Chairman Christopher M. Roper, PE/SE, declaring a quorum present, called the meeting to order at 9:00 a.m. in
Conference Room 1116, Clark County Department of Building and Fire Prevention, 4701 W. Russell Road, Main
Building Entrance, Las Vegas, Nevada. Board members present were Vice Chairman Robert O. LaRiviere, PLS; Amy Y.
Cheng, PE; Bud A. Cranor, Public; Michael G. Kidd, PLS; Karen D. Purcell, PE; Kent B. Anderson, PE; and Gregory P.
DeSart, PE. Also present were Patty Mamola, PE, Executive Director; Ryan Mulvany, Compliance Officer; John Clark,
PE, Investigator; and Kay Smith, Administrative Assistant. Past Chairman Randall M. Long, PE, and Chris MacKenzie,
Board Legal Counsel arrived at 9:40 a.m. due to a delayed flight. The following persons attended as guests of the
Board:

Lee C. Farris, PE (Civil) #13691
Landwell Company, Henderson, NV
Steven W. Weber, PE (Chemical) #16969
Clark County Water Reclamation District, Las Vegas, NV

1. **Call to Order and Roll Call of Board Members**

2. **Pledge of Allegiance**

3. **Public Comment Period**

There were no public comments.

4. **Introductions and Guest Orientation**

Chairman Roper asked those present to introduce themselves.

5. **Approval of Minutes**

   **Regular Board Meeting of November 10, 2016**

The Board considered the minutes and no comments or corrections were given.

17-1 Motion was made by Vice Chairman LaRiviere, seconded by Ms. Purcell, to approve the minutes as
written. The motion passed unanimously.

Mr. Long and Mr. MacKenzie were not present during this agenda item.

6. **Financial Statements**

   a. **October 2016**

   b. **November 2016**

Ms. Smith reviewed the financial statements for both months, and she and Ms. Mamola answered questions by the
Board members.

17-2 Motion was made by Mr. Kidd, seconded by Mr. Anderson, to approve the financial statements for
both months. The motion passed unanimously.
Mr. Long and Mr. MacKenzie were not present during this agenda item.

7. Compliance Report – Compliance Officer and Board Counsel

   a. Compliance Report

      1. 20140003 – Railroad Right-of-Way Issue

      Mr. Mulvany said the civil case involving the right-of-way issue has been settled. As such, the complaint against the respondent, a Nevada licensed land surveyor, has been reviewed by a Board liaison. Mr. Mulvany said it was recommended to send the case to an advisory committee hearing, possibly in February 2017.

      2. 20160020 – Ethical Issues Related to Code of Conduct

      Mr. Mulvany said an advisory committee hearing was held with Robert O. Anderson, PE #7767, on December 14, 2016. The committee recommended offering Mr. Anderson a stipulated agreement which he has accepted. The proposed agreement will be presented to the Board for consideration at the March 9, 2017 meeting.

      3. 20160024 – Incomplete Work/Unfaithful Agent

      Mr. Mulvany said a proposed stipulated agreement was offered to Clinton G. Thiesse, PE #6159. Please refer to agenda item 9. Stipulated Agreement for Board action.

      4. 20160025 – Unlicensed Engineers and Firm Not Registered

      Mr. Mulvany said the complaint was reviewed by a Board liaison. He said an information hearing with the respondent will be held at the March 9, 2017 Board meeting.

      5. 20160026 – Incomplete/Inaccurate Report

      Mr. Mulvany said the case is still in the investigative state.

      6. 20160027 – Criminal Charges Filed

      Mr. Mulvany said an internal complaint was filed against a Nevada licensee who had criminal charges filed against him in the state. He said the respondent was found guilty. He said the case is still in the investigative stage.

      7. 20160028 – Disciplined by Another State

      Mr. Mulvany said that upon applying for license renewal in Nevada, the respondent reported disciplinary action by another state. He said a stipulated agreement will be offered to the respondent.

      8. 20160029 – Disciplined by Another State

      Mr. Mulvany said that upon applying for license renewal in Nevada, the respondent reported disciplinary action by another state. He said a letter of concern has been sent to the respondent.

      9. 20160030 Disciplined by Another State
Mr. Mulvany said that upon applying for license renewal in Nevada, the respondent reported disciplinary action by another state. He said the complaint was dismissed, but a copy of the disciplinary action has been kept in case of a future violation.

Mr. Long and Mr. MacKenzie were not present during this agenda item.

b. Probation Reports

Andrew M. Hammond, PE #21191   Jason E. Caster, PLS #19338
Larry J. Sanchez, PE #15752    Dirk Slooten, PLS #8808

There were no issues with these probationers’ reports.

Mohan B. Upasani, PE #11760

Vice Chairman LaRiviere said that Mr. Upasani needs to include the client contract amount in his probation reports. Mr. Mulvany will follow up with Mr. Upasani and advise him.

Michael Keegan, PE #8821

Mr. Mulvany said that Mr. Keegan is not required to submit probation reports yet. He explained that Mr. Keegan needs to become licensed again in Nevada before beginning his two-year probationary period and submitting reports.

Mr. Mulvany said that all probationers who have been making payments on their investigative costs and/or administrative fines are current.

Mr. Long and Mr. Maslan were not present during this agenda item.

c. Board Counsel Report

Mr. MacKenzie said he submitted the Board’s updated Rules of Practice to the Nevada Secretary of State’s office so the Board is in compliance with this requirement.

8. Stephan P. Maslan, PE #20149 – Decision and Order

Mr. MacKenzie said that Mr. Maslan has not submitted a petition for judicial review of the Board’s disciplinary action in which his Nevada license was revoked. He said that Mr. Maslan had 30 days to respond from receipt of his Decision and Order and this time period has passed.

9. Stipulated Agreement - Clinton G. Thiesse, PE #6159

Mr. MacKenzie said the complaint against Mr. Thiesse involved a construction company’s contract with Mr. Thiesse’s firm to complete a Pre-Construction Certificate and a Post-Construction FEMA Flood Certificate for a project. The original engineer completed the Pre-Construction Certificate and it was approved. The engineer then completed the Post-Construction certificate.

There were significant issues with the Post-Construction FEMA Flood Certificate and the agency who received it contacted Mr. Thiesse’s firm to have the issues resolved. The original engineer had retired so Mr. Thiesse undertook revision of the certificate. The construction company paid for the revised certificate in advance.
The complaint stated that Mr. Thiesse failed to respond to the construction company or proceed with the work despite repeated attempts over the course of several months. Upon receipt of the complaint against him, Mr. Thiesse researched the issue and found that the certificate prepared by the original engineer was not erroneous, but rather the construction company’s work did not comply with the building permit plans.

Mr. Thiesse stated that he met with the construction company to discuss his findings about the certificate and to advise that his services would be outside the original scope of work and would require additional payment. Corrections were made to the project and Mr. Thiesse indicated he would complete the certificate when payment was received.

Mr. Thiesse stated he put the certificate work on a low priority order since he believed payment was never made. He later found that the construction company had made a partial payment and may have believed it was a final payment for the certificate. Mr. Thiesse admitted he had acted in a non-professional manner. He issued an apology to the construction company and to the Board. He also voided the invoice to the construction company and completed work on the certificate.

Mr. MacKenzie said that Mr. Thiesse was offered a proposed stipulated agreement which he has accepted and signed. The agreement imposes a $500.00 administrative fine and investigative costs of $1,230.80. Mr. Thiesse will be required to submit proof of 30 professional development hours upon his next license renewal.

Mr. MacKenzie asked the Board to consider accepting the proposed stipulated agreement.

17-3 Motion was made by Mr. Cranor, seconded by Mr. DeSart, to accept the stipulated agreement as written. The motion passed unanimously.

10. Updating of Mobility Agreement Between Canada and Nevada for Licensed Professional Engineers

Kim Allen, FEC, PEng, Chief Executive Officer of Engineers Canada, and Chris Roney, FEC, PEng, President of Engineers Canada, were present at the meeting to discuss the updating of the mobility agreement.

Ms. Mamola said that Nevada and Canada have had a license mobility agreement in place for about 10 years. She said that Mr. Allen recently suggested it was time to review the agreement and possibility update it. As such she said the agreement was updated and recently sent to the Board members for review and consideration.

Mr. Roney said that Engineers Canada unites the 12 different engineering regulators across Canada. He said Engineers Canada’s activities are similar to what the National Society of Professional Engineers (NSPE), the National Council of Examiners for Engineering and Surveying (NCEES), and the Accreditation Board for Engineering and Technology (ABET) do. He said that Engineers Canada does all these things under one roof.

Mr. Roney said that Engineers Canada has a keen interest in licensing mobility for engineers within Canada and internationally. He said the organization is working towards a common application form for licensure in all the provinces. He said Canada is also striving to welcome internationally trained engineers and make their transition to work in Canada as seamless as possible while maintaining high standards.

Mr. Allen referred to a chart on an engineer’s percentage of skill and knowledge with active practice. Lines on the chart indicated formal education, entry to practice, on-the-job learning, and professional development. These were measured with the engineer’s number of years since starting engineering school.
Mr. Allen said that in discussions with Ms. Mamola and Chairman Roper it was agreed simplify things and move away from having a mobility agreement between Canada and Nevada, and instead call it a memorandum of understanding about the licensing processes of the two entities.

17-4 Motion was made by Chairman Roper, seconded by Mr. Cranor, to approve the Memorandum of Understanding with Engineers Canada.

Ms. Mamola said that Canadian applicants would be licensed in Nevada by comity. She said the applicants need to be licensed in Canada and be on one of two International Engineering Alliance registers. She said this is similar to being registered with NCEES in the United States.

Ms. Mamola said the Memorandum of Understanding will be posted on the Board’s website so that Nevada’s licensees can learn about applying for Canadian licensure.

There being no further discussion, the motion passed unanimously.

Please refer to “Addendum A” for a copy of the Memorandum of Understanding.

11. *Administrative Report – Executive Director*

   a. *Potential Agreement for Expedited Regional Comity*

Ms. Mamola said that at the Board meeting in November 2016, Chairman Roper and Ms. Purcell volunteered to serve on a task force to work with her on forming a potential regional mobility agreement with states within the NCEES western zone, more specifically with Wyoming and Idaho. Ms. Mamola said the task force has participated in a couple telephone conferences to share about each state’s licensing process.

Ms. Mamola referred to a simple comity licensing agreement that she drafted for the Board to review. She said that Wyoming and Idaho will take the agreement to their board members for review. Ms. Mamola said another conference call is scheduled for the end of March 2017 to discuss the next steps to take. She said that other western zone states will be encouraged to participate in the agreement.

Mr. Long and Mr. MacKenzie were not present during this agenda item.

   b. *Licensing Engineers in the Discipline of Architectural Engineering*

Ms. Mamola said there is an applicant for architectural engineering listed on today’s consent agenda. She said the applicant has an architectural engineering degree and has taken the architectural engineering exam. She said that about 15 years ago previous Board members determined they would not license anyone in this discipline. At that time it was agreed that these applicants would need to choose another discipline that was in their area of expertise, such as mechanical, electrical, or structural.

Ms. Mamola said the previous Board members’ decision occurred before NCEES created the architectural engineering exam. She said since there was no policy about architectural engineering licensing, the Board needed to make a decision about these applicants.

Chairman Roper said he agreed with the stance the prior Board members took. He expressed concern that architectural engineering crosses over into the disciplines of electrical, mechanical and structural engineering. He said he did not see how a person could be competent in three or more disciplines at one time.
Ms. Purcell said she has an architectural engineer on staff in her Denver office that is licensed in Colorado and Florida. She said that upon renewal of his license in those states he must indicate his area of expertise, which is electrical engineering. Ms. Purcell said she did not have a problem with this if a licensee has the applicable experience and stays in that area.

Ms. Mamola said architectural engineering is similar to the areas within civil engineering. She said a civil examinee must choose an area of focus such as transportation, water resources, construction management, structural, and environmental.

Chairman Roper said an applicant’s experience record will show the discipline he falls into, regardless of the degree and exam he has taken. He proposed focusing on experience to determine what type of licensure an applicant should have.

Mr. DeSart said the Board could potentially grant an applicant licensure in both mechanical and electrical engineering without taking an exam if he shows expertise in both areas.

17-5 Motion was made by Vice Chairman LaRiviere, seconded by Ms. Cheng, for the Board to not license persons in architectural engineering.

Mr. Long and Mr. MacKenzie joined the meeting at this time.

Ms. Purcell suggested allowing architectural engineers to apply for a license in the discipline of engineering in which they work. Chairman Roper agreed with Ms. Purcell. Ms. Mamola said that staff could request the applicant to choose the applicable disciplines. Mr. Cranor suggested the Board treat these applicants as exceptions instead of having a policy.

Vice Chairman LaRiviere agreed to amend his motion to include that an applicant’s experience will be reviewed on a case-by-case basis to determine which discipline or disciplines of engineering the applicant falls into. Ms. Cheng agreed as the second.

There being no further discussion, the motion passed unanimously.

Mr. Long abstained from voting since he had just entered the meeting room.

c. Potential Revisions to Two-Hour Nevada Professional Land Surveying Exam

Vice Chairman LaRiviere said the Administrative Procedures Oversight Committee met the previous day in Las Vegas. One of the items for discussion was revision of the outdated Nevada PLS exam and costs associated with this. He said that he and Mr. Kidd have selected five land surveyors from northern Nevada and five surveyors from southern Nevada to assist in writing new exam questions.

Mr. Kidd said that an exam consultant from the National Council of Examiners for Engineering and Surveying will give instructions on writing questions on the first day of the meeting. The group will then meet the second day without the consultant to complete the writing task. He said the group plans to meet in February or March in the Reno office.

Vice Chairman LaRiviere said the committee proposed amending the budget up to $10,000 for flights, meals, and consultant costs. He said the group will meet one other time and these expenses will be part of the proposed amount.
d. **Facilitated Strategic Planning Session Proposal from Cate Bower Communications**

Ms. Mamola referred to a proposal from Cate Bower Communications for the Board’s strategic planning session scheduled for March 28-29, 2017, in Las Vegas. She asked the Board for approval of the proposal.

Mr. DeSart said he strongly agreed with having a strategic planning session. However, he noted the proposal amount of $15,000 seemed high and questioned if it was the best value. Mr. Cranor agreed with Mr. DeSart’s comments. He said that as part of state government the Board should have more proposals to consider so the best value could be chosen.

Ms. Mamola said the objective of the planning session is for the Board to identify its goals and objectives and what issues are its priorities. She said that if the Board wished to be proactive instead of reactive to issues then having the session would be beneficial.

Vice Chairman LaRiviere noted the facilitator has conducted planning sessions for NCEES, so she is familiar with what the Board does. He said the Board could find someone else for a less, but he or she would probably not understand licensing.

Mr. Long said he has attended three strategic planning sessions and the cost for these was about the same as Ms. Bower’s proposal amount. He said he has previously advocated for a Board planning session, so he found it difficult to criticize the proposal.

Chairman Roper said he did not disagree with the concern over the proposal amount. However, he expressed concern about putting off the planning session after a decision has been made to conduct it. Vice Chairman LaRiviere agreed, adding that the timing was essential since Chairman Roper and Mr. Long will be going off the Board at the end of June 2017. Mr. Cranor said he did not see the urgency and that Chairman Roper and Mr. Long could always be invited to the session.

17-7 Motion was made by Vice Chairman LaRiviere, seconded by Ms. Purcell, to approve the proposal from Cate Bower Communications. With Mr. Cranor opposing, the motion passed.

Ms. Mamola said she will notify Ms. Bower and send out the required surveys to the Board members and licensees.

e. **Information Technology Risk Assessment Report and Possible Future Actions**

Ms. Mamola recalled that staff was tasked with obtaining risk assessment regarding information technology in both Board offices. She said that currently the state IT department has a third-party computer consultant to take care of computer and server issues. She said the service is not always that great and she discovered there are no IT security policies for the offices in place. Ms. Mamola said the server crashed a while ago and staff was without its use for a few days.

Ms. Mamola said she has been working with state IT to provide a risk assessment report, but the response has been underwhelming and more information is needed. As such, she said she contacted IQ Technologies, which some Board members have used, to submit a risk assessment report, along with a cost proposal for servicing the computers and the Reno office server, having cloud backups, determining equipment needs, etc.
Mr. Cranor asked what other boards do for their IT needs. Ms. Mamola said some boards use state IT and others go outside the state. She said the costs for the state’s services and IQ’s services will be around the same. Mr. Cranor said it would be good to get three or four boards’ input.

Vice Chairman LaRiviere said his firm uses IQ Technologies and it is very inexpensive insurance against technology risks. He said the company is very responsive and backups are done in the cloud. Mr. Long said that his firm has used IQ Technologies for four years and things have worked well.

Chairman Roper referred to one IQ proposal for $3,950 for system upgrades and changes in the Reno office, and a second proposal for $900 per month for maintenance and cloud backup services. Further discussion ensued.

17-8 Motion was made by Vice Chairman LaRiviere, seconded by Mr. Long, to approve both proposals from IQ Technologies.

Ms. Mamola said the Board could change from using IQ at any time, as long as 30 days’ notice was given, so that research can be done on what other state boards are doing. After some discussion, it was agreed to go with IQ Technologies and have the Administrative Procedures Oversight Committee review other proposals in case a change is required. As such, Vice Chairman LaRiviere amended his motion to request Ms. Mamola to research other IT options for the committee to consider. Ms. Purcell agreed as the second.

There being no further discussion, the motion passed unanimously.

f. Corporate Name Requests to Use Term “Engineer”

Elgen Engineering, LLC – The company manager states the business will be to design consumer products. He states the products will be created with engineering principles at heart, but none of the products will affect the public welfare.

The Board considered the company’s request.

17-9 Motion was made by Vice Chairman LaRiviere, seconded by Ms. Purcell, to deny the request. The motion passed unanimously.

Bastian Automation Engineering – The company director of sales states the company provides custom designed material handling equipment, automation, and machines. The business to be conducted is the sale of custom designed equipment and to provide on-site support during installation and commissioning of equipment.

Ms. Mamola said she initially denied the company’s request because it designs material handling equipment and machines. Also, she said the company website indicates it has engineers on staff who do structural, electrical, and mechanical engineering.

However, Ms. Mamola said that Governor Sandoval has made large moves to bring in other companies to diversify the economy. She said that Bastian Automation Engineering works for Tesla. She said that a company representative advised her that the Illinois office has licensed engineers who do design work for products sold in other states. If a state requires seismic engineering work to be certified or stamped by an engineer, then the company obtains a licensed engineer in that state to review the connections of the systems to buildings.

Ms. Mamola said that manufacturing has become a trend and the Board should not want to inhibit trade in the state. She said the company cannot register with the Nevada Secretary of State until the Board gives permission to use the proposed name. She said it appears the company does not intend to open an office in Nevada.
Chairman Roper said that Bastian Automation designs mezzanine systems that involve structural engineering and seismic lateral systems. He questioned whether the Board could approve the request and give the company a time frame to employ a Nevada licensed engineer that understands the local seismic conditions.

Mr. Long agreed with giving the company a time frame. Mr. Cranor said this would help with what the governor is doing and with state legislature encouraging business development. However, he said the Board would set a precedent by giving the company a time frame, and it would need to apply this to other companies in similar situations.

Ms. Mamola suggested giving Bastian Automation 90 days to get an engineer licensed. She said this would give the company enough time to have someone submit an application for review at the March 2017 Board meeting. Mr. Cranor said he agreed with this solution.

Mr. MacKenzie noted that the company checked the box “No” on the form, indicating it would not perform professional engineering in Nevada. It was agreed the company would need to submit a new form with the “Yes” box checked.

17-10 Motion was made by Chairman Roper, seconded by Ms. Purcell, that upon receipt of a new corporate name request that the Board approves Bastian Automation Engineering to use its name in Nevada, contingent upon the company having a Nevada licensed engineer within 90 days.

Mr. Long questioned what work the company could do in Nevada within the 90 days’ time frame. Ms. Mamola replied the company cannot do professional engineering work. As such, Chairman Roper amended his motion to include that until Bastian Automation has a Nevada licensed engineer it cannot offer to perform or perform engineering services in the state. Ms. Purcell agreed as the second.

There being no further discussion, the motion passed unanimously.

g. Future Meetings and Items Related to the National Council of Examiners for Engineering and Surveying (NCEES)

Ms. Mamola said that she and Vice Chairman LaRiviere plan to attend the Board Presidents’ Assembly at the beginning of February 2017. The meeting will be held in Atlanta, Georgia. She noted the Western Zone Meeting in May 2017 and the Annual Meeting in August 2017, and said NCEES will fund some of the Board members.

12. Board Committee Reports

a. Administrative Procedures Oversight Committee – Chair Bob LaRiviere

Vice Chairman LaRiviere said the committee met the previous day in Las Vegas. He said the committee discussed updating the Board’s personnel policy, and attempted to streamline it and make some corrections. He said the policy will be finished soon and submitted to the Board for review and approval at the March 2017 meeting.

b. Board Member Manual Task Force – Chair Randall Long

Mr. Long said the committee met on January 5, 2017. He said that staff will take one more look at the documents and give back comments to him and Mr. Anderson for additional review. Mr. Long said the committee would like to have the update completed and presented to the Board before his term on the Board expires at the end of June 2017.
c. **Legislative Committee** – Chairman Michael Kidd

Mr. Kidd said the 2017 legislative session will be gearing up soon. He said that Board lobbyist, Susan Fisher, has not brought any bill draft requests to his attention at this time. Chairman Roper asked the Board members to begin reviewing NRS/NAC 625 to determine any revisions or corrections and to give their comments to Ms. Mamola.

d. **Professional Association Liaison (PAL) Council** – Chair Chris Roper

Chairman Roper said the council met the previous day in Las Vegas and said several people from eight professional societies attended. Various topics were discussed but there was nothing specific to report at this time. Chairman Roper said that PAL Council meetings will be tied to the Board meetings.

**13. Meeting Convened by Chairman Roper After Lunch**

The meeting was convened after the lunch break from 12:00 p.m. to 1:00 p.m.


Mr. DeSart said that ACEC would present two different position papers to the Board. He disclosed that he was involved with preparing both papers before he was appointed to the Board.

Mr. DeSart said the first paper was one that the Clark County Building Department asked ACEC to prepare. He said the paper was related to establishing some guidelines for updates to geotechnical reports, who is in responsible charge, and what has to be covered by an update to a report.

Mr. DeSart said the second position paper was a response to a formal hearing conducted by the Board with Sajan I. Abraham, PE #19285, on September 10, 2015. He said that ACEC wished to clarify the geotechnical industry’s position on the outcome of the hearing and to provide some opinions for the Board’s consideration.

Mr. DeSart introduced David Salter, PE, chairman of the ACEC subcommittee that prepared the position papers. Others present were Michael Mamer, Michael Dunning, PhD, PE, and Jimmy Floyd, PE, from Clark County Public Works; Scott Telford, PE, from the Clark County Building Department; and Ryne Stoker, PE, from Geotek, Inc.

Mr. Salter said that ACEC wished to present a position regarding the topics discussed at the formal hearing with Mr. Abraham. He said this did not concern the actions taken by the Board concerning Mr. Abraham.

Mr. Salter said that first and foremost ACEC wished to emphasize that materials testing, including laboratory testing, is the practice of engineering as defined by NRS 625.050. He said that responsible charge of these services by an engineer is required by NRS 625 and NAC 625.

In addition, Mr. Salter said that sealing and signing of test reports and laboratory test results by a Nevada registered professional is required by NAC 625.612. He said that ACEC wished to also emphasize that materials testing encompasses both field and laboratory testing, which is the practice of engineering.

Mr. Salter said that ACEC’s position is that Mr. Abraham was not directly supervising the technicians who performed the construction materials laboratory testing, as they were not his subordinates.

Mr. Salter referred to Mr. Dunning’s testimony as contained in the minutes of the formal hearing. He said the comments may have been taken out of context, but again materials testing in the field and laboratory is considered to be engineering services.
Mr. Dunning said his comments were taken extremely out of context. He said he knows what professional engineering is supposed to be like, and it is in the Las Vegas area and in the Clark County building. Mr. Dunning said that neither he nor Clark County would ever entertain the idea of not using professional engineers.

Mr. MacKenzie recalled that the issues involved in the complaint against Mr. Abraham were not clear cut and there were some strange extenuating circumstances. He said there was a split decision by the Board members concerning action taken on the complaint against Mr. Abraham.

Ms. Mamola explained that she submitted the complaint against Mr. Abraham. She said it was questionable whether it was ethical for Mr. Abraham to offer and to provide materials testing services using a laboratory owned by a contractor. Ms. Mamola said Mr. Abraham did not meet Clark County’s specifications and should not have been allowed to do this. She said this is why she filed a complaint.

Mr. Long recalled that the formal hearing was a challenging day. He said it is not always a clear-cut process when the Board goes into a formal hearing without knowing the evidence and it must hear both sides to try to digest the issues quickly. He thanked ACEC for the position paper and said it was very well laid out. He said it was good for the industry to read the information provided.

Mr. Floyd said he wished to clarify that Clark County requires both quality assurance and quality control testing on county projects and these are taken very seriously. He said the county requires quality control companies to employ a professional engineer and to check to see what is being done.

Mr. Salter said the second position paper regarded soils reports. He explained that the building code requires that a geotechnical report needs to be updated on an annual basis. He said this allows the geotechnical engineer to visit the site and see what changes have occurred with the soil, the standards of practice, or the project itself. Mr. Salter said the engineer then provides an update letter to the geotechnical report.

Mr. Salter said that as time goes on engineers leave a firm, or a firm is no longer in business or does not provide geotechnical services to residential projects. He said that an update letter is still required, so other engineers or firms will update an old report. Mr. Salter said that Clark County wanted some input as to who would be responsible for this update. He said there was question whether it is the original geotechnical engineer of record (EOR) or the engineer that updates the report.

Mr. Salter said ACEC presented the position paper to Clark County who has agreed with it. He said the county issued an addendum to the Southern Nevada Amendments to the 2012 International Building Code. Mr. Salter said that four steps are provided that ACEC believes helps clarify who has the liability and responsibility for the update letters and the projects overall. All updates to a geotechnical report must contain the following statements:

1) The update letter must state that the site has been visited and the geotechnical report has been reviewed.

2) The update letter must state that the new geotechnical EOR is in agreement with all of the recommendations in the original geotechnical report, with any revisions to the recommendations clearly noted.

3) The update letter must state that the engineer sealing the update letter is now the EOR for the project.

4) The final grading report shall state that the engineer for grading inspections is certifying that all grading recommendations in the approved geotechnical report have been followed, that non-compliance reports are written when the grading contractor did not follow the recommendations of the approved report, or
when site conditions did not match those indicated in the approved geotechnical report. The engineer for grading inspections shall not authorize any revisions to the approved geotechnical report without written consent of the geotechnical EOR.

Mr. DeSart said the updating engineer does not need permission from the original engineer, since the report is public information, and he is not changing the original report. He said the updating engineer can choose to adopt the original recommendations and data or not. He said that in the case of a 20-year-old report, for example, the engineer can choose to update it, but may obtain a couple of borings to confirm the report.

Mr. DeSart said if an engineer adopts the original report’s recommendations then he does so at this own risk. However, he said some firms may choose to collect some of their own additional data to update a report. He said that by making it clear that the responsibility resides with the updating engineer, it is hoped this will make the engineer think twice about adopting the other data.

Mr. Telford asked the Board if the updating engineer has a responsibility to notify and obtain consent to change the previous engineer’s recommendations. Mr. Long said the Board has not had a case involving a situation where there is a problem after an update has been done to a report and there is question about where the line was drawn and whether the updating engineer received permission from the first engineer. He said the four steps outlined by Clark County add some definition and they are a step in the right direction.

Chairman Roper said that a geotechnical report is work product and he cautioned that an updating engineer should try to reach out and contact the original engineer. He said that an engineer who uses a report without contacting the original engineer to get permission may find himself in a tough position if the matter comes before the Board.

Mr. DeSart said this is a daily occurrence right now and ACEC is trying to raise the bar. He expressed concern that updating engineers have been indicating they are only doing a code update to the report and they are not taking any responsibility. He said the industry is fairly accepting of someone using another engineer’s report if he wants to take all the responsibility. He said that ACEC is looking for some level of concurrence with this concept from the Board, as it is not the same thing as changing another engineer’s plans.

Mr. Long said the only argument he had was the issue of responsible charge. He said that if an engineer reviews a report and prepares an update, then he takes responsible charge of the report. He said is there nothing in the Board’s statutes or codes that addresses geotechnical issues specific to what Mr. DeSart asked.

After further discussion, Mr. DeSart suggested that ACEC meet with the Clark County representatives to discuss today’s comments and any changes and then submit a final position paper to the Board. There was agreement with his suggestion.

15. Consent Agenda

15.1 Board Approval of Non-Appearance Applications for Comity Licensure for National Council of Examiners for Engineering & Surveying Record Holders

15.2 Board Approval of Non-Appearance Applications for Comity Licensure

The Board considered a total of 70 applications and recommendations were made. It was agreed to consider the application of David Smith, applying for architectural engineering licensure, under agenda item 17. Board Approval of Non-Appearance Applications for Comity and Non-Comity Licensure.
17-11 Motion was made by Mr. Kidd, seconded by Mr. Cranor, to approve the remaining applicants listed on the consent agenda. The motion passed unanimously.

Ms. Cheng was not present during this agenda item.

Please refer to “Appendix B” of these minutes for the names and actions taken by the Board for all non-appearance applications.

16. **Waiver Requests of NRS/NAC 625 and Special Consideration of Applications**

The Board considered the following non-appearance waiver request from an applicant seeking comity licensure.

**Waiver of Two Years Supervision Under Reference(s) in Same Discipline**

17-12 Motion was made by Mr. Anderson, seconded by Chairman Roper, to deny the waiver request by Daniel Zaccagnino, applying for civil licensure, and require him to obtain two more months of supervision. The motion passed unanimously.

The Board considered the following application for special consideration.

**C. Riziero Martinetti** – He applied for civil licensure after having passed the early environmental engineering exam in 2009. He has a B.S. degree in environmental engineering and a M.S. degree in civil and environmental engineering from the University of Nevada, Reno. Mr. Martinetti asked the Board to consider granting him civil licensure. He has a total of 11.5 years of experience.

Mr. Long reviewed Mr. Martinetti’s application. He said the applicant has very good qualifying experience and references. He noted that environmental engineering was part of civil engineering before the environmental exam and licensure became separate. As such, he recommended granting Mr. Martinetti’s request.

17-13 Motion was made by Mr. Long, seconded by Chairman Roper, to grant Mr. Martinetti’s request for civil licensure. The motion passed unanimously.

Ms. Cheng was not present during this agenda item.

Please refer to “Appendix C” of these minutes for further information about the waiver requests and special consideration of applications.

17. **Board Approval of Non-Appearance Applications for Comity and Non-Comity Licensure**

The Board considered a total of 34 applications for comity and non-comity licensure and recommendations were made.

17-14 Motion was made by Mr. Long, seconded by Mr. Kidd, to approve the recommendations. The motion passed unanimously.

18. **Board Approval of Non-Appearance Applications for Initial Licensure**

The Board considered a total of 10 applications for initial licensure and recommendations were made.
Motion was made by Vice Chairman LaRiviere, seconded by Mr. Long, to approve the recommendations. The motion passed unanimously.

Please refer to “Appendix B” of these minutes for the names and actions taken by the Board for all non-appearance applications.

19. **Status of Staff and Board Assignments**

Ms. Mamola reviewed those items completed and those still pending.

20. **Meeting Dates**

The next Board meeting is scheduled for March 9, 2017, in the Reno office. It was agreed to hold the July 20, 2017 Board meeting in Elko.

21. **Topics for Future Meetings**

There were no topics for discussion at this time.

22. **Sign Certificates of Licensure**

The Board members signed wall certificates for those persons recently licensed as professional engineers and land surveyors.

23. **Public Comment Period**

The Board guests gave their input about participating in the meeting. There were no other public comments.

**Adjournment**

There being no further business, Chairman Roper adjourned the meeting at 2:35 p.m. on Thursday, January 12, 2017.

Respectfully,

Patty Mamola, P.E.
Executive Director
MEMORANDUM OF UNDERSTANDING
TO ADVANCE THE MOBILITY OF PROFESSIONAL ENGINEERS

BETWEEN:

ENGINEERS CANADA

-AND-

THE NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS

BACKGROUND

1. Engineers Canada is the national organization of the provincial and territorial Associations/Ordre that regulate the profession of engineering in Canada (the “Canadian Regulators”). Each of the Canadian Regulators are autonomous and are responsible for licensure of Professional Engineers in their province or territory. Engineers Canada has no authority, implied or otherwise, over the Canadian Regulators. Each province/territory legislatively requires that engineers obtain licensure where they intend to provide services.

2. The Nevada State Board of Professional Engineers and Land Surveyors (the “Board”) is established under the provisions of the Nevada Revised Statutes, Chapter 625. The Board is mandated to license qualified applicants and regulate the practice of professional engineering and land surveying throughout the State. It is responsible for the administration, regulation and enforcement of the profession of engineering in the State of Nevada.

3. Engineers Canada is a signatory to the International Engineering Alliance (“IEA”) Mobility Agreements and is authorized by the Canadian Regulators to administer and maintain the Canadian sections of the IEA Registers.

4. The National Council of Examiners for Engineering and Surveying (“NCEES”) is a signatory to the IEA Mobility Agreements and is authorized by the United States engineering regulators, including the Board, to maintain the US sections of the IEA Registers.

5. Engineers Canada and the Board (hereinafter referred to individually as a “Participant” and jointly as the “Participants”) wish to formalize the terms and understanding between themselves, in an effort to engage in a cooperative approach to advancing international mobility.

PURPOSE

6. Through this Understanding, and to facilitate the accelerated licensing of Professional Engineers across the respective jurisdictions, the Participants wish to:
   a. recognize the substantial similarity of licensing standards and practices of the Canadian Regulators and the Board; and
   b. promote the value of the IEA Registers to Professional Engineers in Canada and Nevada.
MEMORANDUM OF UNDERSTANDING
TO ADVANCE THE MOBILITY OF PROFESSIONAL ENGINEERS
BETWEEN:

ENGINEERS CANADA

-AND-

THE NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS

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   a. recognize the substantial similarity of licensing standards and practices of the Canadian Regulators and the Board; and
   b. promote the value of the IEA Registers to Professional Engineers in Canada and Nevada.
DEFINITIONS

“Understanding” means this understanding entitled “Memorandum of Understanding to Advance the Mobility of Professional Engineers.”

“Engineers Canada Register” means the register maintained by Engineers Canada to fulfill its obligations under the IEA Mobility Agreements.

“Home Jurisdiction” means the jurisdiction in which a Professional Engineer is licensed.

“Host Jurisdiction” means the jurisdiction to which an engineer applies for reciprocal recognition.

“Member” means a Professional Engineer belonging to any one of the Canadian Regulators or the Board.

“Professional Engineer” is the general descriptor used to identify engineers with capabilities to undertake independent professional engineering practice, recognized by a national professional engineering body or state authority.

“IEA Mobility Agreements” means the International Professional Engineers Agreement (“IPEA”) and the Asia-Pacific Economic Cooperation (“APEC”) Engineers Agreement, to which Engineers Canada and NCEES are signatories.

“IEA Registers” means the sections of the registers under the IEA Mobility Agreements, and includes the Engineers Canada Mobility Register and the NCEES Register. Members who are listed on the IEA Registers are individuals who have been assessed in their Home Jurisdiction as a Professional Engineer eligible for independent practice and who have gained a minimum of seven (7) years’ experience since graduation and have spent at least two (2) years in responsible charge of significant engineering work. These individuals have also maintained their continuing professional development at a satisfactory level and agree to be bound by the codes of professional conduct established and enforced by their Home Jurisdiction and by any other jurisdiction within which they practice. They agree to be held individually accountable for their actions, both through requirements imposed by the licensing body in the jurisdiction in which they work, and through legal processes. Furthermore, Engineers Canada and the NCEES independently require that Members seeking registration on their section of the IEA Register agree to specific terms and conditions and meet additional standards and criteria, bringing those individuals under greater personal and professional scrutiny.

“NCEES Register” means the register maintained by the NCEES to fulfill its obligations under the IEA Mobility Agreements.

RECIPROCAL RECOGNITION

7. The Participants agree that the Canadian Regulators and the Board have processes for assessing and licensing qualified engineers that are substantially equivalent in terms of assuring the public that the Member will practice with competence and integrity.

8. Engineers Canada recognizes that engineers who are licensed in Nevada and who are listed on the NCEES Register have undergone a greater level of assessment and scrutiny than what is required by any of the Canadian Regulators alone.
9. The Board recognizes that Professional Engineers who are licensed by any of the Canadian Regulators and are listed on the Engineers Canada Register have undergone a greater level of assessment and scrutiny than what is required by the Board alone.

IMPLEMENTATION AND REVIEW

10. Engineers Canada will submit this Understanding to the Canadian Regulators and use best efforts to inform them of both (a) the Board’s substantially equivalent practices for reviewing and assessing its applicants’ and Members’ abilities to practice with competence and integrity, and (b) the added level of assessment and scrutiny that those Nevada Members on the NCEES Register have undergone, in an effort to help expedite the review of any Nevada Members seeking licensure in Canada.

11. Despite section 10, the Canadian Regulators are autonomous and have individually established systems for assessing and licensing applicants. To that end, the Board understands and accepts that some or all of the Canadian Regulators may dismiss or disregard Engineers Canada’s efforts to help expedite the review of Nevada Members seeking licensure in Canada.

12. The Board, understanding that Canadian Members on the Engineers Canada Register have undergone an additional level of assessment and scrutiny, will consider an expedited approach to licensing any such Canadian Member seeking licensure in Nevada.

13. The Participants will, every five (5) years unless otherwise mutually agreed, review and report on the status of implementation and effectiveness of this Understanding and may make any proposals necessary, in writing, for modification of the Understanding.

LICENSING, IMMIGRATION AND VISA ISSUES

14. Nothing in this Understanding is intended to preclude the need by Members to conform to applicable licensing, immigration and visa requirements of the Host Jurisdiction.

INFORMATION EXCHANGE

15. Upon reasonable request, the Participants will provide resource information, including any existing manuals, guidelines, website links and/or contact information, to assist the Board or any of the Canadian Regulators, to understand the Host Jurisdiction’s licensing or other processes.

16. The Participants will notify each other and provide copies of any major changes in policy, criteria, procedures and programs that might affect this Understanding.

DISPUTE RESOLUTION

17. The Participants will at all times endeavor to agree on the interpretation and application of this Understanding, and will make every attempt, through cooperation and consultation, to arrive at a satisfactory resolution of any matter that might affect the operation or interpretation thereof.
TERM

18. This Understanding is at-will and may be modified by mutual consent of each Participant’s authorized signatory. The Understanding shall become effective upon signature and will remain in effect unless a Participant notifies the other Participant, in writing, of its intention to terminate the Understanding, which notice shall be provided at least three (3) months prior to the date of termination.

19. Notwithstanding section 18, this Understanding will automatically terminate if the United States and Canada, represented respectively by the NCEES and Engineers Canada, ceases to be a member in good standing under the Washington Accord.

20. Termination of this Understanding will not affect rights already granted to individual Members under this Understanding.

GENERAL

21. Without exception, the Participants understand and agree that this Understanding is not intended to create any legally binding obligations, but rather, is intended to formalize the Participants’ agreement to work together to facilitate mobility and encourage discussions regarding general areas of cooperation.

EXECUTED this 12th day of January, 2017

ENGINEERS CANADA

[Signature]
Chris D. Roney, FEC, P.Eng.
President

[Signature]
Kim Allen, FEC, P.Eng.
Chief Executive Officer

NEVADA STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS

[Signature]
Christopher M. Roper, PE/SE
Board Chairman

[Signature]
Patty Mamola, PE
Executive Director
ATTACHMENT TO MEMORANDUM OF UNDERSTANDING
TO ADVANCE THE MOBILITY OF PROFESSIONAL ENGINEERS
BETWEEN ENGINEERS CANADA
-AND-
NEVADA STATE BOARD FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS

LICENSURE PRACTICES

Nevada State Board of Professional Engineers and Land Surveyors

In licensing a Professional Engineer, the Nevada State Board of Professional Engineers and Land Surveyors generally requires the following elements:

a) A degree from an Accredited Engineering Program or equivalent;
b) A minimum of four years acceptable engineering experience depending on education;
c) At least two years engineering experience under the direct supervision of a professional engineer in the same discipline;
d) Successful completion of the Nevada exam on laws related to regulating engineers;
e) Verification of suitable character and engineering competence through reference statements from at least four licensed Professional Engineers;
f) Verification of US citizenship or legal right to work in the US;
g) A passing score on the NCEES Fundamentals of Engineering exam;
h) A passing score on the NCEES Principles and Practice of Engineering examination; and
i) For structural engineering, a passing score on the NCEES Structural Engineering examination.

Engineers Canada

In licensing a Professional Engineer, Engineers Canada Member Regulators generally require the following elements:

a) A degree from an Accredited Engineering Program or equivalent;
b) A minimum of four years acceptable engineering experience of which one year must be obtained in a Canadian environment or equivalent;
c) English or French language competency as required by the Jurisdiction;
d) Successful completion of a professional practice examination;
e) Demonstration of good character; and
f) Receipt of at least three professional references regarding practice and character.

In addition, some Member Regulators have additional competency based criteria for practice in certain areas. Engineers Canada will verify these upon request.

IEA Registers

The International Engineering Alliance (IEA) maintains the

- International Professional Engineers Agreement (IPEA) Register, and
- Asia-Pacific Economic Cooperation Engineers Agreement (APEC EA) Register.

The member countries maintain a section of the register in their jurisdiction. Engineers listed on the registers may use the APEC or IntPE designations to signify that they have met the standard of
registration and are prepared to conduct engineering practices internationally. They may also experience faster registration in some international jurisdictions.

Engineers Canada and NCESS are the authorized signatory members of IEA for Canada and the USA respectively.

The IEA Registers generally require the following elements:

- a) Credentials as a Professional Engineer eligible for independent practice in their Home Jurisdiction;
- b) A minimum of seven (7) years' experience since graduation;
- c) At least two (2) years in responsible charge of significant engineering work;
- d) Continuing professional development at a satisfactory level;
- e) Agreement to be bound by the codes of professional conduct established and enforced by their Home Jurisdiction and by any other jurisdiction within which they practice;
- f) Agreement to be held individually accountable for their actions, both through requirements imposed by the licensing body in the jurisdiction in which they work, and through legal processes; and
- g) Furthermore, Engineers Canada and the NCEES independently require that Members seeking registration on their respective IEA Registers agree to standards and criteria, bringing those individuals under greater personal and professional scrutiny.

The IEA periodically audits (not longer than six years) each authorized members' process to ensure their processes determine that engineers continue to meet the established standard.
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January 12, 2017

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**NRS 625.183 (PE) NRS 625.270 (PLS) WAIVER OF 2 YRS SUPERVISION BY WRITTEN REQUEST**

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SPECIAL CONSIDERATION REQUESTS

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**PE EXAM DIFFERENT FROM LICENSE REQUESTED**