

Idaho Board of Licensure of Professional Engineers and Professional Land Surveyors

Fall/Winter 2021 - NEWS BULLETIN 66th EDITION

Board Members

John Tomkinson, Chair, Star John Elle, P.E., P.L.S., Vice Chair, Pocatello Glenn Bennett, P.L.S., Secretary, Boise George A. Murgel, P.E., Ph.D, Member, Kuna Raymond J. Watkins, P.E., Member, Coeur d' Alene Richard L. Jacobson, P.E., Member, Meridian Tom Ruby, P.L.S., Member, Twin Falls

Board Staff

Keith A. Simila, P.E., Executive Director keith.simila@ipels.idaho.gov

James L. Szatkowski, P.E., Deputy Director jim.szatkowski@ipels.idaho.gov

Tom Judge, P.L.S., Deputy Director tom.judge@ipels.idaho.gov

Jennifer Rowe, Administrative Assistant jennifer.rowe@ipels.idaho.gov

Edith Williams, Technical Records Specialist edith.williams@ipels.idaho.gov

The House of the House

Board Phone Number: (208) 373-7210

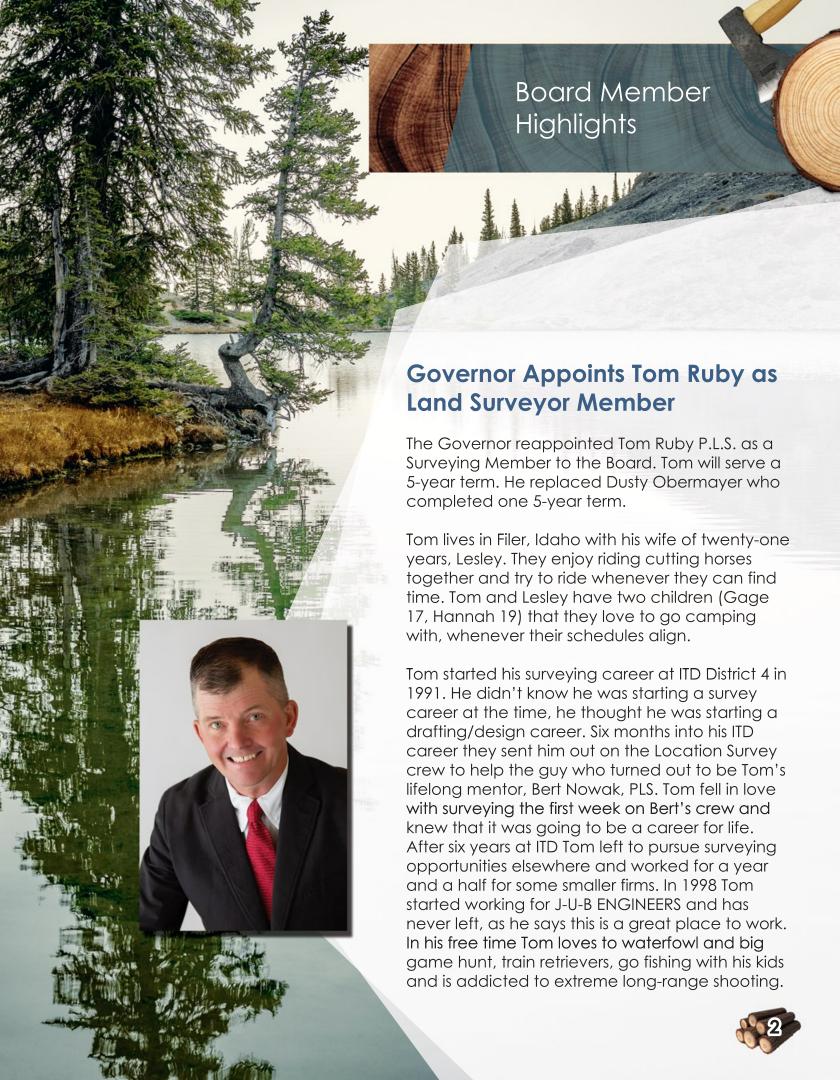
INSIDE THIS EDITION

Board Member Highlights Introduction **Board Decisions** Statute and Rule Changes Education Examinations and Licensure Enforcement Calendar of Events

INTRODUCTION

This NEWS BULLETIN is distributed a minimum of twice per year by the Idaho State Board of Licensure of Professional Engineers and Professional Land Surveyors to inform the public and the State's Professional Engineers and Professional Land Surveyors of those events which significantly affect the professions.

Board Home Page https://www.ipels.idaho.gov





Introduction

The governor signed an executive order that moved all the self-governing licensing boards into a new agency known as the Idaho Division of Occupational and Professional Licensing. Our board is transitioning to the new organization. We will have a new office near Chinden Road in Boise on the former Hewlett Packard campus. Our rules are renumbered to align with the new organization. The new law and rule book is published on the website with the new rule numbers.

One new law also went into effect on July 1, 2020. The bill contained many items mostly pertaining to land surveying matters. The significant changes relate to a new requirement for land surveyors to set a C ½ monument when breaking down a section and to set monuments at the true intersection of the lines related to off-line closing corners. Note also that renewal notices are now being sent to email addresses on record. All renewals must now be conducted online. The law change enacted requires licensees and certificate holder to be responsible for their renewals prior to expiration. While the Board office attempts to send renewal notices to email addresses, it is the responsibility of licensees and certificate holders to renew on time. Many renewal notices are rejected or returned. It is important for licensees and certificate holders to keep the email and mailing addresses up to date so they do not miss the renewal and other notices. Addresses can be updated online on our website.





Agency Guidance Documents and Precedential Orders on Website

An executive order by the governor directed all agencies to post agency guidance documents and precedential orders on the website. Guidance documents are not new laws or rules. Rather they are the Board's interpretation of the existing laws and rules, generally based on questions asked of the Board. These are compiled into three documents – professional engineering practice, professional land surveying practice and ethics and professional practice (applies to both professions). The guidance documents consist of prior Board opinions and letters. Precedential orders are prior disciplinary cases the Board considers precedential for future cases.

Highway Easements - When Records of Survey are Required

Question from a North Idaho Surveyor

The Board issued a previous opinion regarding I.C. 55-1904 and the 90-day time period relating to the filing of Record of Surveys. This Board opined that the clock begins to run at the time monuments are set and the surveyor then has ninety (90) days in which to file. Subsequent Boards have upheld this opinion.

I believe in most scenarios the 90-day opinion is appropriate and more than adequate. However, when the survey is for a large transportation project for an agency like the Idaho Transportation Department (ITD) or a local highway district, this opinion is impossible to comply with in an efficient and cost-effective manner.

Generally, in these large transportation projects where a roadway is being re-aligned or revised, there are many landowners and parcels involved in the project. With these types of projects, many parcel acquisitions may be required over several miles of roadway and the acquisition process can take a year or more to complete.



As the project progresses, the acquisition process begins. The surveyor prepares many legal descriptions as well as a comprehensive right-of-way plan set. Often, the agency requires an exhibit map to accompany the legal description. A properly written legal description should include calls to monuments, both found and set. For a variety of reasons, some parcels may take a year or more to acquire while others may be acquired within a few months. This means that from the time a deed for the first parcel is acquired and gets recorded describing monuments being set to the last deed being acquired and recorded describing monuments being set is well over 90 days.

In the past, it has been the practice to not set monuments until after construction is completed, even though this may be several years from the time of the first parcel acquisition. It would be neglectful to a licensee's primary responsibility of protecting the safety, health and welfare of the public to have not established monuments on the ground allowing a private landowner the ability to determine where their boundaries are until after construction is complete. In essence, it denies them and any subsequent landowners the right to know where their property boundary along the new right-of-way is located prior to construction.



Highway Easements - When Records of Survey are Required (Continued)

Recently, ITD has agreed with setting monuments prior to construction and relying on **Idaho Code Title 55**, **Chapter 16**, **Paragraph 13** to replace any monuments disturbed or destroyed during construction. It would be impractical, both financially and logistically, to prepare and record a Record of Survey each time a parcel is acquired when the recorded deed contains an exhibit showing much of the same information contained in a Record of Survey and a right-of-way plan set has been prepared and is available to the public for review at the local agency. It also makes more sense to have one Record of Survey filed showing all of the project and acquisitions in one document of multiple sheets.

My question is, is this an area where there should be an exception to the 90-day opinion to file a record of survey from the time the first monument is set given that there are legal descriptions with exhibit maps recorded and a detailed and comprehensive official right-of-way plan set showing most of the contents of a Record of Survey on file at the agency office?



Highway Easements - When Records of Survey are Required (Continued)

Board Response

You are correct that the board opinion has long been that a Record of Survey is required to be filed within ninety (90) days from the time the corner monuments are set as required by Idaho Code Title 55, Chapter 19. The Board understands the dilemma as presented and agrees the Primary Obligation under IDAPA 24, TITLE 32, CHAPTER 01, Paragraph 100, Subparagraph 01 of a licensee is to protect the safety, health and welfare of the public in the performance of their professional duties. On one hand, if a deed is recorded that describes monuments being set, the monuments should be set. On the other hand, the entire survey project may take more than 90 days to complete where all the acquired right-of-way can be monumented. In order to protect the public and considering the length of time involved in many of these projects, it would not be reasonable to wait until construction is complete to set the monuments on the acquired right-of-way.

Provided there are recorded deeds and legal description map exhibits with sufficient detail showing found and set monuments that describe the land being acquired and monumented, and where there are official right-of-way plans available to the public that show the land being acquired with sufficient information that would allow another professional land surveyor to identify the boundaries on the ground, and in general contain information that a Record of Survey would show, the Board's opinion is that the survey isn't complete until the last parcel acquisition deed is recorded. The 90 days to file the Record of Survey would begin from the date the final parcel acquisition deed is recorded.





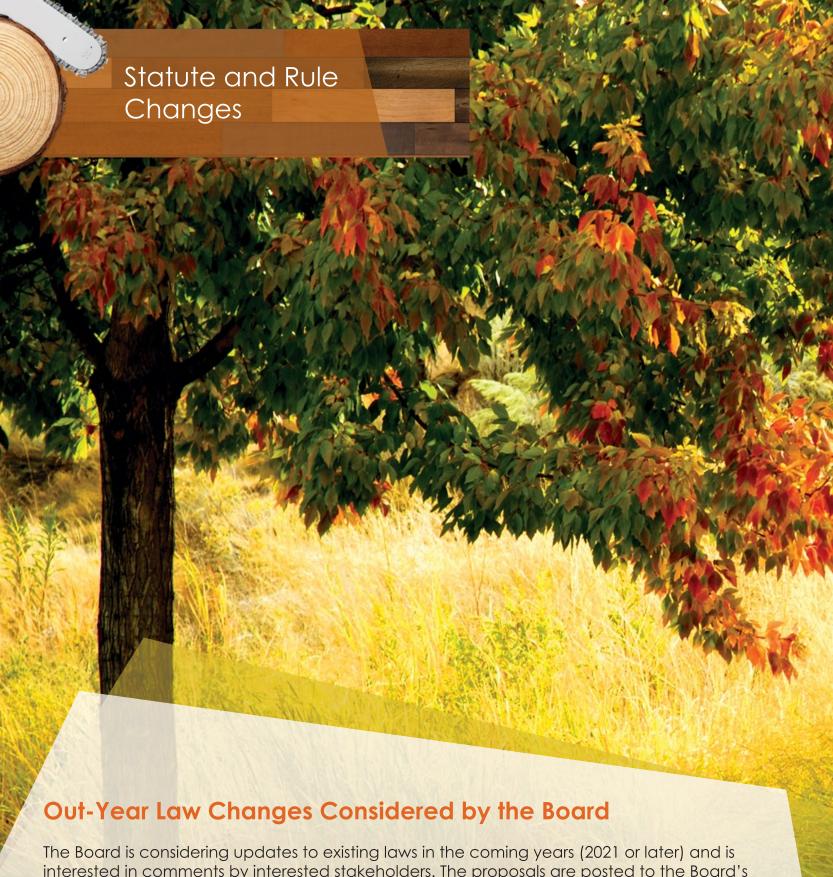
Highway Easements - When Records of Survey are Required (Continued)

The Board wants to emphasize this opinion pertains only to parcels specific to transportation type projects involving multiple parcels being acquired over time and does not apply to normal Record of Survey or platting projects involving more than one parcel. The Board also recommends that a note be placed on the legal description exhibit map and right-of-way plans stating that neither one is a Record of Survey or equivalent and that a Record of Survey of the entire project will be filed within 90 days following recording of the final parcel acquisition.

The Board is also of the opinion that monuments on these parcels should not be set until such time as the parcel is acquired. It does not serve the public to set monuments on the ground on a mile or more of roadway without those monumented positions being documented somewhere other than on a set of right-of-way plans a layperson would probably be unaware existed or how or where to view them. In other words, it is not the intent of this Board opinion to allow a licensee to set the monuments for all or most of the project at the beginning of parcel acquisition and then file a Record of Survey at some point in the distant future following the final acquisition. If the licensee is confident enough to set all the monuments at one time, then they can prepare and file a Record of Survey at that time as well.

It should be further noted that in accordance with **I.C. 55-1613**, final plans submitted for bidding and construction must show the existence and location of any monuments found or set and that prior to construction the construction surveyor is required to perform a field search and location survey locating and tying any existing monuments, whether or not a Record of Survey has been filed, and that said surveyor is required to reestablish and remonument any corners that are disturbed or destroyed by construction activities.





interested in comments by interested stakeholders. The proposals are posted to the Board's website. A summary is as follows:

1. The National Geodetic Survey is preparing new datums and a new system of state plane projections for release in 2022. The Board intends to introduce legislation governing state plane coordinates ahead of the transition for consideration by the legislature in 2021.



Statute and Rule Changes

Out-Year Law Changes Considered by the Board (Continued)

- 2. Omnibus rule adoption. All the Board's rules expired as the legislature declined to approve all rules in the State at the end of the last session. Temporary rules were issued to reinstate the rules as of March 20, 2020. The temporary rules will expire at the end of the legislative session. The Board promulgated permanent rules to replace the temporary rules. There are changes to the rules from the prior year related to continuing professional development and the definition of misconduct. A new provision will allow the Board to waive the CPD rule during times of emergency. The basic 30-hour biennial requirement statement is simplified, but remains the same. The misconduct definition includes adherence to applicable rules and laws. The pending rule will be considered by the legislature in the 2021 session for final approval.
- 3. Housekeeping law changes in 2022 and beyond
 - a. Basis of bearing definition
 - b. Monument and Intern definition
 - c. Error of closure
 - d. Disciplinary procedures practice
 - e. Mediation of disputes
- f. Seals and signatures



Education

Board Meets with the University Deans and Faculty

The Board met with the Deans of the five universities that offer engineering programs and faculty and staff for the two surveying programs in the state. Presentations addressed faculty licensure, status of enrollment, ABET accreditation and current trends facing engineering and land surveying at the university.

Idaho State University Surveying Program Offers Expanded Certificate Options for Engineers and Others Seeking Licensure as Professional Land Surveyors

All surveying courses are now offered online at ISU. This means students can obtain an education credential from ISU to advance their career as a professional land surveyor or a surveying technician online. There are two educational pathways to licensure as a professional land surveyor. One is to obtain a 4-year degree in surveying. The second is to obtain a related 4-year degree such as in engineering or another science, and then obtain thirty (30) semester credits of specific land surveying courses. ISU offers an educational credential for both options. Students with an existing 4-year degree can now obtain an Academic Certificate in Land Surveying that the Board has approved to meet the surveying educational requirements for licensure. For those seeking to advance their career as a survey technician, ISU offers a Basic Technical Certificate in Surveying. Last year, ISU received grant funding to enroll students that want to receive survey education that will work toward certification. The grant funding is known as the TRIPOD program.





Idaho State University Surveying Program Offers Expanded Certificate Options for Engineers and Others Seeking Licensure as Professional Land Surveyors (Continued)

The first year of the TRIPOD cohort started in the fall of 2019. There was a second cohort in the spring of 2020 and a third in the fall of 2020. ISU has open slots available and seeks new students in 2021. The TRIPOD program is aimed at people who are working as technicians or on an existing survey crew, but want to work toward certification as a survey technician or eventual licensure as a professional land surveyor. Individuals interested in enrolling in this program should contact Robert Liimakka at liimrobe@isu.edu.

LCSC Seeks Additional Students

Lewis Clark State College in Lewiston offers a two-year program in engineering technology, including surveying. Students can obtain both a 2-year and a 4-year degree in surveying by completing courses listed, which include courses taken online from the ISU survey program while enrolled at LCSC.

UI Offers Civil PE Review Course in Boise

Time

12 three-hour sessions on Thursdays from 5:30 - 8:30pm, running January 21, 2021 through April 15, 2021 which includes a mock exam. There will be no meeting during the Boise school district's spring break. The State Board of Licensure for Professional Engineers and Professional Land Surveyors will be holding the Civil PE exam







UI Offers Civil PE Review Course in Boise (Continued)

Location

Classes will be held at the University of Idaho Water Center, 322 E. Front St, Boise, ID 83702. Due to COVID-19, we will limit the in-person course to 15 students, but we will livestream the course to others who wish to attend online. In-person seats will be on a first come, first serve basis.

Summary

UI Boise has offered this 12-week Professional Engineering (PE) Review Course each spring for many years. It prepares engineers to take the PE Exam. We usually offer one PE track for Civil Engineering. Each three-hour session is delivered by subject experts.

Instructors

Subject experts have been selected from local industry, universities, and government.

Organizations include University of Idaho-Boise College of Engineering, Boise State University

College of Engineering, The State Board of Licensure for Professional Engineers and Professional

Land Surveyors, and Mountain Home AFB.







ENGINEERING OUTREACH



Providing quality distance education for more than 40 years

- Graduate degrees, certificates, and professional education and development
- Fast, flexible viewing schedules
- Company tuition vouchers and VA assistance accepted

VIEW COURSES AT UIDAHO.EDU/EO



Engineering Outreach allowed me the flexibility to continue working full-time while furthering my education. Informative courses could be applied directly to my line of work. Professors were also very willing to schedule time outside of their office hours to discuss difficulties with course material.

Joshua O., M.S.
 Mechanical Engineering

"U of I professors and staff are positive, helpful and supportive. Engineering Outreach deliveries are professional, high-quality and challenging! So glad I am a Vandal!"

- Marie T., M.S. Statistical Science



eo-support@uidaho.edu | 208-885-6373





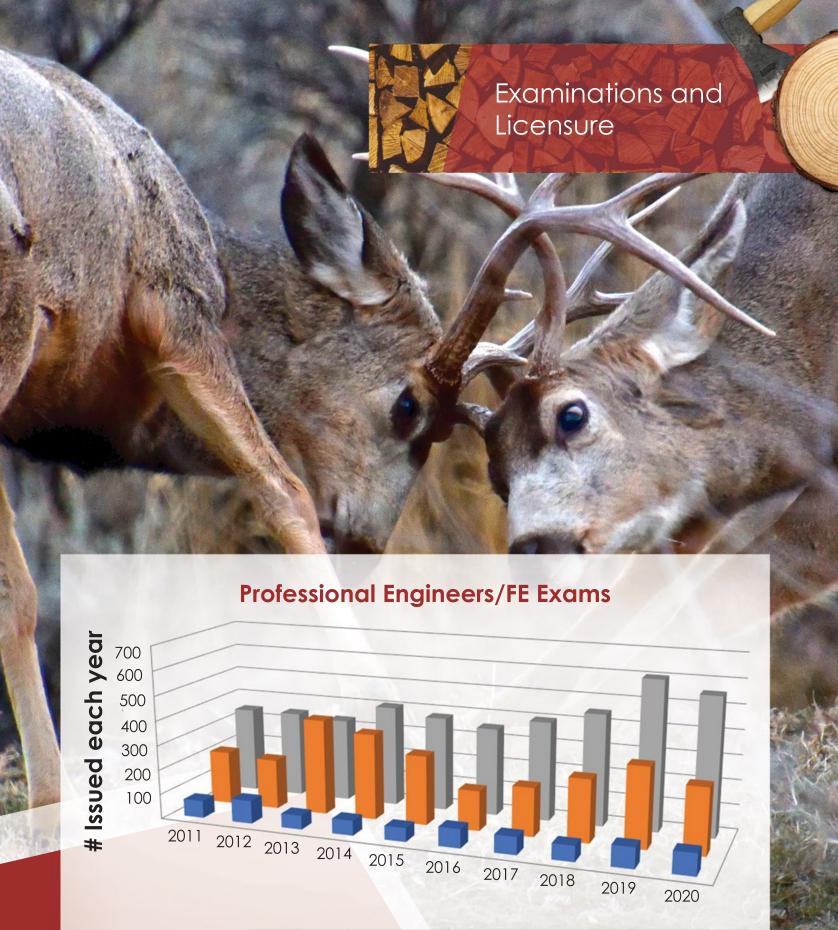
NCEES Examinations

Information on examination offered by NCEES and the examination schedule can be found on their website at

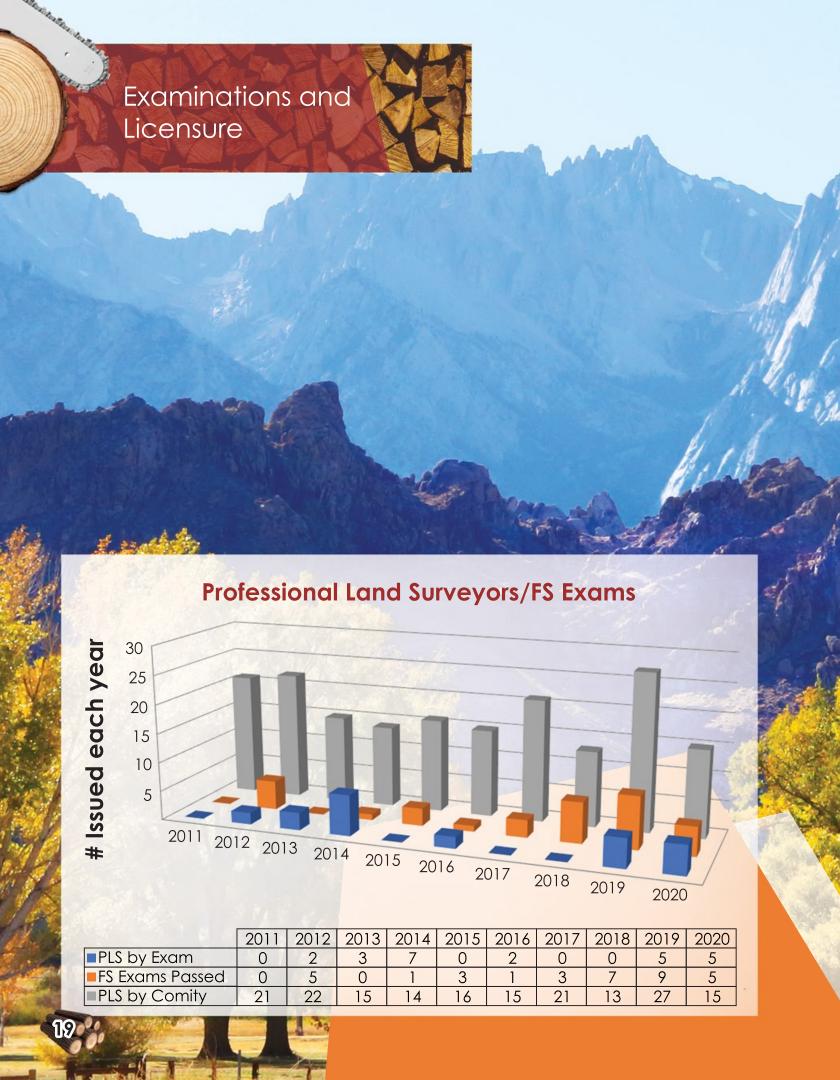
https://ncees.org/exams/schedule/.
NCEES announced that the Electrical
Engineering PE examination was migrated to a
computer-based test (CBT) beginning in
December of 2020, ahead of schedule. They
also announced that the last administration of
the paper and pencil Civil Engineering PE
examination will occur in October of 2021, and
that after that it will be converted to a CBT with
the first examinations offered in April of 2022.
Registration opens for the Civil CBT on
November 1, 2021. All CBT PE examinations are
offered at approved Pearson-Vue test centers

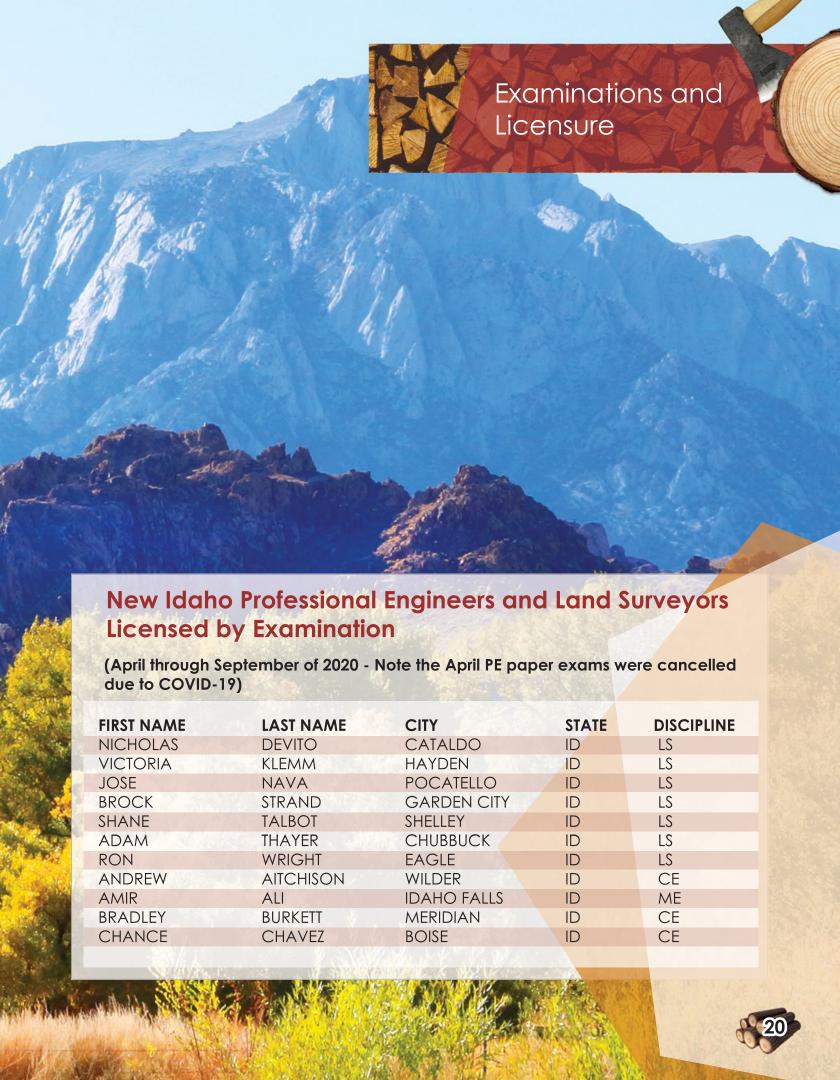
in most major cities. Boise is the only Idaho location offered. Other cities include Spokane, WA and Ogden, UT. The Chemical, Environmental, Fire Protection, Nuclear, Petroleum and Mechanical Engineering PE examinations have already migrated to CBT. The Electrical-Power CBT Exam will now be offered year around. All that is required to take a PE examination is to register with NCEES and reserve your date and time. The only restriction is that you must first pass a fundamentals examination prior to registering for a professional examination. The window for registering for the April paper and pencil PE examinations is January 27 to March 4, 2021. The opening and closing dates are late this year due to a regional PE paper and pencil examination option that is offered on January 26, 2021. The regional examination is offered due to COVID where some locations were not allowed to host the PE examination in October. The closest regional examination is Seattle, WA, but the registration closed for that examination

in December.



	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
■PE by Exam	70	93	56	60	55	76	71	63	83	87
FE Exams Passed	215	202	386	347	279	161	196	252	322	265
■PE by Comity	347	348	335	408	381	355	401	451	603	556







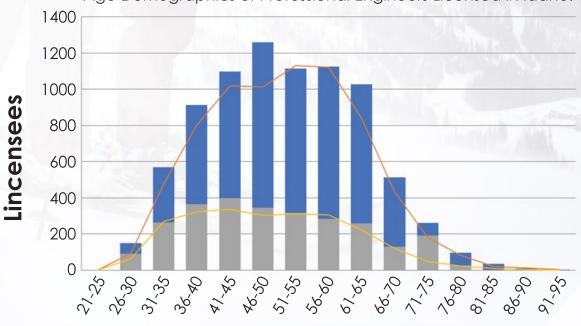


Examinations and Licensure



Idaho Professional Engineers

Age Demographics of Professional Engineers Licensed in Idaho.



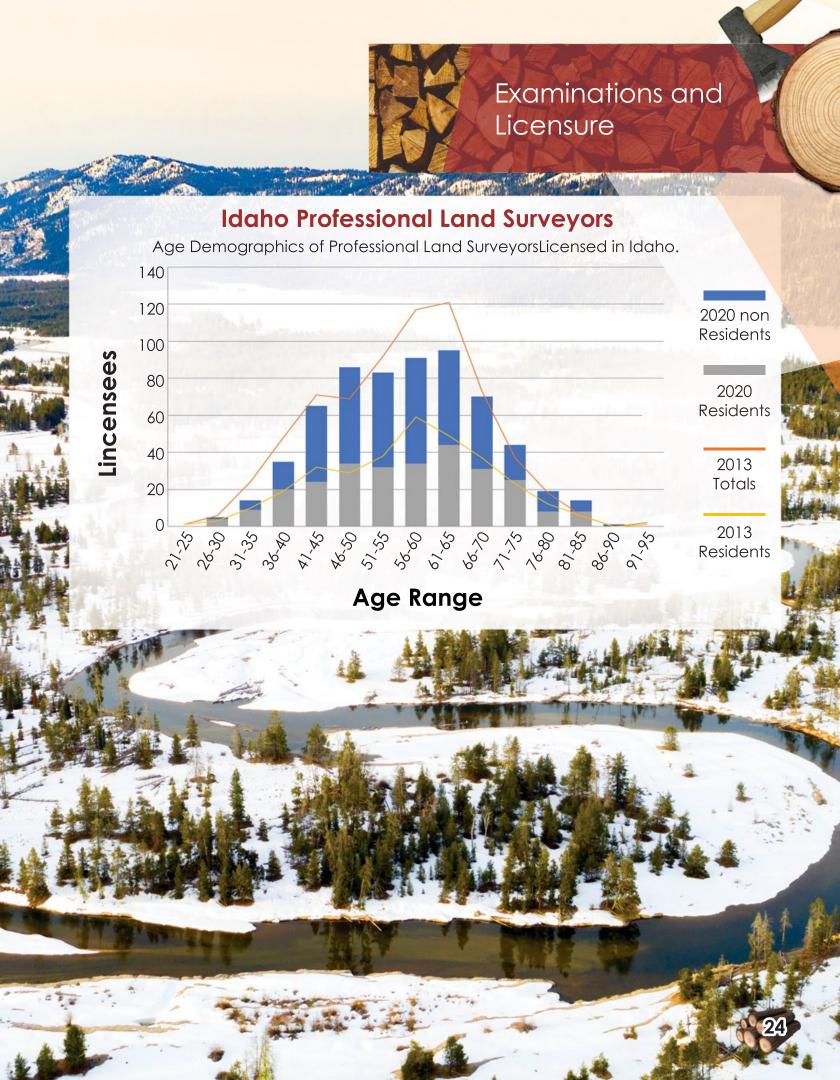
Age Range

2020 non Residents

2020 Residents

> 2013 Totals

2013 Residents





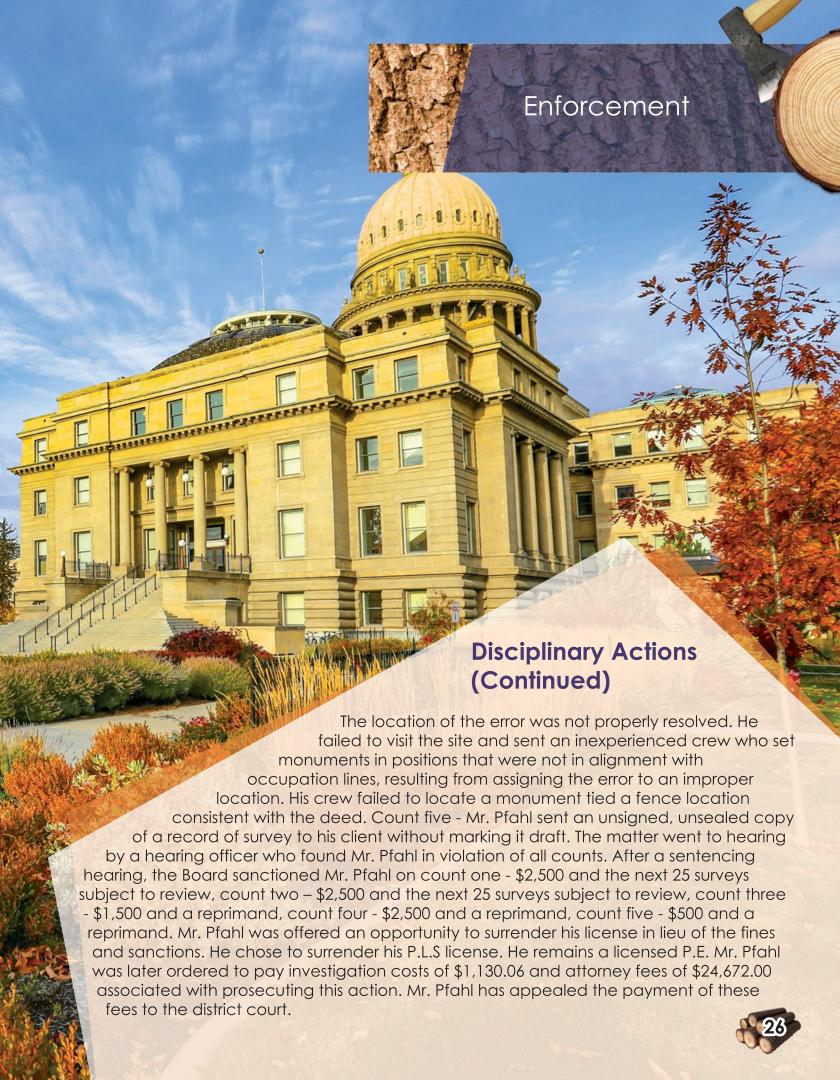
Disciplinary Actions

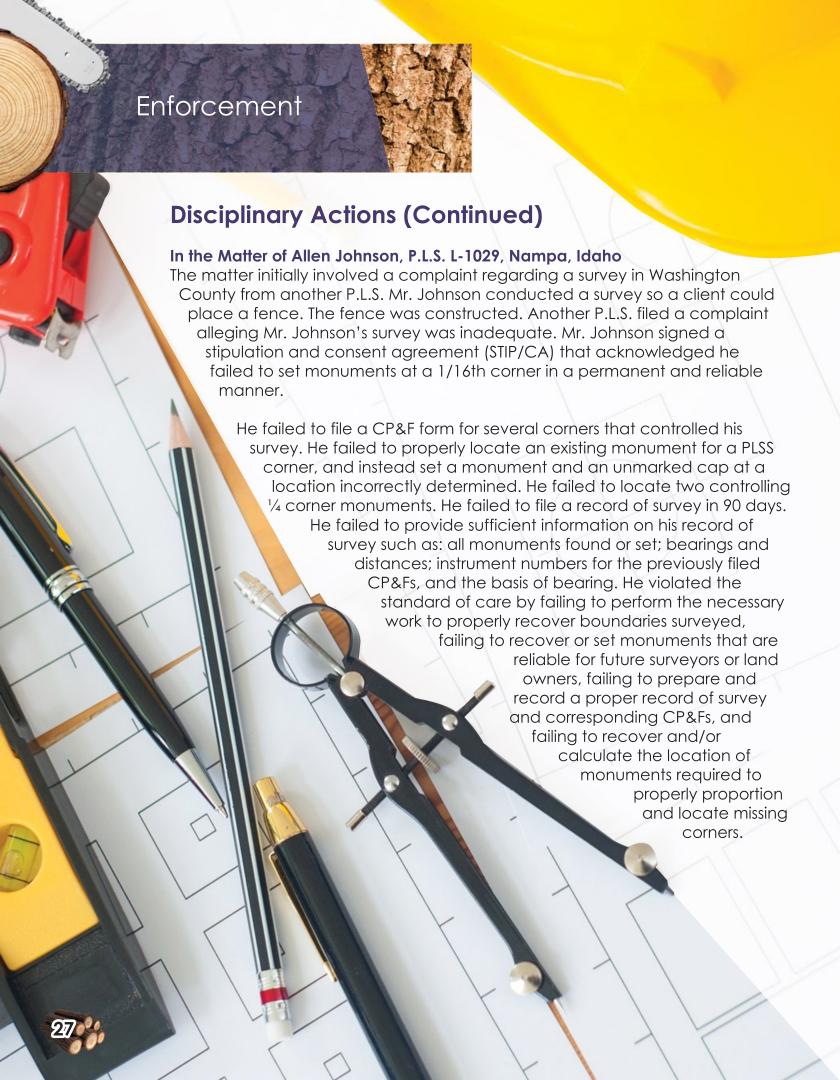
The following are summaries of final actions taken by the Board since publication of the last news bulletin.

In the Matter of J. Chris Pfahl, P.E., P.L.S. L-4488, Wallace, Idaho

The matter involved two landowner complaints for land surveying work at locations in Shoshone and Kootenai Counties. Count one - Mr. Pfahl was found to have violated **54-1227**, **Idaho Code**, in regard to either not setting monuments where required or setting non-compliant monuments (PK, MAG or other nails). He described on his records of survey "measured point, nothing found, nothing set, for corner positions the Board determined monuments must be set as they were field-located. In one case he set two monuments for the same corner about 3 feet apart. Count two he was found to have violated 55-1604. Several PLSS corners were shown on his record of survey, but he failed to remonument the missing monuments. Some of the corners were patented mining claim corners set by the GLO. One section corner was tied in multiple surveys that had been replaced by the BLM 12 years earlier and a new corner record was not filed. Count three - he was also found to have violated **55-1904**, **Idaho Code** by not filing a record of survey within 90 days. Count four - he was found to have violated the standard of care for failing to properly address a material discrepancy on a survey where the lines of occupation did not match the deed description. The deed contained an error.









Disciplinary Actions (Continued)

Mr. Johnson was fined \$1,500 and paid \$3,500 for reimbursement of costs and fees in prosecuting this action. Also, a list of pending surveys was attached to the STIP/CA and he agreed to a Board staff review and approval of those surveys prior to recording. He also agreed to permanently retire his license by December 31, 2020. He represented that the list of pending surveys were the final deliverables prior to retiring.

Prior to or just after Mr. Johnson signed the STIP/CA, but before the Board approved it, he recorded several surveys without Board staff review or corrections and took on an additional project not listed in the agreement. An enforcement hearing was conducted for Mr. Johnson to explain why his license should not be suspended as a violation of his STIP/CA. After the hearing, Mr. Johnson's license was suspended by the Board until full compliance. To obtain compliance, the Board ordered Mr. Johnson to remove the monuments he agreed to remove and to remove himself as a platting surveyor from one project as this project was not part of the STIP/CA. Mr. Johnson rescinded some previously recorded surveys just prior to the hearing.

Enforcement

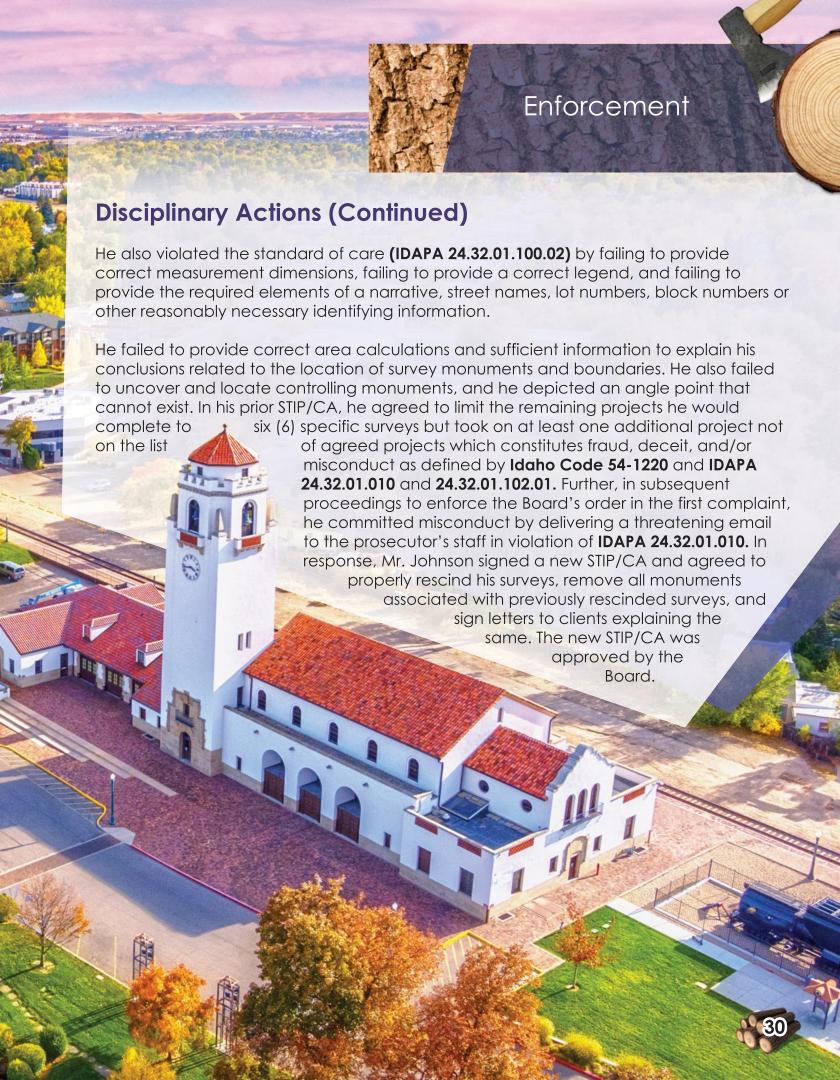
Disciplinary Actions (Continued)

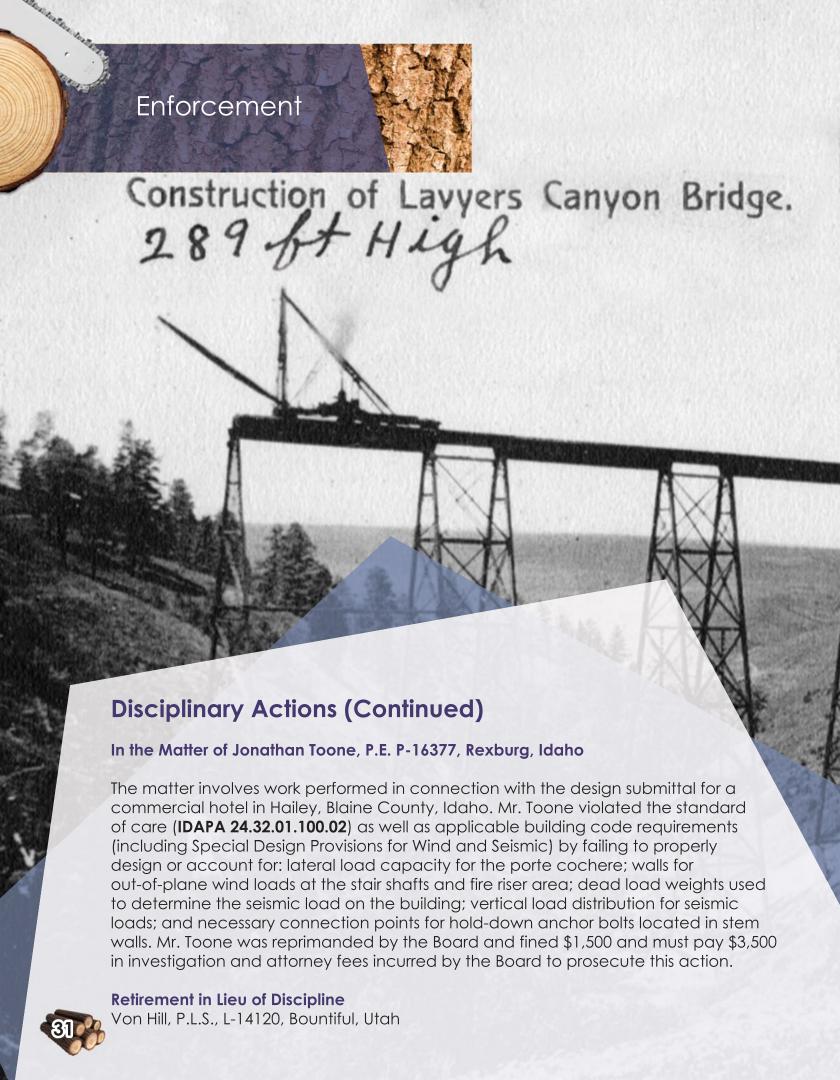
Mr. Johnson later provided evidence of compliance with the STIP/CA. The Board approved reinstatement of Mr. Johnson's license as compliance with the STIP/CA was met.

A new complaint was filed by the executive director toward Mr. Johnson in regard to deficiencies of his recorded surveys and unethical conduct. Mr. Johnson recorded a survey purportedly as a replacement for the survey that was the subject of the first complaint (although it was not designated as an amended or replacement survey) in Washington County. The complaint alleged a violation of the standard of care by failing to recover and/or set controlling monuments, and by improperly subdividing a section by failing to use the correct dimensions. He failed to notify proper parties (another PLS and affected adjoining landowners) prior to setting monuments that were in substantial disagreement (material discrepancy) with a prior record of survey in violation of IDAPA 24.3.01.100.04 and 100.06.

Mr. Johnson recorded several surveys in Canyon County without first having them reviewed and approved by the Board staff, in violation of his first STIP/CA. The new complaint alleged he failed to prepare his records of survey in compliance with 55-1604, 55-1608, and 55-1906, Idaho Code in the numerous ways set forth in the first complaint. He also engaged in deceit as described in IDAPA 24.32.01.102.01 as he reportedly found monuments that did not exist and could not be found or were not as described in his survey.









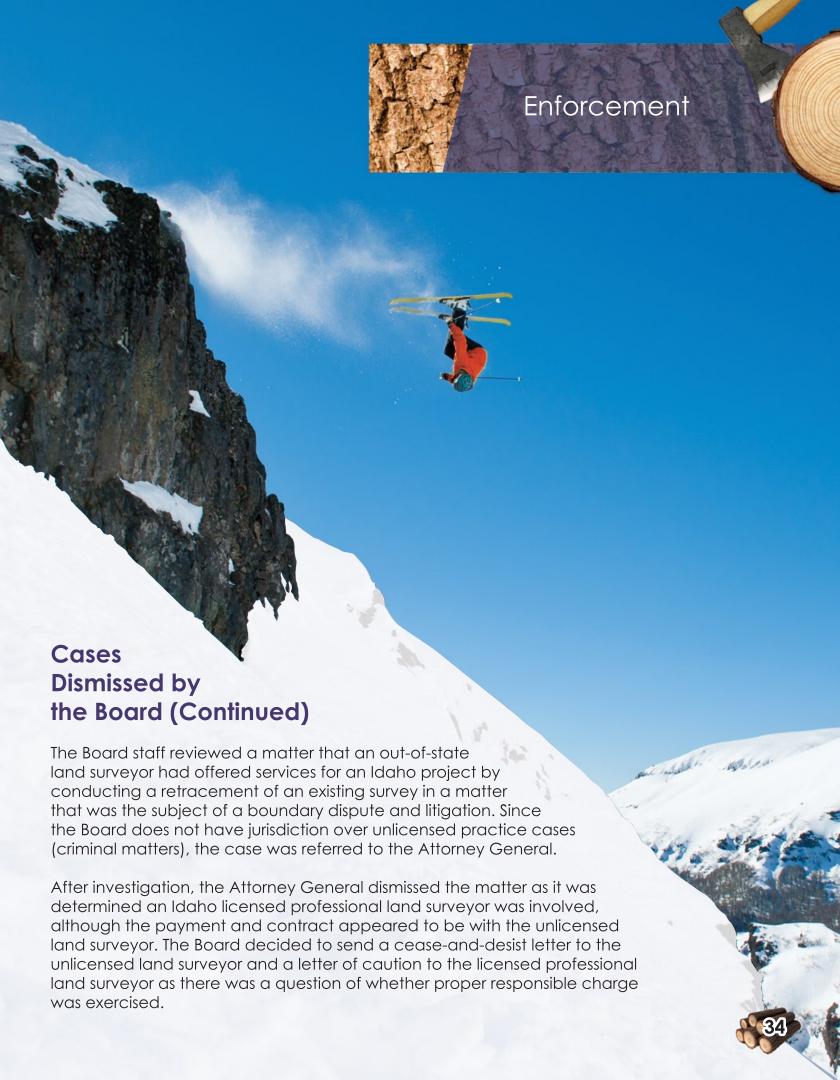
Cases Dismissed by the Board

A complaint was made toward a P.E. regarding the accuracy of record drawings and not following the procedures required of D.E.Q. and a sewer district in regard to obtaining easements. The complainant was required by the sewer district to hook up to an installed sewer line along lakefront property. The complaint alleges the sewer line was not in the location on the record drawings and proper procedures were not followed in obtaining easements. The matter was in court. Upon review, the

Board determined to dismiss the complaint as

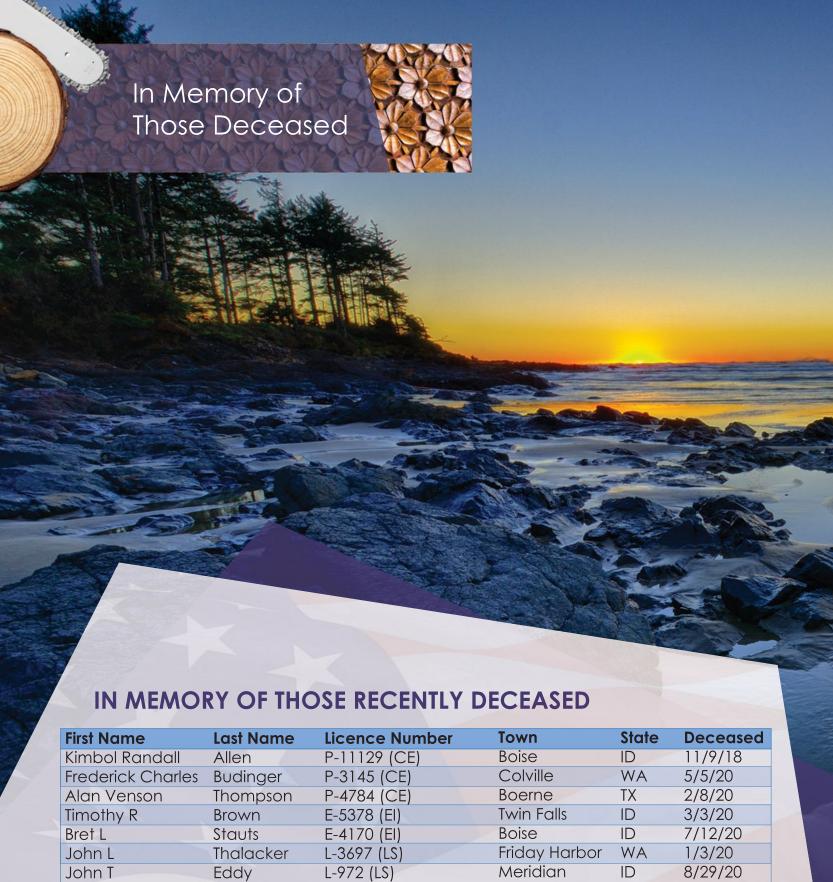


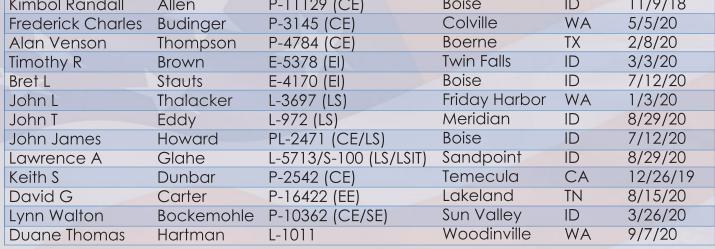
















February 4-5, 2021 March 4, 2021 April 1-2, 2021 April 16-17, 2021 June 8-9, 2021 August 2-3, 2021 August 19-21, 2021 August 27, 2021 September 9-10, 2021 October 22-23, 2021 November 15-16, 2021 Board Meeting in Meridian, Idaho
Deadline for Registering with NCEES for April PE Exams
Board Meeting in Meridian, Idaho
PE Examinations in Boise, Idaho
Board & ISPE Meeting in Boise, Idaho
Board Retreat in Riggins, Idaho
NCEES Annual Meeting in New Orleans, LA
Deadline for Registering with NCEES for October PE Exams
Board Meeting in Meridian, Idaho
PE Examinations in Boise, Idaho
Board Meeting with University Deans in Meridian, Idaho

Board Staff

Keith Simila, PE Executive Director keith.simila@ipels.idaho.gov

James L. Szatkowski, PE Deputy Director jim.szatkowski@ipels.idaho.gov

Tom Judge, PLS Deputy Director tom.judge@ipels.idaho.gov

Jennifer Rowe, Administrative Assistant jennifer.rowe@ipels.idaho.gov

Edith Williams, Technical Records Specialist edith.williams@ipels.idaho.gov

Office Phone (208) 373-7210