Summary  
**Full-Time**  
**Engineering: 8 months**  
**Post EAC degree: 8 months**  
**Experience under licensed engineer:**  
**None**



### TASKS

My work at Hardy engineering. My duties included designing B-permit plans, making revisions to ongoing projects, and submitting them to the county.



### REPRESENTATIVE PROJECTS

10/2018-6/2019  
Mariposa Ave Los Angeles,  
Designed Plans for a 6 story condominium building with underground parking. Designed the grading plans, excavation plans, and Stormwater plans.

4/2019- 5/2019  
Pico Sepulveda Los, Angeles California  
Made revisions to B-permit Plans for new development. The changes included relocating street lights, revising the grading plans, and revising intersection improvement plans.



# PATRICIA YIN (13-828-83)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Westland Group  
California (United States)  
Project Engineer/surveyor  
July 2019—July 2021

Verified by  
**Aaron Mitchell Havens**  
Ahavens@westlandgroup.net

Experience Summary  
**Full-Time**  
**Surveying: 2 years**  
**Post EAC degree: 2 years**  
**Experience under licensed surveyor:**  
**2 years**

## TASKS

As a Project Engineer/ Surveyor my responsibilities are to:

- Serve as the project technical expert and assist staff with resolution of technical problems.
- Act as supervisor to both field technicians and drafting technicians.
- Ensure all aspects of a project are completed in a satisfactory manner, including but not limited to field crew setup, survey processing, processing of topographic field data, obtaining permits, and scheduling tasks.
- Perform fieldwork, drafting, data analysis, document preparation, legal descriptions and other aspects of land surveying.
- Prepare of proposals, estimates for projects, and maintaining client relationships.
- Establish legal boundaries for properties based on field data, record documents, and titles.
- Train survey staff in the use of equipment and proper field techniques.
- Assist the Project Manager with the overall plan production of a project, including individual designs (private and public improvements).
- Provide technical oversight to staff engineers, ensuring that project schedules and budgets are met.
- Performing complex civil design calculations, preparing sketches and technical studies as required.
- Coordinate project assignments with internal and external project team members including public agencies.
- Attend Project and Site Meetings with clients, architects, public agencies, and other consultants as needed.
- Review drawings supplied by vendors, clients, engineers and architects, recommending necessary changes and coordinating with internal documents.
- Research design options, documenting findings and coordinating with internal design team.
- Research code issues and working with city, state and county officials including plan processing, plan check follow-up and coordination, and permitting.

## REPRESENTATIVE PROJECTS

7/04/2019-6/12/2020 Arvin, CA

The Scope of this project was to as-built 2 miles of Natural Gas pipeline around a Quarry. My jobs consisted of supervising the survey crew on site to ensure all the data was collected correctly. I performed survey research and reconnaissance to establish boundary control. I also processed the crew's GPS and total station data in California State Plane coordinates. Once the as-built was complete I drafted a new Plat and Legal description for the new gas line easement.

7/04/2020- Present Los Angeles, CA

The scope of this Collect data for the design of as Natural Gas Regulation Station. I was responsible for overseeing the survey crew and assisted them in the field. I drafted the record boundary, using record maps and recorded documents, and performed search calculations and boundary analysis for the to establish boundary control. I also conducted utility research and drafted the Utility plans. I then processed the crew's surveyed data in state plane coordinates to design topographic surfaces for the engineering department to use as a base for their pipe design.

10/21/20- Present Cajon, CA

The scope of this project is draft easements for natural gas pipeline over a 4 square mile span through BLM land. I drafted record boundary and established boundary control based on found monuments. I also drafted plats & legal descriptions for new gasline easements and drafted a record of survey based on the survey performed by the crew.

07/01/2020-Present Bakersfield, CA

The scope of this project is to as-built natural gaslines. I am responsible for performing right-of-way staking calculations, drafting the record boundary, preparing the survey package, overseeing the survey crew, processing the survey crew's data, and drafting the boundary and performing boundary analysis.

# PATRICIA YIN (13-828-83)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Total Land Solutions LLC  
Nevada (United States)  
Manager  
July 2021 – August 2021

Verified by  
Patricia Yin (Self)

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



### TASKS

I am the manager and part owner of a landscaping company in las Vegas.



### REPRESENTATIVE PROJECTS

The company is new and has not done any projects yet.

ADDITIONAL INFORMATION



QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

No

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

No

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil, Surveying

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

No

7. Approval of  
July 14, 2021 Regular  
Board Meeting  
Minutes

**NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS**  
**Minutes of the Regular Board Meeting**  
**Held virtually, Wednesday, July 14, 2021, at 10:00 AM**

Board members present were Chairman Michael Kidd, PLS; Vice Chair Thomas Matter, public member; Karen Purcell, PE; Angelo Spata, PE; Matthew Gingerich, PLS; Lynnette Russell, PE; Robert Fyda, PE, and Greg DeSart, PE. Brent Wright, PE/SE was excused. Also present were Patty Mamola, Executive Director; Chris MacKenzie, Board Legal Counsel; Susan Fischer, Board Government Affairs Liaison; Murray Blaney, Operations/Compliance.

**1. Meeting conducted by Chair Michael Kidd, call to order and roll call of board members to determine presence of quorum—board members Karen Purcell, Thomas Matter, Angelo Spata, Matt Gingerich, Robert Fyda, Lynnette Russell, Brent Wright.**

Ms Mamola conducted a roll call and a quorum was present.

**2. Pledge of Allegiance**

**3. Public comment period**

There was no public comment.

**4. Introductions**

Those present introduced themselves.

Following introduction, Mr Kidd read the board's purpose and mission.

*The purpose of the board as stated in Nevada Revised Statute 625.005 is to safeguard life, health and property and to promote the public welfare by providing for the licensure of qualified and competent professional engineers and professional land surveyors and our mission is founded on the board's purpose, the board's mission is to uphold the value of professional engineering and land surveying licensure by assessing minimum competency for initial entry into the profession and to insure on going standard of professionalism by facilitating compliance with laws regulations and code of practice and to provide understanding and progression in licensure by openly engaging with all stake holders.*

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

There were no waiver requests to be considered.

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

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

21-47 A motion was made by Ms Purcell, seconded by Mr Fyda to approve the initial licensure applications contained in the addendum to the board packet as noted. The motion passed unanimously. Mr Wright was not present for the vote.

**7. Discussion and possible action on approval of May 20, 2021, board meeting minutes**

21-48 A motion was made by Mr Spata seconded by Ms Russell to approve the May 20, 2021, board meeting minutes. The motion passed unanimously. Mr Wright was not present for the vote.

**8. Discussion and possible action on approval of June 10, 2021, special board meeting minutes**

21-49 A motion was made by Ms Russell seconded by Ms Purcell to approve the June 10, 2021, special board meeting minutes. The motion passed unanimously. Mr Wright was not present for the vote.

**9. Discussion and possible action on May 2021 financial statements**

Ms Mamola reviewed the May 2021 financial statements as presented in the board packet. There were no questions from the board.

21-50 A motion was made by Ms Purcell, seconded by Mr Fyda to approve the May 2021 financial statements. The motion passed unanimously. Mr Wright was not present for the vote.

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

**a. Compliance officer report on complaints being investigated.**

Mr Blaney reported on the status of the eight (8) open compliance case files. There were no questions from board members.

**b. Consideration of probation reports:**

Richard Warren, PE #17389  
Dooley Riva, PE #18231  
Lazell Preator, PE #14982

John Skwiot, PE #20561  
Ralph Heninger, PE #5191

Mr Blaney said that the licensees currently on probation were all in good standing. He said Mr Preator's first payment is due on July 22, 2021. He added Mr Preator has requested a payment plan and discussions have begun.

Ms Purcell asked what will happen to Mr Preator if he does not pay by July 22.

Mr Blaney said Mr Preator would be notified that non-payment is considered a violation of the terms of his stipulated agreement.

Mr MacKenzie added that in stipulated agreements, there is typically a suspension of license, and the board will be given the opportunity to lift the stay of the suspension after the professional has an opportunity to be heard at an agendaized board meeting.

**11. Discussion and possible action on stipulated agreement for Robert Mercado, PLS, license number 010352, complaint number 20210001**

Mr MacKenzie introduced the stipulated agreement included in the meeting packet. He said the stipulated agreement is for the board's consideration and vote and is related to a complaint against a professional land surveyor. Mr MacKenzie said Mr Mercado agreed to the proposed discipline and signed the stipulated agreement that is presented for the board's consideration. He asked if board members had any questions or comments.

Mr Gingerich asked for clarification, as the board liaison on the complaint, whether he abstains from voting.

Mr MacKenzie said Mr Gingerich can vote but not participate in the discussion. If the board were hearing additional evidence in an official hearing Mr Gingerich would than abstain.

21-51 A motion was made by Mr Kidd, seconded by Ms Purcell to approve the stipulated agreement for Robert Mercado, PLS, license number 010352, complaint number 20210001. The motion passed unanimously. Mr Wright was not present for the vote.



**12. Intentionally left blank.**

**13. Discussion on Board Counsel Report**

Mr MacKenzie said that he is working on another stipulated agreement that is fully drafted and subject to review by the liaison, the executive director and staff. He said that there is another pending matter regarding a letter of concern that he is working on with Ms Mamola.

**14. Discussion and possible action on administrative report by Executive Director**

**a. Approved licensees report**

Ms Mamola reviewed the approved licensees report in the board packet and answered board member questions.

**b. Action items related to 2021-2025 Strategic Plan**

Ms Mamola said the revised strategic plan was a standing agenda item to allow for board discussion on any items related to the plan. She added since the revision in 2020, not all of the tactics and action items had been added to the document.

Mr Blaney said there is still a couple of board committees that have yet to discuss their assigned strategies and draft tactics and actions items. He added this should be completed before the end of the year.

Mr Kidd asked if change was happening as a result of the plan's revision.

Ms Mamola said yes. Tactics and actions that have been assigned by committees that have completed their review and are being used by staff now to guide work priorities.

Ms Russell asked if there was value in an annual check-in on the plan's revision in September – one year since the revisions were made.

Mr Blaney said with a couple of committees still to fully develop tactics, it would be better served to push the check-in to 2022.

Ms Mamola said that with the plan being a standing item, board members are able to discuss any issues related to the plan, and agenda items can be added to future committee or board meetings if action is required.

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

Ms Mamola said that the NCEES annual meeting will be held in-person August 18<sup>th</sup> through August 21<sup>st</sup> in New Orleans, Louisiana. She added that only three people are allowed to attend from each state and said she, Mr Kidd and Ms Purcell would be representing the board.

**i. 2021 Annual Meeting Action Items and Conference Reports**

Ms Mamola said that the NCEES action items and conference report are included on page 249 in the board book. She said that a summary memo was added to Dropbox to help guide the discussion, and she opened a discussion for everyone to discuss their opinions on the memo that was prepared.

The contents of the memo were discussed and there was board consensus to support the recommendations contained within the memo with two caveats. The first was to not support UPLG motion 4 that removes the PLS license requirement for survey field experience and the second was to not support ACCA motion 2 that removes the requirement that the NCEES presiding officer give approval to emeritus members for the privilege of the floor.

Mr Spata stated as a board we are just expressing our opinion and discussing how we'll vote on the action items at the NCEES Annual Meeting. Since only three representatives from Nevada will be attending the meeting, obviously there will be debate at the NCEES meeting that could affect the final outcome/vote. Based on discussions today, those three members understand the board's consensus so that can be factored into discussions/decisions happening on the fly.

Ms Mamola stated that yes, Mr Spata was correct. She also stated she would inform David Cox, NCEES CEO, of Nevada's position on the items discussed today in advance of the annual meeting and if appropriate NCEES could work to address Nevada's concerns in advance of the meeting.

**d. Consideration of board authorized digital signatures including the possibility of requiring third-party verification of digital signatures, input received from southern and northern Nevada building departments and licensees.**

Ms Mamola said she had nothing to report on this item.

**15. Discussion and possible action on board committee reports.**

**a. Administrative Procedures Oversight Committee, Chair Michael Kidd**

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

**b. Legislative Committee report, Chair Angelo Spata**

Mr Spata said before getting to the listed items on the agenda, he wanted to summarize the other items discussed at the committee's meeting on June 17, 2021.

- LCB file number R141-20P.

The updated regulation amendments relating to disciplinary action advisory committees is not yet back from LCB. Last talked with LCB in mid-May to give context to our requested revisions but have not heard back since – suspect they have been tied up with legislative session.

- 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.

Decision made to develop position statement of the issues to be addressed. This item to encompass discipline specific vs PE state discussion action item from the previous LegComm meeting on 5.20.2020. Ms Purcell and Ms Mamola will draft the statement. The committee recommended a working group be formed to discuss and identify possible solutions to the issues identified by a position statement. Ms Purcell will lead the working group.

- Consider alternative paths to licensure for teaching professors and PhD applicants.

The committee recommended no action be taken on this item. Committee discussed public comment from 5.20.2021 board meeting requesting consideration of waiving license renewal fees for university faculty. The committee recommended no action be taken on this item.

- Consider alternative option to state specific exam for Western state professional land surveyor endorsement applicants.

Committee recommended no action at this time, but to be reconsidered following the release of NCEES PLSS module.

**i. Consider eliminating application fees for military veterans and spouses of military veterans.**

Mr Spata said the committee considered this item and made the recommendation to reduce all application fees to \$0 for veterans and veteran spouses. The item has been agendaized for full board consideration. Mr Spata said the memo included in the board packet provides background for this item.

Mr Gingerich asked what the annual financial impact would be.

Mr Blaney said sampling was done of applicants over the last three years to get the estimated revenue

reduction of \$5,000 per year. He added the reduction applies only to application fees for initial and endorsement licensure – the proposed change would not impact pro-rated initial license fees or license renewal fees.

21-52 A motion was made by Mr Spata, seconded by Mr DeSart to approve eliminating application fees for military veterans and spouses of military veterans. The motion passed unanimously. Mr Wright was not present for the vote.

**ii. Consider eliminating Nevada specific exam for PE endorsement licensure applicants and in its place institute an attestation confirming familiarity with Nevada Revised Statutes and Nevada Administrative Code Chapter 625.**

Mr Spata said the committee considered this item and made the recommendation to eliminate short take home exam on Nevada statutes and regulations for endorsement licensure applicants and replace with attestation confirming familiarity with the laws and rules of the state. He said the item was added for discussion and consideration by the full board.

Mr DeSart said he had a hesitation because not knowing Nevada laws was a root cause of many disciplinary actions and moving from an exam to attestation may reduce the attention due by new licensees.

Ms Mamola said she believed moving to an attestation would increase the attention paid to Nevada laws. She added the introduction to the attestation and the attestation itself can be worded that ignorance to Nevada laws is not an excuse when subject to disciplinary action.

Mr Kidd suggested that any attestation text include some acknowledgment that the licensee has reviewed and understood the laws, but also that the licensee understands and acknowledges that it is their responsibility to stay current with amendments to statutes and regulations.

21-53 A motion was made by Mr Spata, seconded by Mr Fyda to approve eliminating the Nevada specific exam for PE endorsement licensure applicants and in its place institute an attestation confirming familiarity with Nevada Revised Statutes and Nevada Administrative Code Chapter 625, with the legislative committee to review and approve the attestation text. The motion passed unanimously. Mr Wright was not present for the vote.

Ms Mamola said draft text would be prepared and presented to the legislative committee for review. (ACTION item)

**iii. Consider a future bill draft request to update Nevada Revised Statute 338.173 related to certificates of eligibility.**

Mr Spata said the committee considered this item about the update or repeal of NRS 338.173. It was decided to consult with PAL committee participants for the input and move to the board for consideration. Mr Spata said the memo included in the board packet gives background to item.

Mr Gingerich said there was no pushback from the attendees at the PAL meeting.

Ms Mamola said she would connect with ACEC (Mr Hannafin) for the association's perspective.

Mr DeSart said he thought repealing the statute would be best – in that it is a bad law. He added he doubted there would be any negative feedback from public entities.

Ms Mamola agreed that repealing versus amending was the better course of action.

21-54 A motion was made by Mr Spata, seconded by Ms Russell to approve a bill draft request to repeal NRS 338.173 related to certificates of eligibility. The motion passed unanimously. Mr Wright was not present for the vote.

Ms Mamola said the bill draft request would be added to the legislative committee action item list. (ACTION Item)

**iv. Consider a future bill draft request to update Nevada Revised Statute 625.050 related to engineer in responsible charge of observation, inspection, and testing of construction.**

Ms Mamola gave the background related to the item and reviewed the supporting memo. She asked for board member comments.

Mr DeSart said as an area he practices, and where licensees have been disciplined for not complying with the statutes as a professional engineer while in responsible charge of inspections and materials testing, it is a great idea to clarify the NRS. The way it's written right now, it's open to interpretation. He stated he was in support of an amendment to clarify that material inspections and/or materials testing, must be done under the responsible charge of an engineer.

Ms Mamola said the recommended language in the white paper replaces the text *responsible supervision of construction operations* with *observation, inspection and testing of construction for the purpose of providing the client with a greater degree of confidence that the construction complies with the project documents*.

Mr DeSart suggested adding the text of *construction and construction materials* for further clarity.

21-55 A motion was made by Mr Spata, seconded by Mr Fyda to approve a bill draft request to

to update Nevada Revised Statute 625.050 related to engineer in responsible charge of observation, inspection, and testing of construction *and construction materials* (amended). The motion passed unanimously. Mr Wright was not present for the vote.

Ms Mamola said the amended text would be presented to the legislative committee for review as part of the BDR process. (ACTION Item)

Mr MacKenzie clarified for the board the items discussed and voted on would still need to go through the regulatory and statutory public review processes before going into effect.

**c. Professional Association Liaison Committee, Chair Matt Gingerich**

Mr Gingerich updated board members on PAL Committee activities. He said the committee is recommending to separate the quality-based plan submittals issue away from PAL as it was dominating the recent meetings and diverting from the core purpose of the committee. A taskforce will be formed, and we are looking to the agencies to take a leading role and the board will move to a position of facilitation.

Ms Mamola added, if the board agrees, we could look for a champion outside of the board to chair the taskforce, with a representative of the board just participating – someone who can champion the issue from the board's perspective.

Ms Russell expressed interest in being involved as a board representative.

Mr Kidd suggested Mr DeSart, as a possible chair because of his involvement in the early meetings related to issue.

Ms Mamola suggested that since the City of Henderson brought the issue to us, maybe they would want to provide a champion and possibly chair the task force.

Mr Kidd agreed and said he would connect to see if they were willing and then pass on the contact information to Ms Mamola.

Ms Mamola said she would work on the formation and structure of the taskforce with those interested. (ACTION Item)

Mr Gingerich said the next PAL meeting was scheduled for September 16, 2021, at 8am.

**d. Public Outreach Committee, Chair Brent Wright**

Ms Mamola said the committee had not met since the last board meeting and there was nothing to report.

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

Mr Gingerich said the committee has not met since the last board meeting and there are still some homework items that need to be completed before the next meeting can be scheduled.

Ms Mamola added that staff has received some items from the committee and need to follow-up on others, but other items are taking priority at the moment.

Mr Gingerich said the urgency to move forward is not pressing but we would like to be moving again before the end of the year.

**f. Committee for Planning and Hosting of 2022 NCEES Western Zone Meeting in Nevada**

Ms Purcell said there had been no further meetings of the committee – so there was no update.

**16. Discussion and possible action on board committee assignments for July 1, 2021, thru June 30, 2022.**

Mr Mackenzie said before assignments are finalized for committees, a reminder that the board members on any given committee, who are voting members, cannot constitute a quorum of the board. He added that no more than four board members can participate, as guests so to speak, but they cannot vote.

Mr Kidd reviewed committee assignments with the board and adjustments were made. He said Ms Mamola will finalize the assignment list and notify board members. (ACTION Item)

**17. Discussion and possible action on legislative session report from Board's government Liaison, Susan Fisher.**

Ms Fisher said the overview provided in the board packet outlined the major bills worked on gives a summary of the major themes of the legislative session. She gave an overview of the priorities of the session, touching on the healthcare and mining tax bills and their outcomes and impacts. Ms Fisher also recapped AB 173 – the bill put forward by the board – the bill passed and SB 155, relating to the State Engineer which the board opposed, that did not pass.

Ms Fisher addressed the occupational licensing bill, directed at health care regulatory boards, that did not pass, and discussed SB 402 – which also didn't pass – but said the elements in that bill, that the

board has voted to pursue/support will be shared with the primary driver of the bill, Senator Spearman.

Ms Fisher said relating to the regulations the board has that are still to go before the legislative commission, she will be reaching out to the members of the commission to brief them so that they don't have any questions that may hold up the approval process.

Ms Fisher said the legislature is going to experience significant turnover before the next session. A number of sitting members are terming out and others are not seeking re-election. She said the turnover will create an experience gap and building new relationships will be a focus as the change unfolds.

Mr Kidd asked what the timeframe would be for finding a bill sponsor for our pending bill draft requests.

Ms Fisher said it would be around 12 months, but she would be talking to potential sponsors well ahead of time to make the process easier.

Ms Mamola said to get a head start on the process, staff would draft the language for the BDRs to include as an agenda item on the next scheduled legislative committee meeting. (ACTION Item)

Mr DeSart said with board members being appointed by the Governor, and we have a very full election race coming up – and knowing that candidates may request donations of a board member, that as an individual making a donation there is no ethical violations – the issue of contributions has potential to put board members in a compromising position. He added if an instance arose where board members were approached by candidates, and someone was to make a connection and say I might be able to help you get on the board or it may help you stay on the board or whatever the case may be hypothetically, would that be considered an ethical violation.

Ms Fisher said to put a board member in that hypothetical situation would be an ethics violation.

Mr Spata said his thought would be stay neutral and not donate to any candidate.

Mr DeSart agreed with Mr Spata, that as a board member, staying neutral would be the best practice.

#### **18. Discussion and possible action on status of Board and staff assignments.**

Ms Mamola said the action item list and status of board and staff assignments is shown on page 294 of the board packet. The list included all action items from board meetings as well as committees so that anyone who is interested can see all action items in one document. Ms Mamola asked if any



clarifications were needed or if the board had questions. There were no questions from the board.

**19. Discussion and possible action on meeting dates.**

Ms Purcell said she had a conflict with the July 14, 2022, board meeting date, and requested consideration of July 21, 2022, as an alternate.

Following discussion it was agreed to move the board meeting to July 21, 2022. (ACTION Item)

Ms Mamola reminded board members of the schedule for brief interim board meetings to review applications for initial licensure.

**20. 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 discussion.

**21. Public comment.**

There was no public comment.

**22. Adjournment**

Mr Kidd thanked board members for their participation and adjourned the meeting at 2:00pm.

Respectfully,

Patty Mamola  
Executive Director

# Addendum A

## Addendum A - July Initials

LNAME	FNAME	ABREV	COMMENTS
Cote	Bryant	CE	Board approved; 7/14/21
Gubello	Frank	CE	Board approved; 7/14/21
Han	Zhibo	CE	Board approved; 7/14/21
Khan	Ozair	CE	Board approved; 7/14/21
Kumar	Saket	CE	Board approved; 7/14/21
Lawrence	Rachel	CE	Board approved; 7/14/21
Moore	Zachary	CE	Board approved; 7/14/21
Quinton	Brandon	CE	Board approved; 7/14/21
Qureshi	Muzammil	CE	Board approved; 7/14/21

LNAME	FNAME	ABREV	COMMENTS
Rossman	Jeffrey	CE	Board approved; 7/14/21
Schlatter	David	CE	Board approved; 7/14/21
Shamblin	Trevor	CE	Board approved; 7/14/21
Teklu	Yifredew	CE	Board approved; 7/14/21
Timmerman	Megan	CE	Board approved; 7/14/21
Ting	Debrexan	CE	Board approved; 7/14/21
Velarde	Marco	CE	Board approved; 7/14/21
Wetzell	Matthew	EE	Board approved; 7/14/21
Winward	William	EE	Board approved; 7/14/21
Aditya Inbasekaran	Fnu	SE	Board approved; 7/14/21

LNAME	FNAME	ABREV	COMMENTS
Ibrahim	Ahmed	SE	Board approved; 7/14/21
Plasmyer	Jesse	SE	Board approved; 7/14/21

8. Approval of  
August 12, 2021  
Special Board Meeting  
Minutes

**NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS**  
**Minutes of the Interim Board Meeting**  
**Held virtually, Thursday, August 12, 2021**

Board members participating were Chairman Michael Kidd, PLS, Karen Purcell, PE; Angelo Spata, PE; Matthew Gingerich, PLS; Brent Wright, PE/SE; Robert Fyda, PE; Lynnette Russell, PE; Greg DeSart, PE. Also joining were Patty Mamola, Executive Director; Chris MacKenzie, Board Legal Counsel. Vice-Chair Thomas Matter, public member was absent.

1. Meeting conducted by Chair Michael Kidd, call to order and roll call of board members to determine presence of quorum—board members Karen Purcell, Thomas Matter, Angelo Spata, Brent Wright, Matt Gingerich, Robert Fyda, Lynnette Russell, Greg DeSart.

Ms Mamola conducted a roll call and a quorum was present.

2. Pledge of Allegiance

3. Public comment.

There was no public comment.

4. 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.

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

The Board reviewed fifteen applications in the board packet for initial licensure.

Mr Spata asked to discuss civil engineering applicant Reichman due to concerns with experience. Mr Fyda and Mr DeSart also questioned Reichman's experience.

Ms Mamola reminded board members that construction management is engineering. There is a NCEES Civil-Construction exam that has existed for many years now.

Mr DeSart stated applicants should have a solid two years before they submit their application, so the board doesn't have to guess or make assumptions, unless the applicant asks for a waiver describing the reasons why they don't have the required 2-years of supervision under a professional. For this

particular applicant, Mr DeSart stated he would not hold them back for not having the two-years of supervision at the time of application since they would now have the time as of the date of this meeting. Mr DeSart stated he was making a general comment for future consideration. Mr DeSart also asked for clarification on letters sent to applicants regarding practicing in an applicant's area of expertise.

Ms Mamola stated it is standard for all letters to have a statement about an applicant only being able to practice within their areas of expertise within their licensed discipline. Civil engineers are also reminded of structural limitations.

Ms Mamola also stated that she made note of Mr DeSart's concern related to having four-years of experience and two-years of supervision by a professional at the time of application, not by the time of a board meeting, and will make sure that is the case going forward.

After further review of Mr Reichman's application and following the board discussion, it was deemed Mr Reichman had adequate experience for licensure.

Mr Kidd asked if there was a motion to approve the fifteen applicants for initial licensure.

21-56 A motion was made by Ms Karen Purcell, seconded by Ms Lynnette Russell to approve the initial licensure applications as noted. The motion passed unanimously. Mr Matter was not present for the vote.

#### 6. Public comment.

There was no public comment.

#### 7. Adjournment

Mr Kidd congratulated the new applicants that had participated in the meeting, thanked the board members for their participation, and adjourned the meeting at 9:29am.

Respectfully,

Patty Mamola

Executive Director



# Addendum A

# Addendum A - August Initials

LNAME	FNAME	ABREV	COMMENTS
Beavers	Ryan	CE	Board Approved; 8/12/21
Brinkman	Kyle	CE	Board Approved; 8/12/21
Franco Rivas	Humberto	CE	Board Approved; 8/12/21
Grimaldi	Aurelia	CE	Board Approved; 8/12/21
Kasozi	Andrew	CE	Board Approved; 8/12/21
Kotkar	Tejas	CE	Board Approved; 8/12/21
Manickam	Sheeba Rose Mary	CE	Board Approved; 8/12/21
Palffy	Danielle	CE	Board Approved; 8/12/21
Poustie	Andrew	CE	Board Approved; 8/12/21
Reichman	Stefanie	CE	Board Approved; 8/12/21

LNAME	FNAME	ABREV	COMMENTS
Sarmiento	Bryan	CE	Board Approved; 8/12/21
Susee	Evan	CE	Board Approved; 8/12/21
Vallarino	Matthew	CE	Board Approved; 8/12/21
Beyer	Erich	EE	Board Approved; 8/12/21
Nelsen	Jeremy	ME	Board Approved; 8/12/21

# 9. Financial Statements

9.a. June 2021

**Nevada Board of Professional Engineers & Land Surveyors**  
**Profit & Loss Budget Performance**  
June 2021

07/07/21

Accrual Basis

	Jun 21	Budget	\$ Over Budget	% of Budget	Jul '20 - Jun 21	YTD Budget	\$ Over Budget	% of Budget	Annual Budget
<b>Ordinary Income/Expense</b>									
<b>Income</b>									
<b>4000 · REVENUE</b>	165,490.36	167,525.00	-2,034.64	98.8%	981,841.94	830,550.00	151,291.94	118.2%	830,550.00
<b>Total Income</b>	165,490.36	167,525.00	-2,034.64	98.8%	981,841.94	830,550.00	151,291.94	118.2%	830,550.00
<b>Gross Profit</b>	165,490.36	167,525.00	-2,034.64	98.8%	981,841.94	830,550.00	151,291.94	118.2%	830,550.00
<b>Expense</b>									
<b>5100 · PAYROLL EXPENSES</b>	38,051.01	41,434.00	-3,382.99	91.8%	489,027.35	517,921.14	-28,893.79	94.4%	517,921.14
<b>5110 · PAYROLL TAXES</b>	2,816.51	2,704.94	111.57	104.1%	32,601.99	34,671.96	-2,069.97	94.0%	34,671.96
<b>6001 · OPERATING EXPENSES</b>	29,950.95	32,863.00	-2,912.05	91.1%	356,880.38	479,743.08	-122,862.70	74.4%	479,743.08
<b>Total Expense</b>	70,818.47	77,001.94	-6,183.47	92.0%	878,509.72	1,032,336.18	-153,826.46	85.1%	1,032,336.18
<b>Net Ordinary Income</b>	94,671.89	90,523.06	4,148.83	104.6%	103,332.22	-201,786.18	305,118.40	-51.2%	-201,786.18
<b>Other Income/Expense</b>									
<b>Other Income</b>									
<b>4500 · Other Income</b>	0.00				0.00	0.00	0.00	0.0%	0.00
<b>Total Other Income</b>	0.00				0.00	0.00	0.00	0.0%	0.00
<b>Net Other Income</b>	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%	0.00
<b>Net Income</b>	<b>94,671.89</b>	<b>90,523.06</b>	<b>4,148.83</b>	<b>104.6%</b>	<b>103,332.22</b>	<b>-201,786.18</b>	<b>305,118.40</b>	<b>-51.2%</b>	<b>-201,786.18</b>

## Profit &amp; Loss YTD Comparison

June 2021

	Jun 21	Jul '20 - Jun 21
<b>Ordinary Income/Expense</b>		
<b>Income</b>		
4000 · REVENUE		
4201 · Application Fees		
4202 · PE Comity Application	12,500.00	121,725.00
4203 · PLS Comity Application	500.00	4,275.00
4204 · PE Initial License Application	525.00	4,325.00
4205 · PLS Initial License Application	0.00	100.00
4206 · PE Reinstatement Application	1,400.00	14,600.00
4207 · PLS Reinstatement Application	0.00	400.00
4208 · EI Certification Application	0.00	8,200.00
<b>Total 4201 · Application Fees</b>	<b>14,925.00</b>	<b>153,625.00</b>
4250 · Renewals & Exam Fees		
4251 · PE/PLS Renewals	132,400.00	648,925.00
4252 · Renewal Late Fees	0.00	200.00
4253 · PE License Fees	9,075.00	70,470.00
4254 · PLS License Fees	25.00	1,100.00
4255 · NV Specific Exam Fees	300.00	2,700.00
<b>Total 4250 · Renewals &amp; Exam Fees</b>	<b>141,800.00</b>	<b>723,395.00</b>
4300 · Other Revenue		
4301 · Replacement Certificate/Pocket	10.00	245.00
4302 · Stamp Fees	0.00	380.30
4303 · Interest Income	655.36	11,866.34
4304 · Discipline Pd to NV Gen Fund	3,950.00	9,400.00
4305 · Investigative Cost Recovery	0.00	1,476.50
4307 · Firm Registration	4,150.00	78,075.00
4308 · Business Name Request	0.00	1,250.00
4311 · Waiver/Document Fees	0.00	1,450.00
4312 · Online Convenience Fees	0.00	678.80
<b>Total 4300 · Other Revenue</b>	<b>8,765.36</b>	<b>104,821.94</b>
<b>Total 4000 · REVENUE</b>	<b>165,490.36</b>	<b>981,841.94</b>
<b>Total Income</b>	<b>165,490.36</b>	<b>981,841.94</b>
<b>Gross Profit</b>	<b>165,490.36</b>	<b>981,841.94</b>
<b>Expense</b>		
5100 · PAYROLL EXPENSES		
5102 · Employee Health Insurance	1,605.09	71,607.60
5103 · Employee IRA/SEP	0.00	15,693.93
5105 · Payroll Service Fees	160.18	1,584.62
5107 · Salaries	36,285.74	397,491.20
5108 · Board Salaries	0.00	2,650.00
<b>Total 5100 · PAYROLL EXPENSES</b>	<b>38,051.01</b>	<b>489,027.35</b>
5110 · PAYROLL TAXES		
5111 · FICA	2,249.72	24,167.92
5113 · Medicare	526.13	5,763.91
5114 · Modified Business Tax	0.00	2,127.18
5116 · SUINV	40.66	542.98
<b>Total 5110 · PAYROLL TAXES</b>	<b>2,816.51</b>	<b>32,601.99</b>

## Nevada Board of Professional Engineers &amp; Land Surveyors

07/07/21

## Profit &amp; Loss YTD Comparison

Accrual Basis

June 2021

	Jun 21	Jul '20 - Jun 21
<b>6001 · OPERATING EXPENSES</b>		
<b>Non State Owned Office Bldg.</b>		
6002 · Rent	11,737.71	95,083.05
6004 · Utilities	267.50	1,313.58
6005 · Telephone/Internet	549.76	6,266.48
6005.5 · Janitorial	0.00	1,320.00
<b>Total Non State Owned Office Bldg.</b>	12,554.97	103,983.11
6006 · Office Supplies	66.67	7,396.85
<b>6007 · Equipment/Furniture</b>		
6010 · Equipment Purchases	0.00	3,539.65
6011 · Equipment Leasing	210.72	3,597.31
6012 · Software		
6012.5 · Software	136.98	5,991.79
<b>Total 6012 · Software</b>	136.98	5,991.79
6015 · Website Hosting	55.00	963.63
<b>Total 6007 · Equipment/Furniture</b>	402.70	14,092.38
<b>6101 · Insurance</b>		
6102 Workers Comp	0.00	2,907.66
6103 · General Liability	0.00	1,196.72
6104 · Office Contents	0.00	68.64
<b>Total 6101 · Insurance</b>	0.00	4,173.02
<b>6201 · Postage</b>		
6202 · Postage	90.55	11,142.74
6202.5 · E-Postage	0.00	2,085.00
<b>Total 6201 · Postage</b>	90.55	13,227.74
<b>6301 · Board Meetings</b>		
6302 · Travel - Out of State	0.00	279.96
6303 · Travel - In State	0.00	1,294.44
6304 · Board Meeting Expenses	49.48	3,606.21
<b>Total 6301 · Board Meetings</b>	49.48	5,180.61
<b>6401 · Printing</b>		
6402 · Printing General	0.00	7,295.72
<b>Total 6401 · Printing</b>	0.00	7,295.72
<b>6501 · Professional Services</b>		
<b>6502 · Legal</b>		
6503 · Board Meetings	3,451.00	23,518.00
<b>6504 · Regulations/Legislation</b>		
6504.1 · Deferred Exp-Regs/Legislation	0.00	10,786.50
6504.5 · Regulations/Legislation	0.00	-1,594.00
6504 · Regulations/Legislation - Other	1,160.00	1,160.00
<b>Total 6504 · Regulations/Legislation</b>	1,160.00	10,352.50
6505 · Discipline	3,884.50	14,599.50
<b>Total 6502 · Legal</b>	8,495.50	48,470.00
6508 · Accounting Fees	0.00	13,051.00



## Nevada Board of Professional Engineers &amp; Land Surveyors

07/07/21

## Profit &amp; Loss YTD Comparison

Accrual Basis

June 2021

	Jun 21	Jul '20 - Jun 21
6509 · Governemnt Liaison Services		
6509.1 · Def Exp-Government Liaison	0.00	6,000.00
6509.5 · Government Liaison	3,000.00	21,328.00
<b>Total 6509 · Governemnt Liaison Services</b>	<b>3,000.00</b>	<b>27,328.00</b>
6510 · Database/Website Design		
6510.1 · Deferred Exp-Website Update	0.00	1,850.00
6510.2 · Deferred Exp-Database Update	0.00	7,401.80
6510.5 · Database/Website Design	0.00	35,346.50
<b>Total 6510 · Database/Website Design</b>	<b>0.00</b>	<b>44,598.30</b>
6511 · Public Outreach	0.00	0.00
6514 · Contract Labor		
6514.1 · Def Exp-Contract Labor	0.00	145.20
6514.5 · Contract Labor	0.00	1,043.65
<b>Total 6514 · Contract Labor</b>	<b>0.00</b>	<b>1,188.85</b>
6515 · IT Support	967.00	11,604.00
<b>Total 6501 · Professional Services</b>	<b>12,462.50</b>	<b>146,240.15</b>
6601 · Program Services		
6604 · NCEES		
6605 · Dues	0.00	6,500.00
<b>Total 6604 · NCEES</b>	<b>0.00</b>	<b>6,500.00</b>
6608 · Stamp Purchases	0.00	332.88
6609 · Investigations	0.00	2,363.47
6616 · Merchant Services Fees	3,021.04	30,708.38
<b>Total 6601 · Program Services</b>	<b>3,021.04</b>	<b>39,904.73</b>
6700 · Other		
6702 · Discipline Pd to NV Gen Fund	0.00	5,450.00
6704 · State Administrative Fees		
6705 · Attorney General	0.00	169.80
6709 · Email - EITS	374.04	6,569.28
6710 · Leg. Counsel Bureau	0.00	1,550.00
<b>Total 6704 · State Administrative Fees</b>	<b>374.04</b>	<b>8,289.08</b>
6720 · Miscellaneous	0.00	600.00
<b>Total 6700 · Other</b>	<b>374.04</b>	<b>14,339.08</b>
6801 · Training & Conferences		
6804 · Registration	929.00	1,046.99
<b>Total 6801 · Training &amp; Conferences</b>	<b>929.00</b>	<b>1,046.99</b>
<b>Total 6001 · OPERATING EXPENSES</b>	<b>29,950.95</b>	<b>356,880.38</b>
<b>Total Expense</b>	<b>70,818.47</b>	<b>878,509.72</b>
<b>Net Ordinary Income</b>	<b>94,671.89</b>	<b>103,332.22</b>
<b>Net Income</b>	<b>94,671.89</b>	<b>103,332.22</b>

## Balance Sheet

As of June 30, 2021

	<u>Jun 30, 21</u>
<b>ASSETS</b>	
Current Assets	
Checking/Savings	
1001 · ASSETS	2,460,819.14
Total Checking/Savings	2,460,819.14
Other Current Assets	
1305 · Prepaid Expense	7,750.00
1310 · Prepaid Lease/Deposit	5,005.00
Total Other Current Assets	12,755.00
Total Current Assets	2,473,574.14
<b>TOTAL ASSETS</b>	<b><u>2,473,574 .14</u></b>
<b>LIABILITIES &amp; EQUITY</b>	
Liabilities	
Current Liabilities	
Other Current Liabilities	
2001 · PAYROLL LIABILITIES	37,106.16
4100 · Deferred Revenue	783,921.69
Total Other Current Liabilities	821,027.85
Total Current Liabilities	821,027.85
Total Liabilities	821,027.85
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	1,169,214.07
Net Income	103,332.22
Total Equity	1,652,546.29
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b><u>2,473,574 .14</u></b>

## Balance Sheet Detail

As of June 30, 2021

	Jun 30, 21
<b>ASSETS</b>	
Current Assets	
Checking/Savings	
1001 · ASSETS	
1051 · First Indep. Bank - Operating	395,043.37
1052 · First Indep. Bank - Payroll	28,261.06
1053 · First Indep. Bank - Petty Cash	2,537.94
1054 · First Indep. Bank - MMA	464,216.39
1055 · First Indep. Bank - 24mo CD	529,763.74
1056 · First Indep. Bank - 18mo CD	263,911.15
1057 · First Indep. Bank - 12mo CD	262,124.27
1058 · First Indep. Bank - 24mo FlexCD	514,961.22
Total 1001 · ASSETS	2,460,819.14
Total Checking/Savings	2,460,819.14
Other Current Assets	
1305 · Prepaid Expense	7,750.00
1310 · Prepaid Lease/Deposit	5,005.00
Total Other Current Assets	12,755.00
Total Current Assets	2,473,574.14
<b>TOTAL ASSETS</b>	<b>2,473,574 .14</b>
<b>LIABILITIES &amp; EQUITY</b>	
Liabilities	
Current Liabilities	
Other Current Liabilities	
2001 · PAYROLL LIABILITIES	
2002 · Accrued Benefits	23,223.41
2008 · Health Care W/H	
2010 · Employee	13,485.49
Total 2008 · Health Care W/H	13,485.49
2017 · Modified Business Tax	396.87
2019 · SUINV	0.39
Total 2001 · PAYROLL LIABILITIES	37,106.16
4100 · Deferred Revenue	783,921.69
Total Other Current Liabilities	821,027.85
Total Current Liabilities	821,027.85
Total Liabilities	821,027.85
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	1,169,214.07
Net Income	103,332.22
Total Equity	1,652,546.29
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>2,473,574 .14</b>

9.b. July 2021

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08/27/21

Accrual Basis

**Nevada Board of Professional Engineers & Land Surveyors**  
**Profit & Loss Budget Performance**  
 July 2021

	<u>Jul 21</u>	<u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>	<u>Jul 21</u>	<u>YTD Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>	<u>Annual Budget</u>
Ordinary Income/Expense									
Income									
<b>4000 · REVENUE</b>	<u>54,803.01</u>	<u>38,383.34</u>	<u>16,419.67</u>	<u>142.8%</u>	<u>54,803.01</u>	<u>38,383.34</u>	<u>16,419.67</u>	<u>142.8%</u>	<u>924,300.00</u>
<b>Total Income</b>	<u>54,803.01</u>	<u>38,383.34</u>	<u>16,419.67</u>	<u>142.8%</u>	<u>54,803.01</u>	<u>38,383.34</u>	<u>16,419.67</u>	<u>142.8%</u>	<u>924,300.00</u>
<b>Gross Profit</b>	<u>54,803.01</u>	<u>38,383.34</u>	<u>16,419.67</u>	<u>142.8%</u>	<u>54,803.01</u>	<u>38,383.34</u>	<u>16,419.67</u>	<u>142.8%</u>	<u>924,300.00</u>
Expense									
<b>5100 · PAYROLL EXPENSES</b>	<u>25,818.90</u>	<u>54,635.84</u>	<u>-28,816.94</u>	<u>47.3%</u>	<u>25,818.90</u>	<u>54,635.84</u>	<u>-28,816.94</u>	<u>47.3%</u>	<u>616,811.96</u>
<b>5110 · PAYROLL TAXES</b>	<u>1,748.52</u>	<u>3,118.77</u>	<u>-1,370.25</u>	<u>56.1%</u>	<u>1,748.52</u>	<u>3,118.77</u>	<u>-1,370.25</u>	<u>56.1%</u>	<u>40,013.04</u>
<b>6001 · OPERATING EXPENSES</b>	<u>31,462.96</u>	<u>43,478.33</u>	<u>-12,015.37</u>	<u>72.4%</u>	<u>31,462.96</u>	<u>43,478.33</u>	<u>-12,015.37</u>	<u>72.4%</u>	<u>526,692.00</u>
<b>Total Expense</b>	<u>59,030.38</u>	<u>101,232.94</u>	<u>-42,202.56</u>	<u>58.3%</u>	<u>59,030.38</u>	<u>101,232.94</u>	<u>-42,202.56</u>	<u>58.3%</u>	<u>1,183,517.00</u>
<b>Net Ordinary Income</b>	<u>-4,227.37</u>	<u>-62,849.60</u>	<u>58,622.23</u>	<u>6.7%</u>	<u>-4,227.37</u>	<u>-62,849.60</u>	<u>58,622.23</u>	<u>6.7%</u>	<u>-259,217.00</u>
<b>Net Income</b>	<u><b>-4,227.37</b></u>	<u><b>-62,849.60</b></u>	<u><b>58,622.23</b></u>	<u><b>6.7%</b></u>	<u><b>-4,227.37</b></u>	<u><b>-62,849.60</b></u>	<u><b>58,622.23</b></u>	<u><b>6.7%</b></u>	<u><b>-259,217.00</b></u>

## Profit &amp; Loss YTD Comparison

July 2021

	Jul 21	Jul 21
<b>Ordinary Income/Expense</b>		
<b>Income</b>		
4000 · REVENUE		
4201 · Application Fees		
4202 · PE Comity Application	11,625.00	11,625.00
4204 · PE Initial License Application	5,475.00	5,475.00
4206 · PE Reinstatement Application	1,200.00	1,200.00
4208 · EI Certification Application	100.00	100.00
<b>Total 4201 · Application Fees</b>	<b>18,400.00</b>	<b>18,400.00</b>
4250 · Renewals & Exam Fees		
4251 · PE/PLS Renewals	28,750.00	28,750.00
4253 · PE License Fees	2,300.00	2,300.00
4254 · PLS License Fees	100.00	100.00
<b>Total 4250 · Renewals &amp; Exam Fees</b>	<b>31,150.00</b>	<b>31,150.00</b>
4300 · Other Revenue		
4303 · Interest Income	653.01	653.01
4307 · Firm Registration	4,600.00	4,600.00
<b>Total 4300 · Other Revenue</b>	<b>5,253.01</b>	<b>5,253.01</b>
<b>Total 4000 · REVENUE</b>	<b>54,803.01</b>	<b>54,803.01</b>
<b>Total Income</b>	<b>54,803.01</b>	<b>54,803.01</b>
<b>Gross Profit</b>	<b>54,803.01</b>	<b>54,803.01</b>
<b>Expense</b>		
5100 · PAYROLL EXPENSES		
5102 · Employee Health Insurance	3,966.09	3,966.09
5103 · Employee IRA/SEP	923.78	923.78
5105 · Payroll Service Fees	95.07	95.07
5107 · Salaries	20,833.96	20,833.96
<b>Total 5100 · PAYROLL EXPENSES</b>	<b>25,818.90</b>	<b>25,818.90</b>
5110 · PAYROLL TAXES		
5111 · FICA	1,402.00	1,402.00
5113 · Medicare	327.89	327.89
5116 · SUINV	18.63	18.63
<b>Total 5110 · PAYROLL TAXES</b>	<b>1,748.52</b>	<b>1,748.52</b>
6001 · OPERATING EXPENSES		
Non State Owned Office Bldg.		
6002 · Rent		
6002.1 · Sub-Lease	-918.01	-918.01
6002 · Rent - Other	7,090.49	7,090.49
<b>Total 6002 · Rent</b>	<b>6,172.48</b>	<b>6,172.48</b>
6005 · Telephone/Internet	627.68	627.68
<b>Total Non State Owned Office Bldg.</b>	<b>6,800.16</b>	<b>6,800.16</b>
6006 · Office Supplies	1,223.43	1,223.43
6007 · Equipment/Furniture		
6011 · Equipment Leasing	198.35	198.35

## Nevada Board of Professional Engineers &amp; Land Surveyors

08/27/21

## Profit &amp; Loss YTD Comparison

Accrual Basis

July 2021

	Jul 21	Jul 21
6012 · Software		
6012.5 · Software	178.63	178.63
<b>Total 6012 · Software</b>	<b>178.63</b>	<b>178.63</b>
<b>Total 6007 · Equipment/Furniture</b>	<b>376.98</b>	<b>376.98</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	20.33	20.33
<b>Total 6201 · Postage</b>	<b>20.33</b>	<b>20.33</b>
6301 · Board Meetings		
6303 · Travel - In State	1,184.05	1,184.05
6304 · Board Meeting Expenses	862.56	862.56
<b>Total 6301 · Board Meetings</b>	<b>2,046.61</b>	<b>2,046.61</b>
6501 · Professional Services		
6502 · Legal		
6503 · Board Meetings	2,336.00	2,336.00
6504 · Regulations/Legislation		
6504.1 · Deferred Exp-Regs/Legislation	696.00	696.00
<b>Total 6504 · Regulations/Legislation</b>	<b>696.00</b>	<b>696.00</b>
6505 · Discipline	4,720.00	4,720.00
<b>Total 6502 · Legal</b>	<b>7,752.00</b>	<b>7,752.00</b>
6509 · Governemnt Liaison Services		
6509.5 · Government Liaison	1,600.00	1,600.00
<b>Total 6509 · Governemnt Liaison Services</b>	<b>1,600.00</b>	<b>1,600.00</b>
6510 · Database/Website Design		
6510.5 · Database/Website Design	175.00	175.00
<b>Total 6510 · Database/Website Design</b>	<b>175.00</b>	<b>175.00</b>
6514 · Contract Labor		
6514.1 · Def Exp-Contract Labor	213.56	213.56
6514 · Contract Labor - Other	410.26	410.26
<b>Total 6514 · Contract Labor</b>	<b>623.82</b>	<b>623.82</b>
6515 · IT Support	967.00	967.00
<b>Total 6501 · Professional Services</b>	<b>11,117.82</b>	<b>11,117.82</b>
6601 · Program Services		
6616 · Merchant Services Fees	5,104.15	5,104.15
<b>Total 6601 · Program Services</b>	<b>5,104.15</b>	<b>5,104.15</b>
6700 · Other		
6702 · Discipline Pd to NV Gen Fund	3,950.00	3,950.00
6704 · State Administrative Fees		
6709 · Email - EITS	332.48	332.48
<b>Total 6704 · State Administrative Fees</b>	<b>332.48</b>	<b>332.48</b>

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Nevada Board of Professional Engineers & Land Surveyors

08/27/21

Profit & Loss YTD Comparison

Accrual Basis

July 2021

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	<u>Jul 21</u>	<u>Jul 21</u>
6720 · Miscellaneous	391.00	391.00
Total 6700 · Other	4,673.48	4,673.48
Total 6001 · OPERATING EXPENSES	31,462.96	31,462.96
Total Expense	59,030.38	59,030.38
Net Ordinary Income	-4,227.37	-4,227.37
Net Income	<u><u>-4,227.37</u></u>	<u><u>-4,227.37</u></u>



## Balance Sheet

As of July 31, 2021

	<u>Jul 31, 21</u>
<b>ASSETS</b>	
Current Assets	
Checking/Savings	
1001 · ASSETS	2,438,348.88
Total Checking/Savings	2,438,348.88
Other Current Assets	
1305 · Prepaid Expense	14,840.49
1310 · Prepaid Lease/Deposit	5,005.00
Total Other Current Assets	19,845.49
Total Current Assets	2,458,194.37
<b>TOTAL ASSETS</b>	<b><u>2,458,194 .37</u></b>
<b>LIABILITIES &amp; EQUITY</b>	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 · Accounts Payable	623.82
Total Accounts Payable	623.82
Credit Cards	
2025 · Western Alliance Bank CC	3,935.49
Total Credit Cards	3,935.49
Other Current Liabilities	
2001 · PAYROLL LIABILITIES	22,468.16
4100 · Deferred Revenue	783,921.69
Total Other Current Liabilities	806,389.85
Total Current Liabilities	810,949.16
Total Liabilities	810,949.16
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	1,271,472.58
Net Income	-4,227.37
Total Equity	1,647,245.21
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b><u>2,458,194 .37</u></b>

## Balance Sheet Detail

As of July 31, 2021

	Jul 31, 21
<b>ASSETS</b>	
Current Assets	
Checking/Savings	
1001 · ASSETS	
1051 · First Indep. Bank - Operating	417,950.22
1052 · First Indep. Bank - Payroll	34,009.89
1053 · First Indep. Bank - Petty Cash	2,537.94
1054 · First Indep. Bank - MMA	412,473.29
1055 · First Indep. Bank - 24mo CD	529,916.14
1056 · First Indep. Bank - 18mo CD	263,987.07
1057 · First Indep. Bank - 12mo CD	262,176.34
1058 · First Indep. Bank - 24mo FlexCD	515,297.99
Total 1001 · ASSETS	2,438,348.88
Total Checking/Savings	2,438,348.88
Other Current Assets	
1305 · Prepaid Expense	14,840.49
1310 · Prepaid Lease/Deposit	5,005.00
Total Other Current Assets	19,845.49
Total Current Assets	2,458,194.37
<b>TOTAL ASSETS</b>	<b>2,458,194 .37</b>
<b>LIABILITIES &amp; EQUITY</b>	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 · Accounts Payable	623.82
Total Accounts Payable	623.82
Credit Cards	
2025 · Western Alliance Bank CC	3,935.49
Total Credit Cards	3,935.49
Other Current Liabilities	
2001 · PAYROLL LIABILITIES	
2002 · Accrued Benefits	22,468.16
Total 2001 · PAYROLL LIABILITIES	22,468.16
4100 · Deferred Revenue	783,921.69
Total Other Current Liabilities	806,389.85
Total Current Liabilities	810,949.16
Total Liabilities	810,949.16
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	1,271,472.58
Net Income	-4,227.37
Total Equity	1,647,245.21
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>2,458,194 .37</b>

# 10. Compliance Officer Report

# 10.a. Compliance Report

## 10. a. Compliance Investigations

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

1. 20210002 – Plagiarism and failure to act as faithful agent  
Investigation complete
2. 20210004 – Incompetency/negligence in surveying  
Investigative complete
3. 20210006 – Reciprocal Action: Misconduct and unlicensed practice of surveying  
Investigation complete
4. 20210007 – Unlicensed practice of engineering  
Investigation complete
5. 20210008 – Failure to act as faithful agent  
In the investigative stage
6. 20210009 – Incompetency/negligence in engineering  
In the investigative stage

## 1. 20210002 – Plagiarism and failure to act as faithful agent

### Summary:

It is alleged a PE has been representing copied documents as his own.

### Status:

Stipulated agreement proposed for board consideration.

## 2. 20210004 – Incompetency/negligence in surveying

### Summary:

Alleged a land surveyor produced an inaccurate survey resulting in proposed building being sited within a utility easement.

### Status:

Case under board liaison review.

## 3. 20210006 – Reciprocal Action: Misconduct and unlicensed practice of surveying

### Summary:

Board staff were notified by the California board of action taken against a PE who is also licensed in Nevada. In the stipulated settlement with California board, the PE agreed to violations involving deceit, fraud, misconduct, and unlicensed practice.

### Status:

Following board liaison review the case is now with board counsel.

## 4. 20210007 – Unlicensed practice of engineering

### Summary:

Complaint arose from a dispute between a developer and engineer regarding service delivery and payment of invoices, where the complainant discovered the PE was not currently licensed in Nevada.

### Status:

Case under board liaison review.

## 5. 20210008 – Failure to act as faithful agent

### Summary

Allegation of failure to deliver contracted services in a timely manner has been made against a civil engineer.

### Status:

Complaint supporting documentation under review.

## 6. 20210009 – Incompetency/negligence in engineering

### Summary:

Complaint filed by a contractor against a civil engineer alleging errors in site design relating to FF elevation and drainage.

### Status:

Formal response received – investigation ongoing.

# 10.b. Probation Reports

## 10. b. Probation reports

### Probation Summary:

Name	Case #	Status/Action	Date Ending
Richard Warren	20180020	Good Standing	September 28, 2021
Dooley Riva	20190001	Good Standing	October 10, 2029
John Skwiot	20190007	Good Standing	February 1, 2023
Ralph Heninger	20190010	Good Standing	September 1, 2022
Lazell Preator	20190008 & 20200003	Under Review	February 1, 2024
Robert Mercado	20210001	Pending	August 1, 2023

### Payment Summary:

Name	Case #	Paid	Remaining	Final Due Date
Dooley Riva	20190001	\$8,950.00	\$15,800.00	September 12, 2024
Lazell Preator	20190008 & 20200003	\$0.00	\$9,769.50	July 22, 2021
Robert Mercado	20210001	\$0.00	\$3,771.00	November 1, 2021



**Richard Warren, PE 017389**

Case Number: 20180020

Violation of NRS 625.410

A complaint was submitted against Mr Warren by the owner of custom home building company, alleging Mr Warren was responsible for flaws in the design of a residence resulting in structural deficiencies and that Mr Warren failed to cooperate to resolve the situation in a timely manner.

The custom home builder entered into a contract with Mr Warren to provide structural engineering and drafting services for the design of a custom home. Construction of the home was completed September 2015. After moving into the residence in October 2015, the homeowners immediately experienced cracks in the floors and walls.

Another engineering firm was retained to review Mr Warren's calculations and drawings. The firm identified a structural deficiency, wherein the roof live and dead loads had not been called out at a girder truss support below a bearing wall. In addition, it was found that the girder truss was placed six inches away from the bearing wall where it should have been located below the main floor and adjacent to the great room fireplace.

NRS 625.410 states that the Board may take disciplinary action against a licensee for any gross negligence, incompetency or misconduct in the practice of professional engineering as a professional engineer. Here, Mr Warren acknowledges that he demonstrated incompetency by positioning the girder truss support in question six inches from where it should have been located, as well as failing to call out the line loads in the plans.

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, this matter may be resolved without a formal hearing by Stipulated Agreement.

Mr Warren and the State Board hereby stipulate to the following terms for the above referenced violation(s):

1. Mr Warren shall submit to Board staff a complete list and description of his projects from the time period of January 1, 2011 through December 31, 2015, that involved structural engineering undertaken by Mr Warren, and Board staff shall select three (3) to five (5) of those projects to be subjected to independent third-party peer review to evaluate Mr Warren's structural competency as a civil engineer. The third-party engineer shall be selected by the Board staff, and the services thereof shall be paid for by Mr Warren upon presentment of

invoice therefor. The third-party engineer shall have no conflict of interest relating to Mr Warren, this company, the custom home contractor, or the homeowners.

2. While licensed professional engineers may provide limited structural engineering services without being a licensed structural engineer (NAC 625.260), Mr Warren shall be suspended from providing any structural engineering services for two (2) years immediately following acceptance of this Agreement by the State Board, but said suspension shall be stayed pending the independent third-party peer review required hereunder. Should the independent third-party peer review determine that Mr Warren is competent to provide the limited structural engineering services allowed by a licensed civil engineer, the suspension shall remain stayed for the remainder of the two (2) year time period, absent additional complaint(s) against Mr Warren.

3. Mr Warren's license shall be suspended for two (2) years immediately following acceptance of this Agreement by the State Board, pursuant to NRS 625.410 and NRS 625.460, but with the suspension stayed and probation imposed for the duration of that time period.

4. The stay of Mr Warren's license suspension may be lifted by the State Board upon notice and the opportunity for Mr Warren be heard should Mr Warren fail to abide by the terms hereof.

5. Mr Warren's successful completion of probation is expressly conditioned upon his full compliance with the following conditions of probation:

a. Mr Warren shall submit detailed bi-monthly probation reports to the Executive Director of the Nevada 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 as well as supporting project documentation.

b. Mr Warren shall pay an administrative fine of Seven Thousand Five Hundred and No/100 Dollars (\$7,500.00);

c. Mr Warren shall pay a portion of the assessed legal and investigative costs and fees incurred in this matter in the amount of One Thousand Six Hundred Sixty-Seven and 50/100 Dollars (\$1,667.50).

**LAST PROBATION REPORTS DUE September 28, 2021**

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

Phase 1 - Tenant improvement  
Phase 2 - new steel framed building  
Phase 3- Tenant improvement with steel framed addition

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

structural drawing and calculations

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

Closer scrutiny through first and final reviews. Better coordination with contractor and client

SIGNATURE:  Digitally signed by Richard L Warren  
Date: 2021.08.20 09:37:42 -07'00'

DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:  Digitally signed by Richard L Warren  
Date: 2021.08.20 08:47:13 -07'00'

DATE:

**PROBATION REPORT**  
(MUST BE TYPED)

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:  Digitally signed by Richard L Warren  
Date: 2021.08.20 08:47:13 -07'00'

DATE:

**PROBATION REPORT**  
(MUST BE TYPED)

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:  Digitally signed by Richard L Warren  
Date: 2021.08.20 08:58:52 -07'00'

DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:  Digitally signed by Richard L Warren  
Date: 2021.08.20 08:58:52 -07'00'

DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:  Digitally signed by Richard L Warren  
Date: 2021.08.20 08:58:52 -07'00' DATE:



**PROBATION REPORT**  
(MUST BE TYPED)

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:  Digitally signed by Richard L Warren  
Date: 2021.08.20 08:47:13 -07'00' DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

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PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

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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:  Digitally signed by Richard L Warren  
Date: 2021.08.20 08:58:52 -07'00'

DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

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PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

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CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

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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:  Digitally signed by Richard L Warren  
Date: 2021.08.20 08:58:52 -07'00'

DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:  Digitally signed by Richard L Warren  
Date: 2021.08.20 08:58:52 -07'00'

DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:  Digitally signed by Richard L Warren  
Date: 2021.08.20 08:58:52 -07'00'

DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:  Digitally signed by Richard L Warren  
Date: 2021.08.20 08:58:52 -07'00'

DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:  Digitally signed by Richard L Warren  
Date: 2021.08.20 08:58:52 -07'00'

DATE:

**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 prior to 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 in, 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: 2021-5-16 THROUGH 2021-7-15

CLIENT:

NAME: ROBERT & JEANETTE SCHULZE

ADDRESS: 439 LAKEVIEW AVENUE

CITY: ZEPHYR COVE STATE: NV ZIP CODE: 89448

PROJECT:

NAME: 439 LAKEVIEW REMODEL

LOCATION OF PROJECT: 439 LAKEVIEW AVENUE

CITY: ZEPHYR COVE STATE: NV ZIP CODE: 89448

SIZE: NA START DATE: 5.18.21 END DATE: NA

STATUS OF PROJECT: ISSUED FOR FINAL TEAM REVIEW

FEE PAID BY CLIENT: \$1875.00

SCOPE OF WORK:

REMOVAL OF EXISTING ENTRY/VERANDA ROOF, AND REPLACE IT WITH A WATERPROOF DECK AT SECOND FLOOR (SAME FOOTPRINT)

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

COORDINATION WITH RESIDENTIAL DESIGNER, PROVIDE STRUCTURAL ANALYSIS, FRAMING PLAN REDMARKS, AND PROVIDE STRUCTURAL NOTES AND DETAILS

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

NV LICENSE IS NOT EXPIRED

SIGNATURE: Robert D. Riva

DATE: July 19, 2021

**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: 2021-5-16 THROUGH 2021-7-15

CLIENT:

NAME: LISA & JORDAN BENDER

ADDRESS: 10431 WYTON DRIVE

CITY: LOS ANGELES STATE: CA ZIP CODE: 90024

PROJECT:

NAME: INCLINE VILLAGE RESIDENCE

LOCATION OF PROJECT: 707 BURGUNDY ROAD

CITY: INCLINE VILLAGE STATE: NV ZIP CODE: 89451

SIZE: 5000 SF START DATE: 6.29.21 END DATE: NA

STATUS OF PROJECT: FEASIBILITY AND PRELIMINARY ANALYSIS

FEE PAID BY CLIENT: \$7000 RETAINER

SCOPE OF WORK:

DESIGN DEVELOPMENT AND CONSTRUCTION DOCUMENTS

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

COORDINATION WITH ARCHITECT, AND START PRELIMINARY LATERAL ANALYSIS AND ROOF MEMBER SIZING

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

MY NV LICENSE IS NOT EXPIRED

SIGNATURE: Robert D. Riva

DATE: JULY 19, 2021

**John Skwiot, PE 020561**

Case Number: 20190007

Violation of NRS 625.410(2), NAC 625.630(1)(a), NAC 625.630(b), and NAC 625.545.

Mr Skwiot self-reported a disciplinary action imposed against his California professional engineer license by the California Board of Professional Engineers ("California Board").

The facts, as presented in a stipulation and order entered by the California Board, were as follows. In or around 2015, Mr Skwiot found the complainant/Client at issue on a freelance website. The complainant wished to procure an engineering design of a three-unit residential structure in Mammoth Lakes, California. Mr Skwiot and complainant agreed to the cost of services. However, Mr Skwiot did not provide the client with a written contract containing all of the terms required by California Code. Rather, Mr Skwiot and complainant relied upon the "Independent Contractor Services Agreement" provided by the website, which indicates that "Client and [Mr Skwiot] acknowledge and agree that when [Mr Skwiot] accepts an Engagement awarded by Client, Client and [Mr Skwiot] will be deemed to have entered into a 'Member Contract.'" 1 Mr Skwiot and complainant did not sign any additional written agreement(s), although it appears the scope of the work to be performed was outlined on the website. In the Stipulation with the California Board, Mr Skwiot stipulated that he was unprofessional in his dealing with the client, plus failed to complete his engineering services within the time periods set by the project schedule, as agreed upon by Mr Skwiot and complainant. In addition, Mr Skwiot stipulated that he failed to design a project in compliance with the Town of Mammoth Lakes building code requirements, failed to prepare an accurate and correct grading and drainage plan, and failed to prepare erosion control plan. Further, Mr Skwiot's civil details included a retaining and rock wall drawn backward, and intruding upon, and altering grading on, the neighboring property.

Mr Skwiot stipulated with the California Board to the following violations: (1) negligence, (2) incompetence, (3) unlicensed practice of land surveying, (4) unlawful use of the term "structural engineer," (5) failure to provide a written contract, and (6) unprofessional conduct. Pursuant to the California Board Stipulation and Order, Mr Skwiot'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 Ten Thousand Four Hundred Eighty-Nine and 85/100 Dollars (\$10,489.85), 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 engineering courses.

NRS 625.410 states that the 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 Nevada equivalent of the California violations are as follows: NRS 625.410(2); NAC 625.630(1)(a); NAC 625.630(b); and NAC 625.545.

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 Skwiot and the State Board hereby stipulate to the following terms for the above-referenced violation(s):

1. Mr Skwiot'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 Nevada 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. The stay of Mr Skwiot's license revocation may be lifted by the State Board, upon notice and the opportunity for Mr Skwiot to be heard, should Mr Skwiot fail to abide by the terms hereof.

**LAST PROBATION REPORTS DUE February 1, 2023**

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:  Digitally signed by John Skwiot, P.E.  
Date: 2021.07.27 20:35:46 -07'00'

DATE:

**Ralph Heninger, PE 005191**

Case Number: 20190010

Violation of NRS 625.410(7)

Mr Heninger allowed his license to lapse on July 1, 2017 and continued to practice professional engineering with an expired license until self-reporting to the board on March 20, 2019.

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. Pursuant to NAC 625.640(3)(b)(2) this matter may be resolved without a formal hearing by Stipulated Agreement.

Mr Heninger and the State Board hereby stipulate to the following terms for the above-referenced violation:

1. Mr Heninger shall pay an administrative fine in the amount of One Thousand Five Hundred and No/100 Dollars (\$1,500.00) within ninety (90) days from the date of the State Board's approval of this Stipulated Agreement.
2. Mr Heninger shall reimburse the State Board for legal fees incurred in this matter in the amount of Seven Hundred Thirty-Eight and 25/100 Dollars (\$738.25) within ninety (90) days from the date of the State Board's approval of this Stipulated Agreement.
3. Mr Heninger shall provide written notification to the developer of the above-delineated Fernley project of the fact that Mr Heninger was unlicensed at the time he performed work thereon, provide the developer with the opportunity to have the improperly stamped plans brought into compliance, and pay any and all costs associated therewith. Mr Heninger shall provide the State Board with a copy of each such written notification.
4. Mr Heninger's license shall be suspended for two (2) years immediately following entry of this Stipulated Agreement, but with the suspension stayed and probation imposed for the duration of that time period.
5. The stay of Mr Heninger's license suspension may be lifted by the State Board, upon notice and the opportunity for Mr. HENINGER to be heard, should Mr Heninger fail to abide by the terms hereof.
6. Mr Heninger's successful completion of probation is expressly conditioned upon his full compliance with the following conditions of probation:



(a) Mr Heninger shall submit detailed bi-monthly probation reports to the Executive Director of the Nevada 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, as well as supporting project documentation.

**LAST PROBATION REPORTS DUE September 1, 2022**

**PROBATION REPORT**  
**(MUST BE T YPED)**

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

**CLIENT**

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

**PROJECT**

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

**SCOPE OF WORK:**

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

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

Reviewed City of Fernley's Septic System requirements.

SIGNATURE:

DATE:

**Lazell Preator, PE 014982**

Case Numbers: 20190008 and 20200003

Violations: NRS 625.410(2), NRS 625.540, NRS 625.560, NAC 625.510, NAC 625.530, and NAC 625.540

### **Previous 2018 Complaint and Stipulated Agreement**

Before setting forth the facts for the two complaints at issue, the following summation of a previous Stipulated Agreement is relevant. A Stipulated Agreement was entered by and between the State Board and Mr Preator on November 8, 2018 ("2018 Stipulated Agreement"), regarding previous Complaint number 20180006. In the 2018 Stipulated Agreement, Mr Preator acknowledged violations of NRS Chapter 625 in which his conduct constituted gross negligence, incompetence, or misconduct in the practice of professional engineering and failure to exercise due care and oversight in submitting the plan set to the office of the Deputy Building and Safety Director for the City of Las Vegas.

The facts pertaining to the 2018 Stipulated Agreement involved the filing of a complaint alleging the submission of plans containing the forged signatures of two senior building officials in an attempt to obtain a building permit.

Specifically, on March 7, 2018, the office of the Deputy Building and Safety Director for the City of Las Vegas received a plan set. The plan set included an irregular and misspelled signature of the City Engineer, Allen Pavelka, with his name signed "Alan" as opposed to the proper spelling "Allen." The plan set further included a signature of a retired Director of Building and Safety, Chris Knight. Mr Preator asserted that he relied on a third party, Jorge Guzman, to acquire said signatures, and that said third party, unbeknownst to Mr Preator, obtained or affixed the forged signatures. Although Mr Preator denied forging the signatures at issue, he admitted that he is responsible for documents that he seals and signs and that he is responsible to use due care and oversight to manage originals and copies of all documents he has signed and sealed.

In the 2018 Stipulated Agreement, Mr Preator's Nevada license was placed on probation for twelve (12) months. As part of his probation, Mr Preator was required to pay certain fines, costs, and fees, and require that he write a Whitepaper on Responsible Charge. The probation under the 2018 Stipulated Agreement has since been completed.

### **Case No. 20190008 - "Forgery Case"**

In regard Case No. 20190008, a complaint has been submitted against Mr Preator by the

Executive Director for the State Board on behalf of a professional land surveyor, alleging fraudulent stamping and signing of legal descriptions.

Specifically, On December 18, 2017, Mr Preator submitted two legal descriptions for a project on Du Fort Avenue to the City of Henderson. The complainant land surveyor inadvertently discovered the two legal descriptions while reviewing projects on the City of Henderson website in August 2019. The two legal descriptions were produced for Preator Consulting by the land surveyor. However, Preator Consulting had not paid for the work, and thus, the land surveyor had not completed the work, as he had not signed or dated the two legal descriptions. The two legal descriptions were, hand signed, dated and submitted to the city on December 18, 2017.

In an effort to explain how the legal descriptions at issue were fraudulently signed, Mr Preator asserts that he relied on the same third-party blamed in the 2018 Stipulated Agreement, i.e., Jorge Guzman, to obtain the stamp and signature of the land surveyor before submitting the legal descriptions now at issue. Mr Preator again asserts that Jorge Guzman must have forged the surveyor's signature before submitting the legal descriptions to the City of Henderson. Although Mr Preator denied forging the signatures at issue, he admits that he is responsible for documents that he submits and that he is responsible to use due care and oversight to manage originals and copies of all said documents.

Mr Preator has not been able to provide any information or documentation regarding his working relationship with Mr Guzman, or any evidence that Mr Guzman exists.

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. NRS 625.410(5) provides authority for the State Board to administer discipline in Nevada for a violation of any provision of NRS Chapter 625. A licensee violates NRS 625.540 by unlawfully practicing land surveying. Specifically, it is unlawful to present or attempt to use, as his or her own, the license or stamp of another person and to impersonate any other licensee of the same or a different name. Additionally, it is a violation of NRS 625.560 to sign a description unless the person holds an unsuspended and unrevoked license as a professional land surveyor.

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. A licensee violates NAC 625.510 by failing to uphold and advance the honor and dignity of the profession by maintaining high standards of ethical conduct regarding honesty. It is a violation of NAC 625.530 for a licensee to fail to act in professional matters as a faithful agent. A licensee violates NAC 625.540(1) by failing to

take care that credit for engineering or land surveying work is given to those to whom credit is properly due and violates NAC 625.540(4) by failing to not maliciously injure the professional reputation, business prospects or practice of another engineer or land surveyor.

Based on the foregoing, Mr Preator stipulates that he violated NRS 625.410 (2), in that his conduct constituted gross negligence, incompetence, or misconduct in the practice of professional engineering. Mr Preator stipulates that he violated NRS 625.540 by unlawfully practicing land surveying by presenting the license or stamp of another person and by impersonating another licensee. Likewise, Mr Preator stipulates that he violated NRS 625.560 by signing a description without a license as a professional land surveyor.

Further, Mr Preator stipulates that he violated NAC 625.510 by failing to uphold and advance the honor and dignity of the profession by maintaining high standards of ethical conduct regarding honesty. In addition, Mr Preator stipulates that he violated NAC 625.530 by failing to act in professional matters as a faithful agent. Finally, Mr Preator stipulates that he violated NAC 625.540 by failing to take care that credit for land surveying work was given to those to whom credit was properly due and by failing to not maliciously injure the professional reputation, business prospects or practice of another engineer or land surveyor.

#### **Case No. 20200003 - "Faithful Agent Case"**

In regard Case No. 20200003, a complaint has been submitted against Mr Preator alleging misconduct and failure to meet terms of a contract.

Specifically, on February 2, 2018, the complainant contracted with Mr Preator to provide civil engineering for an auto body repair shop construction project, and paid Mr Preator a \$7,100 retainer. Per the contract, Mr Preator was to begin working on the project within two days of receiving the retainer. Between February 2018 and February 2020, no work product was provided to the client nor to the professionals and contractors working on the client's behalf. There were various interactions and requests for updates on the status of the project. Mr Preator asserts that, during the project, he was unable to speak with the architect on the project, from whom Mr Preator asserts that he received differing site plans. Nevertheless, Mr Preator informed the client that various items were under review by planning authorities, even though they were never actually submitted.

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. 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. A licensee violates NAC 625.510 by failing to uphold and advance the honor and dignity of the

profession by maintaining high standards of ethical conduct regarding honesty. It is a violation of NAC 625.530 when a licensee fails to act in professional matters as a faithful agent.

Based on the foregoing, Mr Preator stipulates that he violated NRS 625.410(2), in that his conduct constituted gross negligence, incompetence, or misconduct in the practice of professional

engineering. Further, Mr Preator stipulates that he violated NAC 625.510 by failing to uphold and advance the honor and dignity of the profession by maintaining high standards of ethical conduct regarding honesty. Finally, Mr Preator stipulates that he violated NAC 625.530 by failing to act in a timely and professional matters as a faithful agent.

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 Numbers 2019008 and 20200003, Mr Preator and the State Board resolve this matter on the following basis:

(1) Mr Preator's Nevada license shall be suspended for thirty-six (36) months following entry of this Agreement, pursuant to NRS 625.410 (2) and NAC 625.530, but with the suspension stayed and probation imposed for the duration of that time period.

(2) The stay of Mr Preator's suspension may be lifted by the State Board upon notice and the opportunity to be heard should Mr Preator fail to abide by the terms hereof.

(3) Mr Preator's successful completion of probation is expressly conditioned upon his full compliance with the following conditions of probation:

(a) Mr Preator shall pay a fine of Five Thousand and Noll 00 Dollars (\$5,000.00) for the Forgery Case and a fine of Two Thousand and No/1 00 Dollars (\$2,000.00) for the Faithful Agent Case, for a total fine of Seven Thousand and No/100 Dollars (\$7,000.00), within six (6) months of acceptance and execution of this Agreement by the State Board.

(b) Mr Preator shall pay the professional land surveyor in full under his contract therewith for work on the Du Fort project.

(c) Mr Preator shall pay for cost of hiring a Nevada licensed professional land surveyor to review, re-stamp and sign the Du Fort legal descriptions.

(d) Mr Preator shall immediately notify client and the relevant public entity via letter, with copy to the Board, of the necessity of the Du Fort legal descriptions to be re- submitted with lawful stamping and signature.

(e) Mr Preator shall reimburse in full the deposited amount the complainant paid for the Autobody Repair Shop project.

(f) Mr Preator shall pay the State Board Two Thousand Seven Hundred Sixty-Nine and 50/100 Dollars (\$2,769.50) as reimbursement of administrative expenses in this matter.

(g) Mr Preator registering in, paying for and completing an entry level ethics course with Texas Tech University Murdough Center for Engineering Professionalism, and providing proof of completion thereof to Board staff.

(h) Mr Preator shall provide to the State Board staff, within thirty (30) days of execution of this agreement by the State Board, a list of projects that were submitted for governmental review in 2017 and 2018, and provide project names, clients, and to which agencies submissions were made. These submissions will be reviewed by State Board staff to determine and identify any other possible statutory and/or regulatory violations.

(i) Mr Preator shall submit detailed bi-monthly probation reports to the Executive Director of the Nevada 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 is 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 client contact information and a copy of the contract executed for any work in Nevada, including the scope of work detail.

(j) Mr Preator shall provide proof of the completion of thirty (30) professional development hours that are required on a biennial basis for license renewal, pursuant to NAC 625.430 and NAC 625.480.

**LAST PROBATION REPORTS DUE February 1, 2024**

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:

DATE:



**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:

DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER: Lazell H. Preator PE/PLS #: CE 014982

EMPLOYER: Preator Consulting, LLC

PROBATION REPORT SUBMITTED FOR THE PERIOD OF: May 21, 2021 THROUGH: July 20, 2021

CLIENT:

NAME: 5Gen Management

ADDRESS: 3065 N. Rancho, Suite 130

CITY: Las Vegas STATE: NV ZIP CODE: 89130

PROJECT:

NAME: Rainbow-BD AMPM Regulation

LOCATION OF PROJECT: Rainbow & Blue Diamond

CITY: Clark County STATE: NV ZIP CODE:

SIZE: medium START DATE: Dec20 END DATE: Sept 21

STATUS OF PROJECT: In review at NDEP & SNHD

FEE PAID BY CLIENT: 13400

SCOPE OF WORK:

Convert existing water system to a "public water system", including mapping of the existing system, and recommendations for modifications for full compliance. Work with NDEP/SNHD staff on compliance testing protocols with Broadbent & Associates

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

Prepare all drawings and calculations. Submit plans electronically to NDEP with paper mailed. Work with SNHD staff and Broadbent on status, monthly testing and requirements. Keep client updated monthly; including forwarding of any emails from NDEP/SNHD.

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

Keep client informed by copying them on correspondence. No signature required of any agencies other than those submitted to directly. Broadbent is under direct contract with AMPM for testing.

SIGNATURE: 

DATE: August 27, 2021

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:

DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

Drawings and Calculations for the installation of 2 backflow devices being installed on private property for an older split subdivision.

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

Hire surveyor to map locations of existing infrastructure. Prepare all drawings and calculations. Submit plans electronically to City. Meet with City as required.

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

Keep client (HOA Manager) updated. Submit plans electronically. No mapping required (no easements as on private property), and no routing of signatures outside of City of Henderson.

SIGNATURE:  DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:

DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER: Lazell H. Preator PE/PLS #: CE 014982

EMPLOYER: Preator Consulting, LLC

PROBATION REPORT SUBMITTED FOR THE PERIOD OF: May 21, 2021 THROUGH: July 20, 2021

CLIENT:

NAME: A1 Fence

ADDRESS: PO Box 29031

CITY: Las Vegas STATE: NV ZIP CODE: 89126

PROJECT:

NAME: Fence NOV

LOCATION OF PROJECT: 4240 Carnation Ln

CITY: Las Vegas STATE: NV ZIP CODE:

SIZE: small START DATE: Mar 21 END DATE: July 21

STATUS OF PROJECT: Approved

FEE PAID BY CLIENT: 1050

SCOPE OF WORK:

Prepare plans and documents for the submittal of the compliance with the violation for placement of a fence within the setback of a curved street. Height of fence does not require calculations if waiver of location approved. Attend PC meeting to present.

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

Prepare all drawings/exhibits. Submit electronically to CLV. Attended PC meeting. Kept client and NOV inspector updated on status.

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

Keep client and NOV Inspector informed on status. Provide client with copies of package. No signatures required of any agencies or other professionals.

SIGNATURE: 

DATE: August 27, 2021

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

Prepare exhibits and documents for the submittal of the requests to CC P&Z. Zone change is conforming and Use Permit complies with requirements. No calculations. Attend TB, PC and BCC if required.

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

Prepare all exhibits and documents. Submit electronically to CC. Attend meetings. Keep client updated on status.

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

Keep client informed on status. Provide client with copies of package. No signatures required of any agencies or other professionals.

SIGNATURE: 

DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:  DATE:



**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

Engineering of connections to slab. Verification of slab/grading around equipment pads. Review for compliance to manufacturer/NDOT standards.

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

Prepare calculations and redline markups of Design and shop drawings.

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

Submit status weekly to Hellas. Work with manufacturer and client on revisions to make the system viable for grading and connections.

SIGNATURE:

DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:

DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:

DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:

DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:

DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER:  PE/PLS #:

EMPLOYER:

PROBATION REPORT SUBMITTED FOR THE PERIOD OF:  THROUGH:

CLIENT:

NAME:

ADDRESS:

CITY:  STATE:  ZIP CODE:

PROJECT:

NAME:

LOCATION OF PROJECT:

CITY:  STATE:  ZIP CODE:

SIZE:  START DATE:  END DATE:

STATUS OF PROJECT:

FEE PAID BY CLIENT:

SCOPE OF WORK:

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

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

SIGNATURE:

DATE:

**PROBATION REPORT**  
**(MUST BE TYPED)**

Print Form

PROBATIONER: Lazell H. Preator PE/PLS #: CE 014982

EMPLOYER: Preator Consulting, LLC

PROBATION REPORT SUBMITTED FOR THE PERIOD OF: May 21, 2021 THROUGH: July 20, 2021

CLIENT:

NAME: Anthony's Glass & Mirror

ADDRESS: 3955 W. Sunset Rd #105

CITY: Las Vegas STATE: NV ZIP CODE: 89118

PROJECT:

NAME: Money Baby Rail

LOCATION OF PROJECT: Virgin Hotel

CITY: Las Vegas STATE: NV ZIP CODE:

SIZE: small START DATE: May 21 END DATE: Jun 21

STATUS OF PROJECT: submitted to client

FEE PAID BY CLIENT: 850

SCOPE OF WORK:


Engineering verification of connection to slab for glass railing.

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

Prepare calculation and review shop drawings from manufacturer.

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

Submit electronically to client. No signatures required of any other engineer or agency.

SIGNATURE:  DATE: August 27, 2021

**Robert Mercado, PLS 010352**

Case Number: 20210001

Violation of NRS 625.410(5), NRS 625.340, NAC 625.425, and NAC 625.545

On September 10, 2020, Sundance Surveying, Inc was hired to provide surveying and mapping services for a vacant property located in Las Vegas. As part of the contract, Mr Mercado was to file a Record of Survey Map with the Clark County Recorder's Office. Although the contract did not contain an anticipated date of completion, Mr Mercado informed his client that the work would only take a few weeks. Mr Mercado completed the survey on October 11, 2020, and emailed the survey map to his client on October 12, 2020. The survey map was not recorded at that time. On October 16, 2020, Mr Mercado was paid in full for his work.

Thereafter, the client made numerous attempts to contact Mr Mercado regarding the status of the recordation of the survey map, but he was unresponsive. As a result of Mr Mercado's unresponsiveness, coupled with his failure to have the survey map recorded, a complaint was filed on January 12, 2021. When contacted by the State Board, the complainant stated that she filed the complaint in an effort to prompt Mr Mercado to record the survey map and her only objective in filing the complaint was to ensure the survey map was recorded.

On January 14, 2021, the State Board staff left a voicemail for Mr Mercado regarding the complaint. On January 19, 2021, Mr. Mercado responded to staff's voicemail and informed the State Board that, although the survey map had not yet been recorded, he intended to file it with the Clark County Recorder's Office on January 22, 2021. Mr Mercado did not file the survey map with the Clark County Recorder's Office on January 22, 2021, as promised. On two more occasions (January 26, 2021, and February 1, 2021), Mr Mercado assured the State Board staff that the survey map would be recorded, however, in each instance, Mr Mercado failed to make good on his promises. During this time, Mr Mercado provided a number of explanations for the delay in filing the survey map, which have not proven to be credible. As of February 5, 2021, the survey map was still not recorded.

On February 5, 2021, the State Board staff requested that Mr Mercado submit a formal response to the Complaint no later than March 8, 2021. The State Board staff followed up with Mr Mercado on multiple occasions in that regard. On March 8, 2021, Mr Mercado informed the State Board staff that he would be submitting his formal response to the complaint by the end of the day, but he did not.



On March 8, 2021, nearly 150 days after the survey was completed, the survey map was recorded with the Clark County Recorder's Office. The survey was stamped, signed, and dated by Mr Mercado on March 7, 2021.

On March 9, 2021, Mr Mercado submitted his formal response to the complaint. The State Board staff still determined that Mr Mercado's actions were in violation of various provisions of NRS Chapter 625 and NAC Chapter 625

It is a violation of NAC 625.425 for a land surveying firm to engage or offer to engage in the practice of professional engineering without first registering with the State Board and paying the annual fee of Fifty and No/100 Dollars (\$50.00).<sup>1</sup> It is a violation of NAC 625.545 to fail to provide a written contract to each client which sets forth the scope of work, costs, and anticipated date of completion of the work.<sup>2</sup> It is a violation of NRS 625.340 to fail to file a survey map with the county recorder in the county in which the survey was made a record of survey relating to land boundaries and property lines within ninety (90) days of the creation of such survey.<sup>3</sup> It is a violation of NAC 625.530 for a licensee to fail to act in professional matters as a faithful agent.

Based on the foregoing, Mr Mercado stipulates that he violated NAC 625.425 by failing to register Sundance Surveying, Inc. with the State Board for the past ten (10) years. Further, Mr Mercado stipulates that he violated NAC 625.545 by failing to include the anticipated date of completion in his written contract with his client. Also, Mr Mercado stipulates that he violated NRS 625.340 by failing to file the survey map with the Clark County Recorder within ninety (90) days of the creation of such survey map. Finally, Mr Mercado stipulates that he violated NAC 625.530 by failing to act in professional matters as a faithful agent of his client in connection with his performance of the services therefor.

Pursuant to NAC 625.640, a disciplinary matter may be resolved without a formal hearing by a Stipulated Agreement. To that end, to resolve the complaint, Mr Mercado and the State Board resolve this matter on the following basis:

- (1) Mr Mercado shall pay an administrative fine of \$1,500.00 for his violations of NAC 625.545, NRS 625.340 and NAC 625.530 within 90 days of the board's approval of the stipulated agreement.
- (2) Mr Mercado reimburse the State Board \$2,271.00 for administrative expenses in this matter.
- (3) Mr Mercado shall prepare and submit a whitepaper within 90 days of the board's approval of the stipulated agreement on the following topics:

- a) Elements necessary for a valid written contract for providing professional land surveying services in the State of Nevada (NAC 625.545).
- b) Applicable deadlines and requirements for the timely recordation of records of surveys (NRS 625.340).

(4) Mr Mercado's Nevada license shall be suspended for twenty (24) months following entry of this agreement, but with the suspension stayed and probation imposed for the duration of that time period.

**LAST PROBATION REPORTS DUE August 1, 2023**

**Robert Mercado, PLS 010352**

Case Number: 20210001

Violation of NRS 625.410(5), NRS 625.340, NAC 625.425, and NAC 625.545

**The first probation reports for Mr Mercado will be included for review in the November 18, 2021 board meeting packet**

11. Timothy Prockish  
Lic# 012931  
Stipulated Agreement

STIPULATED AGREEMENT  
OF TIMOTHY PROCKISH  
LICENSE NO. EE #012931  
COMPLAINT NO. 20210002

This Stipulated Agreement (“Stipulated Agreement”) is made by and between the Nevada State Board of Professional Engineers and Land Surveyors (the “State Board”) and TIMOTHY PROCKISH (“Mr. Prockish”), a professional electrical engineer (“EE”) in the State of Nevada, EE #012931, CEO of Dinter Engineering Company (“Dinter”). This Stipulated Agreement arises from facts brought to the attention of the State Board by the February 17, 2021 complaint filed by Joseph E. Ganser of PK Electrical, Inc. (“PKE”). PKE’s complaint contains allegations of improper use and incorporation of PKE’s electrical designs into electrical designs submitted by Mr. Prockish and Dinter for the Washoe County School District O’Brien Middle School project (the Project”).

Specifically, PKE alleges that Mr. Prockish and Dinter improperly used and copied PKE’s designs, specifications, and drawings from a number of PKE’s projects including: Wildcreek High School; Sun Valley Middle School; and Spanish Springs Middle School (collectively, the “PKE Designs”). PKE became aware of Mr. Prockish’s and Dinter’s improper use of PKE’s electrical designs when an electrical contractor working on the Project, believing he was looking at electrical designs created by PKE (despite the fact the designs had the Dinter title block), contacted PKE with questions regarding the Project. PKE thereafter obtained copies of Dinter’s designs for the Project and identified multiple references to sheets and details that are not actually part of the Project, but rather were specific to one or more of the PKE Designs.

On March 15, 2021, Mr. Prockish responded to the complaint and acknowledged therein that certain elements from the PKE Designs were indeed incorporated into Dinter’s electrical

designs for the Project. However, Mr. Prockish denied that such unauthorized use of PKE Designs was done intentionally by him. Mr. Prockish also stated that, upon learning that PKE's work product had erroneously been incorporated into the designs for the Project by a drafter for Dinter, he immediately took corrective action and redesigned the electrical designs from start to finish. Mr. Prockish added that, following the incident, he implemented new policies, procedures, and training to ensure that this type of situation does not occur in the future.

The State Board staff ("Staff") conducted its own review of the matter and noted that the revised designs for the Project were markedly unique when compared to the original designs that were stamped and signed by Mr. Prockish for the Project. Staff also noted that the original designs for the Project contained obvious incorrect references to non-existent sheets, missing construction details, and erroneous design details. While it is unclear who, if anyone, directed the Dinter drafter(s) to copy specific elements from the PKE Designs, Mr. Prockish has admitted that portions of the PKE Designs were indeed obviously copied, and that he stamped and signed the original designs for the Project.

NRS 625.565(3) provides that "[i]t is unlawful for a professional engineer to sign or stamp any plans, specifications or reports that were not prepared by the professional engineer or for which he or she did not have responsible charge of the work."<sup>1</sup> NRS 625.080 defines "responsible charge of work" as "the independent control and direction, by the use of initiative, skill and independent judgment, of the investigation or design of professional engineering or land-surveying work or the supervision of such work". Further, pursuant to NAC 625.610(5), "[w]hen a licensee signs, stamps or seals a document containing the work of others, the licensee represents that the licensee has prepared or has been in responsible charge of the production of

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<sup>1</sup> Pursuant to NRS 625.565(7), a violation of any of the subsections of NRS 625.565, including subsection 3, constitutes a gross misdemeanor.

the entire document unless the licensee includes a written statement adjacent to his or her signature, stamp or seal identifying the portion of the document that the licensee prepared or for which the licensee had responsible charge of the work”.

Based on the foregoing, Mr. Prockish stipulates that he violated NAC 625.610(5) and NRS 625.565(3) by signing and stamping work for which he did not have responsible charge, i.e. the PKE Designs that were incorporated into the Project Designs and the work of the Dinter drafter that incorporated PKE’s work into the Project Designs.

NRS 625.410(5) authorizes the State Board to take action against a licensee for any violation of any provision of NRS Chapter 625 and/or NAC Chapter 625.

Pursuant to NAC 625.640(3)(b)(2), this matter may be resolved without a formal hearing, via Stipulated Agreement. As such, in lieu of formal hearing, Mr. Prockish and the State Board hereby stipulate to the following terms for the above-referenced violation(s):

1. Mr. Prockish shall pay an administrative fine to the State Board in the amount of Four Thousand and No/100 Dollars (\$4,000.00) for his violations of and NRS 625.565(3) and NAC 625.610(5) as herein mentioned. Payment shall be made to the Board within (90) days from the date of the State Board's approval of this Stipulated Agreement.

2. Mr. Prockish shall reimburse the State Board for legal fees incurred in this matter in the amount of Two Thousand Six Hundred Ninety-Seven and No/100 Dollars (\$2,697.00) within ninety (90) days from the date of the State Board's approval of this Stipulated Agreement.

3. Mr. Prockish shall prepare a White Paper and submit it to the Executive Director of the State Board within ninety (90) days of the State Board's approval of this Stipulated Agreement, for State Board review and approval, on the following topics:

- a. Mr. Prockish’s and Dinter’s roles in what “responsible charge of work”

means (NRS 625.080).

- b. What it means to ensure responsible charge of documents signed and stamped by him (NAC 625.610).

4. Mr. Prockish's license shall be suspended for two (2) years immediately following entry of this Stipulated Agreement, but with the suspension stayed and probation imposed for the duration of that time period.

5. The stay of Mr. Prockish's license suspension may be lifted by the State Board, upon notice and the opportunity for Mr. Prockish to be heard, should Mr. Prockish fail to abide by the terms hereof.

6. Mr. Prockish's successful completion of probation is expressly conditioned upon his full compliance with the above terms and following conditions of probation:

- (a) Mr. Prockish shall submit detailed bi-monthly probation reports to the Executive Director of the Nevada 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.

7. Mr. Prockish understands that he must accept this Stipulated Agreement before it will be presented to the State Board for consideration.

8. Mr. Prockish 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.

9. The imposition of discipline set forth in this Stipulated Agreement does not limit the powers of the State Board to impose discipline upon Mr. Prockish on matters not yet



presented to the State Board.

10. Mr. Prockish 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.

11. By entering into this Stipulated Agreement, Mr. Prockish 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.

12. Mr. Prockish is entering this Stipulated Agreement upon his own volition, with full opportunity to consult legal counsel.

13. This Stipulated Agreement contains the entire agreement between the parties. Mr. Prockish 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.

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I, TIMOTHY PROCKISH, have read the above Stipulated Agreement, understand its contents, and accept the conditions set forth within it.

Signed:  Date: 07/08, 2021  
TIMOTHY PROCKISH

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I, TIMOTHY PROCKISH, 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: \_\_\_\_\_, 2021  
TIMOTHY PROCKISH

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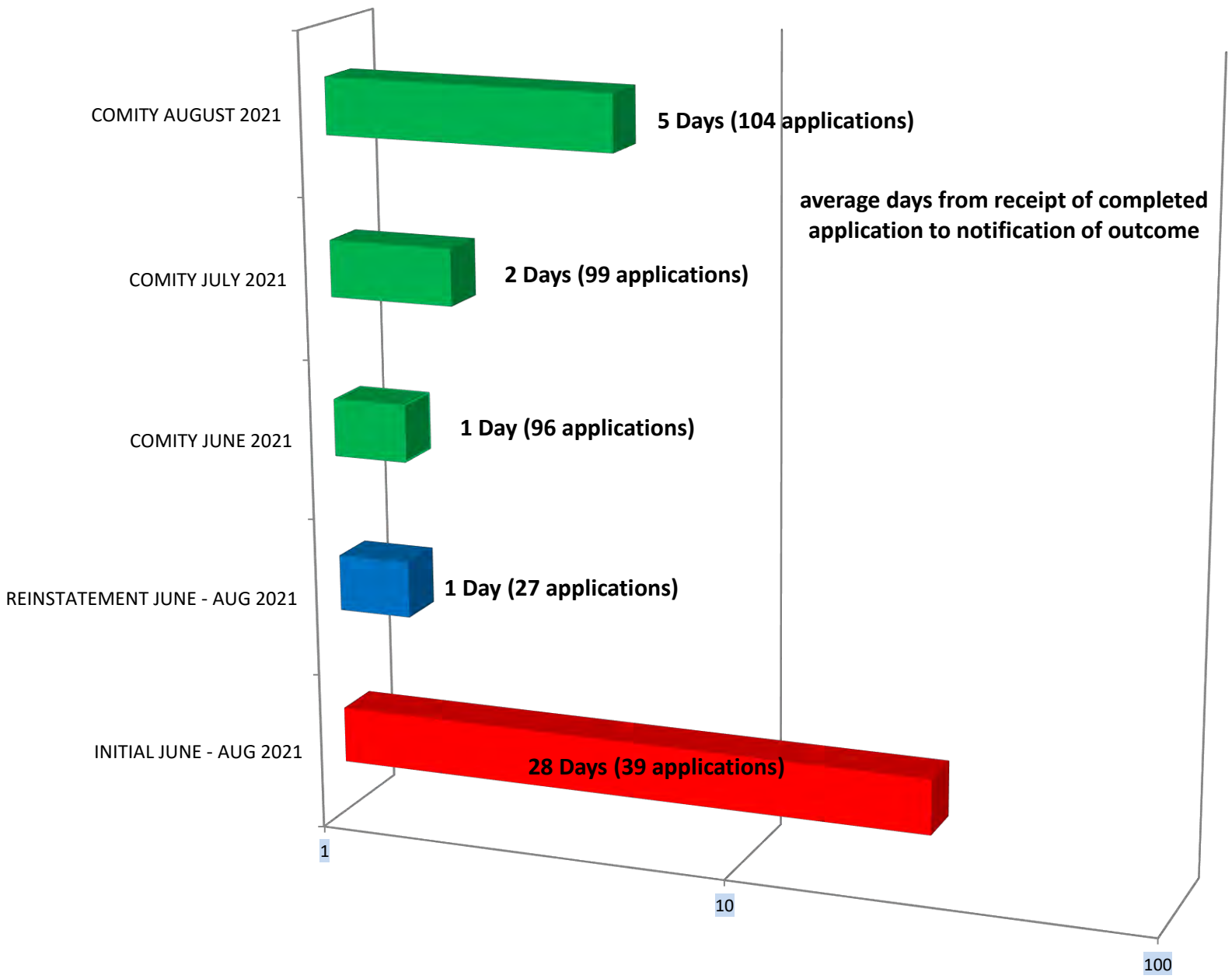
This Stipulated Agreement is approved by the Nevada State Board of Professional Engineers and Land Surveyors this \_\_\_\_ day of \_\_\_\_\_, 2021. The effective date of this Stipulated Agreement is \_\_\_\_\_, 2021.

Date: \_\_\_\_\_, 2021. Signed: \_\_\_\_\_  
MICHAEL KIDD, P.L.S., Chairman

# 12. Board Counsel Report

# 13. Administrative Report by Executive Director

# 13.a. Approved Licensees Report



# 13.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**

# 13.c. NCEES

# 13.c.i. 2021 Annual Meeting Action Items and Conference Reports

# 13.d. Digital Signatures



# 14. Committee Reports

# 14.a. Administrative Procedures Oversight Committee

# 14.b. Legislative Committee

# 14.c. Professional Association Liaison Committee

# 14.d. Public Outreach Committee

# 14.e. PLS Standards of Practice Subcommittee

14.f. Committee for  
Planning and Hosting of  
2022 NCEES Western  
Zone Meeting

15. City of Henderson  
Quality of Plan Submittal  
Task Force



# 16. Non-Appearence Application for Endorsement Licensure

# PATRICK HIGH (17-688-21)

All work experience reviewed by two licensed professionals

DISCIPLINE: CIVIL

## GENERAL



Applying To  
**Nevada**

Application Type  
**Comity - PE**

Application Date  
**08/29/2021**

Citizenship  
**United States**

## SUMMARY



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

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

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

Disciplinary Action  
**None reported**



## EDUCATION



Bachelors in Civil Engineering (EAC)  
**Michigan Technological University**  
**December 1977–February 1983**

## EXAMS



Fundamentals of Engineering (FE)  
**Florida PE**  
**October 1983**

Principles and Practice of Engineering (PE)  
**Civil**  
**Florida PE**  
**October 1987**



## LICENSES

## REMARKS



Non- MLE due to felony conviction.



Initial License  
**Florida PE**  
**Issued: March 1988**  
**Expires: February 2023**

Additional Licenses  
**AZ, CO**

# PATRICK HIGH (17-688-21)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Lloyd and Associates  
Florida (United States)  
Project Engineer  
March 1983—October 1989

Verified by  
**Monte Falls**  
mfalls@covb.org

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



### TASKS

#### Tasks and Duties (100% Engineering)

I was a Project Engineer at Lloyd & Associates for all of the 6 years I was employed there. I also took the fundamentals (E.I.) (1983) exam and the Principals and Practice (P.E.) (1988) exam while employed there. The tasks and duties which I was directly responsible for were civil engineering design including hydraulic calculations for water pressure pipes, lift stations for sanitary sewage pumping, drainage calculations for culverts, pipes, inlets and underground exfiltration trenches. I was directly responsible for the preparation of the detailed construction plans including the written specifications and contract documents. I was directly responsible for all permitting both local and state level to approve the projects for construction. I was responsible for all engineering estimates of probable construction costs in preparation for bidding and then responsible for contract administration and construction inspection during the construction process this would include change orders, work directives, pay requests, and periodic progress review reports.



### REPRESENTATIVE PROJECTS

#### Representative Projects:

I Patrick E. High, P.E. was directly responsible for the engineering for the following projects:

1. Johns Island Infrastructure improvements which included local roads, water and sanitary sewer transmission and collection lines including sanitary pump stations.
2. City of Vero Beach Water and Sewer department infrastructure improvements including the engineering design of the sanitary Pump Stations, Water distribution systems, Sanitary sewer collection and transmission systems, Improvements to the water treatment plant and sewage treatment plant.
3. Hundreds of various private and public clients that had both small and large projects and improvements they wanted addressed. This would include but not be limited to:
  - A. Indian River County School Board  
(Engineering design of the drainage, potable water, sanitary sewer)
  - B. Indian River County Capital Improvements Division  
(Engineering design of the drainage, potable water, sanitary sewer)
  - C. Wal-Mart  
(Engineering design of the drainage, potable water, sanitary sewer)
  - D. Kmart  
(Engineering design of the drainage, potable water, sanitary sewer)
  - E. Albertsons  
(Engineering design of the drainage, potable water, sanitary sewer)
  - F. Publix  
(Engineering design of the drainage, potable water, sanitary sewer)
  - G. Indian River Parks and Recreation Department  
(Engineering design of the drainage, potable water, sanitary sewer)
  - H. Hale Groves  
(Engineering design of the drainage, potable water, sanitary sewer)

# PATRICK HIGH (17-688-21)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

**LBFH**  
Florida (United States)  
Project Engineer  
March 1990—October 1993

Verified by  
**Peter Aquart**  
paquart@craventhompson.com

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



### TASKS

#### Tasks (100% Engineering)

I was a Project Engineer at L.B.F.H. for the 3 years I was employed there. The tasks and duties were civil engineering design and construction plan preparation including written specifications and contract documents. I was responsible for all permitting both local and state level to approve the projects for construction. I was responsible for engineering estimates of probable construction costs in preparation for bidding and then responsible for contract administration and construction inspection during the construction process this would include change orders, work directives, pay requests, and periodic progress review reports.



### REPRESENTATIVE PROJECTS

#### Representative Projects:

I Patrick E. High, P.E., was directly responsible for the construction plans, calculations, permit application submittal, specifications, and contract document preparation for the following projects:

1. Indian River Farms Water Control (Drainage) District Infrastructure improvements including local roads, water and sanitary sewer transmission and collection lines including sanitary pump stations.
2. Town of Jupiter Water and Sewer department infrastructure improvements including Pump Stations, Water distribution systems, Sanitary sewer collection and transmission systems, Improvements to the water treatment plant and sewage treatment plant.
3. Hundreds of various private and public clients that had both small and large projects and improvements they wanted addressed.

This would include but not be limited to:

- A. Palm Beach County School Board
- B. Palm Beach County Capital Improvements Division
- C. Jupiter Wal-Mart
- D. Jupiter Parks and Recreation department
- E. Palm Beach County Parks and Recreation Department.
- F. Publix
- G. Village of Tequesta Parks and Recreation Department
- H. US Coast Guard

# PATRICK HIGH (17-688-21)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Gee & Jenson, EAP  
Florida (United States)  
Project Manager  
October 1993—September 1998

Verified by  
**Greg Giarratana**  
gregg@craigasmith.com

Experience Summary  
**Full-Time**  
**Engineering: 4 years, 11 months**  
**Post EAC degree: 4 years, 11 months**  
**Experience under licensed engineer:**  
**None**

### TASKS

#### Tasks (100% Engineering)

I was a Project Manager/Engineer at Gee & Jenson EAP for the 6 years I was employed there. The tasks and duties were civil engineering design and construction plan preparation including written specifications and contract documents. I was responsible for all permitting both local and state level to approve the projects for construction. I was responsible for engineering estimates of probable construction costs in preparation for bidding and then responsible for contract administration and construction inspection during the construction process this would include change orders, work directives, pay requests, and periodic progress review reports.

### REPRESENTATIVE PROJECTS

#### Representative Projects:

I, Patrick E. High, P.E. was directly responsible for and prepared all the engineering documents associated with:

1. Viera Infrastructure improvements including local roads, water and sanitary sewer transmission and collection lines including sanitary pump stations.
2. City of West Palm Beach Water and Sewer department infrastructure improvements including Pump Stations, Water distribution systems, Sanitary sewer collection and transmission systems, Improvements to the water treatment plant and sewage treatment plant.
3. Hundreds of various private and public clients that had both small and large projects and improvements they wanted addressed. This would include but not be limited to:
  - A. Palm Beach County School Board
  - B. Palm Beach County Capital Improvements Division
  - C. Town of Palm Beach
  - D. Village of Wellington
  - E. Village of North Palm Beach
  - F. City of West Palm Beach
  - G. Palm Beach County Parks and Recreation Department
  - H. North Springs Improvement District

Please note in all of the projects I have noted, my role was project design, permitting, cost estimate preparation, bidding, and contract administration.

# PATRICK HIGH (17-688-21)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

*PBS&J*  
*Florida (United States)*  
*Senior Project Manager*  
**September 1998—May 2002**

Verified by  
**Douglas Norris**  
doug.norris@stantec.com

*Experience Summary*  
**Full-Time**  
**Engineering: 3 years, 8 months**  
**Post EAC degree: 3 years, 8 months**  
**Experience under licensed engineer:**  
**None**



### TASKS

Tasks: (100% Engineering)

I was a Senior Project Manager at PBS&J for the 4 years I was employed there. The tasks and duties were civil engineering design and construction plan preparation including written specifications and contract documents. I was responsible for all permitting both local and state level to approve the projects for construction. I was responsible for engineering estimates of probable construction costs in preparation for bidding and then responsible for contract administration and construction inspection during the construction process this would include change orders, work directives, pay requests, and periodic progress review reports.



### REPRESENTATIVE PROJECTS

Representative Projects: I, Patrick E. High, P.E. was directly responsible and prepared all designs and calculations associated with:

1. Palm Beach County Infrastructure improvements including local roads, water and sanitary sewer transmission and collection lines including sanitary pump stations.
2. City of Boca Raton Water and Sewer department infrastructure improvements including Pump Stations, Water distribution systems, Sanitary sewer collection and transmission systems, Improvements to the water treatment plant and sewage treatment plant.
3. Hundreds of various private and public clients that had both small and large projects and improvements they wanted addressed. This would include but not be limited to:
  - A. Palm Beach County School Board
  - B. Palm Beach County Capital Improvements Division
  - C. City of Boynton Beach Utilities
  - D. Best Buy
  - E. Home Depot
  - F. Publix
  - G. Boca Raton Parks and Recreation Department
  - H. Seminole Indians - (Hard Rock Hotel and Casino)

Please note in all of the projects I have noted, my role was project design, permitting, cost estimate preparation, bidding, and contract administration.

# PATRICK HIGH (17-688-21)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

*Biscayne Engineering Company, Inc.*  
*Florida (United States)*  
*Project Engineer*  
**June 2007—April 2009**

Verified by  
**Albert Dettbarn**  
adettbarn@biscayneengineering.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

#### Tasks (100%Engineering)

I was employed as a Project Engineer at Biscayne Engineering. The tasks and duties that I was specifically responsible for were the civil engineering preliminary design and calculations that are associated with preliminary lift station locations and storm-water treatment areas. These are necessary for the client to make reasonable financial decisions regarding the project. In addition to the preliminary civil design work. During the final construction plan phase I was 100% responsible for the final construction plans and specifications, final lift station and force main calculations, final storm-water treatment system calculations and reports and 100% of the regulatory permitting on both the local and state agency level. I was also responsible for engineering estimates of probable construction cost.



### REPRESENTATIVE PROJECTS

#### Representative Projects:

Many various private and public clients who had both small and large projects and planned improvements that they required Professional Engineering services for. This would include but not be limited to:

1. Stanley Arkin - Architect I was responsible for various sizes of projects which required construction plan preparation, design calculations of pipe sizes, sight distance, slopes on parking lots, and local permitting of proposed land development work.
2. Florida International University - I was responsible for several improvement projects which the company had contracts for which required construction plan preparation, design calculations of pipe sizes, slopes, gravity sewer design, water main sizing, slopes and grades on parking lots, and local permitting of proposed land development work.
3. Nine Island Avenue Condominium Association - I was responsible for the preliminary investigation of the problems associated with the concrete parking structure, more specifically the concrete spalling, or (breaking off of pieces) that was occurring and the possible causes of the spalling. I was responsible for the production of a report that was presented to the condominium board of directors for consideration of expenditures for improvements that would address the problem.
4. Diplomat Hotel - Hollywood, Florida. I was responsible for the construction plan preparation, specifications, and local permitting of a drainage system maintenance project which relived a flooding problem for the hotel. I was also involved in the preliminary engineering and investigation of the chiller line replacement for the hotel.

# PATRICK HIGH (17-688-21)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

G.C. Intergroup, Inc.  
Florida (United States)  
Registered Professional Civil Engineer  
January 2009—May 2016

Verified by  
**Jesus Garcia**  
tony@gcintergroup.com

*Experience Summary*  
**Part-Time**  
**Engineering: 1 year, 10 months (25%)**  
**Post EAC degree: 1 year, 10 months (25%)**  
**Experience under licensed engineer: None**



### TASKS

#### Tasks (25% Engineering)

I was a Registered Professional Engineer for the 7 years I worked on a contract basis with G.C. Intergroup, Inc. My specific role was to perform the tasks and duties which were the design and specifications portion of the civil engineering design/build projects. This specifically was the construction plans, calculation and permit application preparation including written specifications and contract documents. I was responsible for all plans, calculations, specifications, permitting both local and state level to approve the projects for construction. I was responsible for engineering estimates of probable construction costs in preparation for bidding and then responsible for contract administration and construction inspection during the construction process this would include change orders, work directives, pay requests, and periodic progress review reports.



### REPRESENTATIVE PROJECTS

#### Representative Projects:

1. Hundreds of various private clients that had both small and large projects and improvements they wanted addressed. This would include but not be limited to:

- A. First Baptist Church
- B. Diplomat Hotel and Resort
- C. Hialeah Self Storage Facility
- D. Nine Island Avenue Condominium Association

Please note in all of the projects I have noted, my role was project design, permitting, cost estimate preparation, bidding, and contract administration.



# PATRICK HIGH (17-688-21)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

ACES, Inc.  
Florida (United States)  
Registered Professional Civil Engineer  
April 2016—May 2016

Verified by  
**Wayne Webb**  
wwwebb@absoluteces.com

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



### TASKS

Tasks and Duties (100% Engineering)

Registered Professional Engineer

Prepare, review, and update environmental investigation reports. Design projects leading to environmental protection, such as water reclamation facilities. Analyze scientific data and do quality-control checks. Monitor progress of environmental assessment on multiple sites and inspect environmental assessment sites to ensure compliance with environmental regulations. Advise corporations about procedures for cleaning up contaminated sites. Perform inspection for 40 year building certifications. perform calculations for wind load analysis for commercial and industrial buildings.



### REPRESENTATIVE PROJECTS

Representative Projects:

1. Many various private clients that had both small and large projects with structural, environmental and building code concerns they wanted addressed. This would include but not be limited to:

- A. Phase I Environmental Assessments
- B. Phase II Environmental Assessments
- C. 40 Year building certifications
- D. Wind Load Calculations

Please note in all of the projects I have noted, my role was project design, permitting, cost estimate preparation, bidding, and contract administration.

# PATRICK HIGH (17-688-21)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Parsons Government Services  
Singapore (Singapore)  
Public Works Director  
May 2016—September 2016

Verified by  
**Jose Gutierrez**  
Jose.L.Gutierrez@parsons.com

Experience Summary  
**Full-Time**  
**Engineering: 4 months**  
**Post EAC degree: 4 months**  
**Experience under licensed engineer:**  
**None**



### TASKS

#### Tasks and Duties

Operation and Maintenance of the US Navel Regional Contracting Center Singapore, Singapore. The Public Works Director (PWD), (Patrick E. High, P.E.), supervised the activities of various departments within the public works sector. These departments include Housing, Industrial, engineering, utilities and equipment maintenance. The PWD oversaw the physical facilities of the Naval base and any services that enable the Naval base to function. The PWD worked under the direction of the Navy Base Command.

One main aspect of the PWD work is the ability to develop long-term programs that enhance the Naval Base. The PWD was responsible for reviewing the proposals of the public works staff. The PWD presents the certified design plans and calculations to the Navy Department Heads for consideration and then assigns work to the staff once a project has been selected. The PWD prepares detailed design plans and performs all the calculations necessary for a complete project. The calculations prepared were for structural analysis of various components, hydraulic analysis of storm sewer structures and drainage systems. The PWD analyzes completed projects against the budget in order to track the group's spending and the success of the project.



### REPRESENTATIVE PROJECTS

#### Representative Projects:

During the entire contract the (PWD), (Patrick E. High, P.E.), had only one client and that was the US Navy Base located at PSA Terminal Sembawang, Singapore.

Our contract had multiple task orders in any given day and daily maintenance of the base including support of any activities the military should undertake. My duties included preparing design plans, calculations, specifications and procurement for various structural building additions, plumbing repairs, drainage improvements, roadway improvements. These projects numbered in the hundreds and had various lengths of time.

Please note that during the contract, my role was overall supervision, project design & calculations, permitting, cost estimate preparation, bidding, and contract administration.

## WORK EXPERIENCE

Patrick E. High, P.E.  
Florida (United States)  
Registered Professional Civil Engineer  
May 2002—September 2017

Verified by  
**Clemencia Dobiecki**  
info@dobieckismitharchitects.com

*Experience Summary*  
**Full-Time**  
**Engineering: 15 years, 4 months**  
**Post EAC degree: 15 years, 4 months**  
**Experience under licensed engineer:**  
**None**

### TASKS

#### Tasks (100% Engineering)

I am a Registered Professional Civil Engineer at Patrick E. High, P.E. (part time), for the past 15 years. I was responsible for the following specific tasks and duties associated with most land development or redevelopment projects:

I Evaluated the potable water needs of the new development or redevelopment project.

I evaluated the sanitary sewer needs of the new development or redevelopment project.

I evaluated the traffic requirements and parking needs of the new development or redevelopment project.

I evaluated the additional stormwater runoff and drainage requirements of the new development or redevelopment project.

I evaluated the fire protection requirements of the new development or redevelopment project.

After I completed the initial evaluation of the needs and requirements noted above, I evaluated the existing availability of the said services either by local utility for potable water, sanitary sewer or legal positive outfall in the review of stormwater and drainage and road R/W availability and legal access in the discussion of traffic and parking requirements. If these facilities did not exist, I would evaluate the feasibility of bringing them in from offsite to serve the project.

I preformed engineering calculations that were done to accommodate the evaluations above which were:

1. Potable water demand calculations and pipe sizing for water systems.
2. Sanitary sewer demand calculations and pump/lift station calculations along with force main sizing calculations.
3. Traffic Generation calculations.
4. Stormwater Pre vs Post development calculations.
5. Fire Flow demand calculations.
6. Complete development of construction plans and detailed specifications needed to bid and construct the land development or redevelopment project.
7. Regulatory permitting

I was responsible for all of the above at 100%.

### REPRESENTATIVE PROJECTS

#### Representative Projects:

1. Orchid Landing Village, Indian River County, Florida.

Project duration: 2005-2007.

Project Type: Multifamily land development.

Regulation Compliance: County Engineering, Traffic, Environmental, FDOT, SJRWMD, FDEP, ACOE.

Project size: 100 Acres.

2. Keys RV Park, Monroe County, City of Marathon, Florida

Project duration: 2006-2007

Project Type: Trailer Park Regulatory compliance order for sanitary sewer treatment plant.

Regulation Compliance: Monroe County Health Department County Engineering, FDOT, FDEP.

Project Size: 20 Acres

3. Nine Island Avenue Condominium, MiamiDade County, City of Miami Beach, Florida

Project duration: 2009-2010.

Project Type: Condominium Improvements.

Regulation Compliance: County Building Department, County Environmental Resource Management Department.

Project Size: 30,000 Sq Ft.

4. Diplomat Hotel and Resort, Broward County, City of Hollywood, Florida

Project duration: 2005-2007.

Project Type: Hotel Resort Engineering and Preventive Maintenance Issues.

Regulation Compliance: County Engineering, FDOT, SFWMD, County Health Department,

Project Size: 5 Acres

5. Miramar Town Center, Broward County, Florida

Project duration: 2005-2007.

Project Type: Multifamily Land Development.

Regulation Compliance: City Engineering, County Environmental Resource Management, County Health Department, SFWMD.

Project Size: 60 Acres

6. La-Perle Town-homes Development, Broward County, Town of Davie, Florida.

Project duration: 2015-2017.

Project Type: Multifamily land development.

Regulation Compliance: Town Engineering, Utilities, County Health Department, SFWMD, CBWCD.

Project Size: 1 Acre

7. The Moorings Clubhouse, Indian River County, City of Vero Beach, Florida

Project duration: 2005-2006.

Project Type: Golf Course Improvements

Regulation Compliance: County Engineering, SJRWMD

Project Size: 50,000 Sq Ft.

8. Beacon Lakes, 25th Street Canal Improvements, MiamiDade County, Florida

Project duration: 2002-2003.

Project Type: Industrial Land Development.

Regulation Compliance: County Engineering, County Environmental Resource Management. SFWMD

Project Size: 10 Acres.

9. Also, hundreds of various private and public clients that had both small and medium projects and improvements they desired for me to addressed.

Please note, in all of the above projects I have noted, I performed the following:

A. I performed 100% of the project preliminary engineering & design which included preliminary drainage calculations, utility availability investigations, negotiations with local utilities regarding point of service, and preliminary engineers estimate of construction cost.

B. I performed 100% of the final engineering & design which included lift station and hydraulic piping calculations, drainage calculations, traffic studies and statements.

C. I performed 100% of the final engineer's estimate of probable construction cost.

D. I performed 100% of the regulatory permitting which included; local municipal government building, and engineering departments, state environmental and drainage districts, federal army corps of engineers.

# PATRICK HIGH (17-688-21)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Allen Engineering, Inc.  
Florida (United States)  
Project Engineer  
September 2017 – November 2017

Verified by  
**David Lavender**  
dlavender@alleneng.net

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



### TASKS

I am currently a Project Engineer at Allen Engineering and I am specifically responsible for civil engineering design, calculations pertaining to lift station design, hydraulic pipe design, storm-water management design, and construction plan preparation.



### REPRESENTATIVE PROJECTS

Representative Projects:

This would include but not limited to:

1. Palm Bay RV Park; I am responsible for the engineering design of the storm-water management system, the potable water system and the sanitary sewer system. I am responsible and have performed the drainage calculations and compiled the drainage report. I am responsible and have directed the construction plan preparation and the specific details associated with the said plans. I am responsible for the regulatory agency permit review including SJRWMD, State of Florida DEP, Local drainage district and local government engineering department.

# PATRICK HIGH (17-688-21)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Patrick E. High, PE  
Florida (United States)  
Registered Professional Civil Engineer  
November 2017—October 2018

Verified by  
**Clemencia Dobiecki**  
info@dobieckismitharchitects.com

Experience Summary  
**Part-Time**  
**Engineering: 6 months (50%)**  
**Post EAC degree: 6 months (50%)**  
**Experience under licensed engineer:**  
**None**



### TASKS

I was responsible for site work civil engineering for a projects. Tasks were flexible pavement design, stormwater management system design, drainage infrastructure, potable water system design, sanitary sewer system design.



### REPRESENTATIVE PROJECTS

One project I worked on was the LaPerle townhome development in Davie, Florida My role in the project was engineer of record and permitting through the Central Broward Water Control District, South Florida Water Management District, and the Town of Davie.

# PATRICK HIGH (17-688-21)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Centerpoint Engineering, LLC  
Colorado (United States)  
Civil Engineer  
October 2018—November 2018

Verified by  
**Gregory Toler**  
gtoler@centerpoint-is.com

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



### TASKS

I am currently a Civil Engineer at CenterPoint Engineering, LLC in Lakewood, CO. I am specifically responsible for civil engineering site design, calculations, pertaining to lift station design, hydraulic pipe design, storm-water management design, potable water distribution system, sanitary sewer collection and transmission, and construction plan preparation. I am also responsible for regulatory agency permit application preparation.



### REPRESENTATIVE PROJECTS

This would include but not limited to:

1. 8001 Homesteader Subdivision; I am currently responsible for and personally preformed the tasks of engineering design of the storm-water management system, the drainage report, the potable water system, and the fire hydrant supply lines. I am currently responsible for and have personally preformed the tasks associated with the preparation of the construction plans, and the specific details associated with said plans. I am currently responsible for and personally preformed the tasks associated with the regulatory agency permit submittal and review including the State of Colorado Department of Public Health & Environment, (CDPS), Local municipal government, (Jefferson County), engineering, public works, transportation, and planning and zoning departments.
2. Community Energy Solar Development and Lafayette Horizon Solar CSG, LLC  
I am currently responsible for and have personally preformed the tasks associated with the engineering design of the storm-water management system. I am responsible for and have personally preformed the tasks of creating and preforming all the calculations for the above mentioned stormwater management system and drainage report. I am responsible for and have personally directed the construction plan preparation and the use of specific details associated with said plans. I am responsible for and personally prepared and submitted the regulatory agency permit applications for review including the State of Colorado Department of Public Health & Environment, (CDPS), Local municipal government, (Jefferson County), engineering, public works, transportation, and planning and zoning departments.

# PATRICK HIGH (17-688-21)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

(CEC), Civil Engineering Consultants,  
Don Durden, Inc.  
Texas (United States)  
Commercial Practice Leader  
August 2019—November 2019

Verified by  
**George W Peck**  
gpeck@cectexas.com

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



### TASKS

I regularly contact and form relationships with outside entities to promote the CEC brand and increase backlog while I personally am involved in managing client relationships and guiding the application of CEC services within the Division and Practice. I develop strategies to create and maintain high visibility in the marketplace through regular client contact and participation in client-based professional organizations, attendance, and presentation at industry events and advancing the CEC brand. I am directly responsible for business development and project delivery of CEC projects and opportunities. I have regular conversations and project reviews with CEC staff to ensure project designs and methods are consistent with the health and welfare of the public and are consistent with our company standards.



### REPRESENTATIVE PROJECTS

1. Marriott River Village: I designed and set the proposed grades and designed the stormwater collection system and the new revised layout of the sanitary sewer collection system for the proposed site plan for the new hotel planned along the Guadalupe River in New Braunfels.
2. Water Wheel water distribution System: I coordinated the modeling of the water distribution system in Water Cad and I reviewed, analyzed, checked, and verified the results of the model for submittal, for a planned subdivision located in the San Antonio water system. SAWS.



# PATRICK HIGH (17-688-21)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Benchmark Engineers  
Colorado (United States)  
Business Development Director  
July 2020—July 2021

Verified by  
**Scott Larson**  
scottL@benchmarkengineers.com

Experience Summary  
**Full-Time**  
**Engineering: 3 months (25%)**  
**Post EAC degree: 3 months (25%)**  
**Experience under licensed engineer:  
3 months**



### TASKS

Develop new business for firm in satellite office in Fort Collins, Colorado. Directed and supervised several engineering projects during my employment. 15% engineering and 85% business development as a estimate for the term.



### REPRESENTATIVE PROJECTS

Creek bank relocation for client on a commercial/industrial site. My role in the project was to establish the design parameters, direct the drafting of the design plans, determine the permitting requirements and deliver the plans to said permitting agencies for review and approval.

Rural mountain driveway analysis and report for client. My role was to develop and prepare a report for our client to establish minimum design and maintenance parameters for a access driveway that served his home and other home sites in the mountains of Colorado.

This report included proposed cross sections, costs for construction and costs for maintenance.

# PATRICK HIGH (17-688-21)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

York Engineering  
Colorado (United States)  
Registered Professional Civil Engineer  
July 2021 – August 2021

Verified by  
**Helena Nona Dopita**  
helena.dopita@yorkengineering.com

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



### TASKS

My tasks and duties currently are to perform the duties necessary to enable the civil engineering section of the firm to operate effectively and efficiently. I have worked on a couple projects to date that include developing plot plans for single family homes and setting grades around the structure to allow proper drainage. I also certify the work complete to the local regulatory agencies, when the construction is finished. These homes are being built in Windsor, Colorado. This is a confidential client. I also have been involved with preparing site plan submittals to the City of Aurora, CO. for a townhome development. I performed project analysis, design, drafting, client relations, management, and billing. This is a confidential client. At this time the percentage of engineering to non-engineering duties is approximately 90% engineering duties to 10% non-engineering duties.



### REPRESENTATIVE PROJECTS

My tasks to date have been related to our clients that are home builders in the State of Colorado. I have worked on a couple projects to date that include developing plot plans for single family homes and setting grades around the structure to allow proper drainage. I also certify the work complete to the local regulatory agencies, when the construction is finished. These homes are being built in Windsor, Colorado. This is a confidential client. I also have been involved with preparing site plan submittals to the City of Aurora, CO. for a townhome development. This is a confidential client. I performed project analysis, design, drafting, client relations, management, and billing. I would be responsible for preparing the plot plans showing the proposed home on the site and grading the site relative to the surveyed topo and the master grading plan prepared for the subdivision and approved by the regulatory agencies responsible. Also responsible for certification of the grading plan and submittal of said plan to the local jurisdiction once the home and site have been constructed and developed.

ADDITIONAL INFORMATION



QUESTIONS

**Has your original license lapsed? If yes, explain.**

No

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

Yes, I applied for licensure to the State of Texas and withdrew my application in the fall of 2019. The state of Texas informed me that even though I withdrew my application, the record might reflect a denial without cause. I am not completely sure what the record reflects but want to disclose what I know here to be completely transparent.

**Have you ever been convicted of a misdemeanor? If yes, explain.**

Yes, 1985 DUI, misdemeanor, Indian River County, Florida 2019 DUI, misdemeanor, Bexar County, Texas All requirements have been completed

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

Yes, 2009, DUI, Palm Beach County, Florida I was riding a motorcycle on 12/20/2007 in Boca Raton Florida and was pulled over to the side of the road by the police. He said he thought I had been drinking and placed me under arrest. When my court date came on 05/01/2009 I plead guilty to the charge. Because it was a 4th offense in my lifetime it was considered a felony. I have met all the requirements of the court and have successfully exited the system. Please note that this is behind me and I have begun my life over again.

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

No

# PATRICK HIGH (17-688-21)

All work experience reviewed by two licensed professionals

## ADDITIONAL INFORMATION



### TIME GAPS

Start Date	End Date	Reason	Explanation
06/1977	11/1977	Unemployed	I was working doing miscellaneous jobs between high school and college. Those places are out of business right now and unable to contact and verify my employment.
12/2018	07/2019	Unemployed	I was self employed during this time frame.
12/2019	06/2020	Unemployed	I was self employed during this time.

# PETER SECKINGER (20-152-24)

All work experience reviewed by two licensed professionals

DISCIPLINE: MECHANICAL

## GENERAL



Applying To  
**Nevada**

Application Type  
**Comity - PE**

Application Date  
**08/23/2021**

Citizenship  
**United States**

## SUMMARY



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

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

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

Disciplinary Action In:  
**FL PE, MD PE**



## EDUCATION



Bachelors in Mechanical Engineering (EAC)  
**Georgia Institute of Technology**  
September 1979–March 1985

## EXAMS



Fundamentals of Engineering (FE)  
**Georgia**  
October 1984

Principles and Practice of Engineering (PE)  
**Mechanical**  
**Georgia**  
October 1994



## LICENSES



Initial License  
**Georgia**  
Issued: February 1995  
Expires: December 1998

Initial License  
**Pennsylvania**  
Issued: December 1999  
Expires: September 2021

Additional Licenses  
**CO, FL PE, MD PE, NC, TN PE, UT, VT PE, VA, WY**

# PETER SECKINGER (20-152-24)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

USAF  
Engineer  
April 1980—May 1980

Verified by  
**Jones**

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



### DESCRIPTION

Pre-2008 work experience details can be seen on attached work experience form

# PETER SECKINGER (20-152-24)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

USAF  
Engineer  
September 1980—December 1980

Verified by  
**Jones**

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



### DESCRIPTION

Pre-2008 work experience details can be seen on attached work experience form

# PETER SECKINGER (20-152-24)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

USAF  
Engineer  
April 1981 – May 1981

Verified by  
**Jones**

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



### DESCRIPTION

Pre-2008 work experience details can be seen on attached work experience form



# PETER SECKINGER (20-152-24)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Charleston Naval Shipyard  
Engineer  
April 1985—January 1986

Verified by  
**Crame**

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



## DESCRIPTION

Pre-2008 work experience details can be seen on attached work experience form

# PETER SECKINGER (20-152-24)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

United States Air Force  
Engineer  
January 1986—October 1988

Verified by  
**Kelley**

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



### DESCRIPTION

Pre-2008 work experience details can be seen on attached work experience form

# PETER SECKINGER (20-152-24)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Nottingham Brook & Pennington Inc  
Engineer  
October 1988—April 1993

Verified by  
Nottingham

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



### DESCRIPTION

Pre-2008 work experience details can be seen on attached work experience form

# PETER SECKINGER (20-152-24)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

*Kelly Lundstrom George Inc*  
*Engineer*  
**April 1993—June 1996**

*Verified by*  
**Stephenson**

*Experience Summary*  
**Full-Time**  
**Engineering: 3 years, 2 months**  
**Post EAC degree: 3 years, 2 months**  
**Experience under licensed engineer:**  
**None**



## DESCRIPTION

Pre-2008 work experience details can be seen on attached work experience form

# PETER SECKINGER (20-152-24)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

*The Maddox Group*  
*Engineer*  
**June 1996—April 1997**

*Verified by*  
**Maddox**

*Experience Summary*  
**Full-Time**  
**Engineering: 10 months**  
**Post EAC degree: 10 months**  
**Experience under licensed engineer:**  
**None**



### DESCRIPTION

Pre-2008 work experience details can be seen on attached work experience form

# PETER SECKINGER (20-152-24)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Seckinger Design Associates, Inc.  
Georgia (United States)  
Principal  
July 1996—September 2006

Verified by  
**Robert M. Maddox**  
Maddoxgroup@comcast.net

Experience Summary  
**Full-Time**  
**Engineering: 7 years, 8 months**  
**(75%)**  
**Post EAC degree: 7 years, 8 months**  
**(75%)**  
**Experience under licensed engineer:**  
**7 years, 8 months**

## TASKS

I ran an engineering consulting firm specializing in HVAC, plumbing, and electrical design for a mix of commercial, industrial, and institutional facilities. The workload included international work as well as extensive involvement in telecommunications/internet facilities. I performed healthcare designs ranging from professional medical offices with out-patient surgery to in-hospital surgical facilities. A large portion of the practice was prototype food service facilities nationwide. I was directly involved in all of these designs as well as mentoring and providing guidance and training to junior staff members. The firm grew from a home location to space in increasing office spaces. Staff increased from one to approximately 20 employees. I was personally involved in setting design direction and making final design decisions in addition to coordinating design work between the various disciplines.

Staff capabilities grew with experience and projects became more sophisticated. My food services designs included multiple Chick-Fil-A license locations where the restaurants are put into special spaces such as food courts and medical office buildings. Fitting the restaurants into these non-standard spaced required more detailed solutions than a typical prototype site adapt store. I also designed HVAC and plumbing systems for multiple Hooter's restaurants around the nation. The Hooter's restaurants were a true prototype design and I coordinated local code requirements with the requirements of the restaurant layout.

Engineering 80%  
Management 10%  
Sales and Marketing 10%

## REPRESENTATIVE PROJECTS

### BEHR Paint Facility - McDonough, GA (1999)

I designed full MEP design for a new factory producing paint products. Design included areas of explosion-proof design. I coordinated my design with with HA Sack Company, the design-builder client. My design efforts included high pressure natural gas distribution, HVAC, electrical power distribution, and special explosion proof areas.

### Fayette Community Hospital - Fayetteville, GA

#### Heart Catherization Suite. (2004)

I designed the HVAC and plumbing systems for an invasive surgical operating room for this local hospital. Coordination with vendors and electrical consultants was under my control. The HVAC design I did included laminar flow diffusers and applying principles of healthcare design.

### Multiple Chick-Fil-A License Locations (1997-2005)

I designed HVAC and plumbing systems design for multiple license locations for this prominent chain of restaurants. The license locations present more challenges to incorporate the store layout with the available utilities and space available. The hood exhaust designs were especially challenging as these locations were typically inside other buildings. Long runs of exhaust duct required specific design calculations and compliance with code requirements.

### Metro Dade Food Court - Miami, FL (1999)

I designed the HVAC and plumbing systems for the renovation the county headquarters building food court. The driver to the renovation was the addition of a Chick-Fil-A store within the food court. I worked closely with the architect and food service consultant. I calculated loads and did energy code compliance demonstration calculations.

#### Multiple Hooter's Restaurant Sites (1999-2004)

I designed HVAC and plumbing systems along with coordinating the electrical design and code coordination for site adaptation for multiple prototype designs for this chain restaurant. I did energy calculations to ensure local code compliance was achieved.

#### Multiple Cingular Wireless Retail Stores (2003-2005)

I designed the HVAC and plumbing systems and coordinated the electrical design for tenant fit out designs for multiple Cingular Wireless Sites throughout the Southeastern United States ensuring adequate HVAC and energy code compliance.

#### Peachtree Center Food Court - Atlanta, GA (1998)

I thought of and designed an innovative solution to adjacent tenant complaints of food odors by reworking the grease exhaust system for the entire food court routing all grease exhaust ducts to a central air washer in the parking garage located below the food court. I also served as the tenant review engineer for additional restaurant stores added to the space checking other consultant designs to ensure compliance with base building standards and local codes.

#### Multiple Bank Branch Sites (2000-2005)

I designed the HVAC and plumbing systems for multiple bank building prototypes for Regions Bank and 5/3 Bank throughout the Southeastern United States. Equipment was selected by me based on load estimates done by me. I also did construction administration to ensure that our designs were implemented accurately.

#### Multiple POP Sites for ITC/Deltacom - Southeast USA (1999-2004)

I designed the HVAC and plumbing systems for multiple internet switch sites throughout the southeast. I coordinated my designs with vendors and other consultants. These designs involved critical infrastructure and redundancies. The Maddox Group performed the electrical designs.

# PETER SECKINGER (20-152-24)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Peter R. Seckinger, P.E.  
Virginia (United States)  
Principal

September 2006—January 2011

Verified by  
**Crawford Murphy**  
cmurphy@redclawengineers.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

I offered professional engineering services in the design and assessment of commercial facility building systems. Major emphasis on building systems studies and analyses, banking support services, project management, and construction management. I performed contract work for other engineering firms. Projects centered around schools and government facilities. I acted as a Resident Engineer Inspector (REI) for a major DC Government construction project. I served as project manager on multiple GSA projects including the cafeteria renovation at the Library of Congress. Performed business development activities to include making multiple presentations in response to RFP's. I communicated with Agency principals and directors about progress on various projects. I trained, mentored, and gave design guidance to less experienced designers and engineers. I performed field analysis and troubleshooting to resolve construction design conflicts to assure minimal impact to schedule and cost. I also identified energy conservation measures (ECM) to guide different agencies toward compliance with Presidential E.O. 13693.

Engineering 90%  
Management 5%  
Sales and Marketing 5%

## REPRESENTATIVE PROJECTS

### ColdStone Creamery - Largo, FL (2006)

I designed the HVAC and plumbing systems for this retail food service establishment. I led the coordination with the architect and my electrical consultant.

### Multiple World of Wings(WOW) Locations (2006-2007)

I designed the HVAC and plumbing systems for multiple locations of this retail food service establishment. The designs included air conditioning as well as kitchen exhaust systems design. The plumbing design utilized separated sanitary lines and grease waste lines along with grease interceptor selections. I coordinated my equipment designs with my electrical consultant and other consultants.

### Waldo Fuel Center and Arby's (2007)

I designed the HVAC and plumbing systems for this full service fuel center and combined fast food restaurant. I coordinated my design with my electrical consultant and the architect. My design included air conditioning and kitchen exhaust systems. Kitchen plumbing design as well as large restroom batteries were designed by me. I coordinated with the fuel vendors as well.

### 2315 St Paul St Federal Landbank Condominiums Baltimore, MD (2007)

I designed the retrofit of this historic Baltimore building as an adaptive reuse to convert the former 7-story office building to luxury condominiums. The building systems design performed by me included a water source heat pump design that was later changed to multiple direct expansion split systems. My design also included stairwell pressurization system and emergency generator coordination with the new elevator systems. I coordinated with my electrical consultant, the developer, and the architect.

### Prince William County Taxpayer Assistance Counter -Woodbridge, VA (2008)

I designed the HVAC modifications and coordinated the electrical design for this area modification to convert the area to a customer service counter. My design included modifications to the existing HVAC layout. I performed load estimates to determine the revised air quantities required by the new occupancy.



Baghdad Embassy Congressional Hearing Consultation - McLean, VA

In 2008 I briefed the representing attorney on building systems practices as part of a Congressional inquiry into cost overruns at the new embassy facility using my extensive experience in building systems design and construction.

DOES HQ Building REI - Anacostia, MD (2009-2010)

I acted as the Resident Engineer Inspector on a multi-million dollar construction project for the District of Columbia. The original design team had been terminated and many field changes were required to keep the project on time and within budget. I revised the original plumbing design to use a recirculation line rather than using heat trace on the hot water piping to save energy over the original design. I was required to be on site to make instant engineering decisions to keep the project moving while maintaining the integrity of the systems designs.

Consulting for Multiple Government Agencies (2008-2012)

I set design direction and led a group of designers working on multiple US Government agency facilities to help them achieve the required energy usage reductions. I also designed the HVAC systems in multiple facility renovations including acting as project manager on the NASA HQ renovation project. I calculated loads and selected equipment for the Library of Congress Cafeteria renovation while acting as Senior Engineer and Project Manager. Multiple GSA projects were under my direction, control, and design responsibility.

Union Craft Brewery (2010)

I did field surveys to convert this former industrial woodshop to a micro-brewery. I designed the HVAC and plumbing systems and coordinated the electrical design efforts. I calculated loads and selected equipment to meet those loads. I also designed connections to the brewery equipment and designed provisions for drainage and supply lines to the brewery equipment. I also designed comfort air conditioning for the tasting room.

# PETER SECKINGER (20-152-24)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

PEG, LLC  
Virginia (United States)  
Director of Design  
December 2014—June 2016

Verified by  
**Muhammad Tahir Riaz**  
tahir.riaz@gmail.com

*Experience Summary*  
**Full-Time**  
**Engineering: 1 year, 2 months (75%)**  
**Post EAC degree: 1 year, 2 months (75%)**  
**Experience under licensed engineer: 1 month**

### TASKS

I managed and directed a staff responsible for commercial and residential design. Residential designs I performed included design support for major national homebuilders including energy code certifications in multiple municipalities nationwide. I also analyzed load estimates and selected appropriate equipment to match the HVAC loads. Commercial designs I designed included food service, retail, base building, and tenant fit out designs for MEP systems. I taught design training professional development seminars for junior design staff. I encouraged professional advancement through obtaining EIT and PE credentials.

Engineering 70%  
Management 20%  
Sales and Marketing 10%

### REPRESENTATIVE PROJECTS

#### NVR HVAC Plans for Multiple Models Nationwide

I reviewed and approved the timely and accurate submittal of HVAC loads and equipment selections. I calculated loads and selected equipment. In addition to these items, I checked, edited, and approved energy certification paperwork to be submitted with the design plans. I performed similar support for other national home builders such as Lennar.

#### Multiple Commercial Projects

##### Dunkin Donuts - Upper Marlboro, MD

I designed the HVAC and plumbing systems and coordinated the electrical design of a new donut shop in a tenant shell space. The design included coordination with existing utilities along with compliance with Dunkin Donuts corporate design standards as well as Maryland Code requirements.

##### Dunkin Donuts - Baltimore, MD

After I did a field survey to determine existing conditions I designed the HVAC and plumbing and coordinated the electrical design of a renovation to an existing Dunkin Donuts store that remained open during the renovation. Updated electrical systems and the addition of exhaust hoods were part of this project. I selected and specified the exhaust hoods based on the cooking equipment located underneath.

##### Savannah's Candy Kitchen - National Harbor - Oxen Hill, MD

I did field surveys of existing MEP system conditions. I designed the HVAC and plumbing systems and coordinated the electrical design of a retail/food service tenant fit out for a candy store franchise in this retail waterfront center. I designed the connection of the new systems to existing MEP support utilities along with coordination with county code officials regarding the specific requirements.

# PETER SECKINGER (20-152-24)

All work experience reviewed by two licensed professionals

## WORK EXPERIENCE

Integrated Building Solutions, LLC  
Florida (United States)  
Principal  
January 2011 – August 2021

Verified by  
**Kevin Kevin Harrison**  
kharrison@trinityeng.net

Experience Summary  
**Full-Time**  
**Engineering: 8 years (75%)**  
**Post EAC degree: 8 years (75%)**  
**Experience under licensed engineer:**  
**None**

### TASKS

I am offering consulting services related to building systems design, assessments, improvements, and troubleshooting. I also offer professional opinions and peer review of other consultant's designs for code, constructability, and operational issues. Design and construction administration services are also offered by me.

Tenant fit out designs are a large portion of my current workload. These projects range from new shell and tenant fit outs to simple renovations or changing tenants and matching the systems to the new tenant requirements ensuring that applicable codes are met for the particular occupancy. Designs in many Florida areas require specific hurricane design criteria to be met depending on the location. Energy code compliance calculations are an integral part of our designs especially when involving new equipment selections or extensive renovation amounts.

Recent practice includes building systems assessments nationwide to check for potential humidity problems as well as evaluating maintenance practices to ensure reliable operation.

Engineering 80%  
Management 10%  
Sales and Marketing 10%

### REPRESENTATIVE PROJECTS

#### Tenant Fit Outs (2011-present)

I calculated loads and designed the HVAC systems for an apartment building in Baltimore, MD in 2011. The plumbing modifications I designed involved adding a restroom with shower. The electrical modifications design was done by others but coordinated through me.

I designed the HVAC and plumbing systems for Chestnut Avenue Pizza in Baltimore, MD in 2013. The HVAC design included venting provisions for multiple imported pizza ovens. I calculated the loads and selected appropriate HVAC equipment. I coordinated the electrical design.

I designed a the HVAC and plumbing systems for a specialty coal-fired field-built pizza oven restaurant in Bethesda, MD in 2012. The HVAC design was extensive as the oven operates continuously at 1800F. I designed the plumbing systems for the kitchen area as well as the restroom areas. The electrical design was done by others but coordinated by me.

I designed the HVAC systems for a Pediatrician Office in Crofton, MD area in 2017. I estimated loads, did field surveys, selected equipment, and laid out new ductwork and diffusers to expand the available office and exam space available. I also revised the zoning of the existing HVAC systems that were remaining to improve occupant comfort.

Performed MEP design for small retail space as part of an overall renovation to a restaurant and gift shop project in September of 2020. This project required extensive coordination with the architect regarding refurbished lighting and new mechanical equipment. Energy code compliance calculations were also performed using ComChek.

I designed the HVAC, plumbing, and electrical modifications for a medical office space for a Podiatrist in Venice, FL recently in June of 2020. The work was primarily minor relocations of light fixtures and diffusers along with plumbing modifications to accommodate the revised floor plan layout.

I designed the mechanical and electrical design for adding infrared heaters to an outdoor seating area of a waterfront restaurant in Englewood, FL in September of 2020. The design included adding a new 400A 240v/1-phase service to the facility to allow for an all electric installation with future plans to tie into a grid-tied solar array.

#### LGV Glass HQ Bldg - Dulles, VA (2014)

I designed the HVAC, plumbing, and fire protection systems and managed the electrical design for the shell and tenant fit out MEP design for this multi-story headquarters building located near Dulles Airport in Dulles, VA. The HVAC system I selected was a central variable air volume system with multiple terminal devices for sub-zoning. I calculated estimates for future tenant loads as well as incorporated specific tenant requirements as part of the Phase I of this speculative building.

#### Humidity Assessments for Multiple Hotels Nationwide BRE Hotels (2018-present)

I performed assessments of possible sources of humidity problems and maintenance practices at multiple properties. I reported recommendations and coordinated corrective measures with associated contractors. Projects are located nationwide and in various climate zones.

#### OSAKA Restaurant (2019)

I designed the HVAC and plumbing and coordinated the electrical design for a 7500sf Hibachi restaurant. Challenges presented in the design were the large amount of exhaust air and providing adequate makeup air while maintaining comfort condition of temperature and humidity. Follow up construction administration and resolution of equipment deficiencies were also part of my duties.

#### Tallahassee Office Building (2020)

I designed the HVAC and plumbing systems and coordinated the electrical design for a two-story 9000 sf office building in Tallahassee, FL. The upper floor will be fully occupied while the lower floor will start as shell space. I selected split direct expansion air conditioning combined with 92% efficient gas furnaces to meet the HVAC needs of the building. I selected the plumbing hot water system to use a combination of point-of-use electric instantaneous heaters for two remote restrooms and gas-fired instantaneous heaters for the main restroom batteries and breakroom. The lighting is LED to increase energy efficiency. The building is being designed with 240V single phase power at the Owner's request so that he may connect a simple emergency generator to the service in the event of adverse weather conditions.

ADDITIONAL INFORMATION



QUESTIONS

**Has your original license lapsed? If yes, explain.**

Yes, I moved out of state and practiced in Virginia and Maryland for approximately 12 years. I let my GA license lapse. I am currently in the process of reinstatement of my GA license.

**Have you ever been denied licensure by a jurisdiction? If yes, explain.**

Yes, in 2007 Maryland initially refused to renew my license due to my felony conviction unrelated to the practice of engineering. Their rules state that the felony must be related to the practice of engineering. After appearing before the board in person, they agreed to renew my license after 6 months of probation. I have maintained my license in Maryland ever since that renewal.

**Have you ever been convicted of a misdemeanor? If yes, explain.**

No

**Have you ever been convicted of a felony? If yes, provide a brief letter of explanation and court documents.**

Yes, In September of 2005, I was arrested and charged with Obscene Internet Contact for chatting in an adult chat room online with an undercover police officer posing as a 14-year-old girl. In September of 2006, I plead guilty to spare my family further embarrassment. I was sentenced to 10 years of probation with 6 months to be served in the Paulding Probation Detention Center. I was also required to register as a sex offender. I completed my sentence at Paulding Probation Detention Center as a model detainee. Upon my release I reported to Fairfax County, Virginia Probation Office. During my probation I was subject to periodic polygraph examinations to ensure compliance. I was also required to attend group and individual therapy sessions. In addition to these therapy activities I participated in both individual and group therapy sessions including a 12-step program. I completed my mandated program of therapy successfully and in 2014 I was released early from supervised probation by Judge Fletcher Sams of Fayette Superior Court in Fayette County, Georgia. After completion of my 10 years of probation, my rights to vote and hold office were restored by the Commonwealth of Virginia. In January of 2018 I petitioned for removal from the sex offender registry as I had met all requirements for such removal. I was granted my petition and am no longer required to register and have no residency or employment restrictions. I waited until my sentence was complete and I have been removed from the registry to apply for reinstatement of my Professional Engineer License. I have maintained continuous licensure as a Professional Engineer in Virginia during the period since my license lapsed. I respectfully request reinstatement of my license.

**Select the disciplines in which you are currently practicing. If more than 1% of time is devoted to a discipline, it must be included.**

**Disciplines**

Civil, Electrical (Power), Mechanical, Fire Protection

**Other Disciplines**

**Has a jurisdiction ever revoked, suspended, or disciplined your license? (Please note this includes a consent agreement, letter of reprimand, Etc.) If the action has been resolved a yes answer is still needed.**

Yes, In July of 2014 I agree to a final order from the FEMC resulting from my inadvertent failure to report my felony conviction. The law changed and I did not realize the change although I am responsible for knowing law and rule changes. I presented my case before the FBPE in person and received an administrative fine to cover investigative costs and a two year probationary period for no further rule or law infractions which I have successfully completed.

TO BE COMPLETED BY APPLICANT

EXPERIENCE RECORD: SUMMARY AND DESCRIPTION	EXPERIENCE ALLOCATION Years In Decimals To Tenths				
	(1)	(2)	(3)	(4)	(5)
Name and Address of Employer At Time of Employment <u>Kelly Lundstrom George, Inc.</u> <u>2020 Starlight Drive</u> <u>Marietta, GA 30062</u>  Date of Employment: From <u>4/93</u> To <u>6/96</u>	Non-Engineering Employment	Engineering Experience Prior To EI Examination	Engineering Experience Subsequent To EI & Prior to PE Examination	Professional Engineering Experience Subsequent To PE Licensure	Academic Engagement
Part-Time _____ Full-Time <u>X</u>			1.8	1.5	

Applicant should make explicit statements, listing and defining design work performed, listing and defining projects for which he/she had full or partial responsibility, including statement of extent and complexity of work performed.

Performed design and project management of HVAC, plumbing & fire protection systems for commercial and institutional buildings. HVAC projects have ranged from small office spaces to central chilled water plants with built-up air apparatus. HVAC experience also includes large smoke control systems for several anchor retail stores and mall spaces. Designed HVAC for several malls around the country. Performed plumbing design including storm drainage from roofs, main toilet batteries, and alterations room steam piping. Largest plumbing design was a 280,000 sf department store in Miami, FL. This building had three levels with a toilet battery on each floor along with roof drains and an overflow roof drain system. Fire Protection head relocations for tenant fit-up to a full hydraulically designed system for the 280,000 sf department store in Miami. This store also included a fire pump system.

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TO BE COMPLETED BY APPLICANT

EXPERIENCE RECORD: SUMMARY AND DESCRIPTION	EXPERIENCE ALLOCATION Years In Decimals To Tenths				
	(1)	(2)	(3)	(4)	(5)
Name and Address of Employer At Time of Employment <u>United States Air Force</u> <u>WR-ALC/TIPE</u> <u>420 Second St., Suite 100</u> <u>Robin AFB, GA 31098</u>  Employ. Dates: From <u>4/80</u> To <u>5/80</u> Date of Employment: From <u>9/80</u> To <u>12/80</u> <u>9/81-12/81, 4/82-5/82, 9/82-12/82</u> Part-time <u>          </u> Full-time <u>x</u> <del>4/83-5/83, 9/83-12/83</del>	Non-Engineering Employment	Engineering Experience Prior To EI Examination	Engineering Experience Subsequent To EI & Prior to PE Examination	Professional Engineering Experience Subsequent To PE Licensure	Academic Engagement
		2.0			
<p>Applicant should make explicit statements, listing and defining design work performed, listing and defining projects for which he/she had full or partial responsibility, including statement of extent and complexity of work performed.</p> <p>I assisted with drafting and simple designs, but also I was responsible for more critical design. My projects included compressed air system design, structural steel design, computer raised floor system design and building HVAC renovation.</p> <p>I performed my own designs including project inspections. My projects included HVAC for a computer room, restroom ventilation and steel column design. I designed exhaust fan installations, compressed air systems and water supply systems.</p> <p>I was responsible for preparing design drawings and calculations for site modifications for equipment installations in various areas of the maintenance operations. I dealt with steam distribution systems, plant noise control and plan equipment installation and relocation design.</p>					

TO BE COMPLETED BY APPLICANT

EXPERIENCE RECORD: SUMMARY AND DESCRIPTION	EXPERIENCE ALLOCATION Years In Decimals To Tenths				
	(1)	(2)	(3)	(4)	(5)
Name and Address of Employer At Time of Employment <u>United States Air Force</u> <u>WR-ALC/TIPE</u> <u>420 Second St., Suite 100</u> <u>Robin AFB, GA 31098</u>  Employ. Dates: From <u>4/80</u> To <u>5/80</u> Date of Employment: From <u>9/80</u> To <u>12/80</u> <u>9/81-12/81, 4/82-5/82, 9/82-12/82</u> Part-time <u>          </u> Full-time <u>x</u> <del>4/83-5/83, 9/83-12/83</del>	Non-Engineering Employment	Engineering Experience Prior To EI Examination	Engineering Experience Subsequent To EI & Prior to PE Examination	Professional Engineering Experience Subsequent To PE Licensure	Academic Engagement
		2.0			
<p>Applicant should make explicit statements, listing and defining design work performed, listing and defining projects for which he/she had full or partial responsibility, including statement of extent and complexity of work performed.</p> <p>I assisted with drafting and simple designs, but also I was responsible for more critical design. My projects included compressed air system design, structural steel design, computer raised floor system design and building HVAC renovation.</p> <p>I performed my own designs including project inspections. My projects included HVAC for a computer room, restroom ventilation and steel column design. I designed exhaust fan installations, compressed air systems and water supply systems.</p> <p>I was responsible for preparing design drawings and calculations for site modifications for equipment installations in various areas of the maintenance operations. I dealt with steam distribution systems, plant noise control and plan equipment installation and relocation design.</p>					



TO BE COMPLETED BY APPLICANT

EXPERIENCE RECORD: SUMMARY AND DESCRIPTION	EXPERIENCE ALLOCATION Years In Decimals To Tenths				
	(1)	(2)	(3)	(4)	(5)
Name and Address of Employer At Time of Employment <u>United States Air Force</u> <u>WR-ALC/TIPE</u> <u>420 Second St., Suite 100</u> <u>Robin AFB, GA 31098</u>  Employ. Dates: From <u>4/80</u> To <u>5/80</u> Date of Employment: From <u>9/80</u> To <u>12/80</u> <u>9/81-12/81, 4/82-5/82, 9/82-12/82</u> Part-time _____ Full-time <u>X</u> <del>4/83-5/83, 9/83-12/83</del>	Non-Engineering Employment	Engineering Experience Prior To EI Examination	Engineering Experience Subsequent To EI & Prior to PE Examination	Professional Engineering Experience Subsequent To PE Licensure	Academic Engagement
		2.0			
<p>Applicant should make explicit statements, listing and defining design work performed, listing and defining projects for which he/she had full or partial responsibility, including statement of extent and complexity of work performed.</p> <p>I assisted with drafting and simple designs, but also I was responsible for more critical design. My projects included compressed air system design, structural steel design, computer raised floor system design and building HVAC renovation.</p> <p>I performed my own designs including project inspections. My projects included HVAC for a computer room, restroom ventilation and steel column design. I designed exhaust fan installations, compressed air systems and water supply systems.</p> <p>I was responsible for preparing design drawings and calculations for site modifications for equipment installations in various areas of the maintenance operations. I dealt with steam distribution systems, plant noise control and plan equipment installation and relocation design.</p>					

TO BE COMPLETED BY APPLICANT

EXPERIENCE RECORD: SUMMARY AND DESCRIPTION	EXPERIENCE ALLOCATION Years In Decimals To Tenths				
	(1)	(2)	(3)	(4)	(5)
Name and Address of Employer At Time of Employment <u>Seckinger Design Associates, Inc.</u> <u>295 Greenfield Circle</u> <u>Fayetteville, GA 30215</u>  Date of Employment: From <u>6/96</u> To <u>Present</u> Part-Time _____ Full-Time <u>X</u>	Non-Engineering Employment	Engineering Experience Prior To EI Examination	Engineering Experience Subsequent To EI & Prior to PE Examination	Professional Engineering Experience Subsequent To PE Licensure	Academic Engagement
				0.7	

Applicant should make explicit statements, listing and defining design work performed, listing and defining projects for which he/she had full or partial responsibility, including statement of extent and complexity of work performed.

Perform HVAC, plumbing and fire protection design of various commercial and institutional buildings. Projects to date include HVAC and plumbing for an office addition to a local grocery distributor, a stadium toilet facility, two retail restaurant spaces, and a hospital computer room air handling unit replacement project.

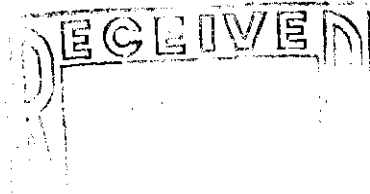
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TO BE COMPLETED BY APPLICANT

EXPERIENCE RECORD: SUMMARY AND DESCRIPTION	EXPERIENCE ALLOCATION				
	Years In Decimals To Tenths				
Name and Address of Employer At Time of Employment	(1)	(2)	(3)	(4)	(5)
<u>Charleston Naval Shipyard</u> <u>Charleston, SC</u>     	Non-Engineering Employment	Engineering Experience Prior To EI Examination	Engineering Experience Subsequent To EI & Prior to PE Examination	Professional Engineering Experience Subsequent To PE Licensure	Academic Engagement
Date of Employment: From <u>4/85</u> To <u>1/86</u>			0.8		
Part-Time _____ Full-Time <u>  x  </u>					

Applicant should make explicit statements, listing and defining design work performed, listing and defining projects for which he/she had full or partial responsibility, including statement of extent and complexity of work performed.

Performed testing of mechanical and nuclear systems on nuclear submarines undergoing overhaul in drydock. Performed isolation of various systems in order to test adjacent and interconnecting systems.



TO BE COMPLETED BY APPLICANT

EXPERIENCE RECORD: SUMMARY AND DESCRIPTION	EXPERIENCE ALLOCATION Years In Decimals To Tenths				
	(1)	(2)	(3)	(4)	(5)
Name and Address of Employer At Time of Employment	Non-Engineering Employment	Engineering Experience Prior To EI Examination	Engineering Experience Subsequent To EI & Prior to PE Examination	Professional Engineering Experience Subsequent To PE Licensure	Academic Engagement
<u>USAF</u> <u>WR-ALC/TIPE</u> <u>420 Second Street, Suite 100</u> <u>Robins AFB, GA 31098</u>					
Date of Employment: From <u>1/86</u> To <u>10/88</u>			2.8		
Part-Time _____ Full-Time <u>X</u>					

Applicant should make explicit statements, listing and defining design work performed, listing and defining projects for which he/she had full or partial responsibility, including statement of extent and complexity of work performed.

Performed equipment installation designs to modify existing and new **shop areas** for new processing equipment. Performed design of backflow prevention device retrofit for all facilities. Performed steel design, air design (compressed), plumbing design and air conditioning design to modify Bldg 140 Wing Shop for new F-15 wing repair facility. Performed industrial ventilation design for metal plating shop. Designed safety vessel for hydrostatic testing of cylinders. Performed design of concrete isolation piers for gyro test equipment. Performed review of facility construction drawings prepared by outside consultants.

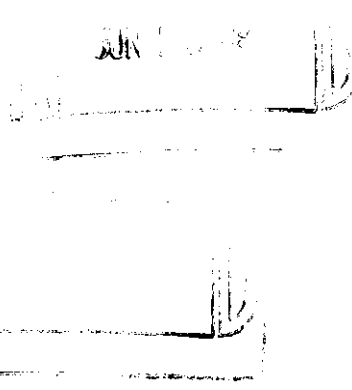
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**TO BE COMPLETED BY APPLICANT**

EXPERIENCE RECORD: SUMMARY AND DESCRIPTION	EXPERIENCE ALLOCATION Years In Decimals To Tenths				
	(1)	(2)	(3)	(4)	(5)
Name and Address of Employer At Time of Employment  <u>Nottingham, Brook &amp; Pennington, Inc.</u> <u>P.O. Box 5127</u> <u>Macon, GA 31208-4077</u>  Date of Employment: From <u>10/88</u> To <u>4/93</u>	Non-Engineering Employment	Engineering Experience Prior To EI Examination	Engineering Experience Subsequent To EI & Prior to PE Examination	Professional Engineering Experience Subsequent To PE Licensure	Academic Engagement
Part-Time _____ Full-Time <u>x</u>					

Applicant should make explicit statements, listing and defining design work performed, listing and defining projects for which he/she had full or partial responsibility, including statement of extent and complexity of work performed.

Performed HVAC designs for institutional and commercial facilities. Designs included a 600-ton chiller plant for a college library and many air-cooled chiller plants for various state facilities. Designed the HVAC for several prisons, both new and renovations; school facilities (Primary and Secondary); university classroom buildings; and vocational education facilities. I was responsible on all of the projects for system selection design and construction administration in the field. I progressed from a systems designer to the role of project manager.


  
 JUN 1 1998

17. Proposed Regulation  
Changes as by Nevada  
Legislative Counsel  
Bureau,  
LCB File# R141-20P

[not available at time board packet was published]

# 18. Status of Board and Staff Assignments

## Action List

### BOARD MEETING ITEMS

#### September 12, 2019 Board Meeting

12. Administrative report by Executive Director

b. Action items related to the 2017-2021 Strategic Plan

Mr DeSart asked that dates be posted on our website of when the Las Vegas board office is staffed. **Staff**

#### January 16, 2020 Board Meeting

18. Discussion and possible action on Nevada specific Professional Land Surveyor exam, Nevada Revised Statutes 625.280 and Nevada Administrative Code 625.310 (4).

Target date for release of reference material and practice exam June 1, 2020. Date to be determined – based on number of exams currently scheduled for the first quarter of 2021. **Staff**

#### March 30, 2021 Special Board Meeting

8. Consider updating regulations to include language about minimum standard for submittals to a public entity.

Item was referred back to PAL Committee to fully understand issues. Additional agencies have indicated they want to participate in the discussion, and we need to hear the perspective before considering any action. Will move the discussion to a task force to be created as directed by the board. **DONE**

#### May 20, 2021 Board Meeting

22. Discussion and possible action on status of Board and staff assignments.

Hard copy print run of the statute and regulation handbook include NRS/NAC 327 and 329. **Staff**

#### July 14, 2021 Board Meeting

15.b.ii. Consider eliminating Nevada specific exam for PE endorsement licensure applicants and its place institute an attestation confirming familiarity with Nevada Revised Statutes and Nevada Administrative Code Chapter 625.

Work with the legislative committee to develop an attestation confirming familiarity with Nevada Revised Statutes and Nevada Administrative Code Chapter 625 for endorsement licensure applicants. **Staff**

15.b.iii. Consider a future bill draft request to update Nevada Revised Statute 338.173 related to



certificates of eligibility.

Add action item to the LegComm Committee to draft a bill draft request to repeal NRS 338.173 related to certificates of eligibility. **Staff**

15.b.iv. Consider a future bill draft request to update Nevada Revised Statue 625.050 related to engineer in responsible charge of observation, inspection, and testing of construction.

Add action item to the LegComm Committee to draft a bill draft request to amend 625.050 related to engineer in responsible charge of observation, inspection, and testing of construction and construction materials. **Staff**

15.c. Professional Association Liaison Committee, Chair Matt Gingerich

Ms Mamola to coordinate formation and structure of the taskforce with those interested. **DONE**

16. Discussion and possible action on board committee assignments for July 1, 2021, thru June 30, 2022.

Ms Mamola to finalize the committee assignments list based on board meeting discussion and notify board members of updated assignments. **DONE**

19. Discussion and possible action on meeting dates.

Move the board meeting date from July 14, 2022, to July 21, 2022. **DONE**

## **COMMITTEE ITEMS**

### **PROFESSIONAL ASSOCIATION LIAISON COMMITTEE**

#### **September 28, 2020 Meeting**

5. Facilitated discussion between public agencies and professionals regarding quality of engineering and land surveying documents submitted to public agencies (follow-up to March 4, 2020, May 14, 2020, and July 15, 2020 PAL Committee meeting discussions).

Each participating entity and association were asked to review and discuss internally the ideas suggested and to report back at a future meeting with more refined ideas.

Entities

*Fees – incentives + disincentives*

*Workshops – hosted by public entities*

*Virtual efficiencies – doc/screen share technology + virtual meetings*

*Review staff capacity in relation to industry demand – outsourcing to bridge the gap*

*Report those who repeated submit work of poor initial quality*

Industry

*Education – by industry groups + PDH incentive options*

Board

*Communication – key messages to wider licensee group, highlight Blue Book section on submittals  
(move to Public Outreach)*

*Education – topics on engineering submittal quality, dealing with pressure from developers  
(move to Public Outreach)*

*Discipline – explore options short of disciplinary action, program of training for “remedial” action,  
rehabilitate repeat offenders  
(move to LegComm)*

### **December 8, 2020 Meeting**

5. Facilitated discussion between public agencies and professionals regarding quality of engineering and land surveying documents submitted to public agencies (follow-up to March 4, 2020, May 14, 2020, July 15, 2020, and September 28, 2020, PAL Committee meeting discussions).

Entities and associations asked for more time to consider ideas/options highlighted at the September 28, 2020 committee meeting

Topic to remain a standing agenda item for future committee meetings

### **February 9, 2021 Meeting**

5. Facilitated discussion between public agencies and professionals regarding quality of engineering and land surveying documents submitted to public agencies (follow-up to March 4, 2020, May 14, 2020, July 15, 2020, September 28, 2020, and December 8, 2020, PAL Committee meeting discussions).

Entities and associations asked for more time to consider ideas/options highlighted at the September 28, 2020, committee 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

### **May 19, 2021 Meeting**

5. Recap of September 28, 2020, PAL Committee meeting that focused on the quality of engineering and land surveying documents submitted to public agencies, please refer to September 28, 2020 approved PAL Committee meeting minutes

Consideration of working group (SEs + CEs) to consider structural limitations on CE license

Training/continuing education by professional association to address issues highlighted with lateral load design deficiencies. Share any training information (dates/times/location) with all associations.

Individual agencies to compile list of most common quality issues/mistakes made in plan submittals. Share information with all groups.

Issue of why “dry utilities” are not required on plans was raised. Consensus was they should, but hurdles in doing that were highlighted. Not an action item – just to be noted.

**Additional items:**

Ongoing review and update Electronic Submittal/Digital Signature guide based on feedback/issues from receiving entities

**ADMINISTRATIVE PROCEDURES OVERSIGHT COMMITTEE**

**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.

10. Consider strategies and tactics associated with board strategic plan goals.

Staff to propose tactics for committee consideration.

**Additional Items:**

Review board *Rules of Practice* (following regulation update)

**PUBLIC OUTREACH COMMITTEE**

**January 6, 2021 Meeting**

5. Consider and discuss tactics and action items for Public Outreach Committee related to updated Strategic Plan

Draft *Tactics* from committee discussion

Develop messaging relating to quality of plan submittals (and from PAL)

8. Consider and discuss next six to twelve months public outreach/social media efforts.

Local school districts be informed if/when the Speakers Bureau on the board website is in place to as a resource for presenters on STEM topics in local schools.

### **March 10, 2021 Meeting**

5. Discuss public communications analytics that were presented to the board at its January 14, 2021 regular board meeting.

Continue to monitor social metrics for comparison against previous campaign.

7. Consider and discuss next fiscal year public communications/social media efforts and budget needs.

In recap of campaign with Vogel seek advice on tactics – based on what has been learned from the campaign – to support the revised strategies of the board.

### **LEGISLATIVE COMMITTEE**

#### **Legislative Committee Meeting – April 16, 2020**

4. Discuss potential changes to Nevada Administrative Code chapter 625

Mr MacKenzie suggested that the relevance of previous discipline be included as a consideration in the determination of appropriate discipline in a current matter be added as a specific item for the committee to address. He said there's references in policy – the disciplinary matrix – but not currently in regulation. Mr MacKenzie said he would draft text for consideration by the committee. **Chris MacKenzie**

5. Discuss potential changes to Nevada Administrative Code chapter 329 related to perpetuation of corners

NAC 329 and NRS 327 regulations to be included in the next printed version of chapters 625, 329, and 327.  
**Staff**

#### **Legislative Committee Meeting – May 5, 2020**

4. Consider the following changes to Nevada Revised Statute 625, 327

NRS 625.175—discipline specific vs PE state (discipline specific language added in 1975, AB 604—Committee on Judiciary)--on hold until we can discuss with our NCEES counterparts at a future NCEES meeting. (see revision per LegComm meeting 6.17.2021 below)

NRS 327—Nevada Coordinate System; Geographic Names--waiting for NALS to provide proposed changes to NRS 327 and will work to include in board's bill draft request.

#### **Legislative Committee Meeting – November 4, 2020**

5. Discuss proposed NAC 625.310(4), requiring engineering applicants to pass a short exam on chapter 625 of NRS and NAC.

Short exam on chapter 625 of NRS and NAC to be updated by staff (periodically) and submitted to LegComm for approval.

Hard copy format of Chapters 625,329, and 327 to be produced and made available on request. Request section to be added to website.

9. Discuss 2-hours of ethics and 1-hour Nevada laws and rules training required to meet biennial continuing education requirements per NAC 625.430.

Adjust license renewal materials to included attestation section for compliance with revised continuing education requirements. Staff

### **Legislative Committee Meeting – June 17, 2021**

5. 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 of the issues to be addressed. This item to encompass discipline specific vs PE state discussion action item from the LegComm meeting 5.20.2020 (above). Ms Purcell and Ms Mamola

Form working group to discuss and identify possible solutions to the issues identified by position statement. Ms Purcell will lead the working group.

### **Additional items:**

Present *Strategies* identified from Strategic Plan refresh to the committee to develop *Tactics*

Update on R141-20P

From POC - Consider regulation about minimum standard for submittals to a public entity.

From PAL - Explore options short of disciplinary action, program of training for “remedial” action, rehabilitate repeat offenders relating to poor or incomplete submittals to a public entity.

Further review of NAC 625.610

- section 10 for “verifiable” requirements associated with digital signature
- section 13 for further clarity in revision of original plans prepared by another licensee

Further review of NAC 625.611

- consideration of verbiage relating to electronic submittals (format details)
- relating to completeness or minimum standard for a plan set submittal (details beyond admin requirements)

Consideration of additional affidavit requirement for license renewal—good character and dishonesty

- relating to NRS 625.183.2 (a) / NRS 625.270.2 (a) / NRS 625.410.4

### **SPECIAL SUB-COMMITTEE (PLS Standards of Practice)**

#### **February 25, 2021 Meeting**

3. Discuss regulations related to standards of practice for land surveying, refer to Addendum A for list of regulations.

Review statutes relating to PLS and identify regulatory gaps.

Mr Gingerich/Ms Mamola to connect with Mr Handrock (Washoe County Surveyor) for list common issues seen in northern Nevada submittals.

Staff to format issue list and forward to other Nevada reviewing entities for input and comment.

Next meeting to be set after statute gap analysis and feedback received on common issues.

### **SPECIAL SUB-COMMITTEE (NCEES Western Zone Interim Meeting Planning)**

#### **April 19, 2021 Meeting**

3. Discuss hosting of NCEES Western Zone Interim meeting in Nevada, May 19-21, 2022.

Possible lunch/dinner speakers

- Ms Mamola to contact Edgewood Tahoe for recommendations
- Mr Matter to forward name of Lake Tahoe/Nevada history speaker
- Ms Mamola to contact Andy Kirk (NV Cold War history) and Paul Pace (Von Schmidt Line)

### **STRATEGIC PLAN ITEMS**

**Executive Summary REVISED** – Approved November 12, 2020

Present *Strategies* identified from Strategic Plan refresh to respective committee to develop *Tactics*.

Format *Tactics* from committee discussions and draft supporting *Action Items* for implementation.

DRAFT *Annual Report* for APOC/Public Outreach committee review.

### **BUSINESS PLAN ITEMS**

Electronic submittals + digital signing of documents.

System database comprehensive upgrade.

Website effectiveness.

# 19. Future Meeting Dates



# BOARD MEETING DATES

Board meetings are typically scheduled for the second Thursday of every other month.

November 18, 2021 — Reno

January 20, 2022 — Las Vegas

March 10, 2022 — Reno

May 12, 2022 — Las Vegas

July 21, 2022 — Reno

September 15, 2022 — Las Vegas

## Future NCEES Meetings

### NCEES Western Zone Interim Meetings

May 19-21, 2022 — Stateline, Nevada

May 2023 — Houston, Texas (all four zones)

May 16-18, 2024 — Bozeman, Montana

### NCEES Annual Meetings

August 23-26, 2022 — Carlsbad, California

August 15-18, 2023 — Boston, Massachusetts

August 20-23, 2024 — Chicago, Illinois

# 20. Topics for Future Meetings

# 21. Public Comment