Thursday, November 19 - 8:00 A.M.
Carolina Inn

OPEN SESSION

1. Convene Meeting
2. Roll Call
3. Consent Agenda
   a. Approval of September 2015 Minutes (Regular Meeting) (Tab 1)
   b. Ratification of Mail Ballot dated October 21, 2015 (Tab 2)
   c. Ratification of Mail Ballot dated October 28, 2015 (Tab 3)
4. Chair’s Remarks
5. Student Body President’s Remarks
6. Chancellor’s Remarks
7. Matthew Gfeller Sport-Related Traumatic Brain Injury Research Center – Kevin Guskiewicz, Co-Director, and Senior Associate Dean for Natural Sciences
8. Connect NC Bond Act of 2015 – Representative Dean Arp, NC House of Representatives
9. Report of the Commercialization & Economic Development Committee
10. Report of the External Relations Committee
11. Report of the Finance & Infrastructure Committee
12. Report of the University Affairs Committee

CLOSED SESSION

14. *Report of the University Affairs Committee
15. *Legal Advice

OPEN SESSION

16. Report of the External Relations Committee
17. Report of the University Affairs Committee
18. Adjournment

*Some of the business to be conducted is authorized by the N.C. Open Meetings Law to be conducted in closed session.
The Board of Trustees met in regular session on Thursday, October 1, 2015 in the Kenan Center Dining Room. Chair Stone convened the meeting at 8:03 a.m.

ROLL CALL
Secretary Duckett called the roll and the following members were present:

- Dwight D. Stone, Chair
- Haywood D. Cochrane, Vice Chair
- Charles G. Duckett, Secretary
- Jefferson W. Brown
- W. Lowry Caudill, Past Chair
- Donald Williams Curtis
- Julia Sprunt Grumbles
- Kelly Matthews Hopkins
- William A. Keyes IV
- Allie Ray McCullen
- William E. McMahan
- Hari H. Nath
- Houston L. Summers

CONSENT AGENDA

Approval of Minutes and Mail Ballots
On motion of Chair Stone and duly seconded, the minutes of the meeting of July 23, 2015 were approved as distributed; as were the ratifications of the following mail ballots dated:

- August 21st - Personnel actions, actions conferring tenure, and compensation actions
- September 24th - Appointments to the Board of Trustees of the Endowment Fund and UNC Chapel Hill Foundation Board of Directors

(ATTACHMENT A)

ACC GOVERNING BOARD CERTIFICATION 2015-2016
Chair Stone read the annual ACC Governing Board Certification for the 2015-2016 school year. The agreement was then signed by Chancellor Folt and Chair Stone.

(ATTACHMENT B)

CHAIR’S REMARKS

- Chair Stone began his remarks by welcoming everyone to the meeting, and acknowledging the support he has received since being elected chair at the July meeting.
- Thanked the committee chairs and members for their hard work so far this year.
- Reminded everyone of the four Board goals for 2015-2016:
  - Support Chancellor Folt and her senior leaders as they formulate and implement a new strategic plan;
  - Tell our story: Carolina improves the lives of people across North Carolina, our nation, and our world;
  - Accelerate, measure and communicate the growth and economic impact of our innovation and entrepreneurship initiatives; and
  - Help Carolina become more efficient in key operational areas, particularly finance, administration, teaching and research.
- Chair Stone then spoke on some of the events that he has attended over the last few weeks.
  - For the second consecutive year he represented the Board at the kick-off event for C-STEP (Carolina Student Transfer Excellence Program), which helps low-to moderate-income students who transfer from a partner community college.
    - Praised the leadership of Vice Provost for Undergraduate Admissions
Steve Farmer and C-STEP Director Rebecca Egbert.

- Attended a luncheon for the Carolina Advising Corp led by Steve Farmer and Yolanda Keith.
- Last Friday, attended an Endowed Scholarship Dinner hosted by the Educational Foundation for UNC student athletes.
  - Chair Stone shared a quote from Vanessa Wittman, former tennis player and currently the CFO of Dropbox, Inc. Her quote was “get comfortable with being uncomfortable”.

- Highlighted some of the recent rankings released in U.S. News and World Report “America’s Best Colleges”.
  - Carolina is #5 among national public universities for the 15th year in a row.
  - Tied for 30th overall with both privates and publics.
  - 1st among publics in the “Great Schools, Great Prices” category (academic quality and net cost of attendance) for the 11th consecutive year.

- Chair Stone remarked that Carolina’s ongoing success in maintaining its top 5 public status is an important indication of sustained quality. It’s just one recent example of highly positive national recognition the University is receiving under the leadership of Chancellor Folt.

- Chair Stone continued and thanked the trustees for their hard work in the recent weeks and months in helping articulate the University’s needs and value to North Carolinians during the budget deliberations that recently came to a closure.

- He emphasized that these efforts came in coordination with Chancellor Folt, her leadership team and the Board of Governors.

- To conclude, Chair Stone remarked that one clear reason why the efforts our board members have been making to communicate with our legislators have resonated is because of the excellent work Chancellor Folt and her team are doing to advance the University.

[A copy of these remarks is located in the Office of the Assistant Secretary and at bot.unc.edu.]

**STUDENT BODY PRESIDENT’S REMARKS**

- Student Body President Houston Summers began his remarks by highlighting some of his recent activities.
  - Met with Vice Chancellor Matt Fajack about Student Stores and scooter parking on campus.
  - Spoke with Michael Morrison and the National Pan-Hellenic Council about plots on campus.
  - Continued to work with the Carolina Conversations committee and began drafting a mission statement.
  - Provided tours and attended lunches and forums for candidates for the Deanship of the College of Arts and Sciences.
  - Met many times with Mayor Mark Kleinschmidt to discuss town relations, student housing, and voter engagement.
  - Spoke to the Parent’s Council as well as the Governor’s Cabinet about a new mental health program that could benefit the entire UNC System.
  - Recently, they held two Student Government orientations. About 2.1% of the undergraduate student population is now engaged with unique positions throughout Student Government.
  - Lastly, Trustee Summers spoke about his meetings for “The Shirt”. This is a model that is done at Notre Dame and he is hoping to have students involved with the Athletics Department to bring this to life. At Notre Dame, they have raised over $21 million that goes back to students and student programs.
CHANCELLOR’S REMARKS

• Chancellor Folt began her remarks by giving highlights of the opening weekend of the semester. This year’s Convocation was one of the most highly-attended, and the weather for Fallfest was perfect.

• She continued and highlighted some of the items from yesterday’s committee meetings including the strategic plan for the University, philanthropy, teaching revolutions through STEM education, and research.

• Remarked on how honored she was to be able to meet Professor Stephen Hawking this past summer in Stockholm, Sweden.
  o The conference was organized by UNC Associate Professor Laura Mersini-Houghton.
  o They were able to present Professor Hawking with a scarf designed by Alexander Julian that he wore to meet with the King.
  o Chancellor Folt explained that this type of conference on this specific topic wouldn’t happen again.

• Chancellor Folt then gave an overview of some of the recent campus news.
  o Barbara Rimer, Dean of the Gillings School of Global Public Health was nominated by President Obama to chair the President’s Cancer Panel for a third term.
  o Students from the Dental School organized the “Deah Day of Service” to honor Deah Barakat, Yusor Abu-Salha and Razon.
  o The Eshelman School of Pharmacy will host a Structural Genomic Consortium that will encourage a widespread and unrestricted use of its findings to accelerate discovery of breakthrough medicines for diseases ranging from cancer to rheumatoid arthritis to Alzheimer’s.
  o School of Medicine researchers have pinpointed how a gene linked to autism changes the brain. Dr. Mark Zylka, who presented at the January 2014 meeting, was one of those researchers.
  o Awarded more than $800,000 in study abroad support to 182 students.
  o Earlier this week, Joe DeSimone received the $250,000 Kabiller Prize in nanoscience and nanomedicine from Northwestern.

• Thanked the legislature for their commitment to the UNC system. This included some of the following provisions:
  o Temporary increase for UNC Carryforward
  o Bond bill which includes $68M for Berryhill Hall, a medical education building replacement project
  o $1M in recurring funds for UNC Core course development
  o $1M recurring for a medical scholars program for students who want to practice in rural areas
  o $8M recurring for MAHEC

• Chancellor Folt gave a follow up to the Wainstein report by sharing updates on two faculty led committees:
  o Ethics and Integrity – Chaired by Norma Houston from the School of Government & Jean Elia from the Provost’s Office
  o Policy & Procedure Audit – Chaired by Todd Nicolet from the School of Government

• Chancellor Folt continued by sharing info on the co-chairs of the Task Force on UNC-CH History that was created from a resolution passed by the Board of Trustees in May 2015. The three co-chairs are Jim Leloudis, Associate Dean for Honors and Professor of
History, Winston Crisp, Vice Chancellor for Student Affairs, and Amy Hertel, Director of the American Indian Center.

- Announced that Mary Sue Coleman, former president at the University of Michigan (2002-2014) and the University of Iowa (1995-2002), is the new president of the AAU. Mary Sue earned her Ph.D. in biochemistry from Carolina in 1969 and also served as Vice Chancellor for Research and Graduate Education at UNC Chapel Hill.
- Chancellor Folt previewed University Day which will be on Monday, October 12th. This will be UNC’s 222nd birthday.
- Chancellor Folt ended her remarks by introducing the presenters.

[A copy of these remarks is located in the Office of the Assistant Secretary and at bot.unc.edu.]

**BIOMEDICAL ENGINEERING: BRIDGING TRADITIONAL ACADEMIC AND RESEARCH BOUNDARIES**

Chancellor Carol Folt introduced Nancy Allbritton, Professor and Chair of the UNC/NCSU Joint Department in Biomedical Engineering (BME). Dr. Allbritton brought along two students with her, Michaela Rickard, an undergraduate BME student at NCSU, and John Larson, an undergraduate BME student at UNC. Dr. Allbritton explained how BME bridges boundaries and brings UNC and NCSU together. BME also attracts large-scale collaborative funding from the NIH, and donor funding that is helping to build the next generation of student entrepreneurs. She then showed a clip of alumnus Jeff Powell who 3D printed a hand for a little boy who was born without fully formed fingers on his left hand. Dr. Allbritton then turned it over to Ms. Rickard who explained the core values of the program and how the collaboration makes this a unique program in the United States. Mr. Larson then went on to explain the three pillars of a successful BME program: academic excellence, community, and professional development. Following their presentation, Dr. Allbritton and the students entertained questions from the Board. This presentation can be found on bot.unc.edu and on file in the Office of the Assistant Secretary.

**INNOVATION AND ENTREPRENEURSHIP**

Chancellor Folt introduced Judith Cone, Interim Vice Chancellor for Commercialization and Economic Development and Special Assistant to the Chancellor for Innovation and Entrepreneurship to give a presentation on innovation at Carolina. Ms. Cone began by explaining the challenges and goals for innovation at Carolina and where we currently stand. The impact of innovation at UNC is seen worldwide through entrepreneurially minded faculty, staff, and students. UNC business startups contribute a great deal to North Carolina’s economy. There are currently over 150 startups in NC which have created over 38,000 jobs and generated $7 billion in annual revenue. Recently, UNC was ranked the number 15 most innovative university by Thomson Reuters.

Ms. Cone then introduced Dr. Shawn Hingten from the UNC Eshelman School of Pharmacy to explain his stem-cell based therapeutic approach to fighting cancer. Dr. Hingten’s work focuses on the challenges of treating glioblastoma (GBM), a common form of primary brain cancer. Through his work they have been able to utilize stem cells to carry drugs directly to cancer cells and help treat GBM. Next, Ms. Cone introduced 2011 alumna, Shruti Shah, who co-founded Move Loot. During her time at UNC, Ms. Shah was president of the Chancellor’s Student Innovation Team and also helped work on the Innovate Carolina Roadmap. Ms. Shah got the idea for Move Loot when she saw an opportunity to make the moving process easier and to help reduce the amount of furniture waste ending up in landfills. With Move Loot you can buy and sell your furniture online through their website. The furniture is then picked up or shipped to you. They currently have over 100,000 buyers and sellers in six cities, and over 150 employees. Since 2014, Move Loot has helped to divert 605 tons of trash from landfills.
Following the presentation, Ms. Cone, Dr. Hingten, and Ms. Shah entertained questions from the Board. This presentation can be found on bot.unc.edu and on file in the Office of the Assistant Secretary.

REPORT FROM THE COMMERCIALIZATION & ECONOMIC DEVELOPMENT COMMITTEE
Trustee Caudill presented a review of the Commercialization and Economic Development Committee meeting. There were no action items for this committee in open session. Trustee Caudill then shared the items presented for information:

- Overview of the Chancellor’s Innovation Summit given by Dana McMahan, Professor of the Practice in the School of Media and Journalism
- Overview and goals for Commercialization and Economic Development given by Judith Cone, Interim Vice Chancellor for Commercialization and Economic Development and Special Assistant to the Chancellor for Innovation and Entrepreneurship
- Lastly, they heard a presentation on the Reese News Lab given by John Clark, Lecturer and Director in the School of Media and Journalism

A full review of the committee meeting may be found in the committee minutes in the Office of the Assistant Secretary, and at bot.unc.edu.

REPORT OF THE EXTERNAL RELATIONS COMMITTEE
Trustee Hopkins presented a review of the External Relations Committee meeting. There were no action items for this committee in open session. Trustee Hopkins then shared the items presented for information:

- Community Relations Update from Linda Convissor, Director of Community Relations
- Legislative Update from Jennifer Willis, Director of Public Affairs
- Federal Affairs Update from Beau Mills, Director of Federal Affairs
- Communications Update given by Joel Curran, Vice Chancellor for Communications and Public Affairs
- Development report given by David Routh, Vice Chancellor for University Development

A full review of the committee meeting may be found in the committee minutes in the Office of the Assistant Secretary, and at bot.unc.edu.

REPORT OF THE FINANCE & INFRASTRUCTURE COMMITTEE
Vice Chair Cochrane presented the report from the Finance and Infrastructure Committee. The following items were approved as part of the consent agenda:

- 2015-2016 Audit Plan for Approval:
  - Phyllis Petree, Director of Internal Audit presented the 2015-2016 Audit Plan for approval. Each year, the Internal Audit Department develops an audit work plan based on a university-wide assessment of risk. These plans on risk help ensure that audit resources are allocated effectively and efficiently. Revisions are made throughout the year based on changes at the University and in higher education.

- Disposition – Utility Easement to the Town of Pittsboro:
  - This request is for approval to authorize permanent disposition by easement of approximately 0.27 acres of University property to the Town of Pittsboro. This easement will provide for the ongoing maintenance of a sanitary sewer pump station owned and operated by the Town of Pittsboro and serving the University’s Carolina Living and Learning Center. The Carolina Living and Learning Center (CLLC) is an integrated vocational and residential program of the UNC-CH
School of Medicine for adults with autism located in Pittsboro. The permanent easement will be in place for as long as the Town of Pittsboro continues to use the property for this purpose.

(ATTACHMENT E)

A motion was made from committee to approve the consent agenda items, it was seconded by Trustee Keyes and passed unanimously.

Vice Chair Cochrane continued with one final item for approval:

- Designer Selection – Parking and Transportation Five-Year Plan:
  - The Five-Year Plan will evaluate the University’s existing parking and transportation operations and programs, develop plans and strategies to address University and UNC Health Care short-term development and programmatic growth, identify operational efficiencies and opportunities for transportation and parking services, develop financial models to support transportation and parking services and develop programmatic strategies for the next 5-7 years. The project budget is $150,000 and will be funded by University funds.

This project was advertised on July 27, 2015. Three (3) proposals were received. Three (3) firms were interviewed on August 26, 2015. Members of the Board of Trustees did not participate in the interviews. The committee recommended the selection of the three firms in the following priority order:

1. Kimley Horn Raleigh, NC
2. VHB Raleigh, NC
3. Chance Management Philadelphia, PA

The firms were selected for their past performance on similar projects, strength of their consultant team and experience with campus projects.

A motion was made from committee to approve these firms in the above priority order, it was seconded by Trustee Keyes, and passed.

(ATTACHMENT F)

Vice Chair Cochrane shared that a resolution of appreciation for Bruce Runberg, Associate Vice Chancellor for Facilities Services was shared and approved at yesterday’s meeting.

Vice Chair Cochrane briefly reviewed the other items presented to committee for information only:

- Internal Audit Report given by Phyllis Petree, Director of Internal Audit (ATTACHMENT G)
- Development Report given by David Routh, Vice Chancellor for University Development (see attachment C in the External Relations report)
- Financial Update given by Matt Fajack, Vice Chancellor for Finance and Administration (ATTACHMENT H)
- Financing Update given by Brian Smith, Assistant Vice Chancellor for Financial and Accounting Operations
- University Master Plan Presentation given by Anna Wu, Assistant Vice Chancellor for Facilities Operations, Planning and Design (ATTACHMENT I)

A full review of the committee meeting may be found in the committee minutes in the Office of the Assistant Secretary, and at bot.unc.edu.
REPORT OF THE UNIVERSITY AFFAIRS COMMITTEE
Secretary Duckett presented the report from the University Affairs Committee. There were no action items for this committee in open session. Secretary Duckett continued and shared the items presented for information:

- Graduate and Professional Student Federation Update given by Brandon Linz, President
- Employee Forum Update given by Charles Streeter, Chair of the Employee Forum
- Faculty Update given by Peter Mucha, Acting Chair of the Faculty
- Campus Update given by Winston Crisp, Vice Chancellor for Student Affairs
- Presentation on the Intercollegiate Athletics Report given by Jim Dean, Executive Vice Chancellor and Provost (ATTACHMENT J)
- STEM Quality Enhancement Plan given by Ron Strauss, Executive Vice Provost and Chief International Officer; Kevin Guskiewicz, Senior Associate Dean for Natural Sciences; and Leslie Parise, Professor and Chair of Biochemistry and Biophysics

A full review of the committee meeting may be found in the committee minutes in the Office of the Assistant Secretary, and at bot.unc.edu.

MOTION TO CONVENE IN CLOSED SESSION
On motion of Secretary Duckett, and duly seconded, the Board voted to convene in closed session pursuant to North Carolina General Statutes Section 143-318.11 (a) (1) (to prevent the disclosure of privileged information under Section 126-22 and the following); and also pursuant to Section 143-318.11 (a) (2), (3), (5), and (6).

RECONVENE MEETING IN OPEN SESSION
Chair Stone reconvened the meeting in open session.

OPEN SESSION

REPORT OF THE UNIVERSITY AFFAIRS COMMITTEE
Secretary Duckett referred the members to the personnel matters submitted for review. A motion to approve the actions was made; it was duly seconded, and passed. Chair Stone stated that the personnel and salary actions voted on in open session had been distributed. (ATTACHMENT K)

ADJOURNMENT
There being no further business to come before the Board, Chair Stone called for a motion to adjourn. The motion was made by Trustee Keyes, seconded by Trustee Duckett and passed. Chair Stone adjourned the meeting at 1:42 p.m.

Dwayne Pinkney, Assistant Secretary
MEMORANDUM

TO: Members of the Board of Trustees

FROM: Carol L. Folt

RE: Mail Ballot

DATE: October 21, 2015

You have authorized my office to poll you by mail concerning personnel matters which require attention by the Board. Accordingly, we are transmitting to you herewith personnel actions as follows:

EPA Faculty Compensation & Tenure Actions Attachment A

Please mark and return the enclosed mail ballot indicating whether or not you agree with the actions proposed. Thank you.
<table>
<thead>
<tr>
<th>No.</th>
<th>College/Division</th>
<th>Name</th>
<th>Dept./School</th>
<th>Current Rank</th>
<th>New Rank</th>
<th>Tenure Request Reason</th>
<th>Effective Date</th>
<th>Salary</th>
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<tbody>
<tr>
<td>1</td>
<td>Academic Affairs</td>
<td>Rosa Tamara Branca</td>
<td>Physics &amp; Astronomy</td>
<td>Assistant Professor</td>
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<td>Promotion to Full Professor</td>
<td>1/1/2017</td>
<td>$103,980.00</td>
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<td>2</td>
<td>Health Affairs</td>
<td>Samir Kelada</td>
<td>Genetics</td>
<td>Assistant Professor</td>
<td>Assistant Professor</td>
<td>Reappointments to the same Rank</td>
<td>9/1/2016</td>
<td>$134,090.00</td>
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<td>Health Affairs</td>
<td>Jane Brice</td>
<td>Emergency Medicine</td>
<td>Professor</td>
<td>Chair</td>
<td>Designation/Reappointments to Departmental Chair</td>
<td>7/1/2015</td>
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<td>Radiology</td>
<td>Distinguished Professor</td>
<td>James H. Scatliff Distinguished Professor</td>
<td>Designation/Reappointments to Distinguished Professorship</td>
<td>10/23/2015</td>
<td>$325,000.00</td>
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<td>Paul Godley</td>
<td>Medicine</td>
<td>Professor</td>
<td>Ruth S. Dickson Distinguished Professor</td>
<td>12/1/2015</td>
<td>$229,900.00</td>
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<td>Health Affairs</td>
<td>William Kim</td>
<td>Medicine</td>
<td>Associate Professor</td>
<td>Ruth S. Dickson Distinguished Associate Professor</td>
<td>12/1/2015</td>
<td>$216,600.00</td>
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<td>Promotion Conferring Tenure</td>
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<td>New Appointments Conferring Tenure</td>
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## Compensation Actions

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<th>Department</th>
<th>Rank</th>
<th>Reason</th>
<th>Requested Amount of Increase **</th>
<th>Percent of Increase **</th>
<th>June 30 Salary</th>
<th>Current Salary</th>
<th>New Salary</th>
<th>Effective Date</th>
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<td>Emma Allott</td>
<td>Public Health</td>
<td>Nutrition</td>
<td>Post Doc Research Associate</td>
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<td>$28,000</td>
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<td>Robert Anderson</td>
<td>Arts and Sciences</td>
<td>Romance Studies</td>
<td>Lecturer</td>
<td>Increase due to new secondary administrative appointment as Language Across the Curriculum (LAC) Program Coordinator</td>
<td>$15,000</td>
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<td>$60,000</td>
<td>1/1/2016</td>
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<td>Health Affairs</td>
<td>Julie Marchesan</td>
<td>Dentistry</td>
<td>Periodontology</td>
<td>Post Doc</td>
<td>Increase due to new faculty appointment as Research Assistant Professor via external competitive event</td>
<td>$31,000</td>
<td>56.36%</td>
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<td>$55,000</td>
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<td>Medicine</td>
<td>Pediatrics</td>
<td>Professor</td>
<td>Increase due to new secondary administrative appointment as Division Chief for Pediatric Pulmonology</td>
<td>$30,495</td>
<td>12.20%</td>
<td>$249,903</td>
<td>$260,398</td>
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** Based on cumulative increase(s) to 6/30 salary

### Non-Salary Compensation Actions

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<td>N/A</td>
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</table>

Page 11/122
Chancellor Carol Folt submits for your review and approval the EPA Faculty personnel salary and compensation actions as recommended for October 2015. This mail ballot will be approved as part of the consent agenda at the Full Board meeting on Thursday, November 19, 2015.

The undersigned votes as follows with recommendation to these proposed actions as presented by the Chancellor.

<table>
<thead>
<tr>
<th></th>
<th>Approve</th>
<th>Disapprove</th>
</tr>
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<tbody>
<tr>
<td>EPA Faculty Salary Increases and Tenure Promotions</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

(Attachment A)

Please fax to TJ Scott at (919) 962-1647 or email at tj_scott@unc.edu

This ballot was approved by majority vote on October 23, 2015 by the following trustees: Dwight Stone, Haywood Cochrane, Chuck Duckett, Lowry Caudill, Julia Grumbles, Bill Keyes, Allie Ray McCullen, Ed McMahan, and Houston Summers.
TO: Members of the Board of Trustees
FROM: Carol L. Folt
RE: Personnel Mail Ballot
DATE: October 28, 2015

You have authorized me to poll you by mail ballot concerning personnel matters which require the immediate attention of the Board.

I am seeking approval to appoint Dr. Kevin Guskiewicz as Dean of the College of Arts and Sciences. The appointment is effective January 1, 2016. Attached is the formal offer letter and a copy of Dr. Guskiewicz’s CV.

Please complete the attached mail ballot and return to TJ Scott at your earliest convenience.
October 26, 2015

Kevin M. Gusiewicz, PhD  
College of Arts and Sciences  
205 South Building, CB #3100  
UNC Chapel Hill 27599-3100

Dear Dr. Gusiewicz:

I am pleased to write this letter to request your permission to put your name forward for the position of Dean of the College of Arts and Sciences at The University of North Carolina at Chapel Hill on the terms and conditions outlined herein. Subject to the approval of the Board of Trustees, your appointment will be effective January 1, 2016.

Your initial twelve month salary will be $302,500 which includes your $23,500 professorship stipend, plus a $40,000 administrative supplement for the Dean’s position, for a total of $342,500 annual salary. Your salary will be reviewed at least annually, subject to the compensation policies of the Board of Trustees and Board of Governors. Your appointment will report to the Chancellor with administrative assignment to the Executive Vice Chancellor and Provost, and you will be a member of the Chancellor’s Cabinet. This will be an “at will” appointment of indeterminate length with a review every five years and subject to continuation or discontinuation at the discretion of the Chancellor.

You will have a reserved parking space subject to the usual costs for parking on campus. You will receive two season tickets to the men’s football and men’s basketball games. The basketball tickets will be in the Ring Section where the other deans are positioned. Please note that the tickets are considered taxable income.

This appointment is subject to the “Employment Policies for EPA Non-faculty Tier I Senior Academic and Administrative Officer Employees of the University of North Carolina at Chapel Hill” as originally adopted and as they may be periodically revised from time to time. According to the Policies, you will be entitled to 26 days of annual leave per year. Sick leave is earned at the rate of 1 day per month or 12 days per year. On December 31 of each year, any annual leave accrued in excess of 30 days will automatically be converted to sick leave. There is no limit to the amount of sick leave you may accrue. The full Policies are available for reference online at http://hr.sites.unc.edu/files/2012/11/Employment-Policies-for-EPA-Non-Faculty%C2%A0Tier-I-SAAA0.pdf.

This appointment is contingent upon the successful completion of the required Background Check.
You will maintain your tenured faculty position as distinguished professor in the Department of Exercise and Sports Science. At the end of your deanship, you will retreat to your tenured faculty appointment in accordance with the provisions of the "Separation and Retreat Policy for Senior Academic and Administrative Officers (as Amended, 05/02/2010) available for reference online at [http://hr.unc.edu/policies-procedures-systems/epa-non-faculty-employee-policies/appointment-and-end-of-appointment/separation-and-retreat-policy-for-senior-academic-and-administrative-officers/](http://hr.unc.edu/policies-procedures-systems/epa-non-faculty-employee-policies/appointment-and-end-of-appointment/separation-and-retreat-policy-for-senior-academic-and-administrative-officers/). To determine your base salary when you return to a faculty position, your 12-month salary at the time (excluding your distinguished professorship stipend), minus the administrative supplement, will be divided by 12 and multiplied by 9. Your professorship salary will remain subject to the conditions of its award and duration.

I look forward with great enthusiasm to our working together and offer congratulations to you. As we have discussed, I realize the importance of sustaining your research program and the need to engage a postdoctoral fellow to ensure its continued progress. We will discuss the funding model for this postdoc soon.

If you agree to these terms, please sign and return this copy of the letter at your earliest convenience. We can then move forward with the first phase of the approval process with our Board of Trustees.

Sincerely,

James W. Dean, Jr.
Executive Vice Chancellor and Provost

Enclosure: Employment Policies for EPA Non-faculty Tier I SAAO Employees
Form AP-2a (Non-faculty)

Acknowledgement and Acceptance by Appointee:

Name: [Signature]
Date: 10-27-15

cc: Personnel File
EPA Non-faculty Human Resources
The University of North Carolina at Chapel Hill

FACULTY APPOINTEE CERTIFICATIONS AND CONDITIONS OF EMPLOYMENT (PAGE 1 OF 3 PAGES)

Appointee’s Full Name: KEVIN MICHAEL GUSKIEWICZ
Primary Rank Title: Dean
Base Department / Name: College of Arts & Sciences

In order to receive an appointment with the University of North Carolina at Chapel Hill, you must agree to the following conditions of employment:

1. Federal law requires each new employee to complete the “Employee Information and Verification” section of the Federal Immigration Service Form I-9 and to submit certain original documents for examination in order to verify and certify identification and employment eligibility. The University requires the completion of these requirements no later than three (3) business days of the employee’s first day of work counting the first day.

2. In compliance with North Carolina law, the University verifies each employee’s legal status or authorization to work in the United States after hiring using the Department of Homeland Security’s Basic Pilot Program. Your employment will be terminated if you fail to comply with the employment authorization requirements or if it is determined that you are not authorized to work in the United States.

3. North Carolina law requires notice to every applicant for state employment that willfully providing false or misleading information or failing to disclose relevant information shall be grounds for rejection of an application or later disciplinary action or criminal prosecution. Dismissal from employment shall be mandatory in any case in which a false or misleading representation is made in order to meet position qualifications. The employer is required by law to verify an applicant’s representations about credentials and other qualifications relevant to employment. By executing this document, you authorize the release to The University of North Carolina at Chapel Hill of any document or information within the possession of a third party, such as an educational institution or licensure board, that may serve to verify any representations made by you on this Form AP2a and on the University’s “Recommendation for EPA Personnel Action” (Form AP-2) which must also be completed prior to employment.

4. The University will complete a criminal conviction check prior to the appointee’s first scheduled day of work. A criminal conviction does not in and of itself prevent an applicant from being employed by the University. The nature of some convictions, however, may cause certain positions to be unavailable to you. Failure to completely disclose information about a criminal conviction or plea on an employment application is considered falsification of the employment application and will result in the applicant not being eligible for employment at the University. All permanent and temporary faculty and staff of the University including post-doctoral scholars, medical fellows and adjunct faculty are required to report any criminal convictions within five business days of the conviction or other covered criminal disposition or at the first possible opportunity if the employee is incarcerated. The employee is required to report this information to the Employee and Management Relations Department of the Office of Human Resources or, at the employee’s option, to his/her Supervisor or Department Head. A willful failure to report a criminal conviction or to cooperate with University authorities in regards to a reportable matter under this policy may subject the employee to appropriate disciplinary action, up to and including termination of University employment. The full text of this policy may be viewed at http://hr.unc.edu/policies-procedures-guidelines/spa-employee-policies/employment/CCM3_025868.

5. The University requires all of its employees hired on or after July 1, 1999 to be paid by “direct deposit” into a bank or credit union account. In order to satisfy this requirement, you understand you must submit the direct payroll deposit authorization (Form PR-8) to the University Payroll Department by the end of your first workweek. Your signature below certifies that you understand you will not receive a paycheck from the University until the appropriate payroll forms have been completed and submitted.

Appointee Initials: KMG Date: 10-27-15

Revised 11/5/2014 Form AP-2a (Faculty)
6. You understand that you are required to provide your U.S. Social Security Number (if one has been issued to you) so the University can satisfy its income-reporting and withholding obligations under North Carolina and federal laws. Unless this sentence is marked through and initialed by you, you voluntarily permit the use of your social security number for internal record keeping and information management operations. However, you understand you will be randomly assigned a University-generated personal identification number (PID) which the University will instead use whenever possible.

7. Consistent with any applicable wage-hour laws, you authorize the University to withhold from your final paycheck the cost of any State-owned property you fail to return when your appointment ends. You also authorize the University to withhold from your final paycheck the amount of any other debt you owe to the University.

8. You understand that you are required to comply with the University's Department of Environment, Health and Safety (EH&S) policies and procedures regarding vaccines, medical surveillance or other required safety training within the first 10 days of your employment. Information regarding these policies and procedures is available on the web at: [http://www.ehs.unc.edu/manuals/ehsmanual/docs/5appendixb.pdf](http://www.ehs.unc.edu/manuals/ehsmanual/docs/5appendixb.pdf) or may be obtained by either asking your supervisor, your departmental Human Resources Facilitator or Manager, or contacting EH&S at telephone 919-962-5507. You further understand that if your position places you in a healthcare environment or your duties involve healthcare, you must also complete the items outlined in the "EHS Conditions of Employment" document in accordance with the time frames and frequency specified. This document will be provided to you by your appointing department. If you do not receive this document and your position places you in a healthcare environment or your duties involve healthcare, you may also obtain a copy on the web at: [http://www.ehs.unc.edu/manuals/ehsmanual/docs/5appendixb.pdf](http://www.ehs.unc.edu/manuals/ehsmanual/docs/5appendixb.pdf) or by contacting EH&S at 919-962-5507.

9. You understand that to comply with University policy if your position's duties include engaging in University healthcare activities you must disclose to your Department Head, Dean, Division Chief, the Office of Human Resources Employee & Management Relations Division or the Chair of the University's AIDS Task Force if you are currently, or later become, infected with either the HIV or the Hepatitis B viruses.

10. State law requires each permanent employee regularly scheduled to work 30 hours or more each workweek to participate in either the Teachers' and State Employees' Retirement System (TSERS) or the Optional Retirement Plan (ORP). The appointee makes an irrevocable election of one of these retirement plan options within 60 days of his/her hire effective date. Each employee presently is required to contribute six percent of his/her gross salary by payroll deduction, and that the State retains the right to amend the contribution rate.

11. North Carolina law requires certification that you are in compliance with the registration requirements of the Military Selective Service Act ([http://www.sss.gov/must.htm](http://www.sss.gov/must.htm)) prior to appointment. The University is required by law to verify such compliance. If you do not answer affirmatively to either Question A, B or C listed below, you will be notified that a proposed finding of ineligibility for employment will be finalized, unless, within 30 days, you provide information which establishes compliance with the registration requirements of the Military Selective Service Act.

   (Select A, B, or C)

   A. ___ I certify that I am registered with Selective Service.

   B. ___ I certify that I am not required to be registered with the Selective Service because (select one):
      ___ I am a female. ___ I am under the age of eighteen years.
      ___ I was born before 1960. ___ I am a non-immigrant alien.
      ___ I am in the armed services on active duty (Reserves and National Guard are not considered on active duty.)
      ___ I am a permanent resident of the Trust Territory of the Pacific Islands or Northern Mariana Islands.

   C. ___ I certify that my requirement to be registered with the Selective Service has expired or is inapplicable, and (select one):
      ___ I was registered when the requirement was applicable to me.
      ___ I was not registered when the requirement was applicable to me, but my failure to register was not a knowing and willful failure to register. Please explain on attached signed and dated sheet.

   Appointee Initials: [signature] Date: 10-27-15

Revised 11/5/2014 Form AP-2a (Faculty)
12. I understand that I must comply with University guidance regarding the Ebola outbreak, including certain travel restrictions, screening, and reporting requirements if I travel to/from Ebola-affected nations and/or may have been exposed to Ebola. I understand that if I travel to an Ebola-affected area, I must contact both the NC Communicable Disease Branch and UNC Environment, Health and Safety for a risk assessment prior to my return to campus and/or UNC Health Care facilities. Further, I understand that employees should register all international travel in the UNC Global Travel Registry (http://globaltravel.unc.edu/). This registry provides specific travel and risk-related guidance. UNC has placed additional information about its response to the Ebola outbreak on the following website: http://ehs.unc.edu/emergency/ebola.shtml.

**Important Benefits Notifications:** For your information, you should also note the following time-sensitive enrollment deadlines regarding certain benefits for eligible appointees following your hire effective date:

- If you are eligible for employee health insurance, election to participate in the State’s employee health insurance plan must be received within 30 days of your hire effective date. The employee has the option of choosing this health insurance coverage to begin on the first day of either the first or second month following employment. Health insurance coverage for hire effective dates prior to the selected coverage effective date is the appointee’s responsibility.

- If you are eligible for retirement benefits, you are required within sixty (60) days of your hire effective date to elect participation in either the North Carolina Teacher’s and State Employees’ Retirement System (TSERS) or the University of North Carolina Optional Retirement Plan (ORP). Your failure to make this election within this period on the required forms irrevocably results in the automatic election of TSERS as your retirement plan. Please ensure you take timely action following your hire to exercise this important option.

<table>
<thead>
<tr>
<th>Appointee’s Signature:</th>
<th>[Signature]</th>
<th>Date: 10-27-15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appointing Department Representative Signature:</td>
<td>[Signature]</td>
<td>Date: [Date]</td>
</tr>
</tbody>
</table>
KEVIN M. GUSKIEWICZ

ADDRESS

Hand: 803 E. Franklin Street
Chapel Hill, North Carolina 27514
919-932-1429
gus@email.unc.edu

Office: 205 South Building, CB# 3100
University of North Carolina at Chapel Hill
Chapel Hill, North Carolina 27599-3100
Telephone: 919-962-1165 (Deans Office)
919-962-5175 (Research Office)

EDUCATION

University of Virginia, Charlottesville, Virginia
Doctor of Philosophy, Sports Medicine, 1995
Major areas of study: Orthopedic and Neuromuscular Research
Mild Traumatic Brain Injury Research
Research Design and Statistics
Dissertation: Effect of Mild Head Injury on Postural Stability

University of Pittsburgh, Pittsburgh, Pennsylvania
Master of Science, Exercise Physiology/Athletic Training, 1992

West Chester University, West Chester Pennsylvania
Bachelor of Science, Athletic Training (NATA Approved Undergraduate Curriculum), 1989
Minor: Journalism

ACADEMIC & ADMINISTRATIVE APPOINTMENTS

College of Arts and Sciences, University of North Carolina at Chapel Hill
Senior Associate Dean for the Natural Sciences, July 1, 2013 to present

Direct 13 academic departments and programs in the Division of Natural Sciences and Mathematics; Oversee the physical space for all College of Arts and Sciences departments (55 academic buildings); Participate in the development efforts for 13 departments and programs with the assistance of four Arts & Sciences Foundation development officers; Serve on several committees, including the Research Dean’s Council, MOOC Taskforce, UNC BEST Board of Directors, and Biomedical Imaging Research Center Advisory Board; and Serve as Co-Principal Investigator on UNC-Chapel Hill’s AAU STEM grant on Classroom Innovation: Redesigning Large Gateway Science Courses.

Matthew Gfeller Sport-Related Traumatic Brain Injury Research Center, University of North Carolina at Chapel Hill
Founding Director, May 1, 2010 to present

Department of Exercise and Sport Science, College of Arts and Sciences, University of North Carolina at Chapel Hill
Kenan Distinguished Professor, 2009 to present
Department Chair, 2005 to 2013
Professor, July 1, 2004 to present
Academic Leadership Fellow, Institute for the Arts & Humanities, January to May 2008
Associate Professor, July 1, 2001 to 2004
Assistant Professor, 1995 to 2001
Director, Graduate Studies & Graduate Admissions, 1998 to 2005
Director, Sports Medicine Research Laboratory, 1996 to 2008
Director, Undergraduate Athletic Training Education Program, 1995 to 2002

Teaching Responsibilities:
Gross Anatomy (graduate)
Applied Statistics & Research Design in Exercise and Sport Science (graduate)
Human Movement Science Doctoral Seminar (graduate)
Therapeutic Modalities (undergraduate)
Evaluation of Athletic Injuries (undergraduate)
Human Anatomy (undergraduate)

Department of Physical Medicine and Rehabilitation, School of Medicine, University of North Carolina
Professor, July 1, 2013 to present

Department of Orthopaedic Surgery, School of Medicine, University of North Carolina
Professor, July 1, 2004 to present
Associate Professor, 2001 to 2004
Assistant Professor, 1998 to 2001

Department of Allied Health Sciences, School of Medicine, University of North Carolina
Adjunct Professor

Curriculum in Human Movement Science (Interdisciplinary Doctoral Program), School of Medicine, University of North Carolina
Professor

Injury Prevention Research Center, University of North Carolina at Chapel Hill
Interim Director, January 2005 to July 2005
Core Faculty Member, September 2001 to present

Curry School of Education, University of Virginia, Doctoral Student, 1992 to 1995

Instructor:
Gross Anatomy Laboratory (undergraduate)
Advanced Athletic Injuries & Lab (undergraduate)

Teaching Assistant:
Anatomical Basis of Sports Medicine (graduate)
Research in Athletic Training (graduate)
Seminar in Educational Research (graduate)

Research Advisor:
Thesis Advisor, NATA Approved Graduate Program

St. Anne's-Belfield High School, Charlottesville, Virginia: 1992 to 1995
Athletic Training Clinical Supervisor: Supervised students seeking NATA certification
Teacher: Seventh grade Health - Nutrition/First Aid (1993)
UNIVERSITY SERVICE

UNC’s Quality Enhancement Plan (QEP) for Southern Association of Colleges and Schools:
Co-Chair, Steering Committee for SACS reaffirmation process. Identify priorities to improve student learning; provide guidance on implementation of the QEP; and recommend how to effectively communicate the QEP to the campus community (September 2014 to present).

UNC Representative to Southern Association of Colleges and Schools’ review team:
Georgia Tech On-Site Reaffirmation Committee; Serving as observer in preparation for UNC’s 2016 reaffirmation process (February 2015 to March 2015).

Association of American Universities (AAU) Undergraduate STEM Initiative:
Co-Leader, UNC’s AAU STEM grant to foster cultural change and widespread implementation of active learning methods in gateway STEM courses (June 2013 to present).

Administrative Search Committees:
Chancellor, UNC-Chapel Hill (September 2012 to April 2013)
Director, Academic Support Program for Student-Athletes (September to December 2012)
Director, UNC Sports Medicine, Chair (June to November 2009)
Assistant Vice Chancellor for UNC Campus Health, Chair (January to June 2006)
Dean, College of Arts and Sciences (May 2006 to April 2007)

Administrative Reviews:
Director, UNC Highway Safety Research Center (November 2010 to February 2011)
Vice Chancellor for Student Affairs (August 2008 to December 2008)
Director, UNC Office of Human Research Ethics (January 2008 to May 2008)
UNC Sports Medicine Program (October 2007 to August 2008)
Dean of the UNC-Chapel Hill Graduate School (October 2004 to April 2005)
Director, UNC Injury Prevention Research Center (January 2003 to May 2004)

Faculty Executive Committee, July 2008 to December 2008 (interim appointment); July 2009 to present (elected appointment)

UNC’s Classroom Policy Steering Committee, July 2013 to present

UNC’s Space Use Committee, July 2013 to present

UNC’s Buildings and Grounds Committee, July 2013 to present

UNC’s Biomedical Research Imaging Center (BRIC) Senior Advisory Committee, September 2013 to present

Fundraising Campaign Co-Coordinator – Stallings-Evans Sports Medicine Center (July 2005 to May 2010)

University Committee on Teaching Awards (July 2008 to January 2009)

Administrative Board of the General College, July 2008 to 2011

Administrative Board of the Graduate School, August 2000 to July 2005
CLINICAL EXPERIENCE

**Athletic Trainer: University of North Carolina at Chapel Hill:** Head Athletic Trainer for Women's Lacrosse (1995-1998); Clinical supervisor for undergraduate and graduate athletic training students (1995-1999); General athletic training coverage & director of the UNC concussion testing program for all UNC athletic teams (1998 to present).


HONORS AND AWARDS

**Order of the Golden Fleece, University of North Carolina,** April 10, 2014

**2013 Commencement Speaker, University of North Carolina,** December 15, 2013.

**West Chester University’s Sturzebecker Hall of Fame Inductee,** October 26, 2013.

**2013 Distinguished Alumnus Award, Curry School of Education, The University of Virginia,** October 4, 2013.

**2013 Commencement Speaker & Recipient of The University of Pittsburgh’s 225th Medallion,** School of Health and Rehabilitation Sciences, University of Pittsburgh. April 27, 2013.

**2013 TEDxUNC Speaker,** Memorial Hall, University of North Carolina-Chapel Hill, February 9, 2013.

**University of Pittsburgh Legacy Laureate,** Distinguished Alumnus Award. October 11, 2012.

**2011 December Commencement Speaker, West Chester University,** December 19, 2011.


**Sayers Bud Miller Educator of the Year.** National Athletic Trainers’ Association Research and Education Foundation's annual award for outstanding educator. June 20, 2008.


**Kenneth L. Knight Award for the Outstanding Research Manuscript** (Cavanaugh JT,


**Fellow in the American Academy of Kinesiology and Physical Education.** September 16, 2006.


**West Chester University’s Legacy of Leadership Alumnus Award.** April 30, 2005.

**Fellow in the American College of Sports Medicine (FACSM).** November 8, 2002.


**Kevin P. Speer, MD New Investigator Award.** National Athletic Trainers' Association Research and Education Foundation's annual award for outstanding young researcher. Awarded June 17, 1999.

**Outstanding Faculty Award.** University of North Carolina Alumni Association and Division of Student Affairs. Awarded April 15, 1998.


**Junior Faculty Development Award ($3,000) - UNC-CH Committee on Faculty Research and Study Leaves, November 27, 1995**

**Who's Who Among Students in American Universities and Colleges, (1989)**

**Swope Leadership Scholarship** (1988), West Chester University

**Physical Education Scholarship** (1988), West Chester University
EDITORIAL BOARD SERVICE

Journal of Athletic Training, Associate Editor (2001 to 2013)
   Board member (1997 to present)
   Guest Editor for special issue on Concussion in Sport (October 2001)

Journal of Sport Rehabilitation, Board member (1995 to present); Editorial assistant (1993 to 1995)

Current Sports Medicine Reports, Board member (2010 to present)

Frontiers in Neurology, Board member (2010 to present)

Journal of American Medical Association, Reviewer (2002 to present)

Neurosurgery, Reviewer (2004 to present)

Journal of Neurosurgery, Reviewer (2011 to present)

Annals of Biomedical Engineering, Reviewer (2009 to present)

Clinical Journal of Sports Medicine, Reviewer (2003 to present)

British Journal of Sports Medicine, Reviewer (2000 to present)

Medicine & Science in Sports & Exercise, Reviewer (1998 to present)

Journal of Biomechanics, Reviewer (1998 to present)

Athletic Therapy Today, Board member (1995 to 1999)

SCHOLARSHIP

Refereed Journal Publications:


Brown C, Padua D, Marshall SW, Guskiewicz KM. Variability of Motion in Individuals with Mechanical or Functional Ankle Instability During a Stop Jump Maneuver. *Clinical Biomechanics*, 2009;24(9), 762-768.


Valovich McLeod TC, Barr WB, McCrea M, Guskiewicz KM. Psychometric and measurement properties of concussion assessments in youth sports. *Journal of Athletic Training*. 2006;41(4), 399-408.


**Refereed Journal Publications – In Review:**


Invited Editorials:


Textbook Sections Edited:


Textbook Chapters:


**Non-Refereed Publications:**


**Symposium Presentations:**


Guskiewicz, K.M. *The Science and Technology of Sport Concussions, Bennan and Smith Lecture Series*. Texas State University, San Marcos, TX; April 5, 2012.


Guskiewicz, K.M. Helmet Testing and On-Field Monitoring of Safety Equipment & Player Behavior. *National Football League’s “NFL Combine – Competition Committee Meeting.”* Indianapolis, IN; February 22, 2011.


Guskiewicz, K.M. Preventing Sudden Death in Sport: Head Injury Considerations; *National Strength and Conditioning Association Annual Meeting.* Dallas, TX, January 8, 2011.


Guskiewicz, K.M. 2006 Todd Bell Memorial Lecture: Risk of Cardiovascular Disease in Retired NFL Players. The Ohio State University, Columbus, OH. July 28, 2006.


**Refereed Published Abstracts/Presentations:**


Fox ZG, Mihalik JP, Blackburn JT, Battaglini C, & Guskiewicz KM. Postural control returns to baseline within 13 minutes following both aerobic and anaerobic exercise protocols. 2008 National Athletic Trainers’ Association Annual Meeting and Clinical Symposium, St. Louis, MO; June 17-21, 2008.

Register-Mihalik JK, Mihalik JP, & Guskiewicz KM. Clinical balance performance recovery in individuals reporting posttraumatic migraine characteristics following sports-related concussion. 2008 National Athletic Trainers’ Association Annual Meeting and Clinical Symposium, St. Louis, MO; June 17-21, 2008.


Mihalik JP, Petschauer MA, Beard JR, Prentice WE, & Guskiewicz KM. Emergency cervical inline stabilization procedures in collegiate ice hockey players: The effect of helmet fit on cervical


Herman DC, Weinhold PS, Guskiewicz KM, Garrett WE, Yu B, Padua DA. The effects of strength training on the neuromuscular characteristics of a stop-jump task in female recreational athletes. *Accepted abstract for the 2006 Gender Bias in ACL Injury Retreat*. Lexington, KY.

Herman DC, Weinhold PS, Guskiewicz KM, Garrett WE, Yu B, Padua DA. The effects of strength training on the neuromuscular characteristics of a stop-jump task in female recreational athletes. *Accepted abstract for the National Athletic Trainers’ Association 57th Annual Meeting and Clinical Symposia*. June 2006. Atlanta, GA.


Guskiewicz KM, Mihalik JP, Notebaert AJ, Hooker DN, Oliaro SM, Crowell DH, & Ciocca MF.


Ross, S.E., Guskiewicz, K.M., Harry, J.D., Niemi, J.B. Effect of somatosensory stimulation on time to stabilization in individuals with functionally stable and unstable ankles. *ACSM, SouthEast Regional Chapter Annual Meeting*, January 29, 2004, Atlanta, GA.


Published Media Reviews:


Additional Presentations:


Guskiewicz, K.M. Examination of concussion; medical and cognitive considerations. *Grand Round Series- St. Charles Medical Center.* Bend, OR; April 20, 2012.


Guskiewicz, K.M. Sport Related Concussion; From the Lab to the Law. *Raleigh Medical Society.* Raleigh, NC; April 12, 2012.


Guskiewicz, K.M. Therapeutic Modalities & Rehabilitation in Healing the Injured Athlete Komotini, Greece, May 8, 2006


The Art and Science of Sports Medicine, University of Virginia, Charlottesville, VA, June 26, 1996. "Evaluation of mild head injury in sports"

Chippenham Medical Center Sports Injury Seminar, Chippenham Medical Center, Richmond Virginia, February 28, 1996 - "Assessment of mild head injury and return to play guidelines"

Sports Medicine Telemedicine Conference, University of North Carolina School of Medicine & Northampton County Schools, November 21, 1995 - "Sports medicine in the 90's: An update"

The Art and Science of Sports Medicine, University of Virginia, Charlottesville, VA, June 28, 1995 - "Mild head injury in sports: objective assessment for return to play"

The Art and Science of Sports Medicine, University of Virginia, Charlottesville, VA, June 20, 1994 - "Mild head injury in sports"

Athletic Injuries (Guest Lecturer), University of Virginia, Charlottesville, VA, November 26, 1993 - "Common Knee injuries in athletics" and "Clinical assessment of knee injuries"

Athletic Injury Teleconference, Division of Continuing Education in conjunction with the Sports Medicine Department, University of Virginia, Charlottesville, VA, October 21 & 28, 1992 - "Injury classification" and "Tissue response to injury"

Sewickly YMCA, Sewickly, PA, May 30, 1991 - "Nutritional considerations for the growing athlete"

**GRANTS AND EXTERNAL FUNDING**

**Federal Agencies:**


Co-Investigator; Project Leader, $2,000,000 with Department of Defense (Chronic Effects of Neurotrauma Consortium (CENC) – “Association Between Repetitive TBI And Neuropsychological, Neuroimaging, and Blood Biomarkers In Military Service Members And Elite-Level Athletes.” Laskowitz, D & Grant, G (PI), Guskiewicz K, Bazarian J, Mihalik, J. (Submitted January 2013 – not funded).


National Foundations:


Co-Principal Investigator, $800,000 with the National Collegiate Athletic Association – “A prospective, longitudinal study of head impact exposure, neurologic health and brain imaging biomarkers in former NCAA athletes: 15 year follow-up of the original NCAA Concussion Study.” Guskiewicz, K, and McCrea, M. (Funding split between UNC and MCW). (Awarded August 2013).


Principal Investigator, $98,000 with NFL Players Association – “Association between football exposure and dementia in retired football players.” Guskiewicz KM (Awarded April 2010)


Principal Investigator, $282,000 with National Operating Committee on Standards for Athletic Equipment – “Prospective investigation of sport-related concussion: Relationship between


Co-Principal Investigator, $10,000 with National Operating Committee on Standards for Athletic Equipment- "A Prospective Study on Injury Assessment, Return to Play and Outcome Following Concussion in Collegiate Football Players." Guskiewicz KM and McCrea M. (Awarded: July 2000 for continuation of NCAA funded project - see below).

Co-Investigator, $12,000 with National Federation of State High School Associations (NFHS)- "A prospective study on injury assessment, return to play and outcome following concussion in high school athletes." McCrea M, Hammeke T, Guskiewicz KM, et al. (Awarded: June 2000).


Co-Investigator, $1,000 with Mid-Atlantic Athletic Trainers' Association- "Cumulative Effects of Multiple Treatments of Phonophoresis with Dexamethasone on Serum Dexamethasone and Cortisol Levels." Strapp E, Guskiewicz KM, Forman S., et al. (Awarded: April 1999).


Co-Principal Investigator, $10,000 with National Athletic Trainers' Association Research and Education Foundation - "Effect of mild head injury on postural stability." Guskiewicz KM and Perrin DH. (Awarded: June 1996)


Local and University Centers:

Research Director, Center for the Study of Retired Athletes at UNC-CH. Secured $250,000 from internal and external sources to develop and operate the center for the initial 3 years. (Developed: September 2000).

Co-Investigator, $2,940 with Injury Prevention Research Center, University of North Carolina-
"Response of Bone Mineral Density and Serum Hormone Levels Following Exercise

Co-Investigator, $3,099 with Injury Prevention Research Center, University of North Carolina-
"Cumulative Effects of Multiple Treatments of Phonophoresis with Dexamethasone on Serum
Dexamethasone and Cortisol Levels.” Strapp E, Guskiewicz KM, Forman S., et al. (Awarded:
March 1999).

GRANT REVIEW PANELS


National Football League Charities, November 2010 to 2013

National Institutes of Health, Clinical Neuroscience and Disease Study Section, 2005-2010

Alzheimer’s Association, 2004-2006

National Athletic Trainers' Association Research and Education Foundation, 1997 to present

Mid-Atlantic Athletic Trainers’ Association, 1995-2001

CONSULTING


Centers for Disease Control and Prevention’s (CDC) Traumatic Brain Injury Round Table.
Atlanta, GA. October 16 - 17, 2012.

Helmet Sensors & Eye Protection and PM-Soldier Protective Equipment, Ft. Belvoir, VA; October
3, 2012.

Defense Centers of Excellence for Psychological Health and Traumatic brain Injury Clinical
Standards of Care, Chrsystal City, Arlington, VA; July 16-17, 2012.

Defense and Veterans Brain Injury Center (DVBIC), Comparing concussion issues in military
personnel to concussion in athletes, Walter Reed Hospital, Washington, DC, September 15-16,
2008.

North Carolina Department of Corrections. Development of a Correction Officer Physical Ability
Test (COPAT), October 15, 2006 – April 15, 2008.

ANAM Sports Medicine Battery (ASMB) Working Group; Principal Investigator: Joseph
Bleiberg, National Rehabilitation Hospital, Washington, DC, February 2004 – January 2005

North Carolina Criminal Justice & Sheriffs Commission. Development of a New Police Officer
Physical Ability Test (POPAT) for Basic Law Enforcement Testing - 2000 (BLET 2000), January
1998 - March 2000
University of Michigan Undergraduate Athletic Training curriculum development, February 2000

Ohio State University Undergraduate Athletic Training curriculum development, October 1998

Becton Dickinson Consumer Products, Conducted at the University of Virginia, October 1993 to February 1994. Vaughan C.L. & Guskiewicz, K.M. "Testing of five sports tapes: A clinical study"


MEMBERSHIPS/CERTIFICATIONS

Athletic Trainer Certified - National Athletic Trainers' Association: Member #890444, Certification #2-1827

American College of Sports Medicine

American Academy of Kinesiology and Physical Education

Athletic Training Research and Education Society - Vice President (1993-1995)

First Aid, CPR & Responding to Emergencies Instructor Certified, American Red Cross

Emergency Medical Service First Responder Certified - Commonwealth of Virginia

First Aid and CPR Certified, American Red Cross

OTHER POSITIONS/APPOINTMENTS

NCAA Concussion Safety Protocol Committee, ACC representative, 2015 to present

ACSM/AMSSM Team Physician Concussion Consensus Statement Writing Group, 2011

American Academy of Neurology Practice Parameter Writing Group, 2010 to 2013

National Football League’s Head, Neck, and Spine Safety Committee, 2010 to present

Chair, Equipment Safety and Rules Sub-Committee

National Collegiate Athletic Association’s Concussion Committee, 2010 to present

National Football League Player’s Association Mackey-White Committee, 2009 to present

National Athletic Trainers’ Association Convention Committee, 1998 to 2001

National Athletic Trainers’ Association Education Council, Graduate Program Review Committee, 1999 to July 2005

National Athletic Trainers’ Association Education Council, Clinical Education Committee, 1997 to 1998

Chair, National Athletic Trainers’ Association Pronouncement Committee on Mild Head Injury, 1997 to 2004

Secretary: Atlantic Coast Conference Sports Medicine Society, 1996 to 1999

-- Updated July 2015 --
Mail Ballot
Board of Trustees
October 28, 2015

Attached for your review and approval is a memo concerning the terms of appointment and compensation for Kevin Guskiewicz as Dean of the College of Arts and Sciences. This mail ballot will be approved as part of the Consent Agenda at the Full Board meeting on Thursday, November 19, 2015.

The undersigned votes as follows with respect to the recommendation proposed in Chancellor Folt’s memorandum dated October 28, 2015.

<table>
<thead>
<tr>
<th>Approve</th>
<th>Disapprove</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
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</table>

Appointment and compensation for Kevin Guskiewicz as Dean of the College of Arts and Sciences

Signature________________________________________________________
Printed Name_____________________________________________________
Date_____________________________________

Please fax to TJ Scott at (919) 962-1647 or email at tj_scott@unc.edu

This mail ballot was approved by majority vote on October 28, 2015 by the following Trustees: Dwight Stone, Haywood Cochrane, Chuck Duckett, Lowry Caudill, Julia Grumbles, Bill Keyes, Allie Ray McCullen, Ed McMahan, Hari Nath, and Houston Summers.
FOOTBALL PLAYERS BEWARE: CONCUSSIONS CAN BE DEADLY

Strange as it may seem, American sports historians may one day look back on 2012 as the beginning of the end for NFL football, at least in its present-day, helmeted, blocking-and-tackling-intensive incarnation. Thousands of former players are embroiled in a lawsuit against the league, alleging that it hid information about the danger of repeated head trauma. Present and former NFL insurers are also fighting the league over who is owed what. Every new concussion a current player suffers - and especially any suicide, violent crime or debilitating medical condition involving a former player - only brings the issue to broader public attention. And the cultural impact is trickling down to young kids whose parents are thinking twice about letting them join Pop
Concussion Evidence

Number of sport concussion publications in PubMed

PubMed search string “sport concussion” on 10/20/15
The Concussion Solution

Impact Biomechanics

- Linear acceleration
- Frequency
- Angular acceleration
- Location

Quantify exposure
- Player positions
- Helmet types and helmet fit
- Open-field vs. interior line plays
- Special teams vs. off/def plays

Acute Dx
- Biomarkers?
- Neuroimaging?

CONCUSSION

- Rule Changes
  - Behavior modification
  - Cervical muscle strengthening
  - Visual training
  - New materials & helmet design changes

Acute Tx
- Omega 3-FA?
- Hyperbarics?
- Progesterone?

Symptoms

Neurocognitive function

Balance

Page 85/122
Intersecting Athletics & Special Operations
Neuroimaging: Structural and clinical sequences

Plasma/serum biomarkers

Vision & sensory performance

Standard TBI clinical measures
Head Impact Measurement Systems
Blast exposures on all occupants

Using Blast Gauge readings from operator in back and information about crew locations recreation can approximate exposures on other occupants.

Only Subject 1 and subject in passenger seat exposed to >16 psi

Passenger foot was outside of vehicle and exposed to blast pressures >500psi

Driver and gunner had low exposures
Concussion: A Multifaceted Condition

- Physical Exam
- Postural Control
- Symptoms
- Cognition
- Visual/Vestibular
- Psychological
- Knowledge, Attitudes, Behaviors
- Concussion history
- Cognition
- Mechanism of Injury

Concussion
Multimodal Assessment Paradigm

- History
- Predispositions
- Postural Control/Balance
- Observation
- ROM & Strength of Neck
- Stress Tests
  - Cognition
  - Coordination
  - Cranial Nerves
  - Visual/Vestibular
- Symptoms
- Palpation
- Functional Testing

Slide courtesy of Mr. Scott Bruce
SPORTS-RELATED CONCUSSIONS IN YOUTH
Improving the Science, Changing the Culture
Everyone Has a Role

Policy

Community

Organizations

Interpersonal (Relationship)

Intrapersonal (Individual)
Knowledge, Attitude, and Concussion-Reporting Behaviors Among High School Athletes: A Preliminary Study

Johna K. Register-Mihalik, PhD, LAT, ATC*†; Kevin M. Guskiewicz, PhD, ATC, FNATA, FACS†∥; Tamara C. Valovich McLeod, PhD, ATC, FNATA‡; Laura A. Linnan, ScD§; Frederick O. Mueller, PhD‡; Stephen W. Marshall, PhD¶

*Emergency Services Institute, WakeMed Health and Hospitals, Raleigh, NC; †Matthew Gfeller Sport-Related Traumatic Brain Injury Research Center, Department of Exercise and Sport Science, University of North Carolina at Chapel Hill; ‡Athletic Training Program, A.T. Still University, Mesa, AZ; §Department of Health Behavior and Health Education, University of North Carolina at Chapel Hill; ¶Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA.

Using theory to understand high school aged athlete’s intentions to report sport-related concussion: Implications for concussion education initiatives

Johna K. Register-Mihalik1,2, Laura A. Linnan3, Stephen W. Marshall4, Tamara C. Valovich McLeod3, Frederick O. Mueller2, & Kevin M. Guskiewicz2

1Clinical Research Unit, Emergency Services Institute, WakeMed Health and Hospitals, Raleigh, NC, USA; 2Matthew Gfeller Sport-Related Traumatic Brain Injury Research Center, Department of Exercise and Sport Science, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA; 3Department of Health Behavior and Health Education, School of Public Health, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA; 4Department of Epidemiology, School of Public Health, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA; and 5Athletic Training Program, A.T. Still University, Mesa, AZ, USA.
Training and Skill Development: A key to concussion prevention

- Education & Proper Coaching
- Sport Culture
- Skill Practice & On-field exposure
- Behavior Modification
CHAPEL HILL, N.C. — Alan Pelc has been taught how to block since his Houston boyhood, how to push and pulverize and punish oncoming defenders on the football field. This was different. He was learning how not to punish himself.

“Right there,” Dr. Kevin Guskiewicz said, pointing at a presentation screen showing more than a dozen arrows pointed straight into the top of a mannequin head. “These are all your recorded hits to the top of your helmet against L.S.U. Every time you drop your head. These are the ones we’re concerned about.”
What is Social Innovation?

Who defines? Generate novel ideas

- Think out of box (new, out of this world)
- New mixes of people, lead to new ideas
- New combinations
- Change minds to change world
- Connecting stakeholders

Transformation

- According to Lusic (www.lusic.se)
- Impact
- Scale
- Durability
- Measurable
- Open
- Sharing

Social Problems
- Unemployment
- Homelessness
- Environment
- Integration of people with disabilities
- Disconnection of people
- Many more...

Empowerment
- Participation
- Involvement
- Needs satisfied
- New business model
- New human networks
- People centred
- Opinions matter

Sustainable Business
- Innovative products/services
- Problems solved
Entrepreneuring lab work into public safety

Concussion Recognition & Response (CRR) – Gioia & Mihalik
Target user: Parents & Coaches

Concussion Assessment & Response (CARE) – Mihalik & Gioia
Target user: Medical Providers
Improving Safety for our Athletes and Service Members

1) identify predispositions to sport injuries & chronic neurologic impairment

2) modify behavior and change the culture

3) innovative science can be the game changer
A proactive, fiscally conservative plan to invest in North Carolina’s future.

HB 943 – Connect NC Bond Act of 2015
Note: Connect NC – Base from H940, Governor’s Budget; PAYGO amount equivalent to 6 years of savings from stopping the HF transfer to GF (6 x $216 M); DMV Fees & Other Transfers amount equivalent to 6 years of DMV fees, highway use tax adjustments, license registration fees, and transfers to other State agencies included in H 97; DMV Fee projections in FY 2017-18 through FY 2020-21 from DOT/OSBM forecast.
Infrastructure
$2.00B Bond
6 Year Plan
20 Year Bond

Transportation
$2.361B Cash
6 Year Pay-Go Plan
$393.5M On-going each year
Scenario 1 - $2.84 B issued now
Scenario 2 - $1.42 B issued now, $1.42 B issued in 6 years
Scenario 3 - $2.84 B issued in 6 years
Debt Service as a Percentage of General Fund Revenue

Existing Debt
With New Issuance at 5.75%
With New Issuance at 3.5%

Prepared by Fiscal Research using data from the Dept. of State Treasurer

4.75% Recommended Limit
4% Suggested Limit
15 Years Since Last Bond Referendum

North Carolina Total Population & Voter-Approved Debt
Millions of Persons, 1993-2015

- $740m
  UNC, CCs, CW, & SPI
- $1.0B
  CW & NG
- $3.1B
  UNC & CCs
- $1.8B
  Schools
- $950m
  Hwys

Years Debt Approved by Voters

- 1993: $740m
- 1995: $1.8B
- 1997: $950m
- 1999: $3.1B
- 2001: $3.1B
- 2003: $3.1B
- 2005: $3.1B
- 2007: $3.1B
- 2009: $3.1B
- 2011: $3.1B
- 2013: $3.1B
- 2015: $3.1B

10.1m

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Time is Money

“We maintain our call for the first fed funds rate hike in September of this year.”
Wells Fargo Securities, May 27, 2015

Each 0.25% increase in interest rates costs $7.5 million in the first year alone

Interest Rates on Government Bonds at Historic Lows

Source: Federal Reserve Bank of St. Louis
Total State Tax-Supported Debt: Recent History & Projections
Billions of Current-Year Dollars, by Fiscal Year, 2010-2021

Note: Based on data from the 2015 DAAC Study by the NC Department of State Treasurer and HB 943 estimates from the NC Fiscal Research Division. Debt amounts include General Obligation debt and Special Indebtedness, but do not include capital leases and debt issued by NC Turnpike Authority. Projections assume four debt issuances over the next four fiscal years.
Project List

Extends the life of the State’s useful assets.

Financing aligns with the asset lifespan.

Focuses on areas that will boost State’s economic activity.

Partners with university and industry to prioritize projects.
# Education: UNC System

<table>
<thead>
<tr>
<th>University</th>
<th>Project Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASU</td>
<td>New Health Sciences Building</td>
<td>$70,000,000</td>
</tr>
<tr>
<td>NCSU</td>
<td>Engineering Building</td>
<td>$75,000,000</td>
</tr>
<tr>
<td>UNCC</td>
<td>New Sciences Building</td>
<td>$90,000,000</td>
</tr>
<tr>
<td>UNCW</td>
<td>Allied Health and Human Sciences/Nursing Building</td>
<td>$66,000,000</td>
</tr>
<tr>
<td>ECU</td>
<td>Life Sciences and Biotechnology Building</td>
<td>$90,000,000</td>
</tr>
<tr>
<td>UNCCCH</td>
<td>Medical Education Building Replacement</td>
<td>$68,000,000</td>
</tr>
<tr>
<td>NCAT</td>
<td>Engineering Building</td>
<td>$90,000,000</td>
</tr>
<tr>
<td>WCU</td>
<td>Sciences/STEM Building</td>
<td>$110,000,000</td>
</tr>
<tr>
<td>WSSU</td>
<td>Sciences Building</td>
<td>$50,000,000</td>
</tr>
<tr>
<td>UNCG</td>
<td>Nursing and Instructional Building</td>
<td>$105,000,000</td>
</tr>
<tr>
<td>NCSSM</td>
<td>North Carolina School of Technology and Engineering</td>
<td>$58,000,000</td>
</tr>
<tr>
<td>UNCP</td>
<td>New School of Business</td>
<td>$23,000,000</td>
</tr>
<tr>
<td>FSU</td>
<td>Lyons Science Building Comprehensive Renovation</td>
<td>$10,000,000</td>
</tr>
<tr>
<td>NCCU</td>
<td>New Business School</td>
<td>$30,000,000</td>
</tr>
<tr>
<td></td>
<td>Repair and Renovations - UNC-Wide</td>
<td>$45,000,000</td>
</tr>
<tr>
<td></td>
<td><strong>Sub-Total</strong></td>
<td><strong>$980,000,000</strong></td>
</tr>
</tbody>
</table>
## Education: Community Colleges

<table>
<thead>
<tr>
<th>Community Colleges</th>
<th>Statewide</th>
<th>$ 350,000,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Schools</td>
<td>New Schools</td>
<td></td>
</tr>
<tr>
<td>Additions</td>
<td>Additions</td>
<td></td>
</tr>
<tr>
<td>Renovations</td>
<td>Renovations</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Match 1:1, 1:2 Tier 2, 1:3 Tier 3)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(No K-12Funds)</td>
<td></td>
</tr>
</tbody>
</table>
# Agriculture

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant Sciences Building Ag / NCSU Partnership</td>
<td>$ 85,000,000</td>
</tr>
<tr>
<td>Department of Agricultural Lab Facility</td>
<td>$ 94,000,000</td>
</tr>
</tbody>
</table>

# Public Safety

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Samarcand Training Academy</td>
<td>$ 8,500,000</td>
</tr>
</tbody>
</table>

# National Guard

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>McLeansville Regional Readiness Center, Guilford County</td>
<td>$ 70,000,000</td>
</tr>
<tr>
<td>Morganton – Readiness Center, Burke County</td>
<td></td>
</tr>
<tr>
<td>North Wilkesboro – Readiness Center, Wilkes County</td>
<td></td>
</tr>
</tbody>
</table>
## Parks and Natural Resources

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>North Carolina Zoo</td>
<td></td>
</tr>
<tr>
<td>Africa Plains Safari</td>
<td>$ 25,000,000</td>
</tr>
<tr>
<td>Australasia Exhibit Complex Replace African Pavilion</td>
<td></td>
</tr>
<tr>
<td>Australasia Exhibit Complex</td>
<td></td>
</tr>
<tr>
<td>Matching Local Parks Grant Fund for Children and Veterans with Disabilities</td>
<td>$ 3,000,000</td>
</tr>
<tr>
<td>State Parks</td>
<td>$ 75,000,000</td>
</tr>
</tbody>
</table>

## Water and Sewer

<table>
<thead>
<tr>
<th>Program Description</th>
<th>Location</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water &amp; Sewer Loan Program</td>
<td>Statewide</td>
<td>$ 209,500,000</td>
</tr>
<tr>
<td>Water &amp; Sewer Grant Program</td>
<td>Statewide</td>
<td>$ 100,000,000</td>
</tr>
</tbody>
</table>
## Transportation
(CASH – Not Financed with Bond)

<table>
<thead>
<tr>
<th>New, Bridges, Maintenance, Resurfacing, Repairs, Ports Funding ($393.5M x 6 years)</th>
<th>Statewide</th>
<th>$ 2,361,000,000</th>
</tr>
</thead>
</table>
PORTS
• $70 million additional spending on Morehead and Wilmington ports

BRIDGES
• 58% increase in repair and construction
• $242 million in 2016-17

RESURFACING
• 22% increase
• $498 million

OTHER ROAD MAINTENANCE
• $68 million

SPECIFIED STATE CONSTRUCTION
• $23 million in projects

OTHER REPAIR AND RENOVATIONS
• $150 million
Connecting North Carolina to the Future