MINUTES OF THE HOUSE APPROPRIATIONS COMMITTEE

The meeting was called to order by Chairman Rhoades called the meeting to order at 9:08 a.m. on April 27, 2011, in Room 346-S of the Capitol.

All members were present

Committee staff present:

Jim Wilson, Office of the Revisor of Statutes
Nobuko Folmsbee, Office of the Revisor of Statutes
Alan Conroy, Kansas Legislative Research Department
J.G. Scott, Kansas Legislative Research Department
Jarod Waltner, Kansas Legislative Research Department
Shirley Morrow, Kansas Legislative Research Department
Kathy Holscher, Committee Assistant, Appropriations Committee

Others attending:

See attached list

Conferees:

Ed McKechnie, Kansas Board of Regents Zulma Tora-Ramos, Wichita State University Tom Hilpert, Hawker-Beechcraft Jason Dalen, Civic Council of Greater Kansas City Phil Straub, Garmin International Keith Warta, Bartlett & West, Inc. Corey Peterson, Associated General Contractors of Kansas

Chairman Rhoades welcomed committee members and reviewed the meeting agenda.

Senate Substitute for HB 2149: University engineering initiative act

Jim Wilson, Office of the Revisor of Statutes, presented an overview of **Senate Substitute for HB 2149** (Attachment 1), and responded to committee members questions regarding the authorization of expanded lottery act revenues fund (ELARF). He stated that the first \$4 million credited to ELARF shall be transferred to the Kan-grow engineering fund. It was noted that the goal is to annually increase engineering graduates within state educational institutions.

Ed McKechnie, Vice-Chair, Kansas Board of Regents, presented testimony as a proponent of <u>Senate</u> <u>Substitute for HB 2149</u> (<u>Attachment 2</u>), and responded to questions from committee members. He discussed that impact of educating engineering students as an investment in the economic recovery of Kansas.

Zulma Tora-Ramos, Dean of Engineering, Wichita State University and representing the University of Kansas and Kansas State University, presented testimony as a proponent of **Senate Substitute for HB 2149** (Attachment 3), and responded to questions from committee members. She discussed three strategies that will maximize the effectiveness of the state's investment within the three universities, which included recruitment of more students, increase the percentage of students graduating and build capacity for a larger student body.

Tom Hilpert, Director Advanced Design and Central Engineering, Hawker Beechraft, presented testimony as a proponent of Senate Substitute for <u>HB 2149</u> (Attachment 4).

Jason Dalen, Associate Director, The Civic Council of Greater Kansas City, presented testimony as a proponent of **Senate Substitute for HB 2149** (Attachment 5).

Phil Straub, Vice President of Aviation Engineering, Garmin International, presented testimony as a proponent of **Senate Substitute for HB 2149** (Attachment 6).

Keith Warta, President, Bartlett and West, Inc., presented testimony as a proponent of **Senate Substitute for HB 2149** (Attachment 7).

CONTINUATION SHEET

Minutes of the House Appropriations Committee at 9:08 a.m. on April 27, 2011, in Room 346-S of the Capitol.

Corey Peterson, Executive Vice-president, Associated General Contractors of Kansas, presented testimony as a proponent of Senate Substitute for $\underline{\mathbf{HB~2149}}$ (Attachment $\overline{\mathbf{Z}}$).

Chairman Rhoades reviewed the agenda for the next committee meeting.

Meeting adjourned at 10:01 a.m.

Marc Rhoades, Chairman

APPROPRIATIONS COMMITTEE GUEST LIST

DATE: 4-21-11

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SinMag	Spirit Clero Systems
Sandy Blader	· Curc Coux il
Josep Klolen	Cove Council
BeckyBrewer	Resource Centerfor Indep. Louise
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Bernie Koch	KEPC
Andy Schlapp	WSU
Clark Eckles	KS Champer
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Office of Revisor of Statutes 300 S.W. 10th Avenue Suite 024-E, Statehouse Topeka, Kansas 66612-1592 Telephone (785) 296-6668

MEMORANDUM

To:

Chairperson Rhoades and members of the Committee on Appropriations

From:

Jim Wilson, First Assistant Revisor

Date:

April 27, 2011

Subject:

Senate Substitute for HB 2149, the University Engineering Initiative Act

Senate Substitute for HB 2149 would enact the University Engineering Initiative Act. The goal of the act is to increase the number of engineering graduates to 1,365 graduates per year in 2021, and all moneys appropriated for the purposes of this act are to be used to meet this goal.

The act provides for Wichita State University, Kansas State University and the University of Kansas to expand such universities engineering programs. The funding for such expansion is to be used to increase the number of engineering graduates and each such university is to participate in a fair and equitable manner.

Prior to any construction or renovation of any capital improvement pursuant to this act, the board of regents and the universities are required to first advise and consult the Joint Committee on State Building Construction. Further, the universities shall submit to the State Board of Regents a plan to provide for the annual maintenance and operation costs of any newly constructed engineering facility or capital improvement of an existing engineering facility when seeking funding for the making of such construction or improvement from the State Board of Regents.

The act allows Kansas Development Finance Authority, on behalf of the State Board of Regents, to issue bonds for the financing of engineering facilities in an aggregate amount not to exceed \$195,000,000. The bonds are obligations of the State Board of Regents and the obligations are to be paid from appropriations by the Legislature or other funds.

Four new funds are created in the state treasury: Kan-grow engineering fund – regents, Kan-grow engineering fund – WSU, Kan-grow engineering fund – KSU, and Kan-grow engineering fund – KU. Each expenditure from the Kan-grow engineering fund – regents which is transferred from state general fund moneys or expanded lottery act revenues fund moneys shall be required to be matched on a \$1 for \$1 basis from nonstate sources.

The Kan-grow engineering fund – regents would receive \$4,000,000 in fiscal year 2013, and \$7,000,000 in fiscal year 2014 and each fiscal year thereafter.

The act would take effect upon publication in the statute book.

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KANSAS BOARD OF REGENTS

HOUSE APPROPRIATIONS COMMITTEE April 27, 2011

Testimony in Support of S. Sub. HB 2149

Regent Ed McKechnie, Vice-Chair

Chairman Rhoades, Ranking Member Feuerborn, and members of the Committee, I am here today on behalf of the Kansas Board of Regents in support of Senate Substitute for HB 2149; legislation that would create a multi-year program to directly address the critical workforce shortage of engineering graduates.

This legislation would allow Kansas State University, the University of Kansas, and Wichita State University to expand their current capacity for educating engineering students in order to meet future workforce demands and be responsive to industry needs. The Board of Regents fully supports and endorses Senate Substitute for HB 2149 and its collaborative goal to increase engineering graduates by 60% for the State of Kansas. The Board of Regents is also appreciative of the support Governor Brownback has provided for the initial year of this program.

As proposed in the "University Engineering Initiative Act," the number of annual engineering graduates would increase to 1,365 by FY 2021, an increase of 490 annually. This legislation would also create the "Kan-Grow Engineering Fund" that would be administered by the Board of Regents. This fund would be started with the initial investment of \$1 million recommended by Governor Brownback, and grow in FY 2013 with a transfer of \$4 million from the Expanded Lottery Act Revenue Fund (ELARF). In FY 2014 and each fiscal year thereafter, a transfer of \$7 million from ELARF to the Kan-Grow Engineering Fund would be made. These funds would require a \$1-\$1 match, from non-state sources, by the three engineering schools in order to access funding in the Kan-Grow Engineering Fund.

Recognizing the significant economic return and vital role engineering programs play for our state, Senate President Morris urged the Board to begin working on this initiative a few years ago, in a collaborative effort with our campus and industry leaders. We understand industries that employ engineers will be a major engine in the economic recovery of Kansas. Expanding the capacity for educating engineering students is an investment in the economic recovery of Kansas. According to a recent independent economic impact study conducted by Goss & Associates, it takes the State of Kansas less than three years to recoup the investment in an engineering graduate.

The Board of Regents welcomes the opportunity to administer the program that Senate Substitute for HB 2149 would create, and to facilitate the development of human capital that meets the increased needs of the state. Engineering graduates play a critical role in advancing the economic vitality of Kansas, and the Board is appreciative of the leadership and vision that has produced this university engineering initiative.

Thank you for your consideration and favorable support of Senate Substitute for HB 2149.

Appropriations Committee

Date Pril 27, 2011

Attachment 2

* LEADING HIGHER EDUCATION







Written Testimony to the Kansas House Appropriations Committee on Sen. Sub for HB 2149 Submitted by Zulma Toro-Ramos Dean College of Engineering, Wichita State University 4/27/2011

Dear Chairman Rhoades and honorable members of the Kansas House Appropriations Committee:

It is my pleasure to submit this testimony on behalf of John English, Stuart Bell and myself, the deans of Kansas' three engineering colleges and schools at Kansas State, University of Kansas and Wichita State.

It is important to recognize that we are testifying about this topic today due to the leadership of Senate President Steve Morris who over three years ago called the three of us to talk about the shortage of engineers in our state and to ask us to work together on a plan to address the problem. The plan that emerged from the collaboration between President Morris and the three engineering deans is aimed at increasing the number of engineering degrees awarded to domestic students by nearly 60 percent. This plan was embraced by the Honorable Governor Sam Brownback who made increased funding for engineering education a priority, and he inspired the conversation about funding this initiative by proposing an investment of a \$1M for fiscal year 2012. Furthermore, the Kansas Senate Ways and Means Committee identified additional funding to increase the engineering degrees awarded by our institutions and approved Sen. Sun for HB 2149 making a long-term commitment to fund this initiative.

The fact that you are affording the Kansas' engineering deans the opportunity to share this testimony with you is evidence that the Kansas House Appropriations Committee also recognizes the key role of engineers in our state and nation. In fact, 80 percent of all science and technology-based occupations in Kansas are in the engineering and information technology fields. Furthermore, economic studies have shown that as much as 85 percent of measured growth in income per capita in the United States is due to technological advancement. The creators of this technological advancement are the engineers, and Kansas' engineering programs are the primary source of this workforce in our state.

The Kansas Board of Regents has also been supportive of this effort to increase the number of engineering graduates and have included it as one of the priorities for the university regents system. The Regents have been receptive to the message conveyed by the leaders of our three institutions; engineers fuel innovation and create wealth.

A quick review of the 21st century engineering challenges leads us to conclude that the demand for engineers in areas such as aviation, energy, design and consulting, pollution control, water, and health care is only going to increase. If Kansas' core industries are going to retain and create new jobs, then the required engineering talent has to be available. This has been the message shared with us and with the general public by our industry partners. They have communicated in many ways how important it is for us to grow the engineering workforce in our state.

While each of the three institutions will implement a unique plan for its campus that maximizes the effectiveness of the state investment in this initiative, there are several strategies common to the three universities. The common strategies are: 1) recruitment of more new students; 2) increase the percentage of students succeeding through graduation; and 3) build capacity to accommodate a larger student body.

The three institutions will continue to work together and we are eager, willing, and ready to work with the Governor, the Kansas Senate and House, industry, the K-12 school system and the Kansas community to educate the Appropriations Committee

Date April 27, 201

eers needed by the state to maintain our competitive advantage in today's and tomorrow's global e and the standard of living in our charming and welcoming state.

We would appreciate your support of HB 2149 the "University Engineering Initiative Act" and the opportunity to share our plan with you. Dean English, Dean Bell and myself would be pleased answer questions and provide additional information if so is needed.

Appropriations Committee

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Attachment 3-2

Tom Hilpert – Director Advanced Design & Central Engineering Hawker Beechcraft Testimony in Support of Senate Sub for HB 2149 April 27, 2011 House Appropriations Committee

Mr. Chairman, Members of the Committee, I am Tom Hilpert and I am Director Of Advanced Design & Central Engineering of Hawker Beechcraft.

Headquartered in Wichita, Kansas, Hawker Beechcraft Corporation is a world-leading manufacturer of business, special mission and trainer aircraft – designing, marketing and supporting aviation products and services for businesses, governments and individuals worldwide. Since 1932, we have produced over 54,000 aircraft with more than 36,000 still flying today. In 2010, Hawker Beechcraft generated more than \$2.8B in sales. Nearly 60% of our new aircraft deliveries were exported in 2010, making a significant contribution to the trade balance. We currently have 5,000 employees working in Kansas and employ approximately 750 in engineering.

If our company is to grow and prosper here in Kansas, we need a steady supply of trained engineers. Over the last three years, we have employed nearly 80 interns with 60 of them from Kansas Universities. We have continued to hire new graduates during that same time period. While we have hired graduates from 12 universities outside of Kansas, it is the Kansas trained engineers that desire to remain in our state long-term.

In order to continue to train engineers to be competitive in the global market, our Kansas universities need the support of our great state! The Engineering Growth Initiative supports this effort by providing the much needed seed money to our three Engineering Schools. This commitment and endorsement by the state of Kansas will attract additional funding. We are confident that the respective Deans of the Engineering Schools at Kansas University, Kansas State and Wichita State will use these funds to ensure academic excellence, practical skills applications, adequate infrastructure and enhanced scholarship opportunities for Kansans.

A major element of Hawker Beechcraft's decision to remain in Kansas last December was the ability to have a steady stream of world-class engineers. Aircraft are some of the most challenging products to design, certify and produce. Countries all over the globe desire to create an aviation cluster like we have in Wichita. These countries are providing backing to their respective universities to ensure their engineers can compete with the well established knowledge base we have.

In closing, we urge you to support Senate Substitute for HB 2149 to ensure that companies like Hawker Beechcraft can continue to meet the needs of our global customers with highly skilled engineers from our Kansas Universities. I would be happy to answer questions now or at the appropriate time.

Appropriations Committee

Date April 27, 2011

Attachment ______



THE CIVIC COUNCIL OF GREATER KANSAS CITY One Kansas City Place, 1200 Main Street, Suite 230

ne Kunsus City Flace, 1200 Main Street, Suue 230 Kansas City, Missouri 64105 Telephone: 816-221-2263 • FAX: 816-221-2209

Testimony of `
Jason S. Dalen, Associate Director
The Civic Council of Greater Kansas City
In Support of Senate Substitute for HB 2149, The University Engineering Initiative Act
House Appropriations Committee
April 27, 2011

The Civic Council of Greater Kansas City appreciates the opportunity to testify in support of Senate Bill 235 – the University Engineering Initiative Act. The Civic Council is an organization of 75 CEOs of the largest employers in the Kansas City metropolitan area. Our members include Don Hall, Jr. of Hallmark Cards, Terry Dunn of JE Dunn Construction Company, and Dan Hesse of Sprint. The Civic Council applauds Governor Brownback's inclusion of \$1 million in his proposed FY 2012 budget to jump start the Kan-Grow Engineering Fund that would be created by this legislation.

Similar to the State's hugely successful investment in building and growing the biosciences through the Kansas Bioscience Authority, the University Engineering Initiative Act is precisely the forward-thinking investment the State of Kansas should be making to stabilize and grow its economy for the future. This **investment**, and I stress **investment**, will help:

- To provide Kansas with a highly skilled workforce for the 21st Century, prepared to fill not just engineering jobs, but jobs in a variety of related fields and industries;
- To foster economic growth and the attraction and retention of highly-educated, skilled workers;
- To leverage and expand on Kansas' existing strengths in engineering, science, technology and innovation; and,
- To provide a source of funding specifically for our engineering schools necessary to support the growth of this industry in Kansas.

Kansas City is a world-class engineering city, estimated to be the fourth-largest engineering community in the United States by revenue and has the largest number of engineers per capita in the U.S. As home and headquarters to engineering giants such as Black & Veatch and Burns &

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McDonnell, as well as scores of other large, mid-size, spin-off and start-up firms, the area provides a rich environment for careers and opportunities in the engineering and related fields.

We want to keep those jobs in Kansas City. In today's economy, however, engineering firms can recruit – and are recruiting – anywhere in the world. If they cannot find the people to fill their jobs locally, they will recruit nationally and internationally. The problem is further exacerbated by the fact that those people can perform their jobs anywhere in the world; they do not have to work and live in Kansas, or the Midwest, or even the U.S.

The type of State investment contemplated by this legislation does not just help grow the engineering field. The engineering field touches on, overlaps with, contributes to and relies on a variety of other fields. Growing the engineering industry in this State will help grow all of these other industries and job sectors, including agriculture, information technology, aviation and transportation and financial services. Examples of firms that could benefit include Cerner, Garmin, Spirit and Quest Diagnostics.

Furthermore, investments in growing the engineering field help improve the overall quality of life for all Kansans. We want to keep our bright young people in the state. We want to attract other bright people to the state. We want to recruit top-notch, world-class, world-renown faculty to our universities. Our students in Kansas will stay in Kansas, and students from around the world will come to Kansas to study at our engineering schools under these faculty members. More importantly, the students and faculty members are the ones who will develop new technologies, new products, new solutions to the world's problems. We want them to create new companies to commercialize these technologies, products and solutions. And we want them to do all of this here in Kansas. The University Engineering Initiative Act will help make this a reality.

And, if we are successful in growing this industry, it will help improve the quality of life for every Kansan, not just engineers. Engineering students, newly graduated engineers from our universities, and world-renown faculty members will demand high-quality services and amenities, such as world class arts and cultural venues, schools and universities. More importantly, they will contribute to the State's tax base to pay for such amenities and services. The average starting salary for a graduate with a B.S. in engineering in 2001 is \$62,091. All Kansans will benefit from this investment.

Further, this legislation is not geographically focused. It will provide benefit to not only Wichita, Manhattan and Lawrence, but across the state in many industries.

This proposed investment in engineering will help lead Kansas to an economic recovery that is focused on the future vitality and economic health of the state and its citizens. Engineering, science, innovation, health care, aviation and related fields are the exact industries Kansas should be investing in now and in the future because they are vital to our economy, and to the national economy, and are only going to become more so over time. As we have seen over the last few

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Attachment 5-2

Testimony of Jason Dalen In support of Senate Substitute for HB 2149 Page 3 of 3 April 21, 2011

years, these industries and job sectors also are likely to weather any future recessions better than most industries.

The Civic Council strongly encourages you to support SB 235. Thank you for your consideration of these matters. Please contact Jason Dalen, Assistant Director, Civic Council of Greater Kansas City, 816-221-2263 or Sandy Braden, Gaches, Braden and Associates, 785-233-4512, for additional information or questions.

Respectfully submitted by,

Jason S. Dalen Associate Director The Civic Council of Greater Kansas City 1200 Main Street, Suite 230 Kansas City, Missouri 64105

Appropriations Committee

Attachment <u>S-3</u>

Phil Straub, Vice President of Aviation Engineering Garmin International Testimony in Support of Senate Sub for HB 2149 April 27, 2011 House Appropriations Committee

Mr. Chairman, Members of the Committee, I am Phil Straub and I am the Vice President of Aviation Engineering at Garmin International. I am pleased to appear before you today in support of House Bill 2149, the Kansas Engineering Initiative.

Garmin is headquartered in Olathe, Kansas and we design, manufacture, and market navigation equipment and applications that are used throughout the world. We have sold more than 82 million GPS-enabled devices to pilots, boaters, the military, emergency responders, hikers, hunters, athletes, and motorists around the world. We employ approximately 2,730 associates (more than 1200 of them in engineering roles) in the state of Kansas, and over 8,700 associates globally.

- 1. If our company is to grow and prosper here in Kansas, we need a steady supply of trained engineers. Garmin has hired more than 135 engineers from Kansas State, 129 from Kansas, and 16 from Wichita State. That's 280 Kansas-trained engineers in all, and 85 in the last three years alone, and we continue to hire key engineering talent despite the economic recession.
- 2. As a high-tech company located in the Midwest, we are forced to compete with other technology companies located in Silicon Valley and elsewhere for engineering talent. While Kansas university engineering graduates understand the benefits of living in the Midwest, it's sometimes difficult to lure out-of-state engineering students to this part of the country. We need as much home-grown talent as we can get.
- 3. Because Garmin has not been able to successfully recruit enough top-performing students with hands-on experience to design the products we make, we have been forced to open a number of satellite offices in other states. In total, those out-of-state facilities employ nearly 500 associates and 320 engineers. The state of Kansas misses out on the tax revenues associated with those employees and the facilities that house them.
- 4. Garmin has long recognized this issue, and we have actively supported engineering recruitment programs over the years. We are a Corporate Partner with both Kansas State University and Kansas University, helping these schools hire personnel and improve their facilities.

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5. Furthermore, Garmin has its own scholarship program in place to help attract students to the field of engineering. Endowed with \$10 million, the Dr. Min Kao Family Foundation annually offers 100 scholarships worth \$5,000 per year per engineering student. In addition, scholarship recipients are given first consideration for one of more than 75 annual paid internship opportunities at Garmin – a package worth up to \$20,000 per year to each recipient.

Despite these efforts, demand continues to outstrip supply at our state's three engineering schools, which are already performing at full capacity. For these reasons, Garmin urges your favorable consideration for Senate Substitute for HB 2149. I would be happy to answer questions now or at the appropriate time.

Date April 21, 2011
Attachment 6-2



Testimony of Keith Warta, President of Bartlett & West, Inc. In Support of Senate Sub for HB 2149: Engineering Initiatives Act Before the House Appropriations Committee Wednesday, April 27, 2011

Thank you, Chairman Rhoades, for this opportunity to support enactment of Senate Substitute for House Bill 2149 (the Engineering Initiatives Act).

I am a Kansan and a licensed Professional Engineer. I am also the president of Bartlett & West, an engineering and technology solutions company. During my tenure at Bartlett & West I have come to understand the economic benefits that the engineering profession provides our state. As evidence, Bartlett & West was established in Topeka 60 years ago by two engineers and today operates across the country with ten offices spanning from North Dakota to Texas. A national publication recently recognized our company as one of the 250 largest design firms in the U.S. Right now, Bartlett & West engineers in Topeka are designing water treatment facilities in North Dakota, overseeing construction in Louisiana for a major railroad and providing design-build services for a fueling facility in Colorado - amongst many other projects.

Our revenue growth over the years, which has benefited the state of Kansas, has been fueled by highly skilled technologists, particularly engineers. We have depended on Kansas engineering graduates to drive our growth. Without the steady supply of new engineering graduates our company would not have been able to grow to its current magnitude and without an expansion of more graduates our prospects for grow are jeopardized.

As an engineering graduate from both the University of Kansas and Kansas State University, I can vouch for the excellence of the local engineering programs and the value that they bring to our state by producing graduates who are in high demand by science and technology firms currently in our state and those looking to locate here.

The Engineering Initiatives Act will help address the most important workforce issue confronting our state - the availability of highly trained engineers. This availability is essential to almost every part of the Kansas economy; manufacturing, processing, aviation, energy, agriculture, and it is a necessary component of providing infrastructure that supports the health and safety of Kansans.

I urge you to support this very important bill.

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1200 SW EXECUTIVE DRIVE TOPEKA KS 66615-3850 785.272.2252 # FAX 785.272,6904 # 888.200.6464	Appropriations Committee	. //
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Building a Better Kansas Since 1934

200 SW 33rd St. Topeka, KS 66611 785-266-4015

TESTIMONY OF ASSOCIATED GENERAL CONTRACTORS OF KANSAS BEFORE HOUSE COMMITTEE ON APPROPRIATIONS HB 2149

April 27, 2011

By Corey Peterson, Associated General Contractors of Kansas, Inc.

Mister Chairman and members of the committee, my name is Corey Peterson. I am Executive Vice President of the Associated General Contractors of Kansas, Inc. The AGC of Kansas is a trade association representing the commercial building construction industry, including general contractors, subcontractors and suppliers in Kansas (with the exception of Johnson and Wyandotte counties).

AGC of Kansas supports House Bill 2149 and asks that you report it favorably for passage.

Engineering is behind everything in our lives today. It is critical to construction as well as the manufacturing industries on which Kansas relies so heavily. To have the ability to increase the number of engineers coming out of Kansas is crucial.

AGC of Kansas has placed developing the future workforce as a top priority. The baby boomers are retiring and there are not enough young people coming into the construction industry to take their place. Craftsperson and managers have been AGC's focus, but the same could be said for engineers.

While I can only speak from the perspective of construction, we are fortunate to have universities in Kansas having engineering departments that are considered to be among the best in the country. To maintain and even improve this status, along with increasing capacity, it is essential that additional investment be made. HB 2149 will go a long way in providing this investment and will build on a strong foundation already in place.

Please vote HB 2149 favorably for passage.

Thank you for your consideration.

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