Agency: University of Alaska

Project Title: **Project Type:** New Construction and Land Acquisition

UAF Engineering Building Construction and Renovation

State Funding Requested: $94,600,000 **House District:** Fairbanks Areawide (7-11)
One-Time Need

Brief Project Description:

UAF Engineering Facilities completion funding

Funding Plan:

Total Project Cost:	$108,500,000
Funding Already Secured:	($4,000,000)
FY2013 State Funding Request:	($94,600,000)
Project Deficit:	$9,900,000

Funding Details:

FY11 Capital Budget $4 million for planning and design; UAF plans to bond for the $9.9 million deficit

Detailed Project Description and Justification:

The UAF engineering project includes a mix of new construction and renovation of existing space. UAF intends to bond for additional space using revenue from research grants. UAF provides graduate education and research in engineering and engineering-related fields to meet Alaska's needs. This project is primarily focused on the expansion of undergraduate degree production.

In August 2010, the University of Alaska contracted for a comprehensive review of the engineering student population, graduation characteristics and space requirements for the degree programs currently offered by the University of Alaska. The final program document, outlining key recommendations, was completed in the spring of 2011 and adopted by the Board of Regents and forms the basis for this request.

Alaska faces a shortage of qualified engineers. To respond to the state's need, the University of Alaska Board of Regents set a priority to more than double the annual number of baccalaureate graduates to 200 by FY14.
- The Alaska Department of Labor's current projections through 2018 indicate a minimum of 50 new licensed engineering jobs will be available each year, plus another 70 openings from annual turnover and retirement.
- Many engineers working in Alaska are non-residents - up to 35 percent in some disciplines. These employees lack education and experience in Arctic engineering principles.
- Employers prefer to hire UA graduates, as they are more likely to remain in Alaska. Graduates from both UAA and UAF are essential. Turnover rates with Alaska graduates are lower and therefore less wasteful of employer's dollars.

UAF's facilities are cramped and out-of-date. Instructional and specialized lab space must be expanded and improved to meet the needs of today's engineering student. UAF's engineering building was constructed in 1964. The facilities do not have the special purpose lab space nor the larger classrooms required for the modern engineering curricula.

UA envisions construction of engineering facilities that will allow their engineering programs to provide space adequate to

For use by Co-chair Staff Only:

$46,300,000
Approved

3:17 PM 5/2/2012

Contact Name: Matthew Moser
Contact Number: 907-465-1887

educate students to meet the 2007 Board of Regents approved Engineering Initiative.

Project Timeline:

Project Timeline
- Limited Formal Project Approval June 2010
- Program and Concept Designs for each MAU Underway
- Formal Project Approval September 2011
- Schematic Design Approval Fall 2012
- Construction Starts Spring 2013
- Construction Completed Spring 2015

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

University of Alaska Fairbanks

Grant Recipient Contact Information:

Name:	Kit Duke, University of Alaska Statewide
Title:	Chief Facilities Officer
Address:	1815 Bragaw St. Suite 208G
	Anchorage, Alaska 99508
Phone Number:	(907)786-7781
Email:	kduke1@alaska.edu

Has this project been through a public review process at the local level and is it a community priority? [X] Yes [ ] No

For use by Co-chair Staff Only:

Contact Name: Matthew Moser
Contact Number: 907-465-1887

3:17 PM 5/2/2012

February 27, 2012

Senator Johnny Ellis
Alaska State Legislature
Alaska State Capitol Building
Juneau, Alaska 99801

Dear Senator Ellis:

As Chair of the University of Alaska Fairbanks College of Engineering and Mines – Advisory and Development Council, I am writing to express our full support for sustaining and enhancing the Engineering programs of the University of Alaska.

With this letter, we urge you to support the continuation of funding to design and construct the necessary engineering facilities at both campuses, UAA and UAF. As members of industry we recognize that:

- *Engineering graduates are in high demand in this state, and the need exceeds the demand.*
- *While we have fine programs, our current facilities are lacking in space, equipment and technology to provide state-of-the art instruction required by our students.*
- *Alaska faces a shortage of qualified engineers. To respond to the state's need, the University of Alaska Board of Regents set a priority to more than double the annual number of baccalaureate graduates to 200 by FY14.*
- *The Alaska Department of Labor's current projections through 2018 indicate an average of 50 new engineering jobs will be available each year, plus another 70 openings from annual turnover and retirement.*
- *As employers, we prefer to hire UA graduates, as they are more likely continue with careers in Alaska.*

Also, I personally, as an engineering professional in Alaska for the past 27 years, fully appreciate the important mission of the University of Alaska to provide career opportunities for Alaska students while contributing towards a vibrant economy.

On behalf of the UAF CEM Advisory & Development Council, your consideration and support is much appreciated.

Sincerely,

Gordon Pospisil
UAF CEM ADC Chair

3001 McCollie Avenue,
Anchorage, Alaska 99517

ACEC

AMERICAN COUNCIL OF ENGINEERING COMPANIES
of Alaska

February 26, 2012 Submitted via Email

Senator Johnny Ellis
Alaska State Legislature
Alaska State Capitol Building, Room 119
Juneau, Alaska 99801

Dear Senator Ellis:

The purpose of this letter is to urge you to support the continuation of funding to design and construct the necessary engineering facilities at UAA and UAF now. *The American Council of Engineering Companies Alaska Chapter supports the expansion of UA engineering facilities* for a number of reasons:

- *Engineering graduates are in high demand in this state, and the need exceeds the demand.*
- *Alaska faces a shortage of qualified engineers. To respond to the state's need, the University of Alaska Board of Regents set a priority to more than double the annual number of baccalaureate graduates to 200 by FY14.*
- *The Alaska Department of Labor's current projections through 2018 indicate an average of 50 new engineering jobs will be available each year, plus another 70 openings from annual turnover and retirement.*
- *Many engineers working in Alaska are non-residents - up to 35 percent in some disciplines. These employees lack education and experience in Arctic engineering principles.*
- *We recognize that graduates from Alaska and UA are more likely to remain in Alaska. Graduates from both UAA and UAF are essential.*

Thank you for your consideration of this request. It is important to me, our organization, our industry, and the state of Alaska.

Sincerely,
American Council of Engineering Companies of Alaska

Jeff Baker, P.E.,
President ACEC of Alaska

From: Wilbur, Jack [mailto:jack@designalaska.com]
Sent: Wednesday, April 06, 2011 7:41 AM
To: Sen. Joe Thomas; Sen. Joe Paskvan
Cc: Sen. Johnny Ellis; Douglas J. Goering; Miller, Chris; Putnam, Jeff
Subject: SB 107 - UA Engineering Buildings

Gentlemen,

I am writing you in support of SB 107, introduced by Senator Johnny Ellis, an act making a special appropriation from the general fund to the University of Alaska for construction of new engineering buildings at UAF and UAA. Last year the legislature wisely allocated $8,000,000 for the planning and design of these facilities. UAF desperately needs expanded facilities so that the UAF College of Engineering and Mines (UAF CEM) can continue to grow and meet the ever expanding need for engineers in the State of Alaska.

Why is this so important to me? Because I am President of Design Alaska, an architectural/engineering/surveying firm of 70 employees located in Fairbanks, and we depend heavily on UAF CEM to provide us with engineering graduates. The ready availability of engineering graduates to feed our growing firm has been instrumental to our success. Our continued growth and success is dependent on UAF's ability to continue to satisfy our annual need for new engineers and to provide our existing engineers with opportunities for continuing education. I offer the following to illustrate my point:

- 18 Design Alaska engineers are UAF graduates.
- 9 Design Alaska employees are currently seeking UAF under graduate engineering degrees.
- 2 Design Alaska engineers are currently seeking UAF graduate degrees.

Please follow Senator Ellis's lead and support SB 107.

Sincerely,
Jack Wilbur

Jack Wilbur, PE
President | **Design Alaska Inc.** | **907-452-1241**

Community Support Needed to Expand UA Capabilities

By Richard Reich, P.E.. Chair - UAA, School of Engineering Advisory Board &
Gordon Pospisil, Chair - UAF, College of Engineering & Mines Advisory & Development Council

The opportunity is upon us to assist the University of Alaska (UA) in advancing its capability to expand engineering programs statewide to meet the critical needs for engineers and engineering-related professions in our state. Many of us who are involved with resource and project development and/or infrastructure maintenance in Alaska have struggled in recruiting professionals such as engineers, surveyors, technicians and managers. The Advisory Boards that serve the University of Alaska Anchorage, School of Engineering (UAA SOE) and University of Alaska Fairbanks, College of Engineering and Mines (UAF CEM) clearly recognize the need to expand facilities to meet the demands of our state and the professional industry.

Fortunately, the state legislature has authorized funding for the design of engineering facilities at both UAA and UAF campuses. While this is a significant step forward, the effort to secure funding for the construction of these facilities at both campuses will require a strong, cohesive message from our industry across the State. A key concern is that the University is not meeting our current demand and will not meet the future demands for engineering and engineering-related graduates without significant infrastructure development at both the UAA and UAF campuses. A related concern is that our graduating high school seniors should have good quality choices to pursue engineering professional education through the University of Alaska.

In 2007, the UA Board of Regents approved an Engineering Initiative that targets the graduation of a minimum of 200 engineering students per year by 2014. Given the historic output of graduates from both UAA and UAF since 2004, the combined graduation rate is increasing but it is clear that graduates from both campuses need to increase in order to meet the Engineering Initiative. While programs size is increasing, a recently completed third party assessment shows that the programs are limited by the available space at each campus. Therefore, it is imperative that industry voice its support to funding construction at both campuses so that the UAA/UAF engineering programs do not become a political hot potato, setting one campus against the other, where in the end nobody wins.

> *...the effort to secure funding for the construction of these facilities at both campuses will require a strong, cohesive message from our industry across the state.*

We are stating the obvious by saying that Alaska is a resource development state and engineers and engineering-related technicians are crucial to the overall economic development of the state. Many of our colleagues are employed in the both the public and private sectors and are working in key positions on new project development or maintenance of existing projects or infrastructure. Many in our communities recognize the important role of engineering professionals in our state and there is generally support for expanding engineering capabilities at both UAA and UAF. What is needed is a clear, aligned message from our industry.

Clearly, engineers are in high demand, not only in Alaska, but nationwide. Fortunately, the quality of engineers graduating from both UAA and UAF are exceptional because they are knowledgeable of the unique Arctic environment in Alaska and associated design challenges, are aware of logistical and seasonal transportation and construction constraints, as well as the political and social issues within our state. The University of Alaska has an excellent track record for supplying high quality engineering graduates to Alaska oil and gas, mining, and other industries. The challenge is to sustain and expand this capability for local education and local hire.

In summary, now is the time to actively express support to expand and enhance engineering education and careers through the University of Alaska. New engineering facilities are clearly justified as recommended by objective assessments of UA capabilities and industry needs. Please take an active role in supporting the University of Alaska engineering programs during the upcoming legislative session. ❖

Senior Electrical Engineer

Dallis Joins WHPacific

Anchorage, Alaska—July 12, 2011—Park Dallis, PE has joined WHPacific as Senior Electrical Engineer. Based in WHPacific's Anchorage office, Dallis brings more than 38 years of engineering experience in electrical engineering, project management and construction. His areas of specialization include commercial and industrial power and lighting design, fire alarm, telecommunications, data, and other low-voltage systems, energy efficiency and cost effective solutions to design challenges.

Owned by NANA Development Corporation, WHPacific is an architectural and engineering consulting firm with 14 offices in seven states, including five offices in Alaska. ❖

March 9, 2011

Senator Kevin Meyer
State Capitol Room 103
Juneau, AK 99801

RE: Support for UAA and UAF Engineering Facilities Construction Funding

Honorable Senator Meyer,

I am writing you today to request your support in meeting the critical needs for engineering related professionals in Alaska. As you may be aware, there is a tremendous demand for engineering professionals not only in our state, but nationwide. As a resource development state, Alaska must recognize the vital role that engineers, architects, surveyors and construction managers play in the development of our state. With many high profile Alaska projects planned for the future, combined with the critical need to address vital infrastructure upgrades throughout the state, the demands on our professional industry are so great that we must often look outside of the state to find professional and technical resources needed to perform the work.

I am proud to state that I am a lifelong Alaskan, having been born, raised and educated in Alaska. I earned my civil engineering degree from UAF and my MBA degree from UAA, and I have been working on engineering projects in Alaska for well over 30 years. As I advanced in my engineering and management career, I recognized the value that graduates from either UAF or UAA engineering programs had over other out-of-state graduates. Many of the projects that I have been involved with are rural in nature since I am Inupiaq from Barrow, Alaska and I have worked for Alaska Native Corporations or the North Slope Borough throughout my career. Graduates from either UAF or UAA have a fundamental understanding of the challenges of working in a rural community, whether it has to do with awareness of Alaska Native cultures, environmental extremes, permafrost or logistical challenges in construction.

Unfortunately, the University of Alaska (UA) is not meeting the current or projected needs of our engineering industry. A recent study was commissioned by the UA to look at the overall UA engineering program and it made the recommendation that both the UAA and UAF engineering programs require additional facilities to meet the demands of industry. I have heard that a Bill may be introduced soon for supporting the construction of engineering facilities at both UAA and UAF. I strongly support this effort and as one of your constituents, I would request your assistance by co-sponsoring this proposed Bill and supporting it too.

Respectfully,

Richard S. Reich, P.E.
8310 Barnett Drive
Anchorage, AK 99518
Email: Richard.Reich@UICUMIAQ.com
Phone: (907) 273-1808

January 22, 2012

The Office of Senator Johnny Ellis
State Capitol Building, 119
Juneau, AK 99801

Dear Senator Ellis:

I have been in Alaska for four years and in telecommunications engineering for almost 25 years. I received my bachelors in engineering from Texas A&M University.
My entire time in Alaska I have been employed by Alaska Communications, leading various technical organizations – Engineering, Field Operations, Information Technology. One of our biggest challenges is finding educated, qualified engineers and technologists in Alaska. Today a very high percentage of our new hires are coming from Outside, increasing our costs and giving great employment opportunities to non-residents.
The purpose of this letter is to urge you to support the continuation of funding to design and construct the necessary engineering facilities at UAA and UAF now. This is important for a number of reasons:

- *Engineering graduates are in high demand in this state, and the need exceeds the demand.*
- *Key programs such as telecommunications engineering and Information Technology four year programs are not in place and infrastructure does not currently exist to implement these programs.*
- *Current facilities are lacking in space, equipment and technology to provide state-of-the art instruction required by our students.*
- *Alaska faces a shortage of qualified engineers. To respond to the state's need, the University of Alaska Board of Regents set a priority to more than double the annual number of baccalaureate graduates to 200 by FY14.*
- *The Alaska Department of Labor's current projections through 2018 indicate an average of 50 new engineering jobs will be available each year, plus another 70 openings from annual turnover and retirement.*
- *We prefer to hire UA graduates, as they are more likely to remain in Alaska and are already familiar with Alaska, its culture, its opportunities and its challenges. Graduates from both UAA and UAF are essential.*

Thank you for your consideration of this request. It is important to me, our company, our industry and the state of Alaska.

Sincerely,

Michael Todd
Senior Vice President, Engineering and Operations
Alaska Communications

Senator Ellis ---

This is to express my support for improvements in Engineering programs and facilities at UAF/UAA.

I take great satisfaction in my involvement in the development of Alaska infrastructure and economy as a Civil Engineer for Alyeska Pipeline Service Co, and now at BP Exploration Alaska. I was fortunate to participate in the design, construction and operation of TAPS, delivering over 16 billion bbls of crude oil to the lower 48. As you well know, the oil industry has contributed up to 85% of the states economy for 35 years now and has built a 40 bb$ permanent fund legacy for the future.

And while the oil industry is waning now, Alaska is a resource rich state. There are many other opportunities waiting to be developed. Opportunities like TAPS that will power the economy in the future. Alaska needs its best and brightest young people to take on the challenge of engineering and build that future. I can think of no better investment than to provide the very best engineering schools possible right here in Alaska.

I have a long and close association with both UAA and UAF. I have 3 engineering degrees (two of which I received outside and the third I received at UAA). I lived in Fairbanks 10 years and served on the UAF Engineering Management advisory committee. I am past president of the American Society of Civil Engineers, Alaska Section. I personally know many UAA/UAF faculty. My daughter graduated in Mechanical Engineering at UAF.

I know from personal experience that the very best engineers are those who are committed to Alaska. The greatest commitment comes from those students who live here and have graduated from a UA school of Engineering. The best professors are those who have lived and learned the problems and secrets of this unique place. Alaska students provide the greatest value to Alaska Industry because they are committed and trained here.

The state can be assured UAA/UAF are capable of delivering the highest level of service in any case. Improving the facilities will improve the odds of attracting the best and brightest Alaska students, keeping them here, and training them. As I said before, I can think of no better investment in Alaska's future.

Sincerely;

Elden R Johnson, PE
Corrosion Engineer,
BP Exploration Alaska

(907) 564-4015
(907) 322-9161 (Mobil)

R&M CONSULTANTS, INC.
9101 Vanguard Drive, Anchorage, Alaska 99507
(907) 522-1707, FAX (907) 522-3403, www.rmconsult.com

February 27, 2011

R&M No. 0001.00

Senator Johnny Ellis
State Capitol Building, 119
Juneau, Alaska 99801

RE: UAF and UAA Engineering Facilities

Dear Senator Ellis:

Since our inception in 1969, R&M CONSULTANTS, INC. (R&M) has heavily relied on the University of Alaska Anchorage (UAA) and University of Alaska Fairbanks (UAF) as a valuable source of graduate engineers, geologists, and surveyors to meet our staffing needs.

R&M is entirely based in Alaska and we pride ourselves on hiring graduates of our local universities. R&M currently has 27 UAA graduates and 13 UAF graduates on our staff. These graduates represent approximately 40% of our entire staff.

While UAA and UAF have done an excellent job of preparing young professionals for our client service needs, we are aware that current engineering facilities are dated and do not meet current space and technology requirements.

R&M strongly supports funding for UAF and UAA infrastructure, particularly a new engineering building on the UAA campus which is needed to meet our growing State's infrastructure and economic requirements.

Please contact me at your convenience with any questions on how valuable modern UAA and UAF facilities are to both R&M and the State of Alaska.

Sincerely,

R&M CONSULTANTS, INC.

Frank D. Rast, P.E.
Senior Vice President - Engineering

TANADGUSIX

Senator Johnny Ellis
State of Alaska

February, 27, 2012

Dear Senator Ellis:

On behalf of Tanadgusix Corporation, I am writing you a letter in support of the engineering facilities funding legislation for UAF and UAA. Educating and retaining Alaska students after graduation is paramount to the success of our local businesses and state economy. Tanadgusix Corporation sponsors many students, some in the engineering field, and fully supports the UA Board of Regents "Engineering Initiative".

In a Human Resources professional career that spans over 30 years in Alaska, I have seen first-hand how hiring locally educated Alaska students benefits rural economies through better understanding of the effects engineering projects have on our rural communities, both financially and culturally.

Please accept this letter of support in your continuing effort to engage the Alaska State Legislature in funding the engineering programs at our colleges and universities around the state.

Sincerely,

Robert Odenheimer
Director, Human Resources
Tanadgusix Corporation

PO Box 88
St. Paul, Alaska 99660
907.546.2312
Fax 907.546.2366

tanadgusix.com

615 E 82nd Ave, Suite 200
Anchorage, Alaska 99518
907.278.2312
Fax 907.278.2316

The Institute of Electrical and Electronics Engineers, Inc. - Alaska Section
P.O. Box 230367 Anchorage, Alaska 99523-0367

February 27, 2012

Senator Johnny Ellis
State Capitol Building 119
Juneau, Alaska 99801

Forwarded by email to: Senator_Johnny_Ellis@legis.state.ak.us

Subject: SB107, Appropriation for University Engineering Buildings

Dear Senator Ellis:

The Alaska Section of the Institute of Electrical and Electronics Engineers (IEEE) strongly supports SB107, which provides $75 million to the University of Alaska for the design and construction of a new engineering building at the University of Alaska Anchorage, and $50 million for the design and construction of a new engineering building at the University of Alaska Fairbanks.

Dramatically increasing engineering enrollments are stressing the ability of both campuses to meet the demand for engineering educations. It is very important to provide local access for engineering students, or many will either go without, or leave the state to enter other institutions. Many of those who leave the state do not return.

IEEE currently has about 500 members in Alaska. It is the world's largest professional association for the advancement of technology, with over 400,000 members.

Thank you for sponsoring these urgently needed appropriations. Please advise if we can do more to support SB107.

Sincerely,

/s/ Robert Seitz, Chair
IEEE Alaska Section
<seitzak@ieee.org>

CH2M HILL
301 West Northern Lights Blvd.
Suite 601
Anchorage, Alaska 99503
Tel 907.278.2551
Fax 907.257.2000

CH2MHILL

Senator Johnny Ellis
State Capitol, Suite 103
Juneau, Alaska 99801

February 4, 2010

Dear Senator Ellis,

When you addressed our ACEC organization in November, 2009 we discussed and agreed that the shortage of engineers in Alaska is a very real problem.

This is why I am pleased to see your follow up with the pre-filing of SB206. Please know that I am in full support of this bill as a positive step in assuring the health and vitality of the University of Alaska's engineering programs and by extension the ability to plan, design, and construct the public and private infrastructure so vital to our economic well being.

As a business manager in Alaska I can attest to the difficulty in recruiting engineers and retaining engineers relocated from the lower 48. I have found that the University of Alaska system continues to provide high quality engineers that are home grown, and want to stay in Alaska and participate in this great State's growth. Unfortunately, to date our university system has not been able to provide the number of engineering graduates to sustain the need.

The State Department of Labor estimates that 400 new engineers will be needed in Alaska each year through 2014. Currently, the University of Alaska, both in Fairbanks and Anchorage, is growing about 100 engineering graduates each year. The University is implementing a plan to double the number of undergraduate-trained engineers annually by 2012. Overall, programs at UAA and UAF expect to produce 200 undergraduate engineers every year. Doubling the number of University of Alaska graduates will make a difference, but the number of engineers introduced to Alaska's workforce will still be inadequate compared to our profession's needs. Increased funding is needed to support this and additional growth. More importantly if funding for both facilities and staff do not increase with the number of graduates it will be difficult to maintain the high quality of engineering graduates the University of Alaska currently provides.

I know you share my opinion that the need to maintain high caliber local engineering graduates has never been greater. It's time for the University of Alaska's engineering programs to get the funding they need and deserve, for our students and our state. This is a challenge that I hope we as a statewide community can meet through the combined efforts of the Legislature, the University of Alaska and our industry.

Sincerely,

Daniel, G. Sterley, P.E.
Vice President
CH2M HILL

SIEMENS

February 27, 2012

The Office of Senator Johnny Ellis
State Capitol Building, 119
Juneau, AK 99801
(907) 465-3704
Fax (907) 465-2529

Dear Mr. Ellis,

I'm writing this letter to express my support for the development and utilization of Engineering Buildings at both UAA and UAF. I have been hiring mechanical and electrical engineers for over 15 years throughout the state of Alaska. Six years ago, I found it difficult to find enough student engineers from the University of Alaska and had to resort to recruiting outside the state. After 6 failed attempts to relocate individuals to Alaska, I had to do something different. The cost of moving engineers to Alaska, getting them trained up only to have them fail to effectively transition to the unique climate, remoteness or other of living in Alaska, was getting too expensive. Therefore, I put the following actions in motion. Step 1, I initiated the "Grow Your Own - GYO" program for Siemens in Alaska. The premise of the program focuses primarily on seeking quality university interns to work with our corporation in a summer program. If the experience is successful, Siemens offers the intern a full time job that includes paying their tuition. Step 2 - Our Company started Siemens Science & Math day at Rabbit Creek Elementary to promote curiosity and fun within the field of Math and Science. Siemens engineers work with students on engineering projects to give them a better understanding of various components in the field of engineering, in the hopes that they're excitement and curiosity is peaked, and that they interested if not passionate about future opportunities in engineering related fields. Step 3 - Our Company worked closely with the UA system statewide and developed Engineering Academies at both Diamond and Lathrop High Schools. I was able to get Siemens to fund the Project Lead the Way training for the teachers that would be instructing in the academy.

I'm proud to report that all three actions have proven successful. Our GYO's are doing outstanding while we are seeing more elementary kids pursuing classes in both Middle and High school that strongly align with coursework needed in the fields of engineering. Dimond and Lathrop High School programs have fostered the growth of numerous students who are pursuing engineering degrees, with wait-lists for entrance to these programs. Finally, the UA system enrollment continues to increase at a rate faster than available seats allows.

5333 Fairbanks St.
Anchorage, AK 99518

Tel: (907) 563-2242
Fax: (907) 563-6139

Our state needs to focus on keeping our young engineers in the state, with stellar academic programs and facilities that allow them to excel. The old verbage, "If you build it, they will come" has proven effective on a small scale in recent Alaskan history. But greater need is evident and necessary. I really hope if we build facilities to educate and train Alaska's own that they will not only come, but will stay and work in Alaska, and become a successful and driving force throughout our state. We need Alaskans building today for tomorrow's future and Alaska's future success.

Thank you for your time and consideration. Please feel free to contact me and let me know if you have any questions.

Respectfully,

Leverette G. Hoover
Alaska Branch Manager
Siemens Industry Inc
5333 Fairbanks St.
Anchorage, AK 99518
Tel: (907)563-2242
Fax: (907)563-6139
leverette.hoover@siemens.com

Dear Representative Lynn:

As one of your constituents, I am writing to urge your support of the bill(s) now under consideration for design and construction of new facilities for the UAA School of Engineering. I am a resident of Anchorage and I am employed by URS Corporation, one of the world's largest engineering and environmental consulting firms. URS and its predecessors (Woodward-Clyde and Dames & Moore) trace their Alaskan presence to the late 1950s. I have been a registered professional engineer in Alaska since 1977 and I have been a member of the UAA School of Engineering Dean's Advisory Board for several years.

For the past 31 years I have been in the engineering and environmental consulting business in Alaska, and thus an employer of engineers. For the 16 years prior to my consulting career, I was a professor on the faculties of three universities, including four years at UAF and more than a decade as an adjunct professor of engineering at UAA, so I also know something about the "business"of educating future engineers.

As noted above, the purpose of my letter to you is to urge your support of the UAA School of Engineering. I speak to you as one of your "customers" because I am part of the professional community that has a growing need for a steady supply of engineers who are well-educated and "Alaska-smart."

For all of my consulting career I have been an employer of engineers. I have strived always to hire engineers who have been educated in Alaska, before importing engineers from "Outside." I do this because I know that engineers educated at both UAA and UAF are well-founded in the fundamentals and because they have already been introduced to the special requirements of engineering design and construction in Alaska. Engineers who are imported from "Outside" are generally not informed of the unique aspects of engineering for Northern applications, let alone the special requirements of the Arctic.

We need to improve our capability to educate engineers within Alaska. Both UAA and UAF engineering programs are woefully underequipped. To remedy their deficiencies will require capable faculty and modern facilities. Of course, this requires investment, and that requires your support. This is not a UAA versus UAF decision because both require all the support that the State can provide. However, the situation at UAA is more dire because of the recent rapid growth of the engineering programs there and the extreme shortage of adequate space and laboratory facilities to provide up-to-date and forward-looking education to our engineering students. It has likely been brought to your attention that the national average for laboratory

space for engineering instruction is about 120 sq. ft. per student, while at UAA the average is only about 44 gross square feet per engineering student.

There is before you a proposal to construct a new building to support UAA engineering. Please give it your full and enthusiastic support. Please urge your legislative colleagues to do the same. If you need assurance that the accelerated interest and growth in UAA engineering will be sustained, please talk to the local engineering community, of which I am but one representative. You will find ample assurance that the growth we have seen in the UAA engineering program is sustainable.

Alaska's future depends on our ability to develop responsibly our renewable and nonrenewable resources. First and foremost, this requires engineers who are well-educated and Alaska-smart. We hear much about focusing more on our renewable resources. What renewable resource is a better investment than the young people of Alaska? Engineers are an essential and very important component of our younger population. Please support the proposal to construct additional facilities to support engineering education at UAA.

Very sincerely,

Jack Colonell

Joseph M. (Jack) Colonell, PE, PhD
Program Manager, Environmental and Regulatory Support Services
Alaska Pipeline Project
URS Alaska, LLC
Anchorage, Alaska
Tel. (direct): 907.343.0215
Tel. (mobile): 907.360.8291
jack.colonell@urs.com

April 5, 2011

The Honorable Senator Johnny Ellis
Senate Education Subcommittee Chair
State Capitol, Rm 119
Juneau, AK 99801-1182

via email to: Senator_Johnny_Ellis@legis.state.ak.us

RE: Senate Bill SB 107

SUBJ: Yes for New Engineering Buildings for UA

Dear Senator Ellis,

Thank you for sponsoring SB 107 which makes special appropriations for new University of Alaska engineering buildings in Anchorage and Fairbanks.

As professional engineers, we have been in business in Alaska for 30 years now. During that time our single greatest challenge has been finding and retaining qualified engineers to live and work in Anchorage. The problem has only recently begun to change with the expansion of the University of Alaska's mechanical and electrical engineering programs, but they are seriously constrained by the lack of facility infrastructure.

For example, the Engineering Building at UAA was built in the 1970's and has struggled for credibility for forty years. The engineering laboratory spaces are grossly undersized and outdated. Frankly, a student could find better mechanical and electrical engineering laboratory facilities just about anywhere else in the nation. Further, the total existing engineering teaching space at UAA is only large enough to support one third of the actual need!

Alaska cannot grow without engineers, so funding of these much needed engineering building projects should be one of the very highest priorities for the State of Alaska. Please share this letter with your colleagues and encourage them all to support SB 107 and other related legislation to significantly upgrade the engineering buildings at the University of Alaska.

Sincerely,

AMC ENGINEERS

Boyd Morgenthaler, P.E.
Principal Mechanical Engineer

Pat Cusick, P.E
Principal Electrical Engineer

cc via email:
Senator Lesil McQuire, Senate Finance Committee (Boyd's Senator)
Senator Kevin Meyer, Senate Education Committee Co-Chair (Pat's Senator)

Adams, Morgenthaler and Company, Inc.
701 East Tudor Road • Suite 250 • Anchorage, AK 99503
fax 907-257-9191 • info@amc-engineers.com • phone 907-257-9100

From: Korynn Applegate [mailto:kapplegate@kuminalaska.com]
Sent: Tuesday, April 05, 2011 2:52 PM
To: Sen. Johnny Ellis
Subject: Supporter of SB-107

Good Afternoon Senator Johnny Ellis,

This is my testimony to support SB-107 which will provide funding to expand the UAA & UAF engineering facilities and programs. I appreciate your time and look forward to seeing this bill go through.

Thanks,

Korynn Applegate
Intern Architect

KUMIN ASSOCIATES
architects | planners | interior designers

808 E Street, Suite 200
Anchorage , Alaska 99501
T (907) 272-8833 **F** (907) 272-7733

Visit Kumin Associates' new website at www.kuminalaska.com

From: Mikal Hendee [mailto:mkhengineering@gmail.com]
Sent: Monday, March 28, 2011 10:21 AM
To: Sen. Johnny Ellis
Subject: Re: Seeking your support for Engineering Facilities - SB107

Dear Senator Ellis,
I am writing to let you know I am in full support of Senate Bill SB107 to fund the construction of new engineering buildings at UAF and UAA. As a 15-year engineer working in Alaska, I have watched the market for engineers increase over the years. The current engineering facilities at UAF and UAA are inadequate to support the demand for engineering graduates in this state.
Thank you for your sponsorship of this bill.
Sincerely,
Mike Hendee

Mike Hendee, P.E.
MKH Engineering
8050 Queen Victoria Drive
Anchorage, AK 99518
907-244-3807
mkhengineering@gmail.com

RIM
ARCHITECTS

ALASKA · CALIFORNIA · GUAM · HAWAI'I
645 G Street, Suite 400
Anchorage, Alaska 99501
Phone: 907.258.7777
Fax: 907.279.8195
www.rimarchitects.com

April 5, 2011

The Honorable Kevin Meyers
The Honorable Joe Thomas
Senate Education Committee
Alaska State Legislature

RE: Letter in support of SB 107

Dear Senators Meyers and Thomas:

On behalf of RIM Architects and 33 Alaska based employees we offer our support for SB 107 an Act making special appropriations for new engineering buildings for the University of Alaska, Anchorage and Fairbanks campuses. Recognizing a nationwide shortage of engineers is leading to a potential future crisis, and the vital role engineers play in meeting the technological challenges that await future statewide development, we at RIM feel there is a need for Alaskans to be educated and trained with a focus on the unique aspects of construction and design required in our Arctic and sub-Arctic environment. These future engineers represent and important economic engine, vital to Alaska's health.

Alaskans know that we live in a special place, but without technology, we wouldn't survive in this locale. Qualified engineers seek solutions to mitigate the forces of nature- coastal erosion, high seismic activity, abrasive volcanic fallout, extreme snow loading, and the freezing or thawing of our permafrost. Those solutions must fit with logistics that are unimaginable in other regions. The lack of roads, clean water and sanitation systems, seasonal darkness, extreme cold, frozen shipping lanes, short construction seasons, and the expensive energy costs, require individuals with common sense and practical knowledge to meet the challenges of our special place. Alaskans have these qualities.

As we have experienced through the Alaska Native Science & Engineering program, students from villages throughout the state who are enrolled in science and engineering programs continue to stay and work in the state. The new Fairbanks and Anchorage Engineering buildings funded by SB 107 along with the associated programs would have the same affect helping to meet the ever increasing demand for Alaska design professionals.

To conclude, we wholeheartedly endorse SB 107 an investment that will train and educate Alaskan engineers and design professionals necessary to address Alaska's future infrastructure construction demand.

Sincerely yours,

Larry C. Cash
President & CEO

James Dougherty
Alaska Managing Principal

Larry S. Cash CEO | Timothy L. Armour | Scott A. Bohne | James E. Dougherty | Michelle M. Jones | David L. McVeigh
Eric R. Nelson | Philip L. Noret | Krista R. Phillips | Matthew P. Vogel | Brent L. Wiese | Christine M. Wolke

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MWH

BUILDING A BETTER WORLD

February 27, 2012 Submitted via Email

Senator Johnny Ellis
Alaska State Legislature
Alaska State Capitol Building, Room 119
Juneau, Alaska 99801

Dear Senator Ellis:

The purpose of this letter is to urge you to support the continuation of funding to design and construct the necessary engineering facilities at UAA and UAF now. I support expansion of UA engineering facilities for a number of reasons:

- Engineering graduates are in high demand in this state, and the need exceeds the demand.
- Alaska faces a shortage of qualified engineers. To respond to the state's need, the University of Alaska Board of Regents set a priority to more than double the annual number of baccalaureate graduates to 200 by FY14.
- The Alaska Department of Labor's current projections through 2018 indicate an average of 50 new engineering jobs will be available each year, plus another 70 openings from annual turnover and retirement.
- Many engineers working in Alaska are non-residents - up to 35 percent in some disciplines. These employees lack education and experience in Arctic engineering principles.
- We recognize that graduates from Alaska and UA are more likely to remain in Alaska. Graduates from both UAA and UAF are essential.

Thank you for your consideration of this request. It is important to me, MWH in Alaska, our industry, and the state of Alaska.

Sincerely,
MWH Americas, Inc.

Chris Brown

Chris Brown
Vice President and Alaska Regional Manager

1835 S. Bragaw Street
Suite 350
Anchorage, AK 99508

TEL 907 248 8883
FAX 907 248 8884
www.mwhglobal.com

ALASKA · CALIFORNIA · GUAM · HAWAI`I
645 G Street, Suite 400
Anchorage, Alaska 99501
Phone: 907.258.7777
Fax: 907.279.8195
www.rimarchitects.com

February 26, 2012

Honorable Johnny Ellis
716 W. 4th Avenue, Suite 500
Anchorage, AK 99501

RE: University of Alaska School(s) of Engineering
SUPPORT FOR ENGINEERING FACILITIES IN ANCHORAGE AND FAIRBANKS

Dear Senator Ellis:

RIM Architects is a full-service Architectural firm, founded in Anchorage, with additional offices in Honolulu, Hawaii, San Francisco, California and Hagatna, Guam. We serve the architectural needs of Alaska and the Pacific Rim with master planning and design for new facility construction and renovation. We celebrated our twenty fifth year of business beginning last April, a milestone for which we are very proud to have achieved.

Alaska has many unique challenges for the Architecture and Engineering (A/E) professions. There is no university curriculum for architecture in Alaska, so we find ourselves leaning heavily on the engineering schools in Anchorage and Fairbanks to provide resources for keeping abreast with developments in climate, materials testing, logistics, sustainability and innovation. To obtain a professional license to practice architecture in Alaska for example, one must enroll in the University of Alaska's Engineering School to complete classes in Arctic Engineering or Northern Design. Our design solutions rely heavily on the expertise provided by professional engineering sub consultants. To keep a professional license, A/E's are required to obtain Continuing Education Credits, appropriately reflecting the complex and changing world where we live and practice.

A successful building project requires specific expert knowledge in the areas of Structural, Geotechnical, Civil, Mechanical, and Electrical engineering to augment and compliment the expertise of architects. Alaska's unique challenges require a coordinated system of partnership between the professionals and the academic world to keep our professions current with emerging technologies and practices. This is true in all states, but is particularly applicable in Alaska, where the sheer size of the state and the unique challenges of coastal areas, extreme temperature variations, rugged terrain, seismic activities, snow accumulation, ice movement, fragile ecosystems, permafrost, and seasonal logistics related to fuel and energy are not well studied or understood by universities elsewhere. These challenges are significant in our region, and the number of qualified engineers entering the marketplace is not predicted to meet the future demand.

We are very concerned that if the University of Alaska doesn't keep pace as a leading regional and circumpolar institution, our A/E industry in Alaska will suffer setbacks meeting the engineering and technological challenges of the future. **Please consider this a letter of support for expansion of programs and facilities in both Fairbanks and Anchorage** to assure that Alaska can fulfill its destiny as a leader in understanding and providing solutions to our unique challenges, now and into the future.

Sincerely,

RIM Architects

James E. Dougherty, AIA NCARB
Managing Principal - Alaska

RIM Letter-of-support_UAA-UAF.docx

Larry S. Cash FLC | Timothy L. Armour | Scott A. Bohne | James E. Dougherty | Michelle M. Jones | David L. McVeigh
Eric R. Nelson | Phillip L. Noret | Krista R. Phillips | Matthew P. Vogel | Brent L. Wiese | Christine M. Wolke

CELEBRATING 25 YEARS
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Institute of Transportation Engineers - Alaska Section
P.O. Box 202637, Anchorage, Alaska 99520

March 02, 2012

Senator Kevin Meyer
State Capitol Room 103
Juneau, AK 99801

Dear Senator Meyer

The Institute of Transportation Engineers (ITE) is an international educational and scientific association of transportation professionals who are responsible for meeting mobility and safety needs. ITE promotes professional development of its members, supports and encourages education, stimulates research, develops public awareness programs and serves as a conduit for the exchange of professional information. On behalf of the Institute of Transportation Engineers-Alaska Section's more than 80 members, we are writing to express our support for expanding the engineering facilities at the University of Alaska to meet the demands of our state and professional industry.

Both UAA and UAF facilities are cramped and out-of-date in ways specific to their locations and programs. Instructional and specialized lab space must be expanded and improved to meet the needs of today's engineering student. It is important to produce "home grown" engineers to keep projects from leaving the state and to attract new projects to the state. Professionals that grew up in Alaska and obtain Alaskan engineering degrees have a tendency to remain here, reducing turnover rates for employers.

Graduates from both UAA and UAF are essential. In short, new engineering facilities are clearly justified as recommended by objective assessments of UA capabilities and industry needs. We urge you to take an active role in supporting the University of Alaska engineering programs during the upcoming legislative session.

Sincerely,

Karthik Murugesan, E.I.T.
President, ITE Alaska Section

Nicole Knox, P.E.
Vice-President, ITE Alaska Section

Thank you for supporting ITE Alaska Section!

Alaska Society of Professional Engineers

A state society of the National Society of Professional Engineers

February 27, 2012

Senator Johnny Ellis
Alaska State Legislature
Alaska State Capitol Building
Juneau, AK 99801

Dear Senator,

Alaska is a great state in many ways. One of my favorite things about Alaska is its history with the engineering profession. The ALCAN Highway, Yukon River Bridge and the Trans-Alaska Pipeline are all examples of great things accomplished by engineers in Alaska. Despite our past accomplishments, I believe our greatest engineering accomplishments in this state still lie ahead of us. I am putting pen-to-paper today to voice my support for the new engineering facilities at both the Fairbanks and Anchorage campuses for the University of Alaska.

I am a 16-year resident of Alaska having moved here directly after receiving a Bachelor of Science Degree in Civil Engineering at the USAF Academy in Colorado Springs, CO. I fell in love with Alaska and after leaving the service have made Alaska my home. Recently I worked through night classes at UAF to receive a Master of Science degree in Engineering Management (2010). My follow on education from UAF was instrumental in helping me advance within my company and putting me into a position to serve the community better. I am currently in my second year of serving as the President of the Fairbanks Chapter of the Alaska Society of Professional Engineers (ASPE).

From my point of view as an employee at Design Alaska and through my volunteer work with ASPE, I get to see the quality of UA engineering graduates. They are truly some of the best of the rising generation. In addition to their educational strength, they also "get" Alaska and know what it takes to live and work here. They are committed to their communities and this state. Immediately upon entering the work force they are going the extra mile to give back to the University, to the community, and to the state.

The current engineering facilities in Fairbanks and Anchorage are lacking in space and do not provide the level of access to state-of-the art equipment that is warranted. Despite the fact that the facilities are inadequate, the engineering programs continue to grow in enrollment and generate capable engineers. I believe that funding the upgrades to the facilities is essential to accomplishing the engineering feats that will happen in Alaska in the next 50 years. We want Alaskan engineers to design and construct these projects. I request your support in helping the legislature understand the critical need for these facilities.

Sincerely,

Jeff Putnam, PE, PMP
President – Fairbanks Chapter, ASPE
Design Alaska – Marketing Director/Project Manager
jeff@designalaska.com

LOREN & CAROLYN LEMAN
2699 Nathaniel Court • Anchorage, Alaska 99517 • (907) 243-2000

February 26, 2012

Senator Johnny Ellis
State Capitol
Juneau, AK 99801 via email Senator_Johnny_Ellis@legis.state.ak.us

Dear Senator Ellis and members of the Legislature:

Re: Funding for University of Alaska Engineering Facilities

I support funding for expanded and improved engineering facilities at both UAS and UAF.

The Board of Regents has set a goal that UA graduate at least 200 engineering students by 2014. Growth in engineering at UAA has been incredible—and this program now serves more students than our traditional engineering campus at UAF. UAA desperately needs classroom, laboratory and office space. It expects to graduate 80 engineering students in May—and UAF may be close to this.

In a recent review of the UAA engineering program by the Accreditation Board for Engineering and Technology (ABET), space limitations were identified as a significant deficiency that needs immediate attention. Maintaining accreditation is vitally important for attracting and retaining students. UAF also needs to upgrade its aging facilities.

I have been a registered Civil Engineer in Alaska for nearly 35 years—and now am on the Advisory Board for the UAA School of Engineering. I also serve on advisory councils for the Dimond High School Engineering Academy and Career & Technology Education for the Anchorage School District. Through these and other programs in which we promote STEM (Science, Technology, Engineering & Mathematics), I join others in actively recruiting students to our University. We have seen a tremendous response by our high school students in choosing engineering at UAA and UAF.

I understand the challenges of building a budget—and recognize that the University must compete with other needs. As you complete this task, I hope you will agree with me that new engineering buildings will be a huge step toward preparing our students to step into wonderful opportunities in our State.

Sincerely,

Loren Leman

Loren Leman, P.E.

February 24, 2012

Senator Johnny Ellis
State Capitol Room 119
Juneau, AK 99801

Dear Senator Ellis,

I am a 13 year resident of the state of Alaska and an active member of my community. I received my bachelor's degree in engineering in 1991, am registered professional engineer in Alaska, and am employed as a civil engineer in the Anchorage office of Michael Baker Jr. Engineering, Inc.

The purpose of this letter is to urge you to support the continuation of funding to design and construct the necessary engineering facilities at UAA and UAF now. I support the expansion of UA engineering facilities.

I am often involved with hiring engineering staff. In the past I have hired Outside engineers. While these individuals were qualified and capable staff, many of them remained in Alaska for only a year or two before relocating back to the Lower 48. Hiring and developing professional staff is a significant cost for firms.
Given a choice of qualified individuals, I would prefer to hire those with an Alaskan background. Funding continued design and construction of additional UA engineering facilities will ensure that Alaska continues to meet the demand for qualified engineers.

Thank you for your consideration of this request. It is important to me, my company, our industry and the state of Alaska.

Sincerely,

Derek Christianson
Senate District P
House District 31

From: zae@gci.net [mailto:zae@gci.net]
Sent: Monday, February 27, 2012 9:46 AM
To: Sen. Johnny Ellis
Subject: Support for University of Alaska Engineering Buildings

Senator Ellis

I am very much in support of new engineering instructional facilities for both the Anchorage and Fairbanks campuses. We need to increase the number of new engineers in Alaska. By having excellent engineering programs at both UAA and UAF we will be able to keep the exceptional high school students at home for their engineering education. My experience has been that hiring Alaska trained engineers are the best investment as they know what living in Alaska is all about and they have the work ethic to be successful.

John P. Zarling, Ph.D., P.E.
Zarling Aero and Engineering
1958 Raven Dr.
Fairbanks, AK 99709
907 479-6525 (office)
907 347-1447 (cell)

From: Kinney, Donald Gregory [mailto:Donald.Kinney@alyeska-pipeline.com]
Sent: Monday, February 27, 2012 12:58 PM
To: Sen. Johnny Ellis; Sen. Hollis French
Subject: UAA and UAF engineering buildings

Senators Ellis and French,
I would like this note to add to those in support of funding new engineering buildings at both UAA and UAF. While the existing buildings have served the students well in past years, they lack capacity and functional adequacy for the current and projected future demands. I appreciate your support for this initiative. Thanks very much.

Greg Kinney
2200 Sonstrom Drive
Anchorage, Alaska 99517-1018

26 February 2012

Members of the Alaska State Legislature
Alaska State Capitol Building
Juneau, Alaska 99801

RE: Capital Funding for UA Engineering buildings

Dear Members of the House and Senate:

I am a 27 year resident of the State of Alaska, the mother of three Alaskans planning to make their lives here as adults, and an active member of my community, especially in my profession, Architecture. I received my Master of Architecture degree in 1985 from the University of Orgeon, became a registered architect in the State of Alaska in 1990, and started my own architecture firm, Blue Sky Studio, in 2002. I have served on the AIA Alaska Board for ten years, and currently serve on the UAA School of Engineering Advisory Board.

My purpose is to urge you to support the continuation of funding to design and construct the necessary engineering facilities at UAA and UAF now. Both campuses are underserved at the present time, and to meet demonstrated future need for engineers in the state (projected at 50 new jobs per year, plus an additional 70 jobs opening up from retirement and turnover) both campuses need more space to be able to offer the necessary labs and classes to home grow these engineers.

Why the emphasis on home grown engineers? As an employer, I know how hard it is to find employees when construction is in a boom. And when there's a glut of people seeking to move to Alaska, as in recent years, you are faced with the large expense of training someone who may decide to jump ship in a year or two if the Alaska adventure turns sour for the employee or the employee's family. This is a very real cost to the business community. Equally important is the environmental awareness an Alaskan brings to the design and construction industry. The learning curve is less steep for someone who has already spent years dealing with the complications of our climate and remote location.

As a parent, I am would like to add how very excited I am about what is happening at UAA. Three of my nephews started school outside, and ended up finishing their degrees at UAA – one in engineering, and two in the construction management program. My daughter started in the WWAMI program this fall. The school is becoming a brain trust for the community, in the same way the UAF has long been for Fairbanks. I would love to see growth in town/gown partnerships in enginnering, construction, design, IT, telecommunications and bio-medical engineering, but we don't have room for the students currently seeking to enroll in existing programs.

BLUE SKY STUDIO
6771 Lauden Circle Anchorage AK 99502-9873
907 677 9078 catherine@callbluesky.com

The UA Board of Regents has set the Engineering buildings as their next capital priority. This is going to be a long and expensive process. The cost to fulfill a need of this magnitude needs to be spread over several fiscal years. We tend to focus on our "natural" resources – oil, timber, fish, minerals. Let's not forget to invest in our greatest natural resource – the minds of our community.

Thank you for your consideration of this request. It is important to me, my company, our industry and the state of Alaska.

Sincerely,

Catherine Call

House District 27
Senate District N

Cc: Senator Johnny Ellis
Senator Lesil McGuire
Representative Mia Costello
Representative Les Gara
Orson Smith, Interim Dean, UAA SOE
Richard Reich, Chair, UAA SOE

BLUE SKY STUDIO
6771 Lauden Circle Anchorage AK 99502-9873
907 677 9078 catherine@callbluesky.com

Senator Ellis,

Please consider this email as my support statement for the SB-107 and the funding of New Engineering Facilities at the campuses of Anchorage and Fairbanks for the University of Alaska.

As a registered professional Civil Engineer that continues to practice in the State of Alaska for almost 45 years, I have seen the value of engineers that have graduated from the University of Alaska. These graduates are here because they want to be and begin their professional careers with a knowledge base of Alaska conditions that contributes to their designs from the start.

The University of Alaska needs to have the opportunity to continue to develop programs that college students are seeking in the development of their knowledge base and the skills to meet the demands of today's present and future work place requirements. In order to meet these requirements, the University of Alaska should have modern facilities with space to grow and incorporate current and future instructional equipment. If the pace of staying current with today's growing technology does not occur, then the University could face the reality of falling behind other Institutions of High Education. If this happens, our Alaska High School graduates will look elsewhere for their education and the University of Alaska's recruitment of students from other states may be impacted as well.

Thank you for the opportunity to comment and provide my support to this important legislation for the University of Alaska and most importantly, thank you for your continuing support of the University and your sponsorship of this important bill.

Dale

Dale A. Nelson, P.E., F.ASCE
Email: dale.nelson@gci.net
Cell: 907-947-1855

26 February 2012

Members of the Alaska State Legislature
Alaska State Capitol Building
Juneau, Alaska 99801

RE: Capital Funding for UA Engineering buildings

Dear Members of the House and Senate:

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6771 Lauden Circle Anchorage AK 99502-9873
907 677 9078 catherine@callbluesky.com

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Thank you for your consideration of this request. It is important to me, my company, our industry and the state of Alaska.

Sincerely,

Catherine Call

House District 27
Senate District N

Cc: Senator Johnny Ellis
Senator Lesil McGuire
Representative Mia Costello
Representative Les Gara
Orson Smith, Interim Dean, UAA SOE
Richard Reich, Chair, UAA SOE

BLUE SKY STUDIO
6771 Lauden Circle Anchorage AK 99502-9873
907 677 9078 catherine@callbluesky.com