

**AGENDA**  
**THE BOARD OF REGENTS**  
**OF THE UNIVERSITY OF NEBRASKA**  
**Varner Hall**  
**Friday, October 29, 2004**  
**11:30 a.m.**

- I. CALL TO ORDER
- II. ROLL CALL
- III. CLOSED SESSION (After closed session, the Board will recess until 1:15 p.m.)
- IV. APPROVAL OF MINUTES AND RATIFICATION OF ACTIONS TAKEN ON SEPTEMBER 10, 2004
- V. KUDOS AND RESOLUTIONS
- VI. STRATEGIC OR POLICY DISCUSSION
- VII. HEARINGS
- VIII. PUBLIC COMMENT

The Standing Rules of the Board provide that any person may appear and address the Board of Regents on any item on the agenda for this meeting. Each person will be given up to five minutes to make his or her remarks.

- IX. COMMITTEE REPORTS AND APPROPRIATE ACTION
- X. UNIVERSITY CONSENT AGENDA
  - A. ACADEMIC AFFAIRS
  - B. BUSINESS AFFAIRS
- XI. UNIVERSITY ADMINISTRATIVE AGENDA
  - A. ACADEMIC AFFAIRS
  - B. BUSINESS AFFAIRS
  - C. FOR INFORMATION ONLY
  - D. REPORTS
- XII. ADDITIONAL BUSINESS

## **X. UNIVERSITY CONSENT AGENDA**

### **A. ACADEMIC AFFAIRS**

1. President's Personnel Recommendations. Addendum X-A-1
2. Approve the request for outside employment at the University of Nebraska Medical Center. Addendum X-A-2
3. Approve the request for outside employment at the University of Nebraska at Omaha. Addendum X-A-3

### **B. BUSINESS AFFAIRS**

#### Central Administration

1. Approve appointment of two members, Kim M. Robak, J.D. and Byers W. Shaw, M.D., to the Board of Directors of The Nebraska Medical Center effective January 1, 2005, for a term of three years. Addendum X-B-1

#### University of Nebraska-Lincoln

2. Approve the project budget for the UNL demolition of three University Housing units formerly leased to Greek letter societies. Addendum X-B-2
3. Approve the conveyance of real property to the Joint Antelope Valley Authority for public right-of-way to create two right in, right out access drives along the east-west roadway [Holdrege Street between Stadium Drive and 14th Street] in conjunction with the Antelope Valley, Big T Project. Addendum X-B-3
4. Grant a thirty-foot (30') permanent easement to the City of Lincoln for the construction and maintenance of a hike/bike trail adjacent to the north boundary of East Campus along Huntington/Leighton Avenues between 33rd and 48th Streets, in exchange for the vacation of streets and alleys within the boundaries of East Campus not previously vacated pending City Council approval of the street and alley vacation. Addendum X-B-4
5. Approve the conveyance of real property to Lancaster County for public right-of-way in conjunction with improvements to Northwest 70th and West Superior Streets. Addendum X-B-5
6. Approve the name "August N. Christenson Research and Education Building" for the existing Research and Education Building at the UNL/IANR Agricultural Research and Development Center near Mead, Nebraska. Addendum X-B-6
7. Approve the purchase of 75 Terawatt Laser System. Addendum X-B-7

President's Personnel Recommendations  
Meeting Date: October 29, 2004

### **Central Administration**

#### Adjustment

Donal J. Burns, Interim Corporation Secretary (Special), Associate Executive Vice President and Provost (Special), Professor (Continuous) Physics and Astronomy (UNL), \$146,232 FY, (includes \$140,232 FY base salary and \$500 stipend per month), 1.0 FTE. Add Interim Corporation Secretary title and \$500 stipend per month effective 12/01/04 until permanent replacement is hired.

#### Leave of Absence\*\*\*

### **University of Nebraska-Lincoln**

#### Adjustment

Kenneth Winkle, Professor (Continuous), Chair (Special) History; Thomas C. Sorenson Professor of American History (Special); \$86,045 AY, 1.00 FTE. Add appointment as Thomas C. Sorenson Professor of American History with a stipend of \$10,000.

#### Leaves of Absence\*\*\*

### **University of Nebraska at Omaha**

#### Adjustment

William Wakefield, Interim Athletic Director (Special), Athletics, and Professor (Continuous) and Named Chair (Special), Criminal Justice; effective 09/06/04, \$118,004 (includes \$79,653 AY base salary, \$3,000 professorship stipend, and \$35,351 FY administrative stipend), 1.00 FTE. Add Interim Athletic Director title and administrative stipend (until permanent replacement is hired). Presented for ratification, previously approved by the President and the Executive Committee of the Board of Regents.

\*\*\*Members of the public and news media may obtain a copy of the item with the Leaves of Absences in the Office of the Corporation Secretary, University of Nebraska, 3835 Holdrege Street, Lincoln, NE 68583, between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday, except university holidays.

TO: The Board of Regents  
Academic Affairs

MEETING DATE: October 29, 2004

SUBJECT: Request for Approval of Outside Employment.

RECOMMENDED ACTION: Request for approval of outside employment from the University of Nebraska Medical Center (UNMC) to participate in activities outside the University in accordance with University policy as follows:

**COLLEGE OF MEDICINE**

Carl B. Greiner, M.D., Professor and Assistant Dean for Clinical Affairs, to provide forensic services on a limited basis.

PREVIOUS ACTION: February 28, 2004 – The Board of Regents gave permission to Dr. Greiner to do a maximum of four forensic interviews during the time period of February to December 2004.

EXPLANATION: This request for approval of outside activities is in accordance with Section 3.4.5 of the *Bylaws of the Board of Regents of the University of Nebraska* specifying that University employees (c) charging fees for work performed in University buildings and (d) providing professional services for remuneration to departments or agencies of state government, must have the approval of the Board of Regents.

Dr. Greiner, a board certified forensic psychiatrist, is requesting permission of the Board of Regents to do a maximum of eight forensic interviews for the calendar year (January - December) of 2005, typically lasting one to two hours in his office on the Nebraska Medical Center campus. He will provide his own materials for this work. Requests from the courts are done at their discretion; he does not solicit nor request these assignments. Forensic practice provides an assessment or opinion regarding a client and no direct medical care is provided. Because of his background and training, Dr. Greiner has the experience to provide useful assessments to the court. Dr. Greiner will take personal vacation time when doing an assessment at the forensic facility or when testifying and the activities will be covered with his separate insurance coverage through Complete Equity Market and does not place any additional demand on his university malpractice coverage.

SPONSOR: Rubens J. Pamies, M.D.  
Vice Chancellor for Academic Affairs

APPROVAL: \_\_\_\_\_  
Harold M. Maurer, M.D., Chancellor  
University of Nebraska Medical Center

DATE: October 7, 2004

TO: The Board of Regents  
Academic Affairs

MEETING DATE: October 29, 2004

SUBJECT: Request for Approval of Outside Employment

RECOMMENDED ACTION: Approval of the following request to participate in activities outside the University in accordance with University policy as follows:

COLLEGE OF FINE ARTS

Joanne Sowell, Associate Professor and Frances Thurber, Professor, Art and Art History, to serve as consultants and conduct a summer teacher workshop for the Nebraska Arts Council.

PREVIOUS ACTION: None

EXPLANATION: The request by Joanne Sowell and Frances Thurber for approval of outside activity is in accordance with Section 3.4.5 (d) of the *Bylaws of the Board of Regents of the University of Nebraska* specifying that University employees providing professional services for remuneration to departments or agencies of state government must have the approval of the Board of Regents.

Drs. Sowell and Thurber are requesting permission of the Board of Regents to consult with the Nebraska Arts Council and to plan and present a summer teacher workshop for K-12 teachers. The activity will take place from January 1, 2005 until December 31, 2005 and will not interfere with the normal university duties of Drs. Sowell and Thurber.

SPONSOR: John E. Christensen, Vice Chancellor for Academic Affairs

APPROVAL: \_\_\_\_\_  
Nancy Belck, Chancellor  
University of Nebraska at Omaha

DATE: October 7, 2004

TO: The Board of Regents  
Business Affairs

MEETING DATE: October 29, 2004

SUBJECT: Appointment of two members to the Board of Directors of The Nebraska Medical Center

RECOMMENDED ACTION: Approve appointment of two members, Kim M. Robak, J.D. and Byers W. Shaw, M.D., to the Board of Directors of The Nebraska Medical Center effective January 1, 2005, for a term of three years.

PREVIOUS ACTION: December 13, 2003 - The Regents approved the appointment of Harold M. Maurer, M.D. and Harlan Noddle for a term of three years to fill the expired terms.  
October 11, 2002 - The Regents approved the appointment of Gail Walling Yanney, M.D. and Jan Thayer for a term of three years to fill the expired terms.  
September 7, 2001 - The Regents approved the appointment of Kim M. Robak, J.D. and Byers W. Shaw, M.D. for a term of three years to fill the expired terms.  
September 29, 1997 - The Regents approved the initial appointment of six members to the NHS Board of Directors.

EXPLANATION: The Nebraska Medical Center Bylaws provide that the term of the appointments of all twelve members of The Nebraska Medical Center Board of Directors will be three years. Upon expiration of the three year term of each of the initial appointees, the two members of The Nebraska Medical Center (the Regents and the combined Clarkson entities) shall thereafter each appoint six directors with staggered terms. As the staggered terms expire, subsequent appointments are all for terms of three years. The current Board of Directors appointed by the Board of Regents and their terms are:

|                           |                                     |
|---------------------------|-------------------------------------|
| Kim M. Robak, J.D.        | January 1, 2002 - December 31, 2004 |
| Byers W. Shaw, M.D.       | January 1, 2002 - December 31, 2004 |
| Jan Thayer                | January 1, 2003 - December 31, 2005 |
| Gail Walling Yanney, M.D. | January 1, 2003 - December 31, 2005 |
| Harold M. Maurer, M.D.    | January 1, 2004 - December 31, 2006 |
| Harlan Noddle             | January 1, 2004 - December 31, 2006 |

It is recommended that the Regents approve the appointment of the following two persons to The Nebraska Medical Center Board of Directors for a term of three years:

| <u>Appointee</u>    | <u>Term</u> |
|---------------------|-------------|
| Kim M. Robak, J.D.  | 3 years     |
| Byers W. Shaw, M.D. | 3 years     |

APPROVAL:

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James B. Milliken  
President

DATE:

October 14, 2004

TO: The Board of Regents  
 Business Affairs

MEETING DATE: October 29, 2004

SUBJECT: University of Nebraska-Lincoln (UNL) demolition of three University Housing units formerly leased to Greek letter societies

RECOMMENDED ACTION: Approve the project budget for the UNL demolition of three University Housing units formerly leased to Greek letter societies.

PREVIOUS ACTION: None

EXPLANATION: There are four units in the Harper-Schramm-Smith Residential Complex (1115 North 16<sup>th</sup> Street, 1125 North 16<sup>th</sup> Street, 1235 North 16<sup>th</sup> Street and 1245 North 16<sup>th</sup> Street). All were constructed in 1967 to house Greek letter societies. The first unit will remain as the University Housing Offices. The other three units will be demolished. One of these three units has been vacant since 2001 and the second unit has been vacant since 2002. The third unit (currently housing graduate students) will be vacated in May 2005. There is no interest by Greek letter societies in leasing these units. All of the units would require extensive renovation to be used for any purpose.

With the loss of approximately 600 surface parking stalls due to the Antelope Valley Project, there is an urgent need for replacement parking near the Harper-Schramm-Smith Housing Complex. The demolition of these units will allow construction of 500 replacement stalls, funded by the Antelope Valley Project, to take place in the summer of 2005.

|                                                 |               |
|-------------------------------------------------|---------------|
| Proposed demolition of 1235 and 1245 North 16th | November 2004 |
| Proposed demolition of 1125 North 16th          | May 2005      |

PROJECT COST: \$450,867

|                         |                        |      |
|-------------------------|------------------------|------|
| ON-GOING FISCAL IMPACT: | Annual Operation Costs | None |
|                         | 2% Assessment          | None |

SOURCE OF FUNDS: Auxiliaries and Services Funds

SPONSORS: Christine A. Jackson  
 Vice Chancellor of Business & Finance

James V. Griesen  
 Vice Chancellor of Student Affairs

APPROVAL: \_\_\_\_\_  
 Harvey Perlman, Chancellor  
 University of Nebraska-Lincoln

DATE: October 19, 2004



16th Street



PHASE II  
DEMOLITION

1125 N 16th

University  
Housing  
Offices  
1115 N 16th

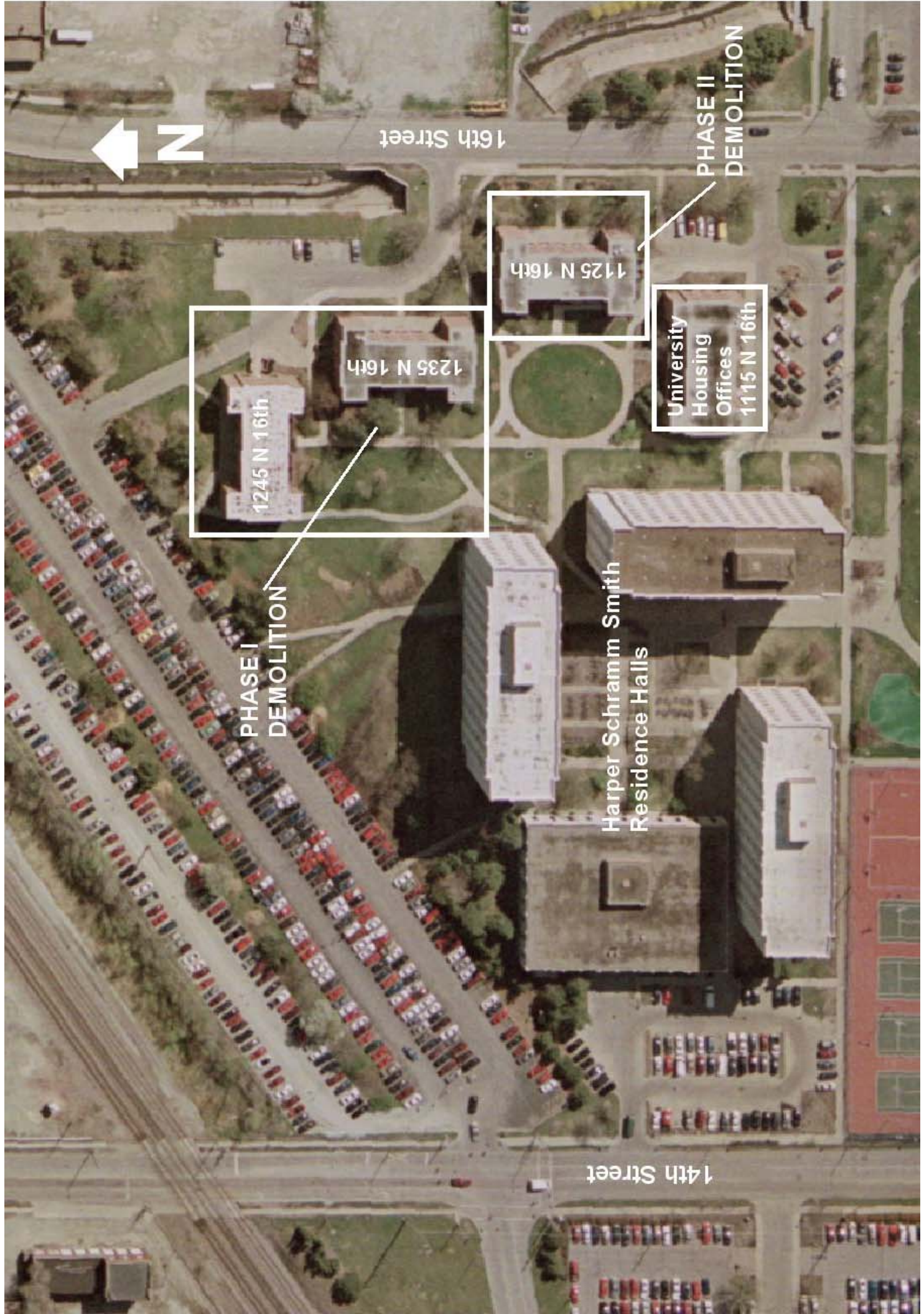
1235 N 16th

1245 N 16th

PHASE I  
DEMOLITION

Harper Schramm Smith  
Residence Halls

14th Street



TO: The Board of Regents  
Business Affairs

MEETING DATE: October 29, 2004

SUBJECT: Conveyance of real property to the Joint Antelope Valley Authority for public right-of-way to create two right in, right out access drives along the east-west roadway [Holdrege Street between Stadium Drive and 14<sup>th</sup> Street] in conjunction with the Antelope Valley, Big T Project.

RECOMMENDED ACTION: Approve the conveyance of real property to the Joint Antelope Valley Authority for public right-of-way to create two right in, right out access drives along the east-west roadway [Holdrege Street between Stadium Drive and 14<sup>th</sup> Street] in conjunction with the Antelope Valley, Big T Project.

PREVIOUS ACTION: None

EXPLANATION: With multiple University construction projects along the east-west roadway, two additional access drives into key University parking lots are required.

The first right in, right out access drive will be constructed to accommodate the University parking lot north and west of the Tom and Nancy Osborne Athletic Complex and new indoor facility. The second access drive will be created to accommodate the University parking lot that houses the new parking garage on 14<sup>th</sup> Street between Holdrege Street and Avery Avenue.

A total of 7,450 square feet (or 0.17 acres) of public right-of-way is required to construct both access drives within the East Half of Section 23, Township 10 North, Range 6 East of the 6<sup>th</sup> P.M., Lancaster County, Nebraska.

PROJECT COST: None

SOURCE OF FUNDS: None

SPONSOR: Christine A. Jackson  
Vice Chancellor for Business & Finance

APPROVAL: \_\_\_\_\_  
Harvey Perlman, Chancellor  
University of Nebraska-Lincoln

DATE: October 11, 2004





14th Street

Parking Garage  
Addition

Parking  
Garage

Avery Avenue

Right-of-way

Holdrege Street

New Indoor Facility

Right-of-way

Stadium Drive

TO: The Board of Regents  
Business Affairs

MEETING DATE: October 29, 2004

SUBJECT: Grant a thirty-foot (30') permanent easement to the City of Lincoln for the construction and maintenance of a hike/bike trail adjacent to the north boundary of East Campus along Huntington/Leighton Avenues between 33<sup>rd</sup> and 48<sup>th</sup> Streets, in exchange for the vacation of streets and alleys within the boundaries of East Campus not previously vacated pending City Council approval of the street and alley vacation.

RECOMMENDED ACTION: Grant a thirty-foot (30') permanent easement to the City of Lincoln for the construction and maintenance of a hike/bike trail adjacent to the north boundary of East Campus along Huntington/Leighton Avenues between 33<sup>rd</sup> and 48<sup>th</sup> Streets, in exchange for the vacation of streets and alleys within the boundaries of East Campus not previously vacated pending City Council approval of the street and alley vacation.

PREVIOUS ACTION: None

EXPLANATION: The City of Lincoln wishes to construct a hike/bike trail along the north boundary of East Campus as part of a new trail network within the City. The University wishes to vacate various streets and alleys within the boundaries of East Campus currently being used by the University for Agriculture Research. Therefore, it is in the best interest of both the City and University to exchange the trail easement for the street and alley vacation at no cost to either party.

The proposed trail will consist of approximately 4.2 acres (+/-) of Board of Regents land, with the street and alley vacation consisting of approximately 8.4 acres (+/-) of City owned land, all lying within Sections 17 & 18, Township 10 North, Range 7 East, Lancaster County, Nebraska.

PROJECT COST: None

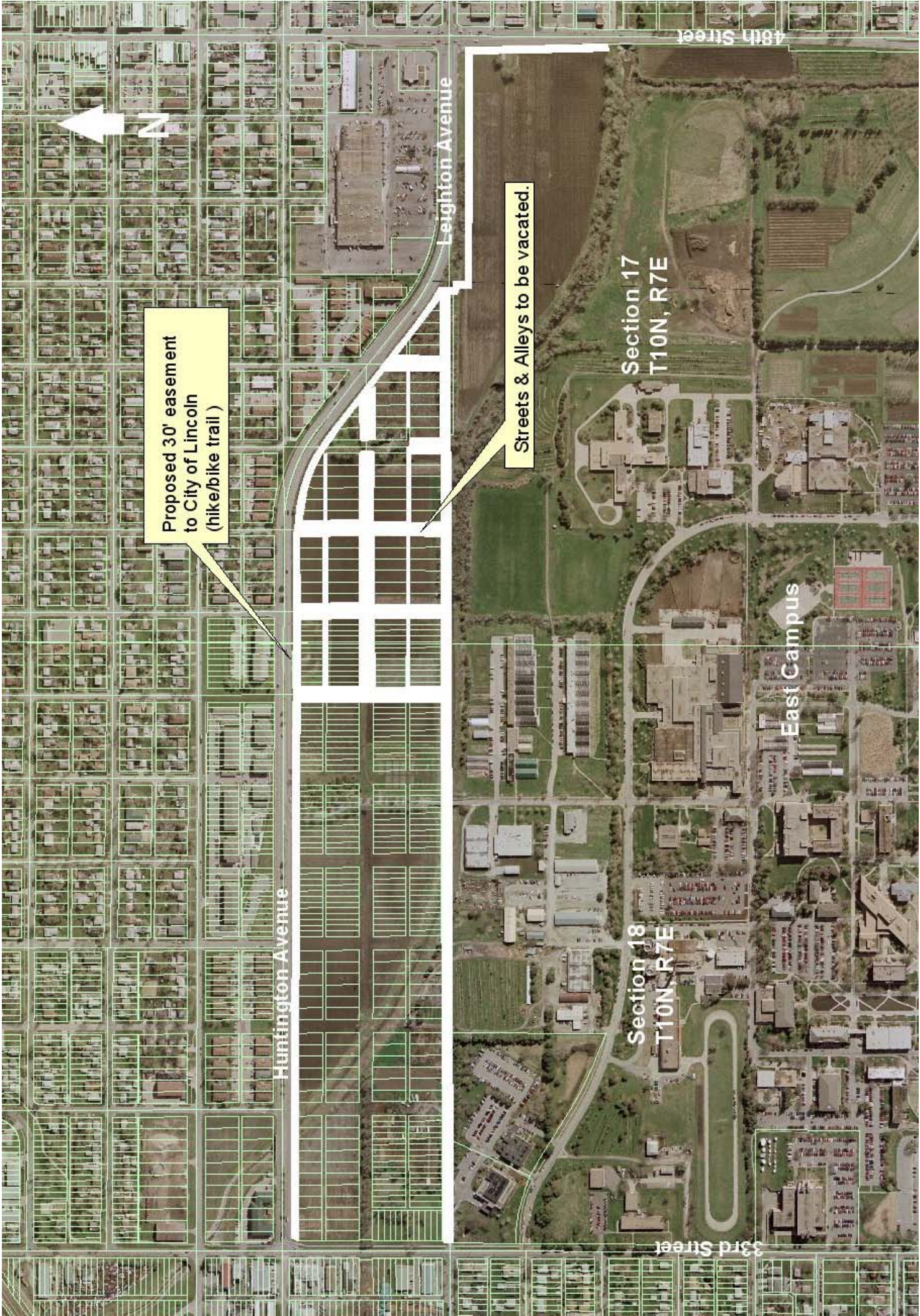
SOURCE OF FUNDS: None

SPONSOR: Christine A. Jackson  
Vice Chancellor for Business & Finance

APPROVAL: \_\_\_\_\_  
Harvey Perlman, Chancellor  
University of Nebraska-Lincoln

DATE: October 12, 2004





Proposed 30' easement to City of Lincoln (hike/bike trail)

Streets & Alleys to be vacated.

Huntington Avenue

Leighton Avenue

48th Street

Section 17  
T10N, R7E

East Campus

Section 18  
T10N, R7E

3rd Street



TO: The Board of Regents  
Business Affairs

MEETING DATE: October 29, 2004

SUBJECT: Conveyance of real property to Lancaster County for public right-of-way in conjunction with improvements to Northwest 70<sup>th</sup> and West Superior Streets.

RECOMMENDED ACTION: Approve the conveyance of real property to Lancaster County for public right-of-way in conjunction with improvements to Northwest 70<sup>th</sup> and West Superior Streets.

PREVIOUS ACTION: May 12, 2000 – The Board approved the contract for acquisition of the James L. and Phyllis G. Chambers property located at approximately 6900 West Superior Street, Lincoln, Lancaster County, Nebraska at a cost of \$257,010.

EXPLANATION: Lancaster County requires additional right-of-way along the southern boundary of Board of Regents owned property within Section 1, Township 10 North, Range 5 East in Lancaster County for improvements to the gravel roadways (Northwest 70<sup>th</sup> and West Superior Streets) used by the University to access the Leadership Training Center (Challenge Course) that occupies the 79.08 acres purchased from the Chambers in May of 2000.

The University is willing to donate to Lancaster County the required right-of-way area (approximately 1.50 acres) in return for improved access (to subject property) that is vital to the continued success of the leadership training programs. Currently the roadways are impassable following a rain.

The legal description for the approximate 1.50 acre right-of-way area is as follows: Part of Lot Four (4), Irregular Tract in the Southwest Quarter (SW ¼) of Section One (1), Township Ten (10) North, Range Five (5) East of the 6<sup>th</sup> Principal Meridian, Lancaster County, Nebraska.

Members of the public and the news media may obtain a copy of the proposed documents in the Office of the University Corporation Secretary, 3835 Holdrege Street, Lincoln, Nebraska 68583, between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday, except University holidays.

PROJECT COST: None

SOURCE OF FUNDS: None

SPONSORS:

James V. Griesen  
Vice Chancellor for Student Affairs

Christine A. Jackson  
Vice Chancellor for Business & Finance

APPROVAL:

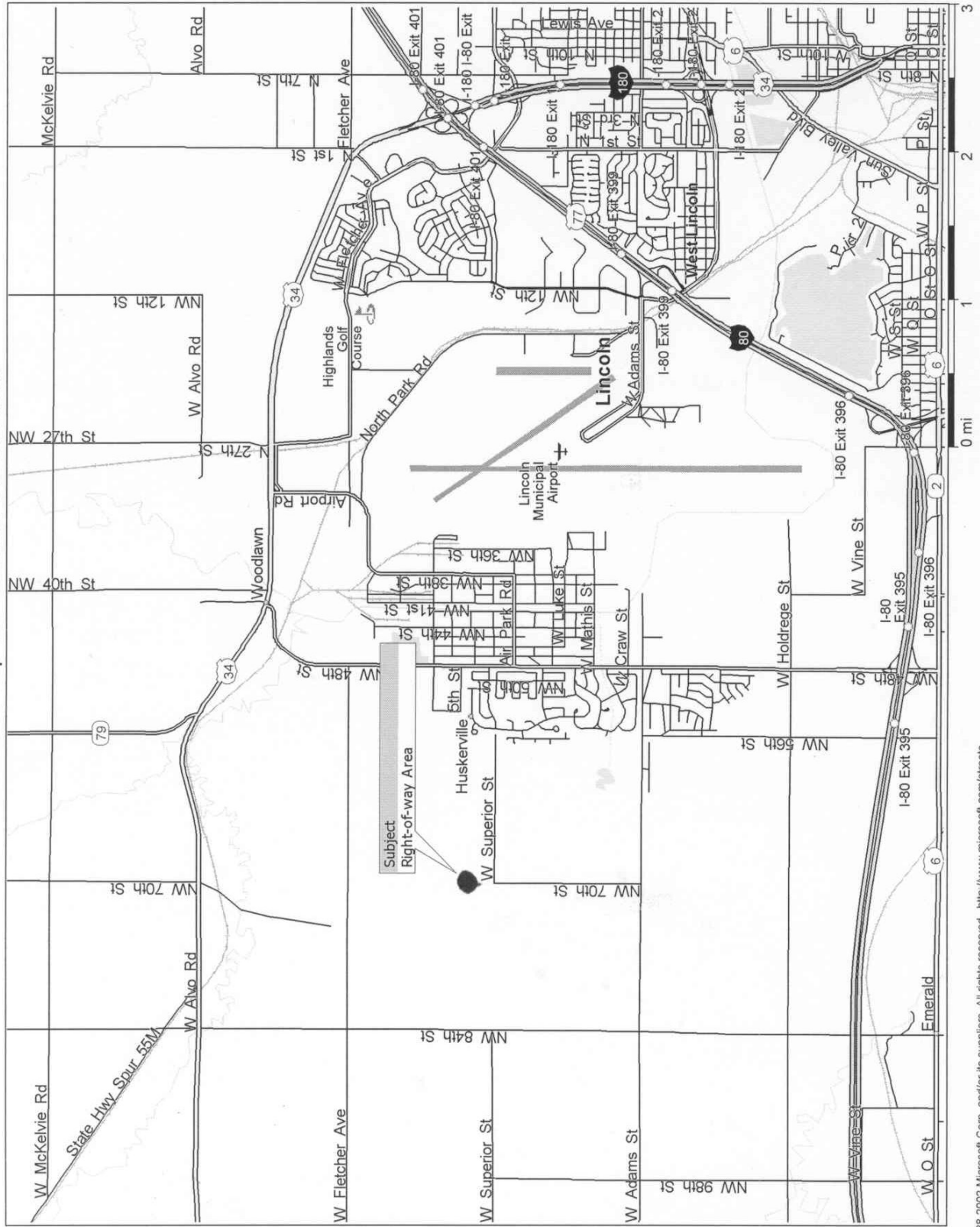
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Harvey Perlman, Chancellor  
University of Nebraska-Lincoln

DATE:

September 30, 2004

# Lincoln Area map for Section 1 BOR item







Training Center Area

Southwest 1/4  
Section 1,  
Township 10 North,  
Range 5 East

West Superior Street

Leadership

Lot 2

Lot 4

Board of Regent Owned  
(Lot 2 and Lot 4)

Right-of-way Area

NW 70th



TO: The Board of Regents  
Business Affairs

MEETING DATE: October 29, 2004

SUBJECT: Naming of Building

RECOMMENDED ACTION: Approve the name “August N. Christenson Research and Education Building” for the existing Research and Education Building at the UNL/IANR Agricultural Research and Development Center near Mead, Nebraska.

PREVIOUS ACTION: None

EXPLANATION: On August 25, 2004, Mr. Christenson committed a substantial estate gift to UNL benefitting the Institute of Agriculture and Natural Resources (IANR), the Agricultural Research and Development Center (ARDC) near Mead, Nebraska, and the College of Business Administration (CBA). The purpose of the “August N. Christenson Excellence Fund” is flexible, providing support at the discretion of the NU Vice President and IANR Harlan Vice Chancellor and the CBA Dean for priority needs and significant projects of their respective entities.

This gift will support the August N. Christenson ARDC Excellence Sub-fund, the August N. Christenson College of Business Administration Sub-fund, and the August N. Christenson IANR Excellence Sub-fund.

August N. Christenson graduated from the University of Nebraska-Lincoln College of Business Administration in 1945. He worked many years for the Standard Chemical Manufacturing Company in Omaha, as CFO, while maintaining his family farm near Wahoo, Nebraska. A loyal supporter of UNL, Mr. Christenson has contributed to UNL for 47 years consecutively.

By naming the Research and Education Building at ARDC the “August N. Christenson ARDC Research and Education Building,” the Board of Regents express their appreciation for Mr. Christenson’s gifts and commitment to the University of Nebraska-Lincoln/IANR Agricultural Research and Development Center and Nebraska agriculture.

PROJECT COST: None

SOURCE OF FUNDS: None

SPONSORS:

John C. Owens  
NU Vice President and IANR Harlan Vice Chancellor

Christine A. Jackson  
Vice Chancellor for Business and Finance

APPROVALS:

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Harvey Perlman, Chancellor  
University of Nebraska-Lincoln

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James B. Milliken  
President

DATE:

October 11, 2004

TO: The Board of Regents  
Business Affairs

MEETING DATE: October 29, 2004

SUBJECT: Purchase of Terawatt Laser System

RECOMMENDED ACTION: Approve the purchase of 75 Terawatt Laser System

PREVIOUS ACTION: None

EXPLANATION: With the hiring of Donald P. Umstadter, who holds the Leland J. and Dorothy H. Olson Chair of Physics, the University of Nebraska-Lincoln (UNL) is establishing a new high-intensity laser initiative to study high-energy density physics. The proposed initiative will include a 75 Terawatt (trillion watt) laser and associated optics and reaction chambers, which will move UNL to a position of world-wide leadership in this important area of science.

Proposals were received from three suppliers capable of manufacturing a custom high power laser system. Thales Laser was selected as the low responsive bidder.

PROJECT COST: \$1,755,498

SOURCE OF FUNDS: General Funds, Nebraska Research Initiative (NRI)

SPONSORS: Christine A. Jackson  
Vice Chancellor for Business & Finance

Prem S. Paul  
Vice Chancellor for Research

APPROVAL: \_\_\_\_\_  
Harvey Perlman, Chancellor  
University of Nebraska-Lincoln

DATE: October 14, 2004

## **XI. UNIVERSITY ADMINISTRATIVE AGENDA**

### **A. ACADEMIC AFFAIRS**

1. Approve establishment of the Nebraska Center for Cellular Signaling.  
Addendum XI-A-1
2. Approve establishment of the Center for Drug Delivery and Nanomedicine.  
Addendum XI-A-2
3. Approve establishment of the Center for Research in Leukemia and Lymphoma.  
Addendum XI-A-3

### **B. BUSINESS AFFAIRS**

#### Central Administration

1. Approve the Interlocal Cooperation Agreement between the Division of Communications of the Department of Administrative Services of the State of Nebraska and The Board of Regents of the University of Nebraska.  
Addendum XI-B-1

#### University of Nebraska-Lincoln

2. Approve the UNL Harper-Schramm-Smith Dining Services Renovation Program Statement, Budget and Resolution. Addendum XI-B-2
3. Approve five proposed agreements, two with NELNET, Inc., one with National Educational Loan Network, Inc., and two with Union Bank and Trust Company, for the FFELP/School as Lender Program at UNL to provide student loans to graduate and professional students. Addendum XI-B-3
4. Approve the implementation of an on-line auction program for the University of Nebraska-Lincoln Department of Intercollegiate Athletics. Addendum XI-B-4
5. Approve the Resolution to authorize expenditure of up to \$1,094,950 for capital improvements for the Nebraska Unions and University Housing Facilities from the Replacement Fund of the Student Fees and Facilities Revenue Bonds at the University of Nebraska-Lincoln. Addendum XI-B-5
6. Approve the Resolution to authorize the expenditure of up to \$997,500 to improve certain property and equipment for parking operations at the University of Nebraska-Lincoln. Addendum XI-B-6

#### University of Nebraska Medical Center

7. Approve the Program Statement and Budget for the UNMC Research Center of Excellence II Building. Addendum XI-B-7
8. Approve leasing of space at Commerce Court Building located at 1230 O Street, Lincoln, Nebraska, for the College of Nursing, Lincoln Division.  
Addendum XI-B-8

TO: The Board of Regents  
Academic Affairs

MEETING DATE: October 29, 2004

SUBJECT: Establishment of the intercampus multi-disciplinary Nebraska Center for Cellular Signaling

RECOMMENDED ACTION: Approval is requested to establish the Nebraska Center for Cellular Signaling.

PREVIOUS ACTION: None.

EXPLANATION: The Nebraska Center for Cellular Signaling (NCCS) is a joint venture of UNMC and UNL that will focus human resource development and research efforts on improving oral and dental health of Nebraskans and citizens of other states. The Center was initiated by application for, and subsequent awarding of, a \$10 million grant from the National Institutes of Health (NIH) in the Centers of Biomedical Research Excellence (CoBRE) program. The project brings together a diverse group of senior and junior investigators from UNMC (College of Dentistry and Eppley Institute) and UNL (IANR-Biochemistry) and fosters additional collaboration with Creighton University in this important research area. The NCCS will support research projects in the broad area of cellular signal transduction, which is important for development of basic and clinical research in cell adhesion, cell motility and cancer biology. The format of the grant award promotes the mentoring and career development of junior faculty with research interests in this important basic research topic and the presence of the Center will facilitate the continued inter-campus collaboration and expansion of research programs related to cellular signaling and tumorigenesis.

PROJECT COST: \$335,915 per year

SOURCE OF FUNDS: NIH Grant

SPONSORS: Rubens J. Pamies, M.D., Vice Chancellor for Academic Affairs  
University of Nebraska Medical Center  
  
Barbara Couture, D.A., Senior Vice Chancellor for Academic Affairs  
University of Nebraska-Lincoln

APPROVALS: \_\_\_\_\_  
Harold M. Maurer, M.D., Chancellor  
University of Nebraska Medical Center  
  
\_\_\_\_\_  
Harvey Perlman, Chancellor  
University of Nebraska-Lincoln

DATE: October 7, 2004

Proposal to Establish:

**Nebraska Center for Cellular Signaling**

Submitted by:

Thomas H. Rosenquist, Ph.D.  
Vice Chancellor for Research, UNMC

Prem S. Paul, Ph.D.  
Vice Chancellor for Research, UNL

Rubens J. Pamies, M.D.  
Vice Chancellor for Academic Affairs, UNMC

Barbara Couture, D.A.  
Senior Vice Chancellor for Academic Affairs, UNL

Harold M. Maurer, M.D.  
Chancellor, UNMC

Harvey Perlman, J.D.  
Chancellor, UNL

**Overview, Goals, and Objectives.** The Nebraska Center for Cellular Signaling (NCCS) is a recently established program of research excellence with partnerships between UNL, UNMC and Creighton University Medical Center. This program was initiated by a Center of Biomedical Research Excellence (CoBRE) grant awarded by the National Institutes of Health (NIH) to the College of Dentistry at UNMC. The NCCS will become the focal point for fostering new research initiatives that will become self-supporting and join existing programs dedicated to improving the oral and dental health of Nebraskans and citizens of other states. All of the necessary components for success and sustainability of the Center are in place, including faculty and institutional enthusiasm and commitment, promising young investigators, and an experienced and prestigious extramural advisory board.

At the core of the Center is the goal of nurturing the research of young investigators, who will move forward to maintain and expand independent research programs that garner extramural funding. Concomitantly, at the heart of the NCCS's sustainability is a successful program of reiterated mentoring and nurturing of young investigators who develop extramurally funded programs, and themselves become mentors. To begin this initiative we have selected five young investigators whose research interests complement each other in their focus on cellular signaling in tumorigenesis.

Five components ensure success of the NCCS. Of critical importance is a fully committed and highly experienced Director, Dr. Margaret Wheelock, who is responsible for implementing the program and ensuring that Center's goals are met. An Advisory Council comprised of administrators from each participating institution oversees and ensures smooth intra-institutional arrangements, financial and otherwise. Highly talented and dedicated faculty from all participating institutions will serve as mentors responsible for overseeing the professional and scientific development of the five young investigators. An External Advisory Council consisting of three highly acclaimed experts in the field of cellular signaling will advise the Director and help guide and evaluate the NCCS's activities. Last, but most important, are the five talented and promising young investigators who lead five separate research projects having a thematic focus on cellular signaling in tumorigenesis.

New energy and synergy emerged from the process of assembling this Center in its first year of operation. Discussions among administrators and faculty from all participating institutions have inspired great enthusiasm for, and commitment to increasing research activities in Nebraska, and particularly in its dental colleges.

**Vision for the Center.** A long-term goal of UNMC and the College of Dentistry is to develop and sustain a strong research presence within the state and to increase their standing among the dental schools in the nation. Establishing a Center for basic science research within the College of Dentistry will address this need by creating strong research ties and by nurturing our junior faculty. A collaborative program between dentals schools at Creighton and UNMC, together with collaborative programs between UNL and the medical schools at Creighton and UNMC will not only strengthen the research activities within the dental schools but will also bring together scientists from all three institutions to establish a focus in cellular signaling, which will benefit each institution.

We envision a Center that will become self-sustaining. As the NCCS grows, collaborative grants will replace the CoBRE program as a source of funding. Faculty members will develop a culture of mentoring, which will guarantee that all incoming junior faculty are assigned formal mentors. This will increase the potential for success at securing grant funding and will ensure we meet our goal of elevating the stature of UNMC and both dental schools in Nebraska.

**Investments made by UNMC.** UNMC is committed to establishing dental research programs as evidenced by the growth and development that has taken place in our institution in the past few years. The UNMC College of Dentistry (COD) has an excellent and long-standing national reputation for training dental students, as exemplified by outstanding student performance on national boards and regional testing examinations. Over the past decade, the COD has made a commitment to building its research enterprise, with full support of the parent medical center, and progress has been outstanding. In 1993, a fund-raising initiative was undertaken to improve research infrastructure within the COD. Renovation and expansion of the basic science laboratories and construction of a clinical research addition began in 1996 and was completed in 1998. Dr. Jeffrey Payne, a well-funded and nationally-recognized expert in periodontal disease and oral bone loss, was appointed to the position



of Assistant Dean for Research in 1998. He is charged with overseeing the research activities within the COD. Dr. Payne, together with Dr. David Shaw, chair of Oral Biology, were successful in replacing two retiring Oral Biology faculty members with Dr. Kalipada Pahan who has already established a strong NIH funded research program, and Dr. Ali Nawshad who will join the COD soon and serve as one of the project leaders in this center. In 2000, UNMC hired Dr. John Reinhardt as Dean of the College of Dentistry. Drs. Payne, Shaw and Reinhardt have a commitment to continue building the research program within the COD. In June, 2001 they recruited Drs. Margaret Wheelock, Keith Johnson and James Wahl to build on a focus in oral cancer and cellular signaling. The goal of recruiting these investigators was not only to build the research strength in the COD, but also to link common interests within the Colleges of Dentistry and Medicine and the Eppley Institute. The COD now has 5 NIH grants, the most in its history, and is in a growth phase. Importantly, the UNMC COD is now ranked in the top 20 dental schools for NIH research support.

The establishment of the Nebraska Center for Cellular Signaling will serve as an important mechanism for developing collaborative research programs within the University of Nebraska as well as between UNMC and Creighton University dental schools. This will strengthen programs in each of the schools, and will be a first step towards attaining our goal of enhancing our competitive position for future NIH support.

### **Description of the Nebraska Center for Cellular Signaling.**

**Scientific Focus of the Center.** A number of areas within the field of cell biology are rapidly converging on a common theme: **cellular signal transduction**. This is particularly true for the fields of cell adhesion, cell motility and cancer biology. One goal of this proposal is to bring together individuals studying signal transduction to form an organized, cohesive group that will provide leadership and mentoring to junior faculty interested in signaling. The PI, Dr. Wheelock, has a long history of research in cell adhesion that includes signaling through cell adhesion receptors. She has gathered an experienced group of mentors whose expertise covers a number of areas of cellular signaling and an External Advisory Council whose expertise complements that of the mentors. Finally, she has identified highly qualified junior faculty members whose research focuses on cellular signaling through receptor tyrosine kinases (Dr. Laura Hansen [CU]), surface adhesion molecules (Drs. James Wahl, Ali Nawshad and Melanie Simpson [IANR-Biochemistry]) and cytosolic effectors (Drs. Steve Caplan, Wahl, Hansen and Nawshad). The significant level of common themes among the five research projects strengthens the NCCS.

**Organization of the NCCS.** The inclusion of junior faculty from three institutions calls for careful structuring of the organization of the NCCS so that it 1) takes advantage of the strengths of each institution; 2) ensures full participation of all qualified individuals; and 3) remains sufficiently focused so that resources are not too thinly spread. Dr. Margaret Wheelock will serve as the Director of the NCCS and in her role as Director, will report directly to UNMC Vice Chancellor for Research, Dr. Thomas Rosenquist. She will receive input and guidance from two advisory councils. The first is an Administrative Advisory Council that includes administrators from each institution. This council will provide administrative advice, and most important, insight into long-term institutional goals.

#### **Administrative Advisory Council**

Dr. Thomas Rosenquist, UNMC Vice Chancellor for Research  
Dr. Prem Paul, UNL Vice Chancellor for Research  
Dr. John Reinhardt, UNMC Dean of Dentistry  
Dr. Kenneth Cowan, UNMC Director Eppley Institute for Cancer Research  
Dr. Wayne Barkmeier, CU Dean of Dentistry

The second council is an External Advisory Council of nationally recognized experts who will provide advice and assess the progress of the NCCS in achieving its goals.

## External Advisory Council

Dr. Thomas E. Carey, Professor and Chair of Department of Oral Medicine, Pathology and Oncology in the School of Dentistry at University of Michigan.

Dr. Karen A. Knudsen, Director of Scientific Administration, Lankenau Institute for Medical Research.

Dr. Jean E. Schwarzbauer, Professor of Biology at Princeton University

The most important component of the NCCS will be its junior faculty, who will lead the individual research projects. Each project leader will have a “mentoring committee” chosen from a pool of highly successful senior faculty members from UNMC and UNL. A full-time administrative assistant will manage the NCCS budget and organize NCCS functions.

**Center Director.** Dr. Margaret J. Wheelock will serve as NCCS Director committing 40% of her effort to the Center. A major responsibility of the Director will be to assist junior faculty in securing NIH funds in the form of R01 grants and other similar mechanisms. As NCCS Director, Dr. Wheelock will coordinate the following activities: visits by external speakers, training in grant writing, pre-submission proposal review, mock study sections, organizing the review of applications for seed monies and graduate student stipends, and career planning. In addition, she will assign the duties of the administrative assistant and oversee his/her work. If the need arises, she will identify new or replacement mentors or members of the External Advisory Council.

**Center Budget.** The NCCS was awarded \$10 million over 5 years at approximately \$2 million per year. Approximately \$335,000 per year was dedicated to the Administrative Core which will cover the operational costs of the Center. The remainder is allocated to the scientific projects of the young investigators from UNMC, UNL, and Creighton School of Medicine. The flow of funds to UNL and Creighton is managed through traditional sub-contract mechanisms. The budget of the NCCS is allocated as follows:

### CENTER BUDGET (direct costs only) (ALL from the CoBRE NIH Grant)

|                                                 |                   |
|-------------------------------------------------|-------------------|
| <b>Personnel + Benefits</b>                     | \$ 252,273        |
| 1.00 FTE Administrative Assistant UNMC          |                   |
| .40 FTE Director                                |                   |
| 6 @ .1 Faculty Mentors                          |                   |
| 3 Graduate Students                             |                   |
| <b>Consultant costs – external board travel</b> | \$ 16,000         |
| <b>Operating</b>                                | \$ 67,642         |
| Grad. Student lab allowance                     |                   |
| Supplies, travel, misc costs                    |                   |
| Creighton and UNL sub-contracts                 |                   |
| <b>Total First Year Budget</b>                  | <b>\$ 335,915</b> |

**Potential for Sustained Growth.** Our goal is to develop and sustain a strong Center. We have discussed the mechanisms in place to develop this Center, but our plan would be shortsighted if we cannot sustain the NCCS after the CoBRE funds expire. To accomplish this, we need to draw in additional established faculty members from the three participating institutions, we need to bring in new junior faculty, and we need to bring in funding, not only in the form of individual R01 grants, but more importantly, as collaborative program project grants.

**Growth.** We have a number of sources to draw from to add faculty to the NCCS. The budget for the CoBRE grant includes a seed grant program that we will use to support new junior faculty. These individuals will not be limited to faculty recruited via the institutional support mentioned above, but will also include new faculty recruited to any department at UNMC, UNL or Creighton whose interests fit with the NCCS. We will issue a request for applications at the beginning of each fall semester to solicit applications from qualified junior investigators. Selected investigators will be supported for two years and will receive mentoring from the NCCS mentors. If necessary, additional mentors will be added to the group. When the current project leaders are successful in obtaining funding in the form of R01, P01 or SPORE grants, they will rotate off the CoBRE funds, and the released funds will be used to support additional junior investigators.

In addition to increasing the number of junior investigators in the NCCS, our goal also includes increasing the number of senior investigators who participate in NCCS activities. One way we will accomplish this is by funding 3 graduate student stipends, which are included in the CoBRE budget. All graduate students in the biomedical sciences at UNMC, UNL and Creighton University will be eligible to apply for funding, as long as their project is focused on aspects of cellular signaling. This will serve as a mechanism to draw in senior faculty with interests in cellular signaling.

NCCS meetings and seminars will be announced and all interested faculty encouraged to attend. We will seek out UNMC, UNL and Creighton faculty whose research interests overlap with the focus of the Center and invite them to present their work. We predict the NCCS will grow quickly and will include increasing numbers of funded individuals. As we increase in size, one goal will be to make certain a “culture of mentoring” is established to sustain the NCCS as a place not only to discuss hot topics and develop new collaborative projects, but also as a place for new investigators to benefit from the expertise of established investigators.

**Sustainability.** It is clear from the above descriptions that The Nebraska Center for Cellular Signaling has the support of all three institutions. As faculty positions become available, new faculty will be hired whose research interests are in the area of cellular signaling. We are confident that the five project leaders will graduate from CoBRE funding in a timely fashion and will join the ranks of mentors to new junior faculty and remain active participants in the NCCS. Furthermore, attraction of additional senior faculty from within the three institutions will ensure we sustain this program. We will apply for funds in the form of program projects, training grants and SPORE grants that will capitalize on our collective expertise and will increase collaboration among members of the group. A major goal is to develop a culture of mentoring within our NCCS group and within the colleges of Dentistry. This will be one of the most important components to ensure that we sustain the NCCS and its programs.

In summary, faculty members from UNMC, UNL and Creighton are eager to establish a collaborative program focusing on cellular signaling and its role in tumorigenesis. The Center will be housed in the UNMC College of Dentistry because the research focus matches the interests and strengths of the College. Pooling the resources of three institutions to develop a focus in signaling will enhance the research capacity of the Nebraska dental schools, as well as the other institutions. We have strong institutional support, and we have outlined a plan to sustain the NCCS when the CoBRE funds expire.

TO: The Board of Regents  
Academic Affairs

MEETING DATE: October 29, 2004

SUBJECT: Establishment of the intercampus, multidisciplinary Center for Drug Delivery and Nanomedicine (CDDN).

RECOMMENDED ACTION: Approval is requested to establish the Center for Drug Delivery and Nanomedicine.

PREVIOUS ACTION: None.

EXPLANATION: The discovery of innovative approaches for the delivery of drugs to target sites of the disease would serve to maximize clinical benefits and limit untoward side effects. Nanotechnology is the most rapidly developing approach available for drug and gene delivery and is revolutionizing this area of research. Drug delivery has been a major emphasis at UNMC over the past several years and UNMC scientists have conducted pioneering contributions in this area. Establishing the Center for Drug Delivery and Nanomedicine (CDDN) will facilitate the integration and synergistic development of research efforts of scientists in several areas of expertise at the University of Nebraska. The Center will be a joint project that will coordinate intra- and cross-campus efforts in the College of Pharmacy (UNMC), College of Medicine (UNMC), the Eppley Institute (UNMC) and the College of Engineering and Technology (UNL). The CDDN will serve to unify the existing expertise in biomedical and material sciences and create a world-class interdisciplinary team with a focus on drug delivery and nanomedicine. The presence of a formally recognized Center will enhance the ability of these scientists to obtain additional extramural funding from the NIH and NSF as well as private industry. This will provide a foundation for breakthrough research which translates into clinical benefits for devastating human disease, while simultaneously developing a critical and “visionary” area of science where the State of Nebraska emerges as a leader. Each of these therapeutic and diagnostic modalities may be translated to human use and efforts to do so are operative at our medical center in the short term and will result in clinical benefits that will ultimately improve the health of Nebraskans and our society at large.

PROJECT COST: \$20,000 per year

SOURCE OF FUNDS: Internal reallocation

SPONSORS:

Rubens J. Pamies, M.D., Vice Chancellor for Academic Affairs  
University of Nebraska Medical Center

Barbara Couture, D.A., Senior Vice Chancellor for Academic Affairs  
University of Nebraska-Lincoln

APPROVALS:

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Harold M. Maurer, M.D., Chancellor  
University of Nebraska Medical Center

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Harvey Perlman, Chancellor  
University of Nebraska-Lincoln

DATE:

October 7, 2004

Thursday, October 21, 2004

Proposal to Establish:

**The Nebraska Center for Drug Delivery and Nanomedicine (CDDN)**

Submitted by:

Thomas H. Rosenquist, Ph. D.  
Vice Chancellor for Research, UNMC

Prem Paul, Ph.D.  
Vice Chancellor for Research, UNL

Rubens J. Pamies, M.D.  
Vice Chancellor for Academic Affairs, UNMC

Barbara Couture, D.A.  
Senior Vice Chancellor for Academic Affairs, UNL

Harold M. Maurer, M.D.  
Chancellor, UNMC

Harvey Perlman, J.D.  
Chancellor, UNL

## **Proposal to Establish a Center for Drug Delivery and Nanomedicine (CDDN)**

### **1. Purposes and Context for the Center**

This proposal seeks to create a **Center for Drug Delivery and Nanomedicine (CDDN)**. The need for the discovery and development of innovative technologies to improve the delivery of therapeutic and diagnostic agents in the body is widely recognized. The “next generation” therapies must be able to deliver drugs, therapeutic proteins and recombinant DNA to focal areas of disease or to tumors to maximize clinical benefit while limiting untoward side effects. The use of nanoscale technologies to design novel drug delivery systems and devices is a rapidly developing area of biomedical research that promises breakthrough advances in therapeutics and diagnostics. Consistent with the National Nanotechnology Initiative, the National Institutes of Health (NIH) have identified nanomedicine as a critical component of its roadmap over the next decade. The proposed CDDN would serve to unify existing diverse technical and scientific expertise in biomedical and material science research at the University of Nebraska thereby creating a world class interdisciplinary drug delivery and nanomedicine program. This would be realized by integrating established expertise in drug delivery, gene therapy, neuroscience, pathology, immunology, pharmacology, vaccine therapy, cancer biology, polymer science and nanotechnology at the University of Nebraska Medical Center (UNMC), the University of Nebraska at Lincoln (UNL) and Creighton University. **The primary goal of the proposed CDDN is to provide a foundation for synergistic research that translates into clinical benefits for diseases that currently have limited treatment options while simultaneously developing a critical and “visionary” area of science where the State of Nebraska emerges as a world-leader.**

**Vision:** To improve health by enhancing the efficacy and safety of new and existing therapeutic agents and genes through the discovery and application of innovative methods of drug delivery.

**Mission:** To discover and apply knowledge to design, develop and evaluate novel approaches to improve the delivery of therapeutic agents and genes.

**Historic Context:** In the early 1990’s the faculty of the UNMC College of Pharmacy together with its administrative leaders identified drug delivery as the major area of research emphasis for the Department of Pharmaceutical Sciences. The Department secured considerable financial support from the Nebraska Research Initiative (NRI) from 1993-2000, and as a result, the College of Pharmacy recruited several new faculty and acquired state-of-the-art research instrumentation. Subsequently, the College of Pharmacy has developed substantial strength in research using polymer-based systems to deliver small molecules and macromolecules (polypeptides, oligonucleotides, recombinant DNA) to the brain, eye, heart, respiratory tract and other disease sites (**Drs. Alexander V. Kabanov, Uday Kompella, Vinod Labhasetwar, Donald W. Miller, and Dennis H. Robinson**). Overall, the Department of Pharmaceutical Sciences faculty has demonstrated a significant record of success as evidenced by 27 grants from the NIH and National Science Foundation (NSF) totaling over \$13,000,000 obtained during the period of 1995-2004.

Most recently, with the assistance of State Tobacco Settlement funds, the College of Pharmacy was successful in the strategic recruitment of **Drs. Yuri Lyubchenko and Luda Schlyakhtenko**, two internationally recognized experts in the application of atomic force microscopy (AFM) to biology. These recruitments will advance the University to the forefront in nanoimaging research using state-of-the-art technology to characterize drug and gene delivery systems.

To date, the track record of success in drug delivery research has led to numerous collaborations between scientists in the College of Pharmacy and other academic units at the University of Nebraska, particularly in the areas of cancer and neurosciences. These collaborations include scientists at the Eppley Institute for Research in Cancer and Allied Diseases (Eppley Institute) and UNMC Eppley Cancer Center (**Drs. Kenneth H. Cowan, Barry Gold and David L. Kelly**). Such collaborative efforts have focused on

developing innovative approaches for delivery of drugs and DNA to maximize efficiency of the therapy of cancers, including drug resistant and brain tumors that are particularly difficult to treat. The work by UNMC scientists using block copolymers to overcome multiple drug resistance (MDR) in cancer has been recognized internationally and this approach is currently being evaluated in Phase II clinical trials in Great Britain for the treatment of esophageal cancer and soft tissue sarcoma with high incidence of MDR.

Furthermore, scientists in the UNMC Colleges of Pharmacy and Medicine have worked together towards developing an interdisciplinary program in cancer gene therapy, using both viral and non-viral vectors to deliver therapeutic and vaccine genes to treat tumors. The gene therapy program has been supported by an NRI grant since 1997 and has been instrumental in assembling together a multi-disciplinary team of scientists focusing on gene therapy research (**Drs. Pi-W. Cheng, Alexander V. Kabanov, Vinod Labhasetwar, Vladimir Pisarev, Rakesh Singh, Joyce Solheim James Talmadge and Serguei V. Vinogradov**). Establishment of the proposed CDDN would further enhance these opportunities by adding investigators with the expertise in material and biomaterial sciences to cancer research and providing training to cancer scientists in the use of innovative nanotechnologies.

Scientists in the College of Pharmacy have joined with investigators in the Center for Neurovirology and Neurodegenerative Disorders (CNND) in the UNMC College of Medicine (**Drs. Howard E. Gendelman, Tsuneya Ikezu, R. Lee Mosley, Daniel Monaghan and Yuri Persidsky**) to develop diagnostic and therapeutic modalities for devastating neurodegenerative disorders such as Parkinson and Alzheimer diseases (PD and AD), amyotrophic lateral sclerosis (ALS) and HIV-1 associated dementia (HAD). These efforts use innovative block copolymer and nanogel technologies developed at UNMC to enhance the delivery of therapeutic and diagnostic agents across the blood-brain barrier (BBB), a major impediment to the access of these agents to the central nervous system (CNS) from the vasculature. These collaborations have already resulted in several successful NIH grant submissions and would be greatly enhanced by the establishment of the proposed CDDN.

The integration of the disciplines of nanomedicine, neurosciences and cancer with a bridge to clinical medicine, constitutes a considerable strength for the proposed CDDN program and its future vision to improve drug delivery for human diseases that currently have limited treatment options. This programmatic integration of drug delivery and nanomedicine within the proposed CDDN will further expand the current successful research collaborations and facilitate mentoring of junior investigators. Furthermore, it will enhance new research areas, where UNMC has considerable potential, such as ophthalmic drug and gene delivery (**Dr. Uday Kompella**).

Recently, UNMC College of Pharmacy researchers have established scientific partnerships with two programs in the UNL College of Engineering and Technology - nanotechnology (Department of Engineering Mechanics) and tissue and biopharmaceutical engineering (Department of Chemical Engineering). In particular, **Drs. Yuris A. Dzenis, Eveline Baesu, Florin Bobaru and Joseph A. Turner**, in the Department of Engineering Mechanics, are developing novel techniques to manufacture continuous nanofibers and have established federally-funded research programs that include the use of AFM and other innovative experimental and theoretical approaches to design drug delivery systems. The Department of Chemical Engineering has embarked on a significant expansion of its tissue and biopharmaceutical engineering and nanotechnology programs (**Drs. Ravi Saraf, Anu Subramanian and William H. Velander**). The partnering of the two aforementioned UNL Departments with the proposed CDDN and the College of Pharmacy will be pivotal in strengthening the biomedical engineering program with respect to drug delivery, formulation and bioanalytical expertise. Overall, there is a clear and significant synergism between drug delivery, nanotechnology and biomedical engineering programs in the development, manufacture and clinical evaluation of innovative nanotechnology-based therapeutics.



Finally, the University of Nebraska is receiving increasing recognition as an emerging center of academic excellence in drug delivery and nanomedicine. In January 2003, a delegation of 6 scientists representing the Nanotechnology Researchers Network Center of Japan headed by Professor Kazunori Kataoka of the University of Tokyo, visited UNMC to discuss the latest research trends in the biomedical application of nanoparticles and opportunity to build mutually beneficial links with U.S. researchers in this field. A Mini-Symposium on Nanomedicine and Drug Delivery was held during this visit. Furthermore, UNMC scientists have established collaborative interactions with a number of other groups in drug delivery and nanomedicine within the United States and abroad (e.g., Saint Louis University (Saint Louis, MO) Rutgers University (New Brunswick, NJ), University of Minnesota (Minneapolis, MN), University of Utah (Salt Lake City, UT), McGill University (Montreal, Canada), M.V. Lomonosov Moscow State University (Moscow, Russian Federation)). Once approved, the proposed CDDN will become a significant player and partner in the national and international network of the drug delivery and nanomedicine centers. This will further enhance visibility of the University of Nebraska in this field, and help to attract new talented investigators to Nebraska.

**Need for the Center:** The proposed CDDN is in a unique position to evolve as a significant contributor to the national research effort in drug delivery and nanomedicine by exploring novel therapeutic delivery systems for cancer, neurodegenerative disorders and other diseases. The proposed Center will build on the current expertise in drug delivery research at UNMC **to assemble the critical mass of researchers needed to build a biomedical research center of national prominence in Nebraska.** The proposed Center will use nationally recognized research in basic and applied sciences encompassing biopharmaceutical engineering, cancer research, drug delivery, nanotechnology, neurovirology and neurodegenerative disorders, and tissue engineering. This will result in a highly interactive translational research program.

The roots of the proposed CDDN grew from work begun in the College of Pharmacy in the area of drug delivery over a decade ago. This initial investment resulted in an explosive growth in laboratory research and established a new, evolving field of research at UNMC. The fusion of efforts with UNL researchers adds important dimensions in the area of material medicine. The integration of expertise in UN departments and campuses within the proposed Center will broaden the research scope and provide new research discoveries that would not be possible by the more traditional scientific approach.

A number of joint grant applications have already been obtained or submitted to NIH, NSF and NRI by investigators from the proposed Center. These include submission, in November 2003, of a proposal to the NIH Center for Biomedical Research Excellence (COBRE) Program to establish the Nebraska Center for Nanomedicine. Furthermore, the proposed CDDN will enhance education and training through the establishment of a graduate research training program in drug delivery and nanomedicine, thereby enriching the existing undergraduate training opportunities and graduate programs. The proposed CDDN will also stimulate the recruitment of outstanding undergraduate and graduate students from the University of Nebraska as well as other universities and colleges. In summary, the proposed CDDN will: 1) provide an integrated focus in drug delivery and nanomedicine; 2) support research and training of new and established investigators in this field; 3) will link the nanotechnology and biomaterial scientists at UNL College of Engineering and Technology with drug delivery/material scientists at UNMC College of Pharmacy and UNMC; 4) combine the intellectual and technological capabilities of the various research groups within the University, thereby serving as a stimulus for the development of innovative nanotechnologies; and 5) facilitate the transfer of these technologies to biomedical scientists.

## **2. Organizational Structure and Administrative Arrangements for the Faculty and Staff**

The proposed Center will be a multi-disciplinary, multi-departmental entity involving faculty from UNMC, UNL and Creighton University. The director of the proposed Center will be Dr. **Alexander V. Kabanov**, Parke-Davis Professor, Department of Pharmaceutical Sciences, College of Pharmacy and

Professor, Eppley Institute. At present, the proposed CDDN includes 31 faculty members from the following universities/colleges/departments:

**UNMC:**

Biochemistry and Molecular Biology/College of Medicine: **Pi-Wan Cheng** and **Pawel S. Ciborowski**

Eppley Institute: **Kenneth H. Cowan, Barry Gold, David L. Kelly, Vladimir M. Pisarev, Simon Sherman** and **Joyce Solheim**

Pathology and Microbiology/College of Medicine: **Rakesh Singh, James Talmadge** and **Yuri Persidsky**

Pharmacology/College of Medicine: **Howard E. Gendelman, Daniel Monaghan, R. Lee Mosley** and **Tsuneya Ikezu**

Pharmaceutical Sciences/College of Pharmacy: **Elena V. Batrakova, Tatiana K. Bronich, Uday Kompella, Vinod Labhasetwar, Yuri Lyubchenko, Luis Marky, Donald W. Miller, Dennis Robinson, Ludmila Schlykhtenko, Joseph A. Vetro** and **Serguei V. Vinogradov**

**UNL:**

Chemical Engineering: **Ravi Saraf, Anu Subramanian** and **William H. Velander**

Engineering Mechanics: **Eveline Baesu, Florin Bobaru, Yuris A. Dzenis** and **Joseph A. Turner**

Physics and Astronomy: **Diandra Leslie-Peletsky**

**Creighton University:**

Pharmacy Sciences: **Alekha Dash**

**Director of Proposed Center:** The director of the proposed Center will provide the vision, leadership, scientific direction and expertise and administrative oversight for the proposed Center. The director will also be principally responsible for the organization, administration, and development of the Center. This includes implementing the programmatic structure, taking the lead role in research, mentoring junior scientists, attracting talented new scientists, and conducting outreach and marketing/public relation activities. The Center director, together with the management structure described below, will enable the Center to achieve the following goals:

- Establish a creative environment, cross-disciplinary synergy, innovation and scientific excellence in basic and applied drug delivery and nanomedicine research;
- Provide an environment for continuous growth and development that will establish junior investigators as independent researchers;
- Strengthen existing programs and develop promising new areas of research for the University of Nebraska.

**Alexander V. Kabanov**, Ph.D., D.Sc., Parke-Davis Professor of Pharmaceutical Sciences, will serve as the Director of the proposed Center. He is an established NIH- and NSF-funded investigator who has developed a program in drug delivery and nanomedicine involving collaborations with investigators in the University of Nebraska as well as with institutions outside Nebraska. He was trained and obtained degrees at the Faculty of Chemistry at Moscow State University in the Soviet Union and joined UNMC in 1994. He has obtained numerous NIH and NSF grants including an NSF CAREER Award (1995) and an NSF Special Creativity Award (2003) and has attracted significant industrial sponsorship. He played a key role in the development of a polymer formulation of doxorubicin that is currently undergoing Phase II clinical trials in cancer patients. He has published more than 130 research papers, edited 3 books on drug and gene delivery systems, and has been an inventor or co-inventor on over 100 patents awarded in the United States and worldwide. Further, he has extensive experience with the review of grant proposals for national

and international agencies and has served as a member of editorial boards for several journals in drug delivery and biomaterial science. He currently is serving as an elected member of the Scientific Advisory Board for the Controlled Release Society and the Non-Viral Gene Transfer Vectors Committee for the American Society of Gene Therapy.

**Faculty:** The above cited faculty will participate in the proposed CDDN. Other faculty interested in drug delivery and nanomedicine will be encouraged to apply to become a member of the Center. Each application will be evaluated based on the research interest, evidence of successful scholarly activity and potential to contribute to the Center's goals. New membership in the proposed Center will require a majority vote by the Executive Council. Individual memberships will be reviewed at three-year intervals. Memberships of those who are not actively contributing to the proposed Center's goals will not be renewed.

**Executive Council:** This council will represent senior scientists of the proposed CDDN who will assist the Director in establishing and maintaining the overall program direction and scientific focus. The Council's primary function will be to oversee the Center's research activities and to provide the following important functions: 1) identify the Center's priority research themes; 2) discuss emerging funding opportunities relevant to the Center's themes; and 3) promote interactions between the research scientists to encourage multi-disciplinary research. Maintaining effective communication among all CDDN scientists and research components is critical for coordinating activities that benefit all CDDN members and their institutions, including support of core facilities, faculty recruitment, and support of new inter-institutional research initiatives and projects.

**Internal Advisory Committee (IAC):** This committee will include the scientific and administrative leaders at the University of Nebraska who will provide systematic internal evaluation of the proposed Center's operations and provide administrative oversight. The Committee will meet on a quarterly basis initially, and then annually or on an as needed basis thereafter.

**External Advisory Committee (EAC):** This committee will consist of external scientists representing the key areas of the proposed Center's research focus/activities. The EAC will provide external oversight and an independent mechanism for assessment of the Center's activities as well as an evaluation of the proposed Center's research projects and core facilities. It will also provide authoritative advice on strategic planning, allocation of resources, and targeting of emerging funding opportunities. The Committee will meet annually and provide written critiques of the Center as part of the evaluation process.

**Administrative Arrangements for the Proposed Center:** The Center will include scientists from different units at UNMC and UNL. The activities of the proposed Center will primarily take place in the offices, laboratories and departments of the Center's faculty members and staff. The office of the proposed Center director, Dr. Alexander V. Kabanov, is located in the UNMC Durham Research Center (DRC). The director will devote 0.1 FTE to the proposed Center administrative activities. An office will be designated for the proposed CDDN in the DRC for the Center administrator (TBA). The level of participation in the proposed Center by individual faculty members will be dependent on the extent of their research and collaboration activities, teaching and supervision of graduate students in the Center.

### **3. Constituencies to be Served**

The proposed Center will provide research services and foster collaborative research consistent with the mission of the University of Nebraska, the State of Nebraska, and federal agencies in the United States at-large. Initially, cancer and neurodegenerative disorders will be the primary focus of the proposed Center's research activities with other diseases such as diabetic retinopathy, being added as the programmatic collaborative research activities evolve in these areas. The proposed Center will seek funding for

collaborative research projects, and center and program project grants. Translational research efforts will be a high priority for the mission of the Center's research activities. The program goals of the proposed Center are:

- **Translational and Clinical Research.** To foster collaboration in translational and clinical research using novel drug delivery and nanomedicine technologies and further enhance support from national funding agencies and industrial sponsorship at University of Nebraska.
- **Industrial Collaboration and Sponsored Research.** To significantly enhance interactions of Nebraska researchers with the pharmaceutical and biotechnology industry.
- **Technology Transfer.** To enhance the creation, development and transfer of proprietary technologies in the field of drug delivery, gene delivery and nanomedicine.
- **Academic Excellence.** To enhance the technological and intellectual potential of the State of Nebraska by strengthening the existing expertise at the University of Nebraska and recruiting new world-class scientists from outside the state.
- **Educational and Social Contribution.** To contribute to the advancement of science, education and outreach activities in the State of Nebraska through the performance of world class research and dissemination of the results of such research *via* educational and public forums and other venues and settings.

#### **4. Alterations in Existing Faculty Activities**

Establishment of the proposed Center will not significantly alter the extent of the research activities of the director or faculty affiliated with the proposed Center. Rather, by enabling members to focus their research efforts and activities, there will be an increase in efficiency, improved organization and communication to expand basic and translational research. Moreover, the proposed Center will greatly enhance the prestige of the University as it bridges the basic science research in drug delivery and nanomedicine to complement the existing research infrastructure of the University in cancer and neurosciences.

#### **5. Center Administration and Budget**

The proposed CDDN will be administered by a director who will be appointed by and report to Dr. Clarence Ueda, Dean, College of Pharmacy, following approval by the UNMC Chancellor. To assist the director in administrative and programmatic matters, an associate CDDN director(s) may be appointed at a later date by the CDDN director with the approval of the College of Pharmacy Dean.

The UNMC College of Pharmacy will support a part-time, 0.5 FTE position (salary and benefits) for an administrative/staff assistant to a maximum of \$20,000 per year. The CDDN Director's salary will be paid by the College of Pharmacy, and Center faculty will be paid by their respective departments/units.

Additional administrative and operating expenses will be borne by one or more of the following sources: director's grants and contracts, Pharmaceutical Sciences Department operating budget, salary release dollars, and indirect cost recovery dollars. In addition, the proposed Center will apply for federal funding to support activities consistent with its mission. These will include, but are not limited to, a COBRE grant application, program project grant(s) and other sources of programmatic funding consistent with the National Nanotechnology Initiative. The proposed Center will also apply for an NIH training grant to support graduate research and training at the appropriate time. **Hence, no additional resources are being sought in conjunction with approval of this proposal to establish a Center for Drug Delivery and Nanomedicine.**

**6. Relationship of Center to the Mission of UNMC and UNL**

The activities of the proposed CDDN will address the mission of the University of Nebraska to pursue an active research program producing indirect and direct benefits to the state, patient care, and the well-being of citizens in Nebraska. The mission of UNMC is to improve the health of Nebraskans through premiere innovative research involving translational research to support existing programs at the Medical Center. The proposed CDDN will significantly contribute to the current research areas identified as priorities to UNMC including cancer, neurosciences and innovative biomedical technologies, and subsequently, to other emerging UNMC and University priority areas. The proposed CDDN will also contribute to the UNL College of Engineering and Technology strategic initiative to increase its competitiveness in biomedical engineering.

**7. Measures of Success**

The long term goal of the proposed CDDN is to become an independent, self-sustaining, nationally recognized center of excellence in drug delivery and nanomedicine. That includes the development of a strong cadre of productive CDDN researchers who have the ability to obtain resources to sustain the Center. The former will be achieved through successful mentoring of junior investigators as well as the recruitment and development of new CDDN faculty members. Successful faculty development and recruitment programs will strengthen the proposed Center and the overall research enterprise at the University of Nebraska.

The success of the proposed Center will also result in an increase in the level of the extramural research support. There would be a significant funding increase through NIH or other federal grants submitted by CDDN scientists. The proposed CDDN director submitted a COBRE proposal in 2003/2004 and will attempt to obtain training grants from federal sources. Another mechanism to support the proposed CDDN research activities is through program project grants. The proposed CDDN plans to obtain program funding through the NIH or other agencies. A strong program in drug delivery and nanomedicine with productive scientists and collaborations should increase the success rate of grant submissions. This, in turn, will strengthen the core facilities and further propel University and campus research initiatives. The successful establishment of a research program focused on drug delivery and nanomedicine, development of new productive collaborations within the proposed CDDN, support of these collaborations by the UNMC and UNL core facilities, all will contribute to the accomplishment of the Center's goals.

The specific measures/criteria of success will include number of research publications in peer-reviewed journals, book chapters and books written/edited, scientific presentations, and invited presentations by Center faculty members, number of patents filed and issued, number of grants submitted and funded, amount of research funding, program size, growth of requests for CDDN membership, number of graduate students and post-doctoral scientists successfully trained, number of visiting scientists and guest speakers, conferences and meetings organized and other measures of success consistent with the Center's mission.

**8. Immediate and Long Term Costs**

The UNMC College of Pharmacy will support a part-time, 0.5 FTE position (salary and benefits) for an administrative/staff assistant to a maximum of \$20,000 per year. The Office of the UNMC Vice-Chancellor for Research will support three CDDN research faculty positions for three years. For the latter research positions, it is expected that each person filling these positions will fund their entire salary from their research grant(s) and contract(s) at the end of the three year period. Other sources of (partial) support for these positions would be derivable from the following sources: Center project

grants/contracts, Pharmaceutical Sciences Department operating budget, and indirect cost recovery dollars.

**9. Impact on Library and Information Technology Needs**

No additional library or computer needs will arise from the establishment of the proposed Center since the CDDN faculty will use their existing research laboratory and office spaces.

**10. Facility Needs**

The proposed Center will not require any additional specialized facilities to carry out its research and teaching missions. The proposed Center will use existing space in the DRC and elsewhere on the Medical Center and Lincoln campuses and Creighton University.

**11. Anticipated Outcomes and Significance**

The proposed CDDN would greatly enhance the contribution, visibility and recognition of drug delivery and nanomedicine research at the University of Nebraska. A multidisciplinary group of well-recognized and well-funded scientists is in place to serve as a nucleus for future growth in these important emerging biomedical areas. Drug delivery and nanomedicine research are key elements for the development of effective therapies for new and unmet medical needs. The proposed CDDN will significantly enhance innovation and technological potential in the State of Nebraska (economic development) and, ultimately, will provide major benefits to the health and well-being of Nebraskans. The envisioned outcomes of the proposed Center are:

- Foster translational and clinical research at the University and enhance the environment for the clinical evaluation of novel drug formulations and biopharmaceuticals at UNMC.
- Strengthen and augment industrial partnerships beyond the current limitations imposed by University's geographical location.
- Enhance the current level of sponsored and collaborative research activities/projects through federal and industrial sources.
- Enhance the current environment for innovation in drug delivery and nanomedicine research and technology transfer.
- Enhance partnerships with industrial entities to foster development of proprietary technologies in the areas of drug delivery and nanomedicine.
- Enhance recruitment and retention of outstanding scientists at the University of Nebraska in the areas of drug delivery and nanomedicine research.
- Enhance training of graduate and professional students through a focus on a cutting edge drug delivery research.
- Enhance the national and international recognition of the University of Nebraska in the area of drug delivery and nanomedicine.
- Enhance the national and international image, recognition and standing of the University of Nebraska as a major research institution.

TO: The Board of Regents  
Academic Affairs

MEETING DATE: October 29, 2004

SUBJECT: Establishment of the Center for Research in Leukemia and Lymphoma.

RECOMMENDED ACTION: Approval is requested to establish the Center for Research in Leukemia and Lymphoma.

PREVIOUS ACTION: None

EXPLANATION: Over the past twenty years, Nebraska has developed a national and international reputation in transplantation for leukemia and lymphoma. That has been accompanied by a growth in research activities in related areas and, in recent years, a greater emphasis on translation of the basic research findings to the clinic. It is the vision of this center to provide an enhanced environment to promote the increasing interactions of basic scientists and clinical scientists who share interests in these hematological malignancies. The presence of a formally established center will facilitate obtaining additional extra-mural research support from the NIH and various other local, regional and national funding bodies. The long term outcome of these interdisciplinary and translational studies will be seen through better diagnosis and treatment of lymphoma and leukemia for Nebraskans as well as patients worldwide.

PROJECT COST: \$25,000 per year

SOURCE OF FUNDS: Internal reallocation

SPONSORS: Rubens J. Pamies, M.D., Vice Chancellor for Academic Affairs  
University of Nebraska Medical Center  
  
Thomas G, Rosenquist, Ph.D., Vice Chancellor for Research  
University of Nebraska Medical Center

APPROVAL: \_\_\_\_\_  
Harold M. Maurer, M.D., Chancellor  
University of Nebraska Medical Center

DATE: October 7, 2004

**Proposal to Establish:**

**The UNMC Center for Research in Leukemia and Lymphoma**

Submitted By:

Rubens J. Pamies, M.D.  
Vice Chancellor for Academic Affairs, UNMC

Thomas H. Rosenquist, Ph.D.  
Vice Chancellor for Research, UNMC

Harold M. Maurer, M.D.  
Chancellor, UNMC



## **1. Purpose and Context of the Center for Research in Leukemia and Lymphoma**

The vision in establishing this center is to provide an appropriate environment to facilitate interactions among clinical and basic science investigators interested in various aspects of research in hematologic malignancies. Such malignancies would include Hodgkin's disease, non-Hodgkin's lymphomas, acute and chronic leukemias, myelodysplasia, and multiple myeloma. One important goal of this center proposal is to enhance the basic, translational, and clinical research activities in hematologic malignancies for the purpose of obtaining substantial state-sponsored, foundation-sponsored, and NIH or NIH-equivalent grant funding leading to better understanding of the diseases and resulting in improved therapies.

The mission of the Center will be to facilitate the study of lymphoma and leukemia among investigators from various academic and clinical disciplines and thereby promote the development of translational research leading to enhanced diagnosis and treatment.

An administrative structure, continued development of research laboratories in proximity to other researchers in hematologic malignancies, and promotion of combined research conferences and laboratory meetings are planned for immediate implementation. The Center will focus primarily on: 1) molecular genomics of lymphoma and leukemia with identification of key genes that could be targeted for therapeutics; 2) epidemiologic research, including population based-studies, utilizing the large specimen repository of lymphomas with special emphasis on lymphomas from Nebraska and surrounding areas; 3) immunologic research in lymphoma, leukemia and myeloma using animal models and targeted therapies, leading to development of improved therapies for patients; 4) new and innovative clinical trials for patients with hematologic malignancies based on our own translational research.

## **2. Historical Context of the Center**

The clinical and translational research in lymphoma at UNMC has a rich history after the initiation of the program in 1984 by Drs. James Armitage and Dennis Weisenburger. They established the Nebraska Lymphoma Study Group (NLSG) which brought together oncologists and pathologists in the surrounding region to collect tissue specimens and clinical data on patients with Hodgkin's disease and non-Hodgkin's lymphoma. To date, more than 34,000 specimens have been stored with linked clinical information in over 15,000 patients. This resource has been invaluable in recognizing clinical prognostic variables and enabled our team to participate in high-profile gene expression microarray analyses of non-Hodgkin's lymphomas. More recently, expanded areas of research have also included epidemiologic studies into the causes and genetic susceptibility of Nebraskans to lymphoma, and the application of novel therapies for patients with leukemia and lymphoma. Several of these clinical trials have led to changes in the way that these disorders are treated around the world. Functional genomic analyses of chronic lymphocytic leukemia has lead to gene targeting approaches and improved cytotoxicity of tumor cells in the laboratory. However, interactions between the basic and clinical scientists need to be fostered so that new discoveries can be translated into new and better therapies for patients with these disorders.

### 3. Staffing and Administration of the Center

The Center is a multi-disciplinary, multi-departmental entity involving faculty from several UNMC basic science and clinical departments, and Eppley Cancer Institute. The Center Director, Dr. Julie M. Vose, is a Professor, and Chief of the Section of Hematology/Oncology at UNMC. The Center Co-director is a clinical pathologist and basic scientist, Dr. Wing C. Chan. Additional faculty will include:

*From Hematology and Oncology, UNMC*

James O. Armitage, M.D.  
Phillip J. Bierman, M.D.  
Gregory Bociek, M.D.  
Marcel Devetten, M.D.  
Lori Maness, M.D.  
Stefano Tarantolo, M.D.  
Timothy McKeithen, M.D., Ph.D.

*From Radiation Oncology, UNMC*

Charles Enke, M.D.

*From Pathology & Microbiology, UNMC*

Patricia Aoun, M.D.  
Wing C. Chan, M.D.  
Dennis D. Weisenburger, M.D.  
Timothy Greiner, M.D.  
John Jackson, Ph.D.

*From Pediatrics, UNMC*

Warren Sanger, Ph.D.  
Bhavana Dave, Ph.D.

*From Genetics, Cell Biology and Anatomy, UNMC*

Shantaram Joshi, Ph.D.  
Graham Sharp, Ph.D.

*From the Eppley Institute for Cancer Research*

Christine Eishen, Ph.D.  
Xu Luo, Ph.D.

In addition, plans within the Hematology and Oncology section call for the recruitment of at least three new basic and translational researchers over the next three years. These faculty will work in the areas of molecular genetics, signal transduction, and targeted therapies for hematologic malignancies and will all become members of the Center. The research areas are described in more detail under section 6 of this proposal: "Faculty and Facility Needs."

Future activities of the Center will include expanded molecular genetics/genomics and proteomics and thus have the potential to bring in additional Center members in the area of Bioinformatics. In addition to those at UNMC, there are potential collaborators in that broad and growing discipline on the UNO and UNL campuses. The intent is to invite them to participate in the center as those areas mature and develop further.

Director: Julie M. Vose, M.D. will serve as the first Director for the UNMC Center for Research in Leukemia and Lymphoma. She is a Professor of Internal Medicine and Chief of the Section of Hematology/Oncology at UNMC. She received her M.D. degree from UNMC in 1984 and subsequently did her Internal Medicine Residency and Hematology/Oncology Fellowship training at UNMC. She has been on the UNMC faculty since 1990, with promotion to Professor in 1998. She also spent a one year faculty development leave with Dr. Ron Levy at Stanford University in 1999. As of January 1, 2003, Dr. Vose was named the Chief of the Section of Hematology/Oncology at UNMC. She has become an internationally recognized leader in the field of clinical and translational research in lymphoma at UNMC over the past 15 years.

Basic Science Co-Director: Wing C. Chan, M.D. will serve as the laboratory Co-director of the Center. Dr. Chan is a Professor in the Department of Pathology and Microbiology at UNMC. His NIH-funded laboratory studies the biology and molecular genetics of lymphoma. He is the Principal Investigator of the NCI SPORE and Lymphoma/Leukemia Molecular Profiling Project at UNMC and plays a key role in the translational research in lymphoma at UNMC.

Administrative Structure: The Center will be a joint venture between the faculty and departments represented by the above referenced investigators. The Director is located in the Section of Hematology/Oncology and will devote 0.1 FTE to the Center. Funding and an office will be provided for an Administrative Assistant who will devote 0.5 FTE to the Center. This administrative structure is important to plan and facilitate the submission of various grant applications including program-project or SPORE applications.

#### **4. Alterations in Existing Facilities and Activities**

Establishment of the Center will significantly enhance the activities of the faculty in the program, by providing the administrative support needed to focus and develop our research efforts in clinical and translational research. A primary goal of the Center is to facilitate the efforts of our inter-disciplinary research group in hematologic malignancies which will pursue large NIH-funded research grants and enhance the prestige of UNMC in the field of cancer research.

#### **5. Measure of Success**

The ultimate success of the Center for Research in Leukemia and Lymphoma will rest on its ability to successfully compete for grant monies and perform translational research which is published in peer-reviewed journals. The Center will focus on basic and translational research grants and contracts, which allow us to apply our research efforts in development of novel therapies for patients with hematologic malignancies. In addition, the formation of this Center will provide an exciting scientific atmosphere which will attract graduate students, post-doctoral fellows, and clinical fellows for ongoing research and education.

## 6. Faculty and Facility Needs

Additional facilities required for the continued development of the Center for Research in Leukemia and Lymphoma are already under committed and include five lab modules in the Lied Transplant Center as well as the space currently occupied by the Center members. The new space became available when the Durham Research Center opened in the fall of 2003. The administrative offices of the Center will be housed in the Section of Hematology/Oncology on the 8<sup>th</sup> floor of the Lied Transplant Center. The shared resources that are needed for the Center investigators are already present at UNMC.

Specific targeted recruitments, already planned within the Hematology/Oncology section in the following areas, will be pursued:

1. Lymphocyte Signal Transduction: A focused recruitment of an individual with expertise in signal transduction pathways important for the proliferation, differentiation and survival of lymphocytes will be undertaken. A current and growing strength at UNMC is the use of molecular genomics to identify genes whose expression is particularly associated with specific subtypes of leukemia and lymphoma. Only some of the proteins encoded by these candidate genes will prove to be appropriate targets for novel therapies. Signal transduction studies will be critical in determining which of these candidate gene products play a central role in the subversion of normal signal transduction pathways by the cancer cells. New techniques in genomic and proteomic analysis, as well as other approaches such as RNA interference, will determine the roles of various candidate proteins in signal transduction. This new investigator will provide leadership in the identification of critical pathways, and will collaborate with other investigators to identify promising molecular targets to be tested in animal models and, ultimately, in patients .
2. Tumor Immunology Recruitment: A focused recruitment of an individual with expertise in cellular and tumor immunology will be undertaken. This person will participate in the development of dendritic cell-based therapeutic strategies to eliminate residual leukemia/lymphoma cells in patients following high dose therapy with stem cell transplantation. Dendritic cells (DCs) are well known for their ability to present antigen and initiate the immune response against cancer cells, including leukemia/lymphoma. Dendritic cells have been used by investigators in the treatment of different malignancies. The Stanford group has reported that autologous DCs pulsed *ex vivo* with lymphoma-specific idiotype protein can stimulate host antitumor immunity when infused as a vaccine, with the induction of a complete or partial responses. The ideal situation will be to use DC-based therapy in lymphoma/leukemia patients to eliminate residual tumor cells following cytoreductive therapy in order to achieve long-term, disease-free survival. Results from published literature and studies done at UNMC studied autologous hybrid cell vaccination is a safe and effective immunotherapy for human malignancies. In the case of hematological malignancies, boosting the patient's own immune response is essential since immune suppression due to prior therapy and/or tumor load needs to be overcome. Our preliminary studies have shown the therapeutic effects and potential of DC-based immunotherapy against lymphoma , and development of a research program at UNMC In this important area is clearly needed.
3. Molecular Genetics: The focused recruitment of a researcher with expertise in the identification of novel genes involved in recurrent genetic abnormalities that determine tumor biology and progression will be undertaken. Characterization of the functional derangements associated with these genetic lesions is crucial for understanding the biologic consequences in leukemia and lymphoma. Such insights will be important for the discovery of novel targets that

are promising for therapeutic intervention. This area of research will employ diverse molecular genetic techniques, and requires expertise in cell biology and genetic pathways that contribute to the development of tumors. An investigator with research experience in these areas is essential to enhance our efforts in basic and translational research. This individual is expected to interact closely with other Center investigators, especially groups working on gene expression profiling of lymphomas, lymphocyte biology and cytogenetics.

**7. Advisory Committees**

a. Internal Advisory Committee (IAC):

- James O. Armitage, M.D. - Professor and Joe Shapiro Chair, Oncology; Internal Medicine, College of Medicine
- Kenneth Cowan, M.D., Ph.D. – Professor of Internal Medicine and Director, Eppley Institute
- Samuel Cohen, M.D. – Havlik/Wall Centennial Professor and Chair, Pathology/Microbiology
- David A. Crouse, Ph.D. – Associate Vice Chancellor, Academic Affairs; Professor, Genetics Cell Biology & Anatomy
- Thomas Rosenquist, Ph.D. – Vice Chancellor for Research; Professor, Genetics Cell Biology & Anatomy

b. External Advisory Committee (EAC):

- Ronald Levy, M.D. - Stanford University School of Medicine
- James Downing, Ph.D. – St. Jude Children’s Research Hospital
- Michelle LeBeau, M.D. – University of Chicago
- Andrew Zelenetz, M.D., Ph.D. – Memorial Sloan-Kettering Cancer Center

Ongoing evaluation for the Center will be through a yearly evaluation by the Internal Advisory Board, annual phone-conference meeting with the External Advisory Committee as well as a site visit by the EAC once every 3 years.

**Proposed Budget (Oct 2004 - Oct 2007)**

| <u>Expenses:</u>                                                | <u>Year 1</u> | <u>Year 2</u> | <u>Year 3</u> |
|-----------------------------------------------------------------|---------------|---------------|---------------|
| Director 0.1 FTE                                                | 0             | 0             | 0             |
| Administrative Assistant (0.5 FTE)                              | \$20,000      | \$20,000      | \$20,000      |
| Operational                                                     | \$ 5,000      | \$ 5,000      | \$ 5,000      |
| (IAC and EAC meetings/phone conference calls - office supplies) |               |               |               |

All resources, including those necessary for planned recruitments, start-up funds and ongoing development of core labs will be provided by internal reallocation of existing budgets in the section of Hematology/Oncology, Internal Medicine, College of Medicine, UNMC.

TO: The Board of Regents  
Business Affairs

MEETING DATE: October 29, 2004

SUBJECT: Interlocal Cooperation Agreement between the Division of Communications of the Department of Administrative Services of the State of Nebraska and the Board of Regents of the University of Nebraska.

RECOMMENDED ACTION: Approve the Interlocal Cooperation Agreement between the Division of Communications of the Department of Administrative Services of the State of Nebraska and The Board of Regents of the University of Nebraska.

PREVIOUS ACTION: None

EXPLANATION: This proposed interlocal agreement, sets forth a working agreement between the State of Nebraska Division of Communications (DOC) and the Board of Regents relating to the establishment and joint operation of a statewide telecommunications network and related services.

The statewide network, known as "Network Nebraska", was envisioned by the Nebraska Information Technology Commission (NITC) in an effort to aggregate demand and lower telecommunications costs for political subdivisions throughout the state.

The DOC and the University, through Computing Services Network, will work together to buy bulk telecommunications capacity. This capacity will be billed to potential users in order to recover costs and maintain and grow the network. Potential users include Nebraska higher education, K-12 districts, ESU's, libraries, state agencies and local governments.

A separate "user agreement" between Network Nebraska and each user will control access to the network for internet access and other related services.

Members of the public and news media may obtain a copy of the proposed agreement in the Office of the University Corporation Secretary, 3835 Holdrege Street, Lincoln, Nebraska 68583, between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday, except University holidays.

ON-GOING FISCAL IMPACT: None

SOURCE OF FUNDS: Revolving Funds

SPONSOR: Walter Weir  
Chief Information Officer

APPROVAL: \_\_\_\_\_  
Kim M. Robak  
Corporation Secretary

DATE: October 11, 2004

TO: The Board of Regents  
 Business Affairs

MEETING DATE: October 29, 2004

SUBJECT: University of Nebraska-Lincoln (UNL) Harper-Schramm-Smith Dining Services Renovation Program Statement, Budget and Resolution

RECOMMENDED ACTION: Approve the UNL Harper-Schramm-Smith Dining Services Renovation Program Statement, Budget and attached Resolution.

PREVIOUS ACTION: March 1, 2003 - The University Housing master plan, which included the Harper-Schramm-Smith Dining Services Renovation, was presented to the Board.

EXPLANATION: The project will renovate the existing Harper-Schramm-Smith Dining Services facility located within the Harper-Schramm-Smith Residential Complex on City Campus of UNL. The project will include:

- 1) reconfiguration of the serving area to better meet student needs,
- 2) improvement of the building heating, ventilation, and air conditioning systems,
- 3) improvement of the building exiting and accessibility,
- 4) renovation of multipurpose meeting/conference rooms and office spaces, and
- 5) installation of an elevator.

The agenda item, if approved, also approves the attached Resolution which allows expenditure of the budgeted project cost from existing bond surplus funds relating to housing. Section 6.2 of the Bond Resolution (December 1, 1964) requires the Board to keep the “facilities” in good repair, working order and condition, and make all necessary and proper repairs. The housing master plan, presented to the Board in March 2003, provided the option of either bond financing or surplus fund expenditures for this portion of the HSS project. Housing management has elected the more conservative approach of utilizing surplus funds. As such, no borrowing will be required for this portion of the improvements. This is the last phase in the plan to complete the current renovation of the entire Harper, Schramm, Smith complex.

|                                     |              |
|-------------------------------------|--------------|
| Proposed start of construction      | June 2005    |
| Proposed completion of construction | January 2006 |

PROJECT COST: \$5,595,000

|                         |                                         |             |
|-------------------------|-----------------------------------------|-------------|
| ON-GOING FISCAL IMPACT: | Annual Operating Costs<br>2% Assessment | None<br>N/A |
|-------------------------|-----------------------------------------|-------------|

SOURCE OF FUNDS: Bond Surplus Funds



SPONSORS:

James V. Griesen  
Vice Chancellor for Student Affairs

Christine A. Jackson  
Vice Chancellor for Business & Finance

APPROVAL:

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Harvey Perlman, Chancellor  
University of Nebraska-Lincoln

DATE:

October 13, 2004

## RESOLUTION

BE IT RESOLVED by the Board of Regents of the University of Nebraska (the "Board") as follows:

1. The Board hereby finds and determines:
  - (a) Pursuant to its Bond Resolution dated as of December 1, 1964, authorizing the issuance of Revenue Bonds by the Board (the "Resolution"), the Board has heretofore issued revenue bonds payable from the revenues and fees derived from the ownership and operation of the dormitories and other facilities for the housing and boarding of students, student unions, student health facilities and other facilities for the activities of students located on the campus of the University of Nebraska-Lincoln, under which a Surplus Fund was created;
  - (b) Section 6.2 of the Resolution requires the Board to operate the "facilities" (as defined in the Resolution) in an efficient, sound and economical manner and to keep all facilities and betterments thereto in good repair, working order and condition and to make all necessary and proper repairs, renewals, replacements, additions, extensions and betterments thereto, so that at all times the business carried on in connection therewith shall be properly and advantageously conducted.
  - (c) The "facilities" include the Nebraska Unions and all facilities and structures for the housing and boarding of students located and currently or hereafter existing on the campus of the University of Nebraska-Lincoln, which facilities require certain renewals, replacements, additions, betterments and extensions to maintain the Revenue and Fees. In order to accomplish such renewals, replacements, additions, betterments and extensions, the sum of \$5,595,000 should be expended for the renovation of the Harper-Schramm-Smith dining facility from the Replacement Fund.
2. Authorization. The Board hereby authorizes the transfer of up to \$5,595,000 from the Surplus Fund established pursuant to the Resolution to the Replacement Fund, and the expenditure of up to \$5,595,000 from the Replacement Fund for the project herein identified. The Vice Chancellor for Business and Finance at the University of Nebraska-Lincoln is hereby designated as the University representative who may certify to the Trustee the specific payments to be made from the Replacement Fund.
3. Surplus Fund. There currently are monies or investments in the Surplus Fund including accruals in excess of \$5,595,000.

**University of Nebraska-Lincoln (UNL)**  
**Harper-Schramm-Smith Dining Services Renovation**  
**Program Statement**

Campus: UNL-City Campus  
Date: September 17, 2004  
Prepared by: UNL Facilities Planning

Phone Number: 472-3131

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**1. Introduction**

a. Background and History

The Harper-Schramm-Smith Hall Dining Services facility is a 59,550 gross square foot building (basement, first, and second floors, and mechanical penthouse) constructed in 1967 as part of the Harper-Schramm-Smith (HSS) Residential Complex on the UNL City Campus. The complex is comprised of three student residence halls and a central dining facility connected by a tunnel system. The HSS Dining Services facility primarily serves students living in the HSS complex and receives very little walk-in traffic from other residence halls, off-campus students, or faculty.

The HSS Dining Services facility has not undergone any major renovation work since it was constructed. In recent years, the north dining area was redecorated and the dishwashing equipment replaced. The windows on the second floor were replaced in 2001. The Nebraska State Fire Marshall has recently identified deficiencies in the building exiting that must be corrected when the building is renovated.

b. Project Description

The project involves the renovation of the first and second floors of the HSS Dining Services facility to better serve students, upgrade the building heating, air-conditioning and ventilation system (HVAC), and addresses the Life-Safety Code deficiencies.

Proposed renovations include the following:

- Renovation of the Food Service and Residence Life office space.
- Renovation and reconfiguration of the main dining and serving area.
- Installation of an elevator for accessibility.
- HVAC and electrical systems upgrade.
- Re-configuration of building exiting.

c. Purpose and Objectives

Project goals include the following:

- Update food service preparation, presentation, and service model.
- Replace mechanical and electrical systems of food service area.
- Improve safety and accessibility for residents.

## 2. **Justification of the Project**

### a. Data that supports the funding request

Students living in the HSS complex are interested in a convenient on-campus dining service that offers a variety of menu selections in a welcoming and exciting atmosphere. These students expect food selections to be freshly prepared and reflect the trends experienced in the restaurant and food service industry. There is also a continually expanding demand for healthful meal choices and ethnic selections.

The original 1960's design for the HSS Dining Services facility centered on a straight-line meal service. Students and guests were served by dining services staff and there were limited menu selections. In the early 1980's the meal service changed to self-serve and has remained that style of service to date. Along with the change to self-serve, presentation changed within the physical constraints of the 1960's facility design with the salad bar and cold serving lines being moved to the dining room area. This resulted in an overall reduction in the dining room seating capacity.

The new vision for the HSS Dining Services facility is to be a youthful, home-away-from-home dining experience. HSS meal attendance comes primarily from freshman HSS complex students but the meal service must also be inviting to the upper class students of Husker Village where residents are not required to have meal plans. Also, meal attendance may be positively impacted because of UNL Housing's policy allowing students to eat their meals at any of the four residence hall dining services, East Campus Union, and lunch at the Hewitt Performance Buffet.

The HSS Dining Services facility is in the top three of highest daily attendance rates along with Abel/Sandoz and Selleck. It is expected that the 5-day and 7-day unlimited meal plans coupled with a renovated HSS Dining Services facility and new Husker Village will move the dining service from a place to eat meals to a destination for meals, snacks, and community.

In addition to the academic year, the HSS Dining Services facility provides meals for a variety of UNL summer youth programs. These programs include Nebraska Boys State; the International Thespian Festival; sports camps such as football, girls' volleyball, swimming, and wrestling, to name a few. Nebraska has built the largest summer conference program in the Big XII and encompasses guests from Lincoln, areas around Nebraska and the United States. Providing a state-of-the-art dining service to this roster of youth programs serves as a tremendous promotional tool for potential students to UNL.

b. Alternatives considered

Several alternatives have been considered in addition to the proposed plan. The first is to do nothing. With this alternative, the building code issues will have to be resolved in some fashion. Further, the quality of service for students will remain less than desirable.

The second alternative considered entails total demolition of the existing Dining Services facility at HSS and rebuilding a new facility to better serve student needs. The total construction cost of such an approach would be approximately \$9.3 million. This would include demolition of the existing facility and building a new two-story facility and basement of similar square footage. It does not include replacement costs for all of the food service preparation, presentation, and storage equipment.

**3. Location and site considerations**

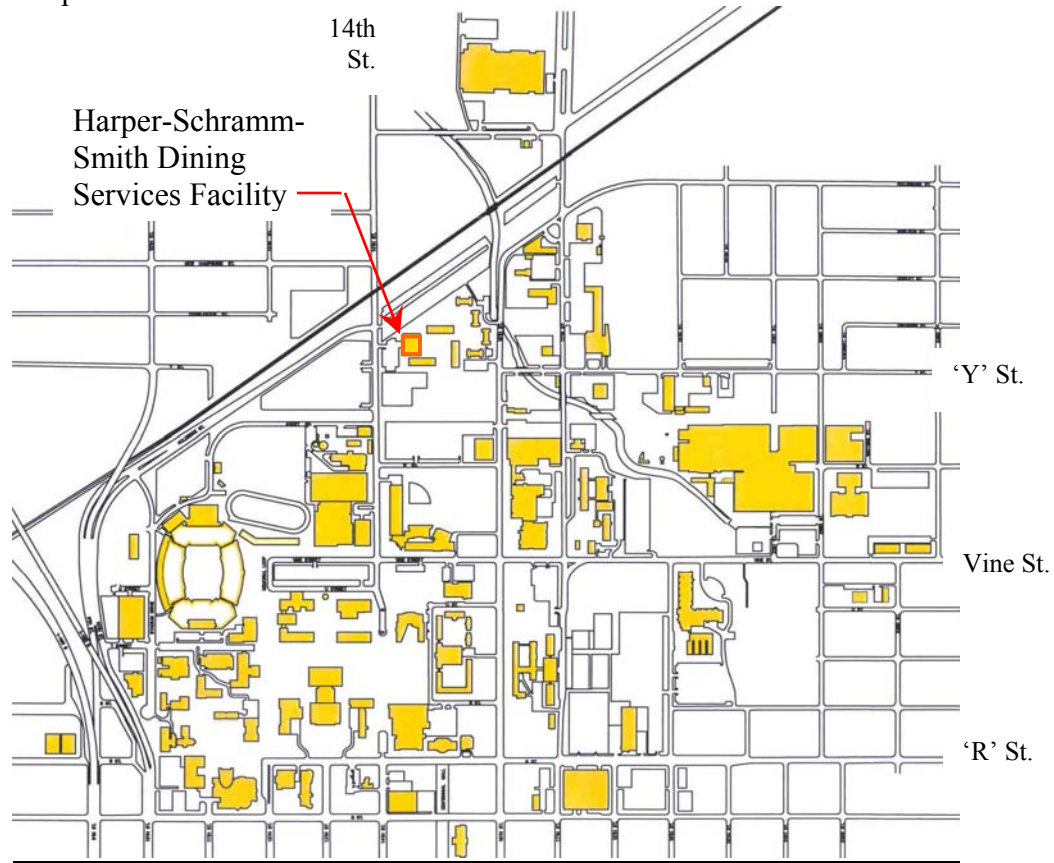
a. County

Lancaster

b. Town or campus

University of Nebraska-Lincoln City Campus

c. Proposed site



d. Statewide building inventory

DAS # 449

e. Influence of project on existing site conditions

(1) Relationship to neighbors and environment

The relationship of the building to the adjacent buildings will be not be impacted.

(2) Utilities

The Building is currently connected to campus chilled water, steam, electrical and telecommunication systems.

(3) Parking and circulation

Parking and circulation will not be impacted.

**4. Comprehensive plan compliance**

a. University of Nebraska Strategic Framework

The project complies with the objectives of the University of Nebraska Strategic Framework 2000-2004, adopted by the Board of Regents, February 26, 2000:

- *“Enhance the business and administrative operations of the University to support, serve and enhance the learning, research, and outreach goals of the University.”*
- b. Strategic Agenda of the University of Nebraska-Lincoln
- *“Ensure compliance with federal and state standards of accessibility, environmental quality, and work place safety in all UNL operations.”*
- c. UNL Campus Master Plan

While not specifically identified in the 1998 Campus Master Plan, the project and the proposed site are consistent with the concepts and intent of the document and do not conflict with any proposed future land use.

- d. UNL Housing Master Plan

The project complies with the objective of the UNL Housing Master Plan, presented to the Board of Regents in February 2003.

## **5. Analysis of existing facilities**

- a. Functions/purpose of existing programs as they relate to the proposed project

The HSS Dining Services facility serves over 500 students at breakfast and between 850 to 975 students at lunch and dinner. It is currently designed as a double-line serving system. It is based upon a standard of food service presentation and delivery approach appropriate for the time period when it was designed 40 years ago. Current food service delivery philosophy places much more emphasis upon the ability to provide variety. This includes not only variety of menu fare, but meal plans and seating options as well.

The proposed modifications to the food service delivery will be a change from the current serving line concept to a “scatter-scramble” system. In this system, patrons are provided much more in the way of options of amount and type of food. A scramble system also allows for a much freer flow of students through the system and is more suited to the varied schedule needs of students. All in all, the scramble system is much more appropriate to accommodate the wider variety of student needs as they pertain to individual preferences, eating habits, and nutritional needs. Historically, a clear benefit from providing wider choices in dining facility offerings has been increased usage of service-provided meal plans as well as an increased inclination to remain in University-sponsored housing.

Other modifications to the HSS Dining Services facility will provide greater flexibility for those areas on first floor that have been under-utilized or have become redundant within the HSS complex. At one time the recreation area and snack bar within the first floor of the HSS Dining Services facility served all three residence halls. With the advent of these types of facilities in each building, this area has become unnecessary. What has been lacking, however, are areas for scheduled formal and informal dining. The new plan offers a catered dining area that is capable of seating 375-400 people in a single group or simultaneously seating three groups, one serving 190-200 patrons with 75 persons seated in two other areas.

- b. Square footage of existing areas  
Current space utilization for the HSS Dining Services facility is as follows:

| Room Name/Type                          | Net Assignable<br>Square Feet |
|-----------------------------------------|-------------------------------|
| Basement                                |                               |
| Utility and Building Support            | 15,312                        |
| Ground Level                            |                               |
| Offices                                 | 1,164                         |
| Multi-purpose Area                      | 4,276                         |
| Student Study Area                      | 2,116                         |
| Food Service (Multi-purpose support)    | 489                           |
| Food Service Storage                    | 2,557                         |
| Upper Level                             |                               |
| Dining                                  | 10,694                        |
| Food Service Prep, Delivery and Storage | 6,397                         |

- c. Utilization of existing space by facility, room, and/or function

Currently, the basement is used primarily for two functions:

- It houses the majority of the mechanical and electrical equipment for the entire building.
- It provides storage and workrooms for the HSS Housing Complex maintenance and support staff.

The first floor (Ground Level) is divided into several general functions:

- A multi-purpose recreation room and snack bar for the HSS Housing Complex.
- A large, quiet study area for students.
- Office space for several UNL Housing staff members.
- The majority of freezer and dry storage space for food service operations.
- A loading dock and receiving area for the building.



The second floor (Upper Level) is the primary food service and delivery area for the building. As an amplification of the information presented in the above table, this area provides:

- Two separate dining areas.
- Two separate serving lines.
- Food preparation areas.
- Space for a walk-in cooler.

d. Physical deficiencies

Physical deficiencies within the HSS Dining Services facility are:

- This facility currently fails to meet exiting requirements for fire safety. There needs to be disparate exit routes to the outside. Further, the main stairs in the circulation lobby are not separated within fire-rated exit ways nor are they in a sprinkled space.
- The facility does not provide accessible routes to the Upper Level and therefore does not meet ADA guidelines. A public elevator is needed.
- The existing public restrooms do not meet ADA Guidelines.

e. Programmatic deficiencies

The following are areas in which the HSS Dining Services facility does not meet current program needs:

- The organization and layout of the food preparation and serving areas are out of date and are inconsistent with the UNL Food Service goals of providing a broad variety of meal and dining choices for students.
- The offices for the HSS Food Service Coordinator and the assistant are located on first floor and should be located adjacent to the food service operations for more efficient coordination.
- With the introduction of recreation area/snack bar areas in Harper, Schramm and Smith Halls, the need for similar space in the HSS Dining Services facility has been eliminated.
- There exists a need for formal catered dining/meeting space within the HSS Dining Services facility. Currently, dining space is used for this purpose but its availability is limited to only those hours that are not in conflict with student dining hours.

f. Replacement cost of existing facility

It is estimated that the construction costs to replace the HSS Dining Services facility would be approximately \$9.3 million. This figure is based upon the following assumptions:

- Two levels of food service, dining, office, and meeting space – \$6,450,000
- One basement level of support space – \$2,365,000
- Demolition of the existing facility – \$322,500

- New elevator car, equipment and shaft, 3 stops – \$150,000
- Landscaping – \$60,000

**6. Facility requirements and the impact of the proposed project**

a. Functions/purpose of the proposed program

(1) Activity identification and analysis

| Space Use Category | Space Use Name | Number of Spaces | NASF | Totals |
|--------------------|----------------|------------------|------|--------|
|--------------------|----------------|------------------|------|--------|

| <b>Category 300 - Office Facilities</b> |                   |   |       |       |
|-----------------------------------------|-------------------|---|-------|-------|
| 310                                     | Office Facilities | 6 | 1,220 |       |
| <b>Category 300 Total</b>               |                   |   |       | 1,220 |

| <b>Category 400 - Study Facilities</b> |            |   |       |       |
|----------------------------------------|------------|---|-------|-------|
| 410                                    | Study Room | 1 | 3,381 |       |
| <b>Category 400 Total</b>              |            |   |       | 3,381 |

| <b>Category 600 – General Use Facilities</b> |                       |    |        |        |
|----------------------------------------------|-----------------------|----|--------|--------|
| 630                                          | Food Facility         | 4  | 15,435 |        |
| 635                                          | Food Facility Service | 11 | 5,550  |        |
| 680                                          | Meeting Room          | 1* | 4,258  |        |
| 685                                          | Meeting Room Service  | 1  | 250    |        |
| <b>Category 600 Total</b>                    |                       |    |        | 25,493 |

| <b>Non-assignable Areas</b> |                   |          |       |       |
|-----------------------------|-------------------|----------|-------|-------|
| WWW                         | Elevator & Stairs | 3 levels | 2,475 |       |
| XXX                         | Rest Rooms        | 2        | 850   |       |
| <b>Non-assignable Total</b> |                   |          |       | 3,325 |

**Total NASF            33,419**

\*This space is dividable into smaller areas

(2) Basis for square footage/planning parameters

Square footage planning for the HSS Dining Services facility has been based on the following:

- University space guidelines.
- Accepted food service typical design parameters.
- Demonstrated user requirements.

- (3) Square footage difference between existing and proposed areas  
Square footage of usable space within the food service/dining area is not appreciably changed. The addition of an elevator and stair tower partially within the footprint of the building and partially outside the existing building will add approximately 2,625 gross square feet to the facility.

b. Impact of the proposed project on existing space

- (1) Reutilization and function

Some of the space within the HSS Dining Services facility will remain with little change other than HVAC system upgrades and will have no functional change as the result of this project. This space includes the loading dock area, the food storage area, and the basement level maintenance shops.

- (2) Demolition

Not applicable

- (3) Renovation

This project will involve renovation to the entire HSS Dining Services facility in some fashion but at widely varying levels of impact. The entire building will receive a HVAC system upgrade. Each area however will be renovated according to the needs of that area:

- The entire building will be fully equipped with a fire sprinkler system.
- The basement area will receive upgraded lighting only.
- The internal stairways located on the west side of the building will be modified to provide outside exiting in order to satisfy the requirements of appropriate fire exiting.
- On first floor, the student study area will receive light attention, primarily addressing cosmetic needs.
- On first floor, the recreation area will receive significant treatment to create the multipurpose meeting/conference rooms.
- On first floor, the existing stair runs will be removed and the restrooms will be expanded to adequately serve occupant load.
- On second floor, the recently remodeled dining area on the Upper Level will receive very minor touch-up as needed
- On second floor, the food preparation area, serving lines and dining area located on the south side of the building will receive extensive renovation treatment.
- On second floor, office space will be created for the Director of HSS Food Service and the staff.

## 7. Equipment Requirements

- a. List of available equipment for reuse

A significant portion of the kitchen equipment currently being used by the HSS Dining Services facility will be reused in the renovated facility.

- Newer tables and chairs.
- Walk-in freezers and coolers.
- Dish-washing machine and tray conveyors.
- Power-soak sink and disposal.
- Refrigerators.
- Steamers.
- Convection ovens.
- Blast chiller.
- Milk dispensers.
- Hobart floor mixer.
- Microwave oven.
- Soup wells.
- Soft-serve ice cream machines.

b. Additional equipment

A complete list of equipment will be developed in the design stage of the project. New serving lines with food heating and cooling capability will be required.

**8. Special Design Considerations**

a. Construction Type

Construction will be designed to comply with UNL Design Guidelines for Facilities, the 2003 International Building Code requirements and the Life Safety Code. Further, the design of the stair/elevator addition will be sympathetic to existing architecture, and existing environs.

b. Heating and cooling systems

The system will be a combination of water-cooled heat pumps, air handling units, and hot water heating. Outside air intakes will be relocated from the dock area to the roof, or a minimum of 10 ft. above grade on the north or east walls. Ventilation design for kitchen-hood makeup air and 20 cfm/person outside air will incorporate energy recovery. A control sequence for ventilation based on occupancy and hood operation will be important to reduce energy costs.

c. Life Safety/ADA

The proposed facility will be designed in accordance with the most current version of National Fire Protection Agency (NFPA) 101 - Life Safety Code.

The proposed facility will also be fully accessible under the terms of the Americans with Disabilities Act.

d. Historic or architectural significance

Not applicable

e. Artwork

Not applicable

f. Phasing  
Not applicable

g. Future expansion  
The need for future expansion of the HSS Dining Services facility is not anticipated. The facility is adequately sized to serve the students living in the HSS complex as well as those students that will be living in the adjacent Husker Village housing complex that elect to purchase a meal plan.

**9. Project budget and fiscal impact**

a. Cost estimates criteria

(1) Identify recognized standards, comparisons, and sources used to develop the estimated costs

The estimated probable costs of the project were developed based on past comparative construction cost data for UNL projects and from cost data received from other institutions that have constructed similar facilities.

(2) The estimate was prepared in September 2004 and was escalated at 2.5% per year to a mid-point of construction date of September 2005.

|                            |             |
|----------------------------|-------------|
| (3) Gross square feet      | 62,175 GSF  |
| Net assignable square feet | 33,419 NASF |

b. Total Project Cost

|                                              |      |
|----------------------------------------------|------|
| (1) Total project cost per gross square foot | \$90 |
| (2) Construction cost per gross square foot  | \$76 |

**Probable Construction Costs**

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**Construction Costs**

|                                    |                     |
|------------------------------------|---------------------|
| General Contractor                 | \$ 4,126,000        |
| Utilities Contractor               | \$ 30,000           |
| In House Labor                     | \$ 165,000          |
| Other Construction                 | \$ 28,000           |
| Telecommunications                 | \$ 8,000            |
| Construction Contingency           | \$ 389,000          |
| <b>Subtotal Construction Costs</b> | <b>\$ 4,746,000</b> |

**Non-construction costs**

|                                        |                   |
|----------------------------------------|-------------------|
| Movable Equipment                      | \$ 154,000        |
| Project Planning & Program Statement   | \$ 54,000         |
| A&E Basic Services                     | \$ 333,000        |
| A&E Additional Services                |                   |
| A&E Reimbursable Expenses              | \$ 27,000         |
| In House Services - Project Management |                   |
| --Project Management                   | \$ 86,000         |
| -- Inspection                          | \$ 57,000         |
| Other Consultants - Soils Report       | \$ 32,000         |
| Risk/Quality Management                | \$ 14,000         |
| Builders Risk                          | \$ 3,000          |
| Moving and Relocation                  | \$ 15,000         |
| Signage                                | \$ 2,000          |
| Other Non-Construction                 | \$ 29,000         |
| Non-construction Contingency           | \$ 43,000         |
| <b>Subtotal Non-Construction Costs</b> | <b>\$ 849,000</b> |

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|                            |                     |
|----------------------------|---------------------|
| <b>Total Project Costs</b> | <b>\$ 5,595,000</b> |
|----------------------------|---------------------|

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c. Fiscal Impact based upon first full year of operation

- (1) Estimated additional operational and maintenance costs per year  
None
- (2) Estimated additional programmatic costs per year  
None

- (3) Applicable building renewal assessment charges  
None

**10. Funding**

- a. Total funds required \$5,595,000
- b. Project Funding Source  
Bond Surplus Funds
- c. Fiscal year expenditures for project duration
  - 2004-2005 \$250,000
  - 2005-2006 \$5,345,000
  - Total Expenditures \$5,595,000

**11. Time line**

- a. Approval of Program Statement by Board of Regents October 29, 2004
- b. Issue Design-Build Request for Proposals February 2005
- c. Award of contract Design-Build contract April 2005
- d. Complete Design Development documents June 2005
- e. Start of construction July 2005
- f. Substantial completion and occupancy of building January 2006

**12. Higher Education Supplement**

- a. CCPE review will be required.
- b. Method of contracting

The project will be contracted as a Design-Build project.

TO: Board of Regents  
Business Affairs

MEETING DATE: October 29, 2004

SUBJECT: School as Lender Program for University of Nebraska-Lincoln (UNL)  
Graduate and Professional Students under the Federal Family  
Educational Loan Program (FFELP)

RECOMMENDED ACTION: Approve five proposed agreements, two with NELNET, Inc., one with  
National Educational Loan Network, Inc., and two with Union Bank and  
Trust Company, for the FFELP/School as Lender Program at UNL to  
provide student loans to graduate and professional students.

PREVIOUS ACTION: None.

EXPLANATION: In May, 2004, UNL issued a formal Request for Proposals (RFP) from  
qualified firms to provide professional student loan financial services to  
the University associated with the FFELP/School as Lender Program for  
graduate and professional students.

Five proposals in response to the RFP were received in June, 2004.  
After completing a process to evaluate each proposal, UNL is requesting  
that the Board of Regents approve five separate written agreements,  
namely a Loan Origination Agreement with NELNET, Inc.; a Loan  
Servicing Agreement with NELNET, Inc.; a Participation Agreement  
with National Educational Loan Network, Inc.; a Student Loan Trust  
Agreement with Union Bank and Trust Company; and a Forward  
Purchase Agreement with Union Bank and Trust Company, all of which  
will be necessary for operation of the student loan program for an initial  
term ending on June 30, 2008. These five agreements are described in  
more detail in the attached White Paper relating to the School as Lender  
Program and the RFP process.

Copies of the five agreements described above have been filed in the  
Office of the Corporation Secretary of the University of Nebraska, 3835  
Holdrege Street, Lincoln, Nebraska, 68583-0745, and may be examined  
there between the hours of 8:00 a.m. and 5:00 p.m., Monday through  
Friday, except University holidays.

PROJECT COST: None

ON-GOING FISCAL  
IMPACT: None

SOURCE OF FUNDS: None



SPONSORS:

Christine A. Jackson  
Vice Chancellor for Business & Finance

James V. Griesen  
Vice Chancellor for Student Affairs

APPROVAL:

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Harvey Perlman, Chancellor  
University of Nebraska-Lincoln

DATE:

September 30, 2004

# UNIVERSITY OF NEBRASKA – LINCOLN

## WHITE PAPER

October 2004

### School as Lender Program

#### ***Background/Introduction***

Prior to 1992, colleges and universities had only one choice for federal student loan funds. The Federal Family Educational Loan Program (FFELP) provided government subsidies and incentives in the form of guarantees against defaults to encourage private financial institutions to make loans to students. FFELP was a complex student loan process that included colleges and universities, lenders, guarantee agencies, and secondary markets.

In the early 1990's, the federal government proposed making student loans directly from the U.S. Treasury by raising capital through the competitive sale of federal securities. In 1994-95 a demonstration program of the Federal Direct Student Loan Program (Direct Lending) began with 104 colleges and universities as "early adopters." By 1995-96 over 1,400 colleges and universities, including the University of Nebraska – Lincoln, had moved to the Federal Direct Student Loan Program.

#### ***Direct Lending – Principal Components***

When Direct Lending began, it provided a simple, efficient process for making loans to students by eliminating multiple lenders, guarantee agencies, and secondary markets. The reduced cost of securing capital through a competitive bid process and interest income paid by student borrowers being returned to the U.S. Treasury was thought to provide significant savings to the federal government over the earlier FFELP program. Student borrowers appreciated the simpler application and disbursement process than currently available through FFELP while higher education institutions appreciate the simplified administrative process.

#### ***FFELP Update***

The market competition afforded by Direct Lending has resulted in enhancements to the FFELP program. The basic tenets of this federal program have remained unchanged. The loan process has been streamlined and web-based loan services are standard for the larger companies involved with the FFELP program. Through mergers of loan service providers, a few strong firms have emerged that are now providing an integrated "look and feel" to the FFELP that mimics Direct Lending. From a student's perspective, some

FFELP institutions have partnered with a narrow list of “preferred lenders” to provide a more simplified application and loan delivery process. In addition, the implementation of web-based loan services has enhanced service levels as well. Because of legal restrictions on direct lending and the increased competition among FFELP providers, student borrowers can often achieve better financial terms than available under Direct Lending.

### ***FFELP/School as Lender Program – Graduate and Professional Students Only***

The Higher Education Act of 1965, as amended, allows colleges and universities who so choose, to serve as a FFELP/School as Lender to graduate and professional students.<sup>1</sup> Participation in the FFELP as a School as Lender program provides an opportunity for UNL to share in the revenue generated from the FFELP Program. In the School as Lender Program, income is generated through (1) the interest income paid by graduate and/or professional student borrowers during the initial months of the life of a loan and (2) any premium income paid by the purchaser (private entity) of these student loans. Use of the income from a School as Lender Program is restricted by the Higher Education Act to (1) providing financial aid to students as well as (2) reasonable administrative costs associated with operating the program.

### ***UNL Request for Proposal***

In May 2004 UNL issued a request for proposals (RFP) from qualified firms to provide the loan services associated with the FFELP/School as Lender Program. As required by federal regulations, UNL’s participation is limited to graduate and professional students only. Five proposals were received in June, 2004. Through the bid evaluation process, UNL is requesting Board of Regents approval to contract with Nelnet, Inc. of Lincoln, Nebraska for these services.

If this contract with Nelnet is approved, UNL will be joining other colleges and universities participating in the School as Lender program including Michigan State University, Kansas State University, University of Oklahoma, Northwestern University, Johns Hopkins University, University of Virginia, and Wayne State University.

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<sup>1</sup> (The Higher Education Act specifically prohibits schools from serving as a lender to undergraduate students.)

## Contract Terms

The basic tenets of the proposed contract with Nelnet include:

- A three-year initial contract, with provision for 1-year renewals.
- Based on an estimated loan value of \$14 - \$15,000,000, UNL receives a 6.05% return less various program fees. Since the FFELP/School as Lender Program cannot be mandated for all students' use, UNL's income will be based on the actual loans processed. Below are three (3) potential revenue outcomes.

| Loan Participation | 100%        | 80%         | 60%          |
|--------------------|-------------|-------------|--------------|
| Income             | \$ 664,000  | \$ 530,000  | \$ 398,000   |
| Admin Costs        | \$ (65,000) | \$ (88,000) | \$ (110,000) |
|                    | \$ 599,000  | \$ 442,000  | \$ 288,000   |

Note: Lower participation rates means that students will be utilizing multiple lenders which increases administrative costs

The Nebraska Constitution prohibits entities of state government from extending credit that might result in a financial obligation of the State. Consequently, UNL's RFP required all bidders to provide a trustee to act on behalf of UNL in issuing student loans, and to guarantee that the University would have no liability for any student loan issued through the trustee. Union Bank and Trust Company will serve as the trustee.

UNL's proposed entry into the FFELP/School as Lender program has received extensive legal review. Both the initial RFP and final contract documents were reviewed by University Legal Counsel, a local attorney, and a nationally recognized firm that specializes in student lending issues.

The Board of Regents is being asked to approve five agreements in conjunction with this program. All agreements are between the University and the entity cited below.

- Student Loan Trust Agreement. Union Bank and Trust Company agrees to serve as the trustee for UNL in all aspects of UNL's school as lender program for an annual fee of \$500.
- Loan Origination Agreement. Nelnet, Inc., an affiliate of Union Bank and Trust, will perform all origination of guaranteed student loans under the Federal Family Education Loan Program to graduate level and professional student borrowers for the University of Nebraska-Lincoln, acting through its trustee, which will make the loan. Origination fees will be \$17 per loan. The term of this agreement runs until June 30, 2008, and it renews for one-year terms after the initial term unless a 180 day termination notice is given by either party.

- Loan Servicing Agreement. Nelnet will perform all servicing functions on the student loans originated under the Loan Origination Agreement for a fee of \$1.50 per account per month. Nelnet commits to provide the student borrower with the equivalent of a reduction of the origination fee by an amount equal to 1.5% of the principal balance of such loans upon the borrower making 12 on-time loan repayments. This agreement covers the servicing of student loans in compliance with the Higher Education Act for the life of such loans.
- Participation Agreement (Funding Mechanism). This agreement functions similarly to a line of credit in that funding for loans is provided, but does not constitute a loan. National Education Loan Network (a subsidiary of Nelnet) commits to fund student loans made by UNL's trustee by purchasing participation interests in such loans. The amount funded in the purchase of a participation interest is equal to the amount disbursed on the student loan. The cost of such funds is equal to the Commercial Paper rate plus 0.5% per annum.
- Forward Purchase Agreement. Union Bank agrees to purchase from UNL's trustee all guaranteed student loans made pursuant to UNL's School as Lender program within ninety (90) days after such loans are made. Union Bank will pay to UNL a premium equal to 6.05% of the outstanding principal of those loans. The initial term of this agreement runs until June 30, 2008, and renews for one-year terms after the initial term unless a 180 day termination notice is given by either party.

## **Conclusion**

UNL is pursuing this partnering opportunity as a win-win for UNL and our students. The program as proposed by Nelnet continues the processing advantages that all UNL students have enjoyed since 1994, UNL graduate and professional students will have a 0% loan origination fee<sup>2</sup>, and UNL will receive income to provide additional financial aid for our students.

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<sup>2</sup> Direct Lending has a 1.5% loan origination fee.

TO: The Board of Regents  
Business Affairs

MEETING DATE: October 29, 2004

SUBJECT: Huskers.com On-line Auction of Husker Memorabilia and Other Items

RECOMMENDED ACTION: Approve the implementation of an on-line auction program for University of Nebraska – Lincoln Department of Intercollegiate Athletics.

PREVIOUS ACTION: June 1, 2002 – The Board of Regents approved a license agreement, which provides for the creation and operation of the official website of the University of Nebraska – Lincoln Department of Intercollegiate Athletics (the “Website Agreement”).

EXPLANATION: On-line auctions of athletic memorabilia are increasingly popular with sports fans. Pursuant to the Website Agreement, UNL Athletics provides XOS Technologies, Inc. with website content, and XOS provides the software and other support services, which enable “www.huskers.com” to operate. XOS pays UNL Athletics a royalty percentage of gross income generated by the website. When the Website Agreement was negotiated, the parties recognized that opportunities for new sources of on-line revenue might arise. The on-line auction is such an opportunity.

XOS will provide the software needed to build a website auction platform. Items offered will include, but are not limited to: (1) salvaged and used goods, such as lockers, bricks, dirt, turf, balls, helmets, jerseys, uniforms, clothing, shoes and similar equipment that have value as a result of their association with UNL Athletics; (2) newly acquired items of memorabilia such as autographed balls, books or attire; (3) tickets to athletic contests or other events related to the promotion of Husker Athletics; and (4) experiences such as meals with coaches and staff, sitting in the press box, or assisting with the pre-game coin toss. XOS will pay UNL Athletics a 90% royalty of all gross income (less credit card transaction fees) generated by the auctioned items sold on the website auction. UNL requests authority to include this auction activity as an additional source of website revenue. This on-line auction agreement with XOS shall run through the “Initial Term” of the Website Agreement, i.e. May 31, 2006, at which time it may be renewed in accordance with the renewal provisions of the Website Agreement.

Absent Regents approval, certain items planned for inclusion on the web-based auction are personal property currently subject to Regents Policy 6.2.2, which in its subsection 5. provides that certain surplus personal property be offered to other University administrative units or state agencies prior to disposal. Items offered on Huskers.com on-line auction shall not be subject to this subsection 5. or any similar successor policy provision. Approval of this auction activity will allow the property described above to be directly sold to the public. The balance of Regents

Policy 6.2.2 remains applicable to the proposed on-line auction.  
Disposal of other UNL Athletics personal property not included among  
auction items will continue to follow existing Board of Regents policies.

SOURCE OF FUNDS: Not applicable.

SPONSOR: Christine A. Jackson  
Vice Chancellor for Business & Finance

APPROVAL: \_\_\_\_\_  
Harvey Perlman, Chancellor  
University of Nebraska-Lincoln

DATE: October 8, 2004

TO: The Board of Regents  
Business Affairs

MEETING DATE: October 29, 2004

SUBJECT: Capital Improvements for the Nebraska Unions and University Housing Facilities at the University of Nebraska-Lincoln (UNL)

RECOMMENDED ACTION: Approve the Resolution to authorize expenditure of up to \$1,094,950 for capital improvements for the Nebraska Unions and University Housing Facilities from the Replacement Fund of the Student Fees and Facilities Revenue Bonds at the University of Nebraska-Lincoln.

PREVIOUS ACTION: During the last five years the Board of Regents has approved similar requests as follows:

| <u>Prior Approvals</u> | <u>Amount</u> |
|------------------------|---------------|
| October, 2003          | \$ 832,568    |
| August, 2003           | 1,846,350     |
| January, 2003          | 1,855,255     |
| October, 2002          | 1,066,890     |
| October, 2001          | 749,197       |
| September, 2000        | 993,850       |

EXPLANATION: Section 6.2 of the Bond Resolution (December 1, 1964) requires the Board of Regents to keep the "facilities" in good repair, working order and condition, and to make all necessary and proper repairs. Section 6.12 of the Resolution requires the Board to comply with all statutes of the State of Nebraska. The improvements and modifications detailed on the accompanying pages represent the highest priority needs that have been identified by residents, user groups, and managers of these facilities.

PROJECT COST: \$1,094,950

SOURCE OF FUNDS: Student Fees and Facilities Revenue Bond Surplus Funds

SPONSORS: James V. Griesen  
Vice Chancellor for Student Affairs

Christine A. Jackson  
Vice Chancellor for Business & Finance

APPROVAL: \_\_\_\_\_  
Harvey Perlman, Chancellor  
University of Nebraska-Lincoln

DATE: October 11, 2004



## RESOLUTION

BE IT RESOLVED by the Board of Regents of the University of Nebraska (the "Board") as follows:

1. The Board hereby finds and determines:
  - (a) Pursuant to its Bond Resolution dated as of December 1, 1964, authorizing the issuance of Revenue Bonds by the Board (the "Resolution"), the Board has heretofore issued revenue bonds payable from the revenues and fees derived from the ownership and operation of the dormitories and other facilities for the housing and boarding of students, student unions, student health facilities and other facilities for the activities of students located on the campus of the University of Nebraska-Lincoln, under which a Surplus Fund was created;
  - (b) Section 6.2 of the Resolution requires the Board to operate the "facilities" (as defined in the Resolution) in an efficient, sound and economical manner and to keep all facilities and betterments thereto in good repair, working order and condition and to make all necessary and proper repairs, renewals, replacements, additions, extensions and betterments thereto, so that at all times the business carried on in connection therewith shall be properly and advantageously conducted.
  - (c) The "facilities" include the Nebraska Unions and all facilities and structures for the housing and boarding of students located and currently or hereafter existing on the campus of the University of Nebraska-Lincoln, which facilities require certain renewals, replacements, additions, betterments and extensions to maintain the Revenue and Fees. In order to accomplish such renewals, replacements, additions, betterments and extensions, the sum of \$1,094,950 should be expended from the Replacement Fund as indicated on the attached schedule.
2. Authorization. The Board hereby authorizes the transfer of up to \$1,094,950 from the Surplus Fund established pursuant to the Resolution to the Replacement Fund, and the expenditure of up to \$1,094,950 from the Replacement Fund for the projects herein identified. The Vice Chancellor for Business and Finance at the University of Nebraska-Lincoln is hereby designated as the University representative who may certify to the Trustee the specific payments to be made from the Replacement Fund.
3. Surplus Fund. There currently are monies or investments in the Surplus Fund including accruals in excess of \$1,094,950.

**University of Nebraska - Lincoln**  
 Capital Improvement Requests  
 October, 2004

| <b>SUMMARY</b>     |                   |
|--------------------|-------------------|
| Department         | Funding Requested |
| Nebraska Unions    | \$249,950         |
| University Housing | 845,000           |
| Grand Total        | \$1,094,950       |

**NEBRASKA UNIONS**  
 Detail of Improvement Requests

| Project                                                                | Location             | Funding Required | Justification                                                                    |
|------------------------------------------------------------------------|----------------------|------------------|----------------------------------------------------------------------------------|
| Fire Sprinklers                                                        | City Union           | 30,420           | Fire protection, per Fire Marshal                                                |
| Repair Room Partitions                                                 | City Union           | 2,700            | Maintain to keep operable                                                        |
| Renovation of "The Crib"                                               | City Union           | 10,000           | Prepare Design Proposal and Budget Estimate                                      |
| Roof Replacement                                                       | City Union           | 46,300           | Replace one section of flat roof (maintenance)                                   |
| Meeting Room, Office and Maintenance Equipment                         | City and East Unions | 16,000           | Replacements                                                                     |
| Computer Hardware                                                      | City and East Unions | 25,000           | Replacements and upgrades                                                        |
| Food Service Equipment                                                 | East Union           | 28,000           | New/replacements                                                                 |
| Remodel Union Offices Reception Area and Laptop Computer Checkout Area | City Union           | 22,530           | Improve customer service and enhance laptop computer checkout service            |
| Conference Tables and Stage Equipment                                  | East Union           | 6,100            | Replacements                                                                     |
| Surveillance System                                                    | City Union           | 2,500            | Information Desk security                                                        |
| Refurbish South Portion of Building                                    | City Union           | 11,240           | Upgrade oldest part of building and re-upholster lounge furniture to extend life |
| Exhaust System                                                         | City Union           | 16,000           | Vent chlorine vapors from fountain pump room, per EHS                            |
| Replace Section of Concrete on Memorial Plaza                          | City Union           | 4,950            | Repair broken concrete                                                           |
| Replace Fume Exhaust System                                            | City Union           | 17,000           | Replace unreliable exhaust fans                                                  |
| Refurbish Meeting Rooms and Staff Offices                              | Culture Center       | 11,210           | Replace worn carpets                                                             |
| Subtotal                                                               |                      | \$249,950        |                                                                                  |

**UNIVERSITY HOUSING**  
Detail of Improvement Requests

| Project                                             | Location                                             | Funding Required | Justification                                                                 |
|-----------------------------------------------------|------------------------------------------------------|------------------|-------------------------------------------------------------------------------|
| Asbestos/Mold Removal                               | Harper/Schramm/Smith Dining Center and System        | \$245,000        | Eliminate hazards in hot water tanks, equipment rooms and H/S/S Dining Center |
| Domestic Water and Sprinkler Water Line Replacement | Housing Office                                       | 15,000           | Reroute due to Antelope Valley Project                                        |
| Roof Replacement and Repair                         | Neihardt, Abel, Love Halls and Select Dining Centers | 35,000           | Eliminate water leaks                                                         |
| Trash Compactor Replacement                         | Schramm, Cather/Pound/Neihardt and Selleck Halls     | 40,000           | Cannot repair old units. Improves fire safety.                                |
| Caulking and Tuck Pointing                          | Cather/Pound/Neihardt and Abel/Sandoz Halls          | 75,000           | Eliminate water leaks                                                         |
| Begin Renovation of Wood Exterior                   | Neihardt Hall                                        | 50,000           | Replace and repaint 20+ year old exterior                                     |
| Cafeteria Serving Counters                          | Abel Dining Center                                   | 50,000           | Replace old counters/equipment                                                |
| Replace Roofs                                       | Fairfield and Benton Halls                           | 85,000           | Replace aging roofs                                                           |
| Exterior & Interior Door Locking Systems            | Abel/Sandoz Halls                                    | 175,000          | Install new card access system for greater security                           |
| Furniture Replacements                              | Abel/Sandoz Halls                                    | 75,000           | Replace old and worn furniture                                                |
| Subtotal                                            |                                                      | \$845,000        |                                                                               |

TO: The Board of Regents  
Business Affairs

MEETING DATE: October 29, 2004

SUBJECT: Improvements for the University of Nebraska-Lincoln (UNL) Parking and Equipment

RECOMMENDED ACTION: Approve the Resolution to authorize the expenditure of up to \$997,500 to improve certain property and equipment for parking operations at the University of Nebraska-Lincoln.

PREVIOUS ACTION: During the last five years the Board of Regents has approved similar requests as follows:

| <u>Prior Approvals</u> | <u>Amount</u> |
|------------------------|---------------|
| October, 2003          | \$916,000     |
| October, 2002          | 351,039       |
| October, 2001          | 710,926       |
| September, 2000        | 642,848       |
| October, 1999          | 301,980       |

EXPLANATION: Section 6.2 of the Bond Resolution (May 1, 1984) requires the Board of Regents to keep the "facilities" in good repair, working order and condition, and to make all necessary and proper repairs. Section 6.12 of the Resolution requires the Board to comply with all statutes of the State of Nebraska. The improvements and modifications detailed on the accompanying pages represent the highest priority needs that have been identified by managers of parking operations.

PROJECT COST: \$997,500

SOURCE OF FUNDS: Parking Revenue Bond Surplus Funds

SPONSOR: Christine A. Jackson  
Vice Chancellor for Business & Finance

APPROVAL: \_\_\_\_\_  
Harvey Perlman, Chancellor  
University of Nebraska-Lincoln

DATE: October 11, 2004

## RESOLUTION

BE IT RESOLVED by The Board of Regents of the University of Nebraska (the "Board") as follows:

1. The Board hereby finds and determines:
  - (a) Pursuant to its General Bond Resolution dated as of May 1, 1984, authorizing the issuance of Revenue Bonds by the Board (the "Resolution"), the Board has heretofore issued revenue bonds payable from the revenues and fees derived from the ownership and operation of the parking facilities located on the campus of the University of Nebraska-Lincoln under and pursuant to the Second Supplemental Resolution to the Second series Resolution dated as of December 15, 1992 (the "Second Series Resolution"), which created a Second Series Surplus Fund in accordance with Section 3.9 of the Resolution.
  - (b) Section 6.2 of the Resolution requires the Board to operate the facilities in an efficient, sound and economical manner and to keep all facilities and betterments thereto in good repair, working order and condition and to make all necessary and proper repairs, renewals, replacements, additions, extensions and betterments thereto, so that at all times the business carried on in connection therewith shall be properly and advantageously conducted.
  - (c) The "Second Series Facilities" include all parking facilities and structures located and currently or hereafter existing on the campus of the University of Nebraska-Lincoln, which parking facilities require certain renewals, replacements, additions, betterments and extensions to maintain the Second Series Revenues and Fees. In order to accomplish such renewals, replacements, additions, betterments and extensions, the sum of \$997,500 should be expended from the Second Series Surplus Fund as indicated on the attached schedule.
2. Authorization. The Board hereby authorizes the expenditure of up to \$997,500 from the Second Series Surplus Fund established pursuant to the Resolution for the project herein identified. The Vice Chancellor for Business and Finance at the University of Nebraska-Lincoln is hereby designated as the University representative who may certify to the Trustee the specific payments to be made from the Second Series Surplus Fund.
3. Surplus Fund. There currently are monies or investments in the Surplus Fund including accruals in excess of \$997,500.

**PARKING IMPROVEMENT REQUESTS**

University of Nebraska - Lincoln

October 29, 2004

| Project                                                    | Location                        | Funding Required | Justification                                 |
|------------------------------------------------------------|---------------------------------|------------------|-----------------------------------------------|
| Parking Operations                                         |                                 |                  |                                               |
| Repair and extend various City Campus surface parking lots | City and East Campus            | \$450,000        | Maintenance, repair and extensions            |
| Bus replacement – 2 units                                  | City and East Campus            | 275,000          | On-going transit system fleet replacement     |
| 14 Avery Garage Addition - Planning                        | 14 <sup>th</sup> & Avery Garage | 75,000           | Preliminary site assessment and planning      |
| Upgrade signage in surface parking lots                    | City and East Campus            | 66,250           | Maintenance and repair                        |
| Security Camera Enhancement                                | Stadium Drive & 17 R Garages    | 66,000           | Enhance Security                              |
| Replace lot east of Anderson Hall                          | 16 <sup>th</sup> & Q            | 30,000           | Maintenance and repair                        |
| On-going maintenance for three parking structures          | City Campus                     | 25,000           | Maintenance and repair to existing structures |
| Computer Equip/Software Support                            | Parking Office                  | 10,250           | Update/Replace Systems                        |
| Total                                                      |                                 | \$997,500        |                                               |

TO: The Board of Regents  
Business Affairs

MEETING DATE: October 29, 2004

SUBJECT: Research Center of Excellence II Building Program Statement at the University of Nebraska Medical Center (UNMC)

RECOMMENDED ACTION: Approve the Program Statement and Budget for the UNMC Research Center of Excellence II Building.

PREVIOUS ACTION: None.

EXPLANATION: The University of Nebraska Medical Center (UNMC) is recognized as the principal site of biomedical research in Nebraska. UNMC has adopted as a major strategic objective increasing its research enterprise and is on track to reach its goal of \$100 million in annual funded research. Consistent with its vision to be a world renowned health science center that ranks among the leading research centers, UNMC is now refocusing on a strategic goal to increase research funding to \$200 million.

The ability of UNMC to achieve continued growth in research is directly proportional to the quantity and quality of its laboratories. At this point in time the most significant impediment to sustaining the rate of growth is the availability of quality research laboratories. The new Durham Research Center (DRC), with its 116 state-of-the-art labs, has proved to be an excellent resource to facilitate recruitment and funded research growth. Due to success in recruiting new funded faculty and the increasing grant productivity of current investigators, the DRC is already at capacity even with rigorous merit-based requirements for lab assignment. Few labs that are rated in acceptable to competitive condition remain available in other campus buildings. These represent only a fraction of the space needed to accomplish strategic goals.

In addition to its research strengths, UNMC has developed nationally recognized leadership and a growing record of achievement and federal grant support in developing and implementing biosecurity preparedness capabilities, strategies and operational tools through its Nebraska Public Health Lab (NPHL), and leadership of the University of Nebraska Center for Biosecurity.

Earlier this year the Nebraska Unicameral approved a plan proposed by the Governor's Office and appropriated \$12 million in non-state general fund resources, contingent on UNMC receiving \$30 million in private support, to advance Nebraska's

efforts in bio-terrorism preparedness. The state support is primarily intended to construct bio-terrorism preparedness laboratories contained within a proposed second Research Center of Excellence building. The proposed labs will serve as a first responder facility providing advanced diagnostic testing, special pathogens testing for emerging infectious diseases, and biological and chemical terrorism reaction for the State of Nebraska.

The Nebraska Medical Center has requested space in the proposed Research Center of Excellence II to relocate its clinical pathology lab in order to consolidate lab functions and increase operating efficiencies. The Nebraska Medical Center clinical pathology lab has strong ties to NPHL. In addition to its clinical functions, this lab supplements the diagnostic testing services of the NPHL and both operations share staff. Locating it near the NPHL would provide operational efficiencies and synergies for both the hospital and the NPHL. The relocation of the clinical pathology lab's Molecular Diagnostics section, now housed in the Munroe Meyer Institute building, will return laboratories to UNMC for reassignment to research functions.

The Research Center of Excellence II project is a new 10 level, 242,000 gross square foot building to be constructed adjacent to the Durham Research Center and of similar architectural design.

The proposed building will provide approximately 96 state-of-the-art laboratory assignment modules, associated offices for investigators and laboratory support space for the continued growth of funded research in the College of Medicine and the Eppley Cancer Institute, laboratory and operations of the NPHL and the University of Nebraska Center for Biosecurity as well as laboratory operations of the Nebraska Medical Center Clinical Pathology Lab.

Faculty/staff interaction space will be provided along with conference/seminar rooms located on the laboratory floors. Laboratory animal care and procedure facilities designed to meet AAALAC accreditation standards will be located on the first level partially below grade. The second level partially below grade will include the building's loading dock and building support areas. An enclosed pedestrian connector is proposed to link the new building to the Durham Research Center.

Research activities performed in the building will be multidisciplinary and problem based, grouped around UNMC priority areas including Cancer, Biosecurity, Cardiovascular Diseases, Gastrointestinal and Liver Diseases, Developmental Biology, Genetics and Molecular Genetics, Neurobiology and Organ Transplantation Biology with special emphasis on Cancer and Biosecurity.



In addition to the state appropriation, the proposed project will be funded primarily with private donations. Additionally, the Nebraska Medical Center will pay an appropriate share of the project cost and federal funds will be sought. Fund raising activities, architect selection and design for the RCE II project will be initiated on approval of the program statement. Construction of the project will begin after commitments for all funding are in place and authorization to proceed is received from the President.

The Research Center of Excellence II project is proposed to increase the health and biosecurity of Nebraska by providing additional infrastructure for biomedical research, biosecurity preparedness and clinical service.

PROJECT COST: \$74,000,000

ON-GOING FISCAL IMPACT: Operating and Maintenance (FY 2007/2008) \$ 2,747,306  
2% Assessment \$ 1,480,000

SOURCE OF FUNDS: State Funds \$12,000,000 16%  
Federal Funds \$ 5,000,000 7%  
Other Funds \$57,000,000 77%\*

SPONSOR: Donald S. Leuenberger  
Vice Chancellor for Business & Finance

APPROVAL: \_\_\_\_\_  
Harold M. Maurer, M.D., Chancellor  
University of Nebraska Medical Center

DATE: October 19, 2004

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\* Includes private gifts through the University of Nebraska Foundation and funding support from Nebraska Medical Center.

## Research Center of Excellence II Program Statement

University of Nebraska Medical Center

Date: September 29, 2004

Prepared by: UNMC Facilities Management and Planning/HDR Architecture Inc.

Phone: (402) 559-4503

### **I. INTRODUCTION**

#### **A. Background and History**

The University of Nebraska Medical Center (UNMC) is recognized as the principal site of biomedical research in Nebraska. UNMC has adopted as a major strategic objective increasing its research enterprise and is on track to reach its goal of \$100 million in annual funded research. Consistent with its vision to be a world renowned health science center that ranks among the leading research centers, UNMC is now refocusing on a strategic goal to increase research funding to \$200 million. The ability of UNMC to achieve continued growth in priority research areas and further develop its biosecurity preparedness capacity is directly proportional to the quantity and quality of its laboratory facilities.

In addition to its research strengths, UNMC has developed nationally recognized leadership and a growing record of achievement and federal grant support in developing and implementing biosecurity preparedness capabilities, strategies and operational tools through its Nebraska Public Health Lab (NPHL) and leadership of the University of Nebraska Center for Biosecurity.

Earlier this year the Nebraska Unicameral approved a plan proposed by the Governor's Office and appropriated \$12 million in non-state general fund resources, contingent on UNMC receiving \$30 million in private support, to advance Nebraska's efforts in bio-terrorism preparedness. The state support is primarily intended to construct bio-terrorism preparedness laboratories contained within a proposed second Research Center of Excellence building.

The Nebraska Medical Center has requested space in the proposed Research Center of Excellence II to relocate its clinical pathology lab in order to consolidate lab functions and increase operating efficiencies. The NPHL has strong ties to the Nebraska Medical Center clinical pathology lab. In addition to its clinical functions, this lab supplements the diagnostic testing services of the NPHL and both operations share staff. Locating it near the NPHL would provide operational efficiencies and synergies for both the hospital and the NPHL.

The Research Center of Excellence II project is proposed to increase the health and biosecurity of Nebraska by providing additional infrastructure for biomedical research, biosecurity preparedness and clinical service.

## B. Project Description

The Research Center of Excellence II is proposed to be a new 10 level, 242,000 gross square foot building to be constructed adjacent to the Durham Research Center and of similar architectural design.

The proposed building will provide approximately 96 laboratory assignment modules, associated offices for investigators and laboratory support space for the continued growth of funded research in the College of Medicine and the Eppley Cancer Institute, laboratory and operations of the Nebraska Public Health Lab and the University of Nebraska Center for Biosecurity as well as laboratory operations of the Nebraska Medical Center Clinical Pathology Lab.

Faculty/staff interaction space will be provided along with conference/seminar rooms located on the laboratory floors. Laboratory animal care and procedure facilities designed to meet AAALAC accreditation standards will be located on the first level partially below grade. The second level partially below grade will include the building's loading dock and building support areas. An enclosed pedestrian connector is proposed to link the new building to the Durham Research Center.

The facility will be designed to foster the intellectual exchange necessary for the continued growth and leadership of UNMC's nationally and internationally recognized programs. The design of the research laboratories, as in the Durham Research Center, will be science based for flexible use rather than focused on the requirements of specific programs. Individual labs will be competitively assigned.

Research activities performed in the building will be multidisciplinary and problem based, grouped around UNMC priority areas including Cancer, Biosecurity, Cardiovascular Diseases, Gastrointestinal and Liver Diseases, Developmental Biology, Genetics and Molecular Genetics, Neurobiology and Organ Transplantation Biology with special emphasis on Cancer and Biosecurity.

## C. Purpose and Objectives

- Provide additional state-of-the-art biomedical research laboratories and laboratory support infrastructure for the UNMC College of Medicine and the Eppley Cancer Institute required to recruit the additional funded investigators necessary to achieve UNMC's strategic objective to grow research.
- Provide state-of-the-art laboratory and operations space for the Nebraska Public Health Laboratory and the University of Nebraska Center for Biosecurity. The proposed labs will serve as a first responder facility providing advanced diagnostic testing, special pathogens testing for emerging infectious diseases, and biological and chemical terrorism reaction for the State of Nebraska.
- Provide space for the relocation of the Nebraska Medical Center's Clinical Pathology Lab proximate to its inpatient care facilities. The relocation of the clinical pathology lab's Molecular Diagnostics section, now housed in the Munroe Meyer Institute building, will return laboratories to UNMC for reassignment to research functions.

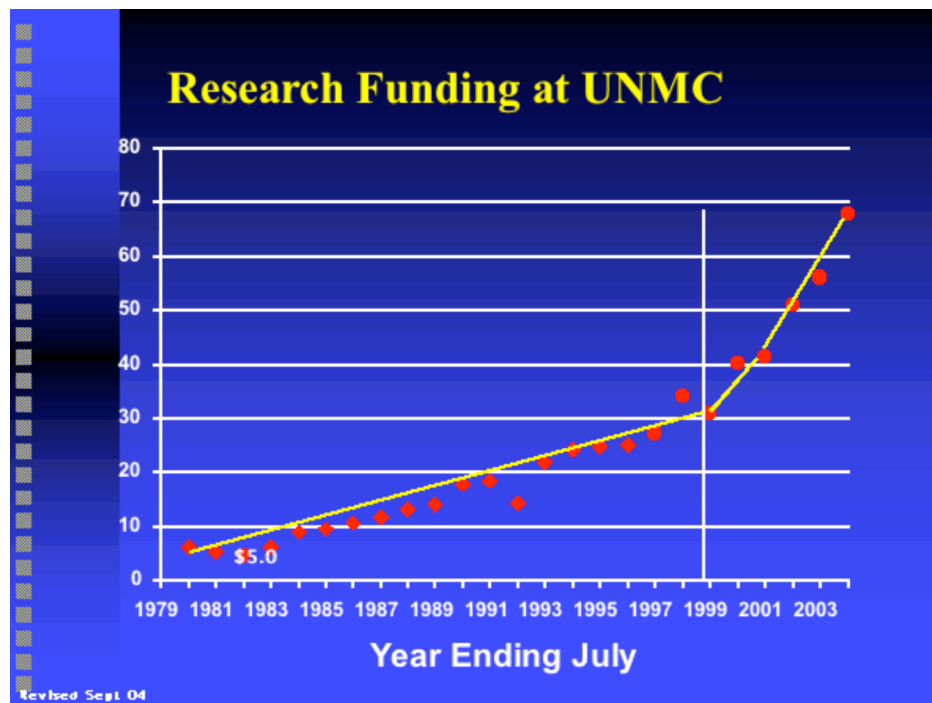
- Provide AAALAC accredited laboratory animal care and procedure facilities to support the research activities housed in the proposed building.

## II. JUSTIFICATION OF THE PROJECT

### A. Data That Supports the Funding Request

Over the past two years, UNMC's research funding from external sources has increased by 36 percent moving from \$50.8 million annually to \$67.7 million and is on trajectory to reach \$100 million. Plans to sustain or accelerate the rate of growth are being implemented.

UNMC's continued emphasis on research growth has resulted in an increased rate of research growth as illustrated by the following graph:



The ability of UNMC to achieve continued growth in research is directly proportional to the quantity and quality of its laboratories. At this point in time the most significant impediment to sustaining the rate of growth is the availability of quality research laboratories. The new Durham Research Center (DRC), with its 116 state-of-the-art labs, has provided to be an excellent resource to facilitate recruitment and funded research growth. Due to success in recruiting new funded faculty and the increasing grant productivity of current investigators, the DRC is already at capacity even with rigorous merit based requirements for lab assignment. Few labs that are rated in acceptable to competitive condition remain available in other campus buildings. These represent only a fraction of the space needed to accomplish strategic goals.

Additional labs are needed and proposed for construction to provide for projected needs beyond those served by the DRC and other existing labs. A partial list of research initiatives contributing to an increasing demand for labs including the following:

- Recently the College of Medicine has recruited two new chairs of basic sciences departments, who have each been charged with leading significant increases in the research volume in their respective departments. Both of these departments are centered in the Durham Research Center, and the proposed expansions are expected to result in an approximate doubling of their respective space needs, yielding a total need for the equivalent of at least one whole floor of the Durham Research Center.
- Currently the College of Medicine is undertaking recruitment of two chairs of major clinical departments, Internal Medicine and Psychiatry. Each of these new chairs will be charged with leading a surge in research. At least 1/2 of the increase is expected to be in research areas that will require the use of research laboratory space, given the national trends in research in clinical departments.
- The Tobacco Settlement Biomedical Research Development Fund will continue to aid in promoting the UNMC research enterprise, recruitments are in progress in the fields of eye research and organ and tissue transplantation immune system research.
- Current NIH NCRR guidelines will permit our continuing to apply for large - scale Center of Biomedical Research Excellence (COBRE) program grants. Currently UNMC has two of these programs that fund a total of approximately \$4million/year in research, with the accompanying space demands. Another proposal is in revision, and a fourth is planned. Each of these new COBRE grants will require the recruitment of new faculty and the expansion of ongoing programs.

The condition of current laboratories also remains a long-term issue. The Durham Research Center improved the overall quality level of the campus labs by providing replacements for the inadequate labs in Poynter and Bennett Halls. The labs in the Eppley Cancer Institute, constructed in the early 1950's, although still functional, are not rated suitable for the most competitive research and will soon require a complete mechanical replacement. The proposed RCE II project will provide labs for the Eppley Cancer Institute to continue recruiting the best qualified research scientists.

B. Alternatives Considered – Not applicable

### **III. LOCATION & SITE CONSIDERATIONS**

A. County: Douglas

B. Campus: University of Nebraska Medical Center, Omaha

**C. Proposed Project Site:**

The new facility is proposed for construction adjacent to the Durham Research Center on the UNMC campus. The site plan below identifies the project site on the UNMC campus.



D. Statewide Inventory: Not Applicable

E. Influence of project on existing site conditions

1. Relationship to Neighbors - The project will not adversely affect the relationship with neighbors or the environment.

2. Utilities - The design of the Durham Research Center anticipated the construction of a future adjoining Center of Excellence building. Utility connections are present at the site and points of connection were pre-designed to allow both buildings to share operational infrastructure.

The proposed building will require increased utility production capacity including the possible installation of a new steam boiler and an additional chiller and emergency generator in the campus utility plants. An engineering and economic analysis of alternate utility schemes and equipment configurations will be completed early in the design phase of the RCE II and proposed to the Board of Regents on a separate project.

3. Parking & Circulation - The project will not adversely impact circulation around the building site. The recently completed Emile Street Parking Structure and nearby parking lots are expected to provide for most of the parking requirements of the RCE II occupants.

#### **IV. COMPREHENSIVE PLAN COMPLIANCE**

##### **A. University of Nebraska Strategic Framework**

The project complies with the objectives of the University of Nebraska Strategic Framework 2000-2004, adopted by the Board of Regents, February 26, 2000:

“Enhance the business and administrative operations of the University to support, serve and enhance the learning, research and outreach goals of the University.”

##### **B. University of Nebraska Medical Center Strategic Plan 2004-2007 (Applicable References)**

###### Vision

The partnership of UNMC and the Nebraska Medical Center will be a world-renowned health sciences center that:

- Delivers state-of-the-art health care;
- Prepares the best-educated health professionals and scientists;
- Ranks among the leading research centers;
- Advances our historic commitment to community health;
- Embraces the richness of diversity to build unity”

###### Mission

The mission of the University of Nebraska Medical Center is to improve the health of Nebraska through premier educational programs, innovative research, the highest quality patient care, and outreach to underserved populations.”

###### Critical Success Factors

- “Increase prominence as a research health sciences center.”
- “Address infrastructure requirements to support the increasing research activity.” (University of Nebraska Medical Center Strategic Plan 2003-2006)
- “Develop selected new technologies to advance health education, science and the Nebraska economy.”
- “Develop advanced biomedical technologies and devices.”

C. UNMC Campus Physical Master Plan - The need for proposed project at the proposed site is included in, and is generally consistent with the UNMC 1997 Campus Physical Master Plan as updated in 1999.

D. Consistency with Statewide / CCPE Plan - The Statewide Comprehensive Capital Facilities Plan states that individual capital construction projects will support institutional strategic comprehensive facilities plans.

## V. ANALYSIS OF EXISTING FACILITIES

A. Function and purpose of existing programs as they relate to the proposed project.

The Nebraska Public Health Laboratory is currently located on the fourth floor of the Wittson Hall. The NPHL labs serves as a first responder facility providing advanced diagnostic testing, special pathogens testing for emerging infectious diseases, and biological and chemical terrorism reaction for the State of Nebraska.

B. Square Footage of Existing spaces

The following table lists the existing floor space of current functions that will comprise the proposed project:

| Use Code | Space                             | Existing NSF |
|----------|-----------------------------------|--------------|
| 250      | Nebraska Public Health Laboratory | 4,500        |

C. Utilization of Existing Space – The Nebraska Public Health Laboratory is staffed 40 hours per week and monitored 24 hours, seven days a week by staff on-call.

D. Physical Deficiencies – The existing NPHL Labs are crowded and although safe, are not configured to meet today’s best practices.

E. Programmatic Deficiencies – Not applicable

F. Replacement cost of existing building – Not Applicable

## VI. FACILITY REQUIREMENTS

A. Functions & Purpose of Proposed Program

1. Activity Identification – the proposed building will be organized in a modular layout with the equivalent of 96 laboratory assignment modules plus comparative medicine areas and miscellaneous areas. The preliminary assignment of space will allocate lab modules for the proposed activities in the building approximately as follows:

|                                                      |           |
|------------------------------------------------------|-----------|
| College of Medicine and Eppley Cancer Institute Labs | 56        |
| College of Medicine Biosecurity Research Labs        | 8         |
| Nebraska Public Health Lab                           | 6         |
| Nebraska Medical Center Clinical Pathology           | 26        |
| <b>Total Assignment Modules</b>                      | <b>96</b> |



**RESEARCH CENTER OF EXCELLENCE II**

## 2. Projected Occupancy, Use, Staffing (UNMC Only)

|                                                           |             |
|-----------------------------------------------------------|-------------|
| <b>Personnel Projection</b>                               |             |
| Academic Administrative (Funded Faculty Investigators)    | + 64        |
| Managerial Professional (Post Doc/Lab Technicians)        | +125        |
| Office/Service                                            | + 10        |
| Students (Graduate Students @ 1 per Faculty Investigator) | + 64        |
| <b>Total</b>                                              | <b>+263</b> |

## B. Space Requirements of Proposed Project

## 1. Square Footage by Function

The following table summarizes the program requirements for facility:

| Activity Code                                               | Use | Space                            | #  | NASF each | Total NASF    |
|-------------------------------------------------------------|-----|----------------------------------|----|-----------|---------------|
| <b>1.0 COM/ECI/Biosecurity Research Laboratories</b>        |     |                                  |    |           |               |
|                                                             | 250 | Bench Lab                        | 64 | 660       | 42,240        |
|                                                             | 255 | Lab Support                      | 64 | 330       | 21,120        |
|                                                             | 251 | Investigator/Staff Office        | 73 | 130       | 9,490         |
|                                                             | 251 | Program Administrative Area      | 4  | 940       | 3,760         |
|                                                             | 255 | Conference Seminar Room          | 4  | 300       | 1,200         |
| <b>Research Laboratory Subtotal</b>                         |     |                                  |    |           | <b>77,810</b> |
| <b>2.0 Nebraska Public Health Lab/UN Biosecurity Center</b> |     |                                  |    |           |               |
|                                                             | 250 | NPHL Diagnostic Laboratories     |    |           |               |
|                                                             |     | Chemical Terrorism Lab           | 1  | 1,870     | 1,870         |
|                                                             |     | Biological Terrorism Lab         | 1  | 1,460     | 1,460         |
|                                                             |     | Radiation Terrorism Lab          | 1  | 270       | 270           |
|                                                             |     | Molecular Lab                    | 1  | 870       | 870           |
|                                                             |     | Development/Wet Lab              | 1  | 940       | 940           |
|                                                             |     | BL 3 Lab                         | 1  | 1,710     | 1,710         |
|                                                             | 251 | Investigator/Staff Office        | 8  | 130       | 1,040         |
|                                                             | 590 | Communications Center            | 1  | 1,000     | 1,000         |
|                                                             | 251 | Administrative/Outreach          | 1  | 940       | 940           |
|                                                             | 350 | Conference Room                  | 1  | 300       | 300           |
| <b>NPHL/Biosecurity Center Subtotal</b>                     |     |                                  |    |           | <b>10,400</b> |
| <b>3.0 Nebraska Medical Center Clinical Pathology Lab</b>   |     |                                  |    |           |               |
|                                                             | 860 | Diagnostic Laboratories          | 1  | 41,476    | 41,476        |
| <b>4.0 Comparative Medicine Facilities</b>                  |     |                                  |    |           |               |
|                                                             | 570 | Lab Animal Housing and Procedure | 1  | 12,000    | 12,000        |
|                                                             | 575 | Tunnel to DRC Vivarium           | 1  | 1,275     | 1,275         |
| <b>Comparative Medicine Facilities Subtotal</b>             |     |                                  |    |           | <b>13,275</b> |

**RESEARCH CENTER OF EXCELLENCE II**

|                                      |                                           |   |       |         |  |
|--------------------------------------|-------------------------------------------|---|-------|---------|--|
| 5.0 Building Lobby /Interaction      |                                           |   |       |         |  |
| 650                                  | Lobby, Faculty/Staff Interaction Space    | 1 | 2,500 | 2,500   |  |
| WWW                                  | Pedestrian Link to Durham Research Center | 1 | 900   | 900     |  |
| Building Lobby /Interaction Subtotal |                                           |   |       | 3,400   |  |
| 6.0 Building Support                 |                                           |   |       |         |  |
| 750                                  | Dock/Receiving                            | 1 | 4,200 | 4,200   |  |
| TOTAL NSF                            |                                           |   |       | 150,561 |  |
| TOTAL GSF                            |                                           |   |       | 242,000 |  |

**2. Planning Parameters**

Research laboratory modules, offices and laboratory support spaces used for the proposed project will be nearly identical to those constructed in the Durham Research Center. The research lab consultant for the Durham Research Center extensively benchmarked the laboratory and comparative medicine planning parameters. The floor plans were then subjected to peer review and have resulted in floor space layouts that are well accepted. Other spaces will be planned using best architectural practices and university guidelines.

**3. Difference Between Existing and Proposed**

| Use Description            | Existing NSF | Proposed NSF | Difference |
|----------------------------|--------------|--------------|------------|
| Nebraska Public Health Lab | 4,500        | 8,160        | +3,660     |

**C. Impact of the Project on the Program's Existing Facilities**

1. Reutilization - As a result of this project, the laboratories currently occupied by the Nebraska Public Health Lab in Wittson Hall and the Molecular Diagnostics Lab section of the Nebraska Medical Center Clinical Pathology Lab, now housed in the Munroe Meyer Institute will be reassigned to provide lab space for research growth.

2. Demolition - Not applicable

3. Renovation – A small two stop elevator will be installed in the existing grade level pedestrian link between Swanson Hall and the Durham Outpatient Center, bypassing an existing stairway, to facilitate cart transport between the RCE II, Durham Research Center and core campus buildings.

**VII. EQUIPMENT REQUIREMENTS**

A. List of available equipment for reuse – Scientific equipment for the NPHL

B. Additional Equipment

1. Fixed Equipment – Laboratory benches and reagent racks, fume hoods, biosafety cabinets, autoclaves and lab glassware cleaning equipment.

2. Moveable Equipment – Laboratory and office furniture, A/V equipment for conference/seminar rooms and NPHL communications areas.
3. Special and Technical Equipment – Laboratory animal care and procedure equipment.

## **VIII. SPECIAL DESIGN CONSIDERATIONS**

A. Construction Type – Due to the nature of the scientific studies being conducted in the RCE II, Type I fire resistive reinforced concrete structure designed to control vibration in accordance with criteria for Class II research equipment and 125 psf live loads. In areas where electron microscope usage is anticipated, Class V criteria will be utilized.

B. Heating and Cooling Systems – All air handling systems will be variable air volume with reheat. All outside air will be 100% pre-filtered utilizing a combination of box, bag, and HEPA filter media. One system dedicated to Research and Research Offices and a separate system for Comparative Medicine. Space air and distribution will utilize consistent volume and variable volume terminal boxes with reheat coils. A general exhaust system will serve all non-lab areas. Lab and Comparative Medicine areas will require separate specialized exhaust systems. A heat recovery system will be provided.

C. Life Safety/ADA – The facility will be designed in accordance with the latest version of the International Codes 2003 Edition, All applicable NFPA 101-2000 and the ADAAG published July 2004 and the October 1994 NAG.

D. Historic/Architectural Significance - Not Applicable

E. Artwork - The artwork budget is consistent with Board of Regents Policy.

F. Phasing – The proposed project is planned to bid in two phases to expedite completion of the project. The first phase will be an early site preparation and deep foundation package.

G. Future Expansion – Future expansion is not planned.

H. Other - Laboratory design guidelines published by the National Institute of Health will be considered in the design of laboratory spaces and applied as appropriate to facilitate future infrastructure grant opportunities.

**IX. PROJECT BUDGET & FISCAL IMPACT****A. Cost Estimate Criteria**

1. Standards/ Sources - The projected construction cost was developed by applying inflation factors developed by an outside cost consultant to the actual construction costs of the Durham Research Center plus anticipated notable differences in the RCE II design.

2. Year, Month, Inflation Factor - The project cost estimate was compiled in September 2004. An inflation factor of 6% was applied to the DRC construction cost from the September 2001 date of the construction managers guaranteed maximum price proposal to October 2004. The cost estimate then assumes a 3.5% annual inflation factor from October 2004 to the midpoint of construction.

## 3. Gross &amp; Net Square Feet

|                     |         |
|---------------------|---------|
| Building Efficiency |         |
| Net Square Feet     | 150,561 |
| Gross Square Feet   | 242,000 |
| Building Efficiency | 62%     |

## 4. Project Cost &amp; Construction Cost per Gross Square Foot

|                       |          |
|-----------------------|----------|
| Unit Cost Data        |          |
| Project Cost/GSF      | \$305.79 |
| Construction Cost/GSF | \$265.89 |

**RESEARCH CENTER OF EXCELLENCE II****B. Project Cost****1) BUDGET CATEGORY #1 -- CONSTRUCTION COSTS**

|                                                          |                                                                              |                   |
|----------------------------------------------------------|------------------------------------------------------------------------------|-------------------|
| <b>Construction Contract</b>                             |                                                                              |                   |
| Building                                                 |                                                                              |                   |
| a) General                                               |                                                                              | 25,350,000        |
| b) Mechanical                                            |                                                                              | 15,640,000        |
| c) Electrical                                            |                                                                              | 6,850,000         |
| d) Elevators                                             |                                                                              | 825,000           |
| e) Fixed Equipment                                       |                                                                              | 6,600,000         |
| Utilities                                                |                                                                              | -                 |
| Sitework                                                 |                                                                              | 140,000           |
| a) Paving                                                |                                                                              | 50,000            |
| b) Drives, Roads and Walks                               |                                                                              | 145,000           |
| c) Landscaping                                           |                                                                              |                   |
| SubTotal                                                 |                                                                              | <u>55,600,000</u> |
| <b>Inflation to Construction Mid-Point</b>               | Inflation from October 2004 to construction midpoint - 24 months @ 3.5%/year | 3,960,000         |
| <b>Total Construction Contract</b>                       |                                                                              | <u>59,560,000</u> |
| <b>In House Construction Including Building Controls</b> |                                                                              |                   |
| In House Labor                                           |                                                                              | 150,000           |
| In House Material                                        |                                                                              | 250,000           |
| <b>Other Construction</b>                                |                                                                              |                   |
| UBC Special Inspector                                    |                                                                              | 125,000           |
| Construction Testing, code required                      |                                                                              | 100,000           |
| Relocation Construction                                  |                                                                              | 100,000           |
| <b>Telecommunications</b>                                |                                                                              | 1,000,000         |
| <b>Subtotal Construction</b>                             |                                                                              | <u>61,285,000</u> |
| <b>Construction Contingency</b>                          | @ 5%                                                                         | 3,060,000         |
| <b>SUBTOTAL COST CATEGORY #1 -- CONSTRUCTION COSTS</b>   |                                                                              | <u>64,345,000</u> |

**2) BUDGET CATEGORY #2 -- NON-CONSTRUCTION COSTS**

|                                                                      |      |                  |
|----------------------------------------------------------------------|------|------------------|
| <b>Moveable Equipment (Furniture Only)</b>                           |      | 1,000,000        |
| <b>Special &amp; Technical Equipment (Comparative Medicine Only)</b> |      | 450,000          |
| <b>Biomedical Communications (Audio-Visual)/Security</b>             |      | 450,000          |
| <b>Land Acquisition</b>                                              |      | -                |
| <b>Project Design &amp; Management</b>                               |      |                  |
| a) Project Planning & Program Statement                              |      | 300,000          |
| b) A/E Basic Services                                                |      | 3,900,000        |
| c) A/E Additional Services                                           |      | 305,000          |
| d) A/E Reimbursable Expense and Printing                             |      | 100,000          |
| e) In-House Services -- Project Management                           |      | 1,730,000        |
| f) Other Consultants                                                 |      |                  |
| Geotechnical                                                         |      | 80,000           |
| Wind Study                                                           |      | 35,000           |
| Surveys                                                              |      | 25,000           |
| <b>Subtotal Professional Services</b>                                |      | <u>6,475,000</u> |
| <b>Artwork</b>                                                       |      | 200,000          |
| <b>Other Costs</b>                                                   |      |                  |
| a) Risk/Quality Management                                           |      |                  |
| Asbestos Survey                                                      |      | -                |
| Structural Design Peer Reviews                                       |      | 25,000           |
| Peer Reviews - Other                                                 |      | 50,000           |
| Construction Testing, Elective                                       |      | 100,000          |
| b) Builders Risk Insurance                                           |      | 40,000           |
| c) Moving and Relocation                                             |      | 250,000          |
| d) Signage                                                           |      | 150,000          |
| TOTAL Other Costs                                                    |      | <u>615,000</u>   |
| <b>SubTotal Non Construction Costs</b>                               |      | <u>9,190,000</u> |
| <b>Non-Construction Contingency</b>                                  | @ 5% | 465,000          |
| <b>SUBTOTAL COST CATEGORY #2 -- NON-CONSTRUCTION COSTS</b>           |      | <u>9,655,000</u> |

|                           |  |                   |
|---------------------------|--|-------------------|
| <b>TOTAL PROJECT COST</b> |  | <u>74,000,000</u> |
|---------------------------|--|-------------------|

**C. Fiscal Impact**

| FISCAL IMPACT                                                       | Amount      |
|---------------------------------------------------------------------|-------------|
| Operational & Maintenance costs per year                            | \$2,747,306 |
| Applicable building renewal assessment charges – 2% of project cost | \$1,480,000 |

Note: The formal request to CCPE for a state operation and maintenance cost support will be based on the actual percent of space occupied by UNMC.

**X. FUNDING INFORMATION**

A. Total funds required is \$74,000,000

B. Project Funding Sources:

| Funding Sources | Amount       | % Total |
|-----------------|--------------|---------|
| State Funds     | \$12,000,000 | 16%     |
| Cash Funds      |              |         |
| Federal Funds   | \$5,000,000  | 7%      |
| LB309 Funds     |              |         |
| Revenue Bonds   |              |         |
| Other Funds     | \$57,000,000 | 77%*    |
| Total           | \$74,000,000 | 100%    |

\*Includes private gifts through the University of Nebraska Foundation and funding support from Nebraska Medical Center.

C. Fiscal year expenditures:

| FISCAL YEAR | EXPENDITURES |
|-------------|--------------|
| FY2004-2005 | \$ 1,600,000 |
| FY2005-2006 | \$24,100,000 |
| FY2006-2007 | \$30,900,000 |
| FY2007-2008 | \$17,400,000 |

**XI. TIMELINE**

|                                                |                |
|------------------------------------------------|----------------|
|                                                |                |
| Program Statement Approval by Board of Regents | October 2004   |
| Architect Selection                            | November 2004  |
| Design Development Complete                    | June 2005      |
| Design Complete – Early Site/Foundation Phase  | August 2005    |
| Receive Bids                                   | September 2005 |
| Contract Award/Start Construction              | October 2005   |
| Design Complete – Building Phase               | November 2005  |
| Receive Bids                                   | December 2005  |
| Contract Award/Start Construction              | January 2006   |
| Mid-Point Construction                         | October 2006   |
| Substantial Completion                         | October 2007   |

**XII. HIGHER EDUCATION SUPPLEMENT**

A. CCPE Review – CCPE review will be required.

B. Method of Contracting

1. Method – The contract for each project phase will be competitively bid and awarded to the lowest responsible general contractor.

2. Rationale for Selection of the Method – Bidding conditions in the Omaha construction market are currently favorable and are expected to remain favorable through the time when this project is bid.

TO: The Board of Regents  
Business Affairs

MEETING DATE: October 29, 2004

SUBJECT: Lease of space

RECOMMENDED ACTION: Approve leasing of space at Commerce Court Building located at 1230 O Street, Lincoln, Nebraska, for the College of Nursing, Lincoln Division.

PREVIOUS ACTION: None.

EXPLANATION: With the approval of this agenda item, UNMC will lease 24,779 square feet of space from the Ameritas Life Insurance Company. The proposed space is in the Commerce Court Building located at 1230 O Street, Lincoln, Nebraska. The seven-year lease, with renewable options, is at an initial rate of \$4.00 and \$12.50 per square foot, and is a full-service lease at an annual average cost of \$259,367.

This space will be utilized for educational and administrative office space for the College of Nursing, Lincoln Division. The Division is currently located at Fairfield and Benton Halls on the UNL campus which has significant physical limitations adversely affecting the College of Nursing programs. Remodeling the current space would not substantially increase the educational value of the space.

Members of the public and the news media may obtain a copy of the proposed lease in the Office of the University Corporation Secretary, 3835 Holdrege Street, Lincoln, Nebraska 68583, between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday, except University holidays.

PROJECT COST: \$1,815,568

SOURCE OF FUNDS: University of Nebraska Medical Center Cash Fund

SPONSOR: Donald S. Leuenberger  
Vice Chancellor for Business & Finance

APPROVAL: \_\_\_\_\_  
Harold M. Maurer, M.D., Chancellor  
University of Nebraska Medical Center

DATE: October 7, 2004



**C. FOR INFORMATION ONLY**

None.

**D. REPORTS**

1. Summary Enrollment Report and Student Credit Hour Report for Fall 2004. Addendum XI-D-1
2. Design Development Report for the University of Nebraska-Lincoln North Stadium Improvement Project. Addendum XI-D-2
3. Bids and Contracts. Addendum XI-D-3
4. Naming a gallery “The Rohman Family Gallery” in the Sheldon Memorial Art Gallery at the University of Nebraska-Lincoln. Addendum XI-D-4
5. Continuation of the Seniors Learning Passport. Addendum XI-D-5

TO: The Board of Regents  
Academic Affairs

MEETING DATE: October 29, 2004

SUBJECT: Fall 2004 Headcount Enrollment and Student Credit Hour Reports

RECOMMENDED ACTION: Report

PREVIOUS ACTION: None

EXPLANATION: The attached report provides Fall 2004 semester headcount enrollment by campus and college.  
A summary of Fall 2004 semester student credit hours by campus and college is also included.

PROJECT COST: None.

SOURCE OF FUNDS: None

APPROVAL: \_\_\_\_\_  
Jay Noren  
Executive Vice President and Provost

DATE: October 14, 2004

**MEMORANDUM**

**TO: Board of Regents**  
**FROM: Jay Noren**  
**DATE: October 18, 2004**  
**RE: Fall Enrollment**

Total enrollment at the University of Nebraska for fall 2004 is 45,116 headcount and 37,995 FTE (decline of 2.0 percent headcount and 1.7 percent FTE compared to 2003). Student credit hours decreased 1.2 percent from 544,324 to 537,880. Student credit hours range from 3.6 percent decrease at UNL to 12.2 percent increase at UNMC. The attached tables provide detailed information on headcount, FTE, and student credit hours by campus and college.

Despite these trends, several elements of the 2004 enrollment data show impressive improvement:

- Increased average ACT scores, including the highest ever for UNL freshmen
- A large increase in transfer students: 9 percent at UNL and 5.9 percent at UNO
- UNO and UNK both show increases in the number of new freshman students – 6.7 percent at UNO and 3.6 percent at UNK
- Enrollment of ethnic minority students at UNL increased 8 percent

In a broader context these fall enrollment data, as well as trends during the past five to ten years, call attention to several important factors affecting the University:

- Insufficient financial aid

Despite the fact that tuition and fees last year at the University of Nebraska were much lower than the average of peer universities (by 17 percent to 24 percent), nonetheless Nebraska received a failing grade for affordability in the September 2004 “Measuring Up” report issued by the National Center for Public Policy and Higher Education. Nebraska lags behind surrounding states and the nation in state funded financial aid. In 2002-2003 Nebraska provided \$3.74 per capita in financial aid compared to \$21.49, \$21.08, and \$19.89 per capita respectively for surrounding states, the region, and the nation (Midwest Higher Education Compact report, July 2004).

- Increased Higher Education Costs

During the past decade, increasing higher education costs have decreased access in Nebraska and nationally. From 1993 to 2003 higher education tuition and fees have increased at almost twice the rate of per capita income. The recent state budget reductions have further exacerbated the problem.

- Declining number of Nebraska high school students

Nebraska high school enrollment is expected to decline by 9.5 percent from 2000 to 2012, while total enrollment in the U.S. is projected to increase by 9.2 percent during that same time period (National Center for Education Statistics).

In response to these issues and trends President Milliken has called for energetic initiatives to pursue key objectives including:

- Substantially increase need-based aid for Nebraska students
- Increase the college-going rate among Nebraska high school graduates (currently 59.3 percent--near the national average)
- Stimulate early interest in higher education among Nebraska K-12 students, starting in middle school
- Educate Nebraska families about the cost of a college education and provide comprehensive information on all types of available financial aid
- Increase the percent of citizens with a Bachelor's degree or higher (currently 23.7 percent compared to national average 24.4 percent)
- Increase enrollment of out-of-state students

**UNIVERSITY OF NEBRASKA  
SUMMARY - HEADCOUNT ENROLLMENT REPORT  
FALL SEMESTER 2004**

|                                                         | Administrative Site |               |              |              |
|---------------------------------------------------------|---------------------|---------------|--------------|--------------|
|                                                         | Fall 2004           | Fall 2003     | Difference   | % Change     |
| <b>UNIVERSITY OF NEBRASKA - LINCOLN</b>                 |                     |               |              |              |
| <b>Undergraduate</b>                                    |                     |               |              |              |
| Agricultural Sciences & Natural Resources               | 1,222               | 1,266         | (44)         | -3.5%        |
| Architecture                                            | 522                 | 530           | (8)          | -1.5%        |
| Arts & Sciences                                         | 4,151               | 4,344         | (193)        | -4.4%        |
| Business Administration                                 | 2,819               | 2,923         | (104)        | -3.6%        |
| Education and Human Sciences (a)                        | 2,352               | 2,579         | (227)        | n/a          |
| Engineering & Technology                                | 2,420               | 2,417         | 3            | 0.1%         |
| Fine & Performing Arts                                  | 653                 | 665           | (12)         | -1.8%        |
| Human Resources & Family Sciences (a)                   | -                   | -             | -            | n/a          |
| Journalism & Mass Communications                        | 875                 | 877           | (2)          | -0.2%        |
| Teachers (a)                                            | -                   | -             | -            | n/a          |
| Continuing Studies (b)                                  | -                   | -             | -            | n/a          |
| General Studies                                         | 1,984               | 2,121         | (137)        | -6.5%        |
| Visiting                                                | 139                 | 129           | 10           | 7.8%         |
| <b>Undergraduate Subtotal</b>                           | <b>17,137</b>       | <b>17,851</b> | <b>(714)</b> | <b>-4.0%</b> |
| <b>Graduate</b>                                         |                     |               |              |              |
|                                                         | <b>4,162</b>        | <b>4,219</b>  | <b>(57)</b>  | <b>-1.4%</b> |
| <b>Professional</b>                                     |                     |               |              |              |
| Architecture                                            | 76                  | 70            | 6            | 8.6%         |
| Education and Human Sciences                            | 8                   |               |              |              |
| Law                                                     | 409                 | 419           | (10)         | -2.4%        |
| <b>Professional Subtotal</b>                            | <b>493</b>          | <b>489</b>    | <b>4</b>     | <b>0.8%</b>  |
| <b>UNL TOTAL</b>                                        | <b>21,792</b>       | <b>22,559</b> | <b>(767)</b> | <b>-3.4%</b> |
| <b>UNIVERSITY OF NEBRASKA MEDICAL CENTER</b>            |                     |               |              |              |
| <b>Undergraduate</b>                                    |                     |               |              |              |
| Dentistry (Dental Hygiene)                              | 48                  | 44            | 4            | 9.1%         |
| Medicine (Allied Health)                                | 94                  | 93            | 1            | 1.1%         |
| Nursing                                                 | 630                 | 598           | 32           | 5.4%         |
| Unclassified                                            | 8                   | 7             | 1            | 14.3%        |
| <b>Undergraduate Subtotal</b>                           | <b>780</b>          | <b>742</b>    | <b>38</b>    | <b>5.1%</b>  |
| <b>Graduate</b>                                         |                     |               |              |              |
|                                                         | <b>512</b>          | <b>538</b>    | <b>(26)</b>  | <b>-4.8%</b> |
| <b>Professional</b>                                     |                     |               |              |              |
| Allied Health Certification Program                     | 252                 | 253           | (1)          | -0.4%        |
| Nursing Certification Program                           | 13                  | 9             | 4            | 44.4%        |
| Medical Family Therapy                                  | -                   | 1             | (1)          | n/a          |
| Radiology Oncology Physics                              | 2                   | 1             | 1            | n/a          |
| Pharmacy                                                | 259                 | 258           | 1            | 0.4%         |
| Dentistry                                               | 192                 | 189           | 3            | 1.6%         |
| Medicine (M.D.)                                         | 474                 | 459           | 15           | 3.3%         |
| Medicine (Post M.D.)                                    | 420                 | 415           | 5            | 1.2%         |
| <b>Professional Subtotal</b>                            | <b>1,612</b>        | <b>1,585</b>  | <b>27</b>    | <b>1.7%</b>  |
| <b>UNMC TOTAL</b>                                       | <b>2,904</b>        | <b>2,865</b>  | <b>39</b>    | <b>1.4%</b>  |
| <b>UNIVERSITY OF NEBRASKA AT OMAHA</b>                  |                     |               |              |              |
| <b>Undergraduate</b>                                    |                     |               |              |              |
| Arts & Sciences                                         | 3,496               | 3,447         | 49           | 1.4%         |
| Business Administration                                 | 1,996               | 1,988         | 8            | 0.4%         |
| Education                                               | 1,397               | 1,378         | 19           | 1.4%         |
| Fine Arts                                               | 525                 | 501           | 24           | 4.8%         |
| Information Science & Technology                        | 698                 | 794           | (96)         | -12.1%       |
| CPACS                                                   | 823                 | 793           | 30           | 3.8%         |
| Continuing Studies                                      | 1,026               | 1,031         | (5)          | -0.5%        |
| Non-Degree                                              | 351                 | 407           | (56)         | -13.8%       |
| University Division                                     | 729                 | 763           | (34)         | -4.5%        |
| <b>Undergraduate Subtotal</b>                           | <b>11,041</b>       | <b>11,102</b> | <b>(61)</b>  | <b>-0.5%</b> |
| <b>Graduate</b>                                         |                     |               |              |              |
|                                                         | <b>2,783</b>        | <b>2,895</b>  | <b>(112)</b> | <b>-3.9%</b> |
| <b>UNO TOTAL</b>                                        | <b>13,824</b>       | <b>13,997</b> | <b>(173)</b> | <b>-1.2%</b> |
| <b>UNIVERSITY OF NEBRASKA AT KEARNEY</b>                |                     |               |              |              |
| <b>Undergraduate</b>                                    |                     |               |              |              |
| Business & Technology                                   | 1,317               | 1,320         | (3)          | -0.2%        |
| Education (c)                                           | 1,049               | 1,327         | (278)        | -20.9%       |
| Fine Arts & Humanities                                  | 766                 | 647           | 119          | 18.4%        |
| Natural & Social Sciences                               | 1,283               | 1,495         | (212)        | -14.2%       |
| University College                                      | 965                 | 584           | 381          | 65.2%        |
| <b>Undergraduate Subtotal</b>                           | <b>5,380</b>        | <b>5,373</b>  | <b>7</b>     | <b>0.1%</b>  |
| <b>Graduate</b>                                         |                     |               |              |              |
|                                                         | <b>1,002</b>        | <b>1,006</b>  | <b>(4)</b>   | <b>-0.4%</b> |
| <b>UNK TOTAL (c)</b>                                    | <b>6,382</b>        | <b>6,379</b>  | <b>3</b>     | <b>0.0%</b>  |
| <b>UNDERGRADUATE</b>                                    | <b>34,338</b>       | <b>35,068</b> | <b>(730)</b> | <b>-2.1%</b> |
| <b>GRADUATE</b>                                         | <b>8,459</b>        | <b>8,658</b>  | <b>(199)</b> | <b>-2.3%</b> |
| <b>PROFESSIONAL</b>                                     | <b>2,105</b>        | <b>2,074</b>  | <b>31</b>    | <b>1.5%</b>  |
| <b>U-WIDE TOTAL</b>                                     | <b>44,902</b>       | <b>45,800</b> | <b>(898)</b> | <b>-2.0%</b> |
| <b>Nebraska College of Technical Agriculture (NCTA)</b> | <b>214</b>          | <b>215</b>    | <b>(1)</b>   | <b>-0.5%</b> |
| <b>U-WIDE TOTAL (with NCTA)</b>                         | <b>45,116</b>       | <b>46,015</b> | <b>(899)</b> | <b>-2.0%</b> |
| <b>First Time New Freshmen</b>                          |                     |               |              |              |
| <b>UNL</b>                                              | 3,266               | 3,679         | (413)        | -11.2%       |
| <b>UNO</b>                                              | 1,646               | 1,543         | 103          | 6.7%         |
| <b>UNK</b>                                              | 1,163               | 1,123         | 40           | 3.6%         |

Footnotes:

(a) In Fall 2003, the Human Resources & Family Sciences and Teachers Colleges were merged to form the Education and Human Sciences College.

(b) In Fall 2003, the Division of Continuing Education was discontinued.

(c) In Fall 2004, the alignment of majors within colleges was revised. As a result, comparisons of enrollment by college with previous years are not appropriate.

## UNIVERSITY OF NEBRASKA SUMMARY OF STUDENT CREDIT HOURS

Student credit hours are assigned to the campus which grants the credit to the student.

Fall Semester, 2004

|       | <u>Fall 2004</u> | <u>Fall 2003</u> | <u>Difference</u> | <u>% Change</u> |
|-------|------------------|------------------|-------------------|-----------------|
| UNL   | 265,084          | 275,022          | (9,938)           | -3.6%           |
| UNMC  | 45,767           | 40,788           | 4,979             | 12.2%           |
| UNO   | 148,221          | 149,849          | (1,628)           | -1.1%           |
| UNK   | <u>78,808</u>    | <u>78,665</u>    | <u>143</u>        | <u>0.2%</u>     |
| Total | 537,880          | 544,324          | (6,444)           | -1.2%           |

Number of credit hours for each campus, with details by College of Faculty and College of Student follows.

**UNIVERSITY OF NEBRASKA-LINCOLN  
STUDENT CREDIT HOUR REPORT**

Student credit hours are assigned to the campus which grants the credit to the student.

Fall Semester, 2004

| COLLEGE OF FACULTY                |               |              |                 |                 |                       |               |                   |                          |                         |            |              |               |               |                 |                 |                       |
|-----------------------------------|---------------|--------------|-----------------|-----------------|-----------------------|---------------|-------------------|--------------------------|-------------------------|------------|--------------|---------------|---------------|-----------------|-----------------|-----------------------|
| COLLEGE OF STUDENT                | CASNR         | Arch.        | Arts & Sciences | Business Admin. | Educ & Human Sciences | Engr. & Tech. | Fine & Perf. Arts | Human Res. & Family Sci. | Journalism & Mass Comm. | Teachers   | Law          | ROTC          | Other Units   | Fall 2004 Total | Fall 2003 Total | Change From Fall 2003 |
| Ag. Sci. & Nat. Res.              | 8,984         | 12           | 5,785           | 980             | 310                   | 23            | 417               |                          | 280                     |            |              | 12            | 66            | 16,869          | 17,772          | (903)                 |
| Architecture                      | 99            | 4,625        | 1,934           | 26              | 201                   | 251           | 542               |                          | 15                      |            |              | 3             | 170           | 7,866           | 7,577           | 289                   |
| Arts & Sciences                   | 1,465         | 30           | 46,892          | 1,792           | 2,013                 | 103           | 2,895             |                          | 277                     |            |              | 142           | 1,445         | 57,054          | 59,348          | (2,294)               |
| Business Administration           | 534           | 6            | 13,156          | 19,103          | 1,555                 | 10            | 2,205             |                          | 1,193                   |            |              | 46            | 588           | 38,396          | 39,386          | (990)                 |
| Education and Human Sciences (a)  | 602           | 3            | 11,664          | 639             | 16,515                |               | 1,537             |                          | 158                     |            |              | 21            | 304           | 31,443          | 33,353          | (1,910)               |
| Engineering & Technology          | 810           | 393          | 9,217           | 758             | 85                    | 14,526        | 431               |                          | 471                     |            |              | 62            | 361           | 27,114          | 26,949          | 165                   |
| Fine & Performing Arts            | 61            | 15           | 2,420           | 85              | 282                   | 14            | 5,945             |                          | 39                      |            |              | 12            | 172           | 9,045           | 9,165           | (120)                 |
| Human Resources & Family Sci. (a) |               |              |                 |                 |                       |               |                   |                          |                         |            |              |               |               | -               | -               | n/a                   |
| Journalism & Mass Communications  | 275           |              | 6,367           | 851             | 237                   |               | 670               |                          | 3,597                   |            |              | 10            | 149           | 12,156          | 11,952          | 204                   |
| Teachers (a)                      |               |              |                 |                 |                       |               |                   |                          |                         |            |              |               |               | -               | -               | n/a                   |
| Continuing Studies (b)            |               |              |                 |                 |                       |               |                   |                          |                         |            |              |               |               | -               | -               | n/a                   |
| General Studies                   | 671           | 46           | 18,397          | 1,223           | 2,228                 | 236           | 1,861             |                          | 480                     |            |              | 14            | 377           | 25,533          | 27,353          | (1,820)               |
| Visiting                          | 34            | 6            | 321             | 22              | 143                   | 21            | 31                |                          | 11                      |            |              | 3             | 16            | 608             | 831             | (223)                 |
| Law                               |               |              | 22              | 12              | 15                    |               | 2                 |                          |                         |            | 6,322        |               |               | 6,373           | 6,534           | (161)                 |
| Graduate                          | 3,859         | 392          | 8,686           | 2,906           | 7,699                 | 2,608         | 1,414             |                          | 286                     |            | 37           |               | 177           | 28,064          | 28,998          | (934)                 |
| CPACS - UNO                       | 40            |              | 1,644           | 34              | 184                   |               | 127               |                          | 15                      |            |              | 12            | 29            | 2,085           | 2,005           | 80                    |
| Nursing - UNMC                    |               |              | 18              |                 | 11                    |               |                   |                          | 3                       |            |              |               |               | 32              | 22              | 10                    |
| Dental Graduates                  | 2             |              | 3               |                 | 42                    |               |                   |                          |                         |            |              |               |               | 47              | 49              | (2)                   |
| Undergraduate - UNO               | 1,591         | 28           |                 |                 | 459                   | 293           |                   |                          |                         |            |              |               |               | 2,371           | 2,973           | (602)                 |
| Graduate - UNO                    |               |              |                 |                 | 6                     | 22            |                   |                          |                         |            |              |               |               | 28              | 755             | (727)                 |
| <b>TOTAL FALL 2004</b>            | <b>19,027</b> | <b>5,556</b> | <b>126,526</b>  | <b>28,431</b>   | <b>31,985</b>         | <b>18,107</b> | <b>18,077</b>     | <b>-</b>                 | <b>6,825</b>            | <b>-</b>   | <b>6,359</b> | <b>337</b>    | <b>3,854</b>  | <b>265,084</b>  |                 |                       |
| <b>TOTAL FALL 2003</b>            | <b>15,477</b> | <b>5,517</b> | <b>135,291</b>  | <b>29,544</b>   | <b>36,603</b>         | <b>18,567</b> | <b>16,960</b>     | <b>-</b>                 | <b>5,727</b>            | <b>-</b>   | <b>6,550</b> | <b>473</b>    | <b>4,313</b>  |                 | <b>275,022</b>  |                       |
| <b>CHANGE FROM FALL 2003</b>      | <b>3,550</b>  | <b>39</b>    | <b>(8,765)</b>  | <b>(1,113)</b>  | <b>(4,618)</b>        | <b>(460)</b>  | <b>1,117</b>      | <b>n/a</b>               | <b>1,098</b>            | <b>n/a</b> | <b>(191)</b> | <b>(136)</b>  | <b>(459)</b>  |                 |                 | <b>(9,938)</b>        |
| <b>% CHANGE</b>                   | <b>22.9%</b>  | <b>0.7%</b>  | <b>-6.5%</b>    | <b>-3.8%</b>    | <b>-12.6%</b>         | <b>-2.5%</b>  | <b>6.6%</b>       | <b>n/a</b>               | <b>19.2%</b>            | <b>n/a</b> | <b>-2.9%</b> | <b>-28.8%</b> | <b>-10.6%</b> |                 |                 | <b>-3.6%</b>          |

Source: UNL Institutional Research and Planning

Footnotes:

(a) In Fall, 2003, the Human Resources & Family Sciences and Teachers Colleges were merged to form the Education and Human Sciences College.

(b) In Fall, 2003, the Division of Continuing Education was discontinued.



## UNIVERSITY OF NEBRASKA MEDICAL CENTER STUDENT CREDIT HOUR REPORT

Student credit hours are assigned to the campus which grants the credit to the student.

Fall Semester, 2004

| COLLEGE OF FACULTY             |               |              |              |              |               |                    |                    |                             |
|--------------------------------|---------------|--------------|--------------|--------------|---------------|--------------------|--------------------|-----------------------------|
| COLLEGE OF STUDENT             | Medicine      | Nursing      | Pharmacy     | Dentistry    | ICP*          | Fall 2004<br>Total | Fall 2003<br>Total | Change<br>From<br>Fall 2003 |
| Allied Health                  | 5,898         | 18           |              |              |               | 5,916              | 5,778              | 138                         |
| Nursing - Omaha                | 82            | 2,551        |              |              |               | 2,633              | 2,422              | 211                         |
| Nursing - Lincoln              |               | 2,287        |              |              |               | 2,287              | 2,207              | 80                          |
| Nursing - Kearney              | 48            | 1,473        |              |              |               | 1,521              | 1,387              | 134                         |
| Nursing - Western              | 38            | 1,297        |              |              |               | 1,335              | 1,136              | 199                         |
| Nursing - Certification        |               | 77           |              |              |               | 77                 | 60                 | 17                          |
| Dentistry                      |               |              |              | 2,752        |               | 2,752              | 2,745              | 7                           |
| Dental Hygiene                 |               |              |              | 670          |               | 670                | 640                | 30                          |
| Dental Certification Program   |               |              |              | 480          |               | 480                | 448                | 32                          |
| Medicine (M.D.)                | 9,526         |              |              |              |               | 9,526              | 8,656              | 870                         |
| Post M.D.                      | 10,080        |              |              |              |               | 10,080             | 6,648              | 3,432                       |
| Medical Family Therapy         |               |              |              |              |               | -                  | 3                  | (3)                         |
| Radiology Oncology Physics     | 17            |              |              |              |               | 17                 | 12                 | 5                           |
| Pharmacy                       | 1,086         |              | 3,832        |              |               | 4,918              | 4,983              | (65)                        |
| Pharmacy Certification Program |               |              | 112          |              |               | 112                | 112                | -                           |
| Unclassified Undergraduate     | 10            | 14           |              |              |               | 24                 | 40                 | (16)                        |
| Graduate                       | 1,414         | 1,668        | 222          | 62           | 53            | 3,419              | 3,511              | (92)                        |
| <b>TOTAL Fall 2004</b>         | <b>28,199</b> | <b>9,385</b> | <b>4,166</b> | <b>3,964</b> | <b>53</b>     | <b>45,767</b>      |                    |                             |
| <b>TOTAL Fall 2003</b>         | <b>23,995</b> | <b>8,950</b> | <b>3,842</b> | <b>3,973</b> | <b>28</b>     |                    | <b>40,788</b>      |                             |
| <b>CHANGE FROM Fall 2003</b>   | <b>4,204</b>  | <b>435</b>   | <b>324</b>   | <b>(9)</b>   | <b>25</b>     |                    |                    | <b>4,979</b>                |
| <b>% CHANGE</b>                | <b>17.5%</b>  | <b>4.9%</b>  | <b>8.4%</b>  | <b>-0.2%</b> | <b>100.0%</b> |                    |                    | <b>12.2%</b>                |

\*ICP - Intercampus Programs - Includes Toxicology and in the Spring, Public Health Administration

Source: UNMC Office of Academic Records

Official Fall Enrollment Report  
Oct. 12, 2004

**UNIVERSITY OF NEBRASKA AT OMAHA  
STUDENT CREDIT HOUR REPORT**

Student credit hours are assigned to the campus which grants the credit to the student.  
Fall Semester, 2004

| COLLEGE OF FACULTY                 |                 |                |               |               |               |              |                     |             |                 |                 |                 |                       |
|------------------------------------|-----------------|----------------|---------------|---------------|---------------|--------------|---------------------|-------------|-----------------|-----------------|-----------------|-----------------------|
| COLLEGE OF STUDENT                 | Arts & Sciences | Business Admin | CPACS         | Education     | Fine Arts     | ISTE         | University Division | ROTC        | Other Units (a) | Fall 2004 Total | Fall 2003 Total | Change From Fall 2003 |
| Agriculture - UNL                  | 167             | 18             | 9             | 3             | 15            | 6            |                     |             |                 | 218             | 150             | 68                    |
| Architecture - UNL                 | 288             | 21             | 3             | 25            | 148           |              |                     |             |                 | 485             | 669             | (184)                 |
| Arts and Sciences                  | 36,544          | 1,065          | 1,467         | 1,403         | 1,549         | 356          | 46                  | 25          | 47              | 42,502          | 41,397          | 1,105                 |
| Business Administration            | 8,944           | 11,770         | 277           | 582           | 884           | 133          | 48                  | 1           | 24              | 22,663          | 23,041          | (378)                 |
| Education                          | 6,788           | 158            | 153           | 8,719         | 910           | 87           | 16                  |             | 27              | 16,858          | 16,485          | 373                   |
| Engineering & Technology - UNL     | 4,637           | 141            | 93            | 81            | 260           | 660          | 12                  | 13          | 3               | 5,900           | 5,873           | 27                    |
| Fine Arts                          | 1,802           | 9              | 75            | 190           | 4,089         | 15           |                     | 3           | 3               | 6,186           | 5,911           | 275                   |
| Education and Human Sciences - UNL | 506             | 34             | 102           | 167           | 41            |              |                     | 3           |                 | 853             | 1,448           | (595)                 |
| Information Science & Technology   | 3,481           | 563            | 96            | 53            | 156           | 3,918        |                     | 10          | 15              | 8,292           | 9,374           | (1,082)               |
| Non-Degree                         | 1,130           | 208            | 160           | 142           | 103           | 84           |                     | 7           |                 | 1,834           | 1,934           | (100)                 |
| CPACS                              | 3,038           | 106            | 3,147         | 237           | 151           | 75           | 2                   | 12          |                 | 6,768           | 6,650           | 118                   |
| Division of Continuing Studies     | 5,576           | 606            | 1,064         | 959           | 603           | 289          | 4                   | 39          |                 | 9,140           | 9,274           | (134)                 |
| University Division                | 6,498           | 229            | 492           | 473           | 866           | 128          | 40                  | 2           |                 | 8,728           | 9,103           | (375)                 |
| Undergraduate - UNL                |                 |                | 2,826         |               |               |              |                     |             |                 | 2,826           | 2,772           | 54                    |
| Graduate                           | 2,404           | 2,327          | 3,636         | 4,934         | 302           | 1,359        |                     | 6           |                 | 14,968          | 15,768          | (800)                 |
| <b>TOTAL FALL 2004</b>             | <b>81,803</b>   | <b>17,255</b>  | <b>13,600</b> | <b>17,968</b> | <b>10,077</b> | <b>7,110</b> | <b>168</b>          | <b>121</b>  | <b>119</b>      | <b>148,221</b>  |                 |                       |
| <b>TOTAL FALL 2003</b>             | <b>82,799</b>   | <b>18,187</b>  | <b>12,985</b> | <b>17,667</b> | <b>9,409</b>  | <b>7,863</b> | <b>736</b>          | <b>113</b>  | <b>90</b>       |                 | <b>149,849</b>  |                       |
| <b>CHANGE FROM FALL 2003</b>       | <b>(996)</b>    | <b>(932)</b>   | <b>615</b>    | <b>301</b>    | <b>668</b>    | <b>(753)</b> | <b>(568)</b>        | <b>8</b>    | <b>29</b>       |                 |                 | <b>(1,628)</b>        |
| <b>% CHANGE</b>                    | <b>-1.2%</b>    | <b>-5.1%</b>   | <b>4.7%</b>   | <b>1.7%</b>   | <b>7.1%</b>   | <b>-9.6%</b> | <b>-77.2%</b>       | <b>7.1%</b> | <b>32.2%</b>    |                 |                 | <b>-1.1%</b>          |

(a) Other Units include: Honors Colloquium and Library courses.

Source: UNO Institutional Research

# UNIVERSITY OF NEBRASKA AT KEARNEY

## STUDENT CREDIT HOUR REPORT

Student credit hours are assigned to the campus which grants the credit to the student.

Fall Semester, 2004

| <b>COLLEGE OF FACULTY</b>    |                                |                  |                                       |                                              |                            |                            |                                      |
|------------------------------|--------------------------------|------------------|---------------------------------------|----------------------------------------------|----------------------------|----------------------------|--------------------------------------|
| <b>COLLEGE OF STUDENT</b>    | <b>Business<br/>&amp; Tech</b> | <b>Education</b> | <b>Fine Arts &amp;<br/>Humanities</b> | <b>Natural &amp;<br/>Social<br/>Sciences</b> | <b>Fall 2004<br/>Total</b> | <b>Fall 2003<br/>Total</b> | <b>Change<br/>From<br/>Fall 2003</b> |
| Business & Technology        | 10,912                         | 571              | 2,587                                 | 3,709                                        | 17,779                     | 17,768                     | 11                                   |
| Education                    | 1,052                          | 8,035            | 2,379                                 | 3,569                                        | 15,035                     | 19,214                     | (4,179)                              |
| Fine Arts & Humanities       | 907                            | 766              | 6,811                                 | 2,261                                        | 10,745                     | 8,721                      | 2,024                                |
| Natural & Social Sciences    | 1,325                          | 1,231            | 2,770                                 | 11,861                                       | 17,187                     | 19,963                     | (2,776)                              |
| University College           | 1,603                          | 867              | 3,107                                 | 7,014                                        | 12,591                     | 7,513                      | 5,078                                |
| Graduate                     | 421                            | 4,032            | 355                                   | 663                                          | 5,471                      | 5,486                      | (15)                                 |
| <b>TOTAL FALL 2004</b>       | <b>16,220</b>                  | <b>15,502</b>    | <b>18,009</b>                         | <b>29,077</b>                                | <b>78,808</b>              |                            |                                      |
| <b>TOTAL FALL 2003</b>       | <b>17,194</b>                  | <b>14,810</b>    | <b>18,145</b>                         | <b>28,516</b>                                |                            | <b>78,665</b>              |                                      |
| <b>CHANGE FROM FALL 2003</b> | <b>(974)</b>                   | <b>692</b>       | <b>(136)</b>                          | <b>561</b>                                   |                            |                            | <b>143</b>                           |
| <b>% CHANGE</b>              | <b>-5.7%</b>                   | <b>4.7%</b>      | <b>-0.7%</b>                          | <b>2.0%</b>                                  |                            |                            | <b>0.2%</b>                          |

Source: UNK Institutional Research

**In Fall 2004, the alignment of majors within colleges was revised. As a result, comparisons of enrollment by college with previous years**

University of Nebraska  
Office of the Executive Vice President and Provost  
FTE

|                   |  | UNL       |           |            |          | UNMC *    |           |            |          | UNO       |           |            |          |
|-------------------|--|-----------|-----------|------------|----------|-----------|-----------|------------|----------|-----------|-----------|------------|----------|
|                   |  | Fall 2004 | Fall 2003 | Difference | % Change | Fall 2004 | Fall 2003 | Difference | % Change | Fall 2004 | Fall 2003 | Difference | % Change |
| <b>FTE Totals</b> |  |           |           |            |          |           |           |            |          |           |           |            |          |
| Undergraduate     |  | 16,163    | 16,763    | -600       | -3.6%    | 738       | 686       | 52         | 7.6%     | 9119      | 9114      | 5          | 0.1%     |
| Graduate          |  | 2,725     | 2,881     | -156       | -5.4%    | 323       | 1,003     | -680       | -67.8%   | 1359      | 1432      | -73        | -5.1%    |
| Professional      |  | 485       | 416       | 69         | 16.6%    | 1,586     | 891       | 695        | 78.0%    |           |           |            |          |
| Total             |  | 19,373    | 20,060    | -687       | -3.4%    | 2,647     | 2,580     | 67         | 2.6%     | 10478     | 10546     | -68        | -0.6%    |

|                   |  | UNK       |           |            |          | University Wide |           |            |          |
|-------------------|--|-----------|-----------|------------|----------|-----------------|-----------|------------|----------|
|                   |  | Fall 2004 | Fall 2003 | Difference | % Change | Fall 2004       | Fall 2003 | Difference | % Change |
| <b>FTE Totals</b> |  |           |           |            |          |                 |           |            |          |
| Undergraduate     |  | 5,046     | 5,017     | 29         | 0.6%     | 31,066          | 31,580    | -514       | -1.6%    |
| Graduate          |  | 451       | 461       | -10        | -2.2%    | 4,858           | 5,777     | -919       | -15.9%   |
| Professional      |  |           |           |            |          | 2,071           | 1,306     | 765        | 58.6%    |
| Total             |  | 5,497     | 5,478     | 19         | 0.3%     | 37,995          | 38,663    | -668       | -1.7%    |

\* House Officers at UNMC were classified as Graduate in fall 2003 and are now classified Professional in fall 2004

Full Time Equiv. (FTE) is defined as full time plus one third part time headcount.

TO: The Board of Regents  
Business Affairs

MEETING DATE: October 29, 2004

SUBJECT: Design Development Report for the University of Nebraska-Lincoln (UNL) North Stadium Improvement Project

RECOMMENDED ACTION: Report

PREVIOUS ACTION: January 17, 2004 - The Board of Regents approved the program statement and budget for the UNL North Stadium Improvement Project.  
  
April 24, 2004 - The Board of Regents approved the issuance and sale of Revenue Bonds for the North Stadium Improvement Project.

EXPLANATION: On May 19, 2004, the University of Nebraska awarded a Design-build contract to Sampson Construction for the North Stadium Improvement Project. Sampson Construction was selected in accordance with the Design-build selection process approved by the Board of Regents. The Clark Enersen Partners is the Architect of Record for the project.  
  
The UNL North Stadium Improvement Project includes the demolition and reconstruction of the Schulte Field House, expanded seating in the North Stadium of Memorial Stadium for about 5,000 seats, the addition of a north stadium concourse, restroom and concession expansion, and a new indoor practice facility. The improvements will provide space for a performance center to include strength training, conditioning, rehabilitation, and athletic medicine. A football locker room, football equipment room, administrative offices, and offices for the football coaches will also be included.

|                                      |             |
|--------------------------------------|-------------|
| Start of design and preliminary work | May 2004    |
| Proposed completion of construction  | August 2006 |

PROJECT COST: \$50,000,000

|                         |                                                       |           |
|-------------------------|-------------------------------------------------------|-----------|
| ON-GOING FISCAL IMPACT: | Annual Operating Costs (included in the FY 04 Budget) | \$650,000 |
|                         | 2% Assessment                                         | None      |

SOURCE OF FUNDS: Auxiliaries and Services Funds

SPONSOR: Christine A. Jackson  
Vice Chancellor for Business & Finance

APPROVAL: \_\_\_\_\_  
Harvey Perlman, Chancellor  
University of Nebraska-Lincoln

DATE: September 30, 2004

## **North Stadium Improvement Project, Design Development Report**

University of Nebraska–Lincoln

### **Project Description**

Major components of this project include:

- Expand Memorial Stadium’s North Bleacher seating by 5,000 seats or more.
- Code required and ADA improvements to the North Stadium Bleacher.
- Addition of a new north stadium concourse, expanded restrooms, and concessions.
- New Tom & Nancy Osborne Athletic complex that will house the administrative offices, football offices and meeting spaces, football locker room, training facilities, athletic medicine and the athletic performance center.
- New indoor field house that will house an indoor “field turf” playing surface for football, soccer and other sports, soccer offices and locker room, training facility, public restrooms and concession, and performance and training equipment.
- Site improvements including a new outdoor practice field for football.

The project will also create a beautiful new front door for the University of Nebraska Athletic Department. The project will be a state-of-the-art facility which will improve recruitment for all sports, improve staff offices, improve services of athletic medicine, improve storage for the athletic department, expand seating and improve game-day amenities for the fans, improve training and performance spaces for all student athletes.

### **Cost**

|                    |              |
|--------------------|--------------|
| Total Project Cost | \$50,000,000 |
|--------------------|--------------|

### **Project Schedule**

|                                         |              |
|-----------------------------------------|--------------|
| Notice to proceed, design & Prelim work | May 2004     |
| Schematic Design Complete               | June 2004    |
| Design Development Complete             | August 2004  |
| Construction Documents complete         | October 2004 |
| Substantial Completion                  | August 2006  |



EAST ELEVATION



NORTH ELEVATION

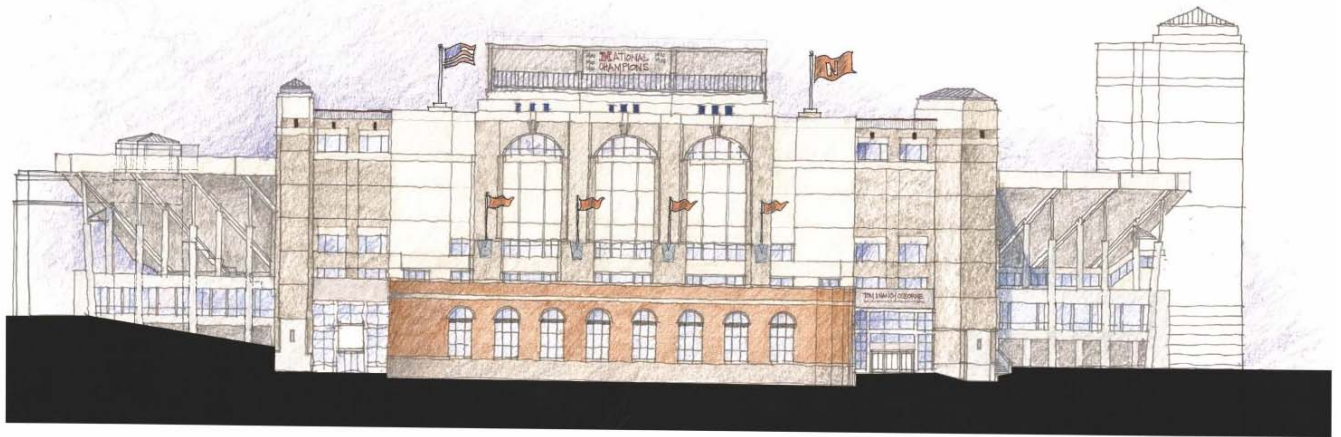


SOUTH ELEVATION



WEST ELEVATION

University of Nebraska Memorial Stadium Improvement Project  
Indoor Practice Facility



NORTH ELEVATION

University of Nebraska Memorial Stadium Improvement Project  
North Stadium Addition



TO: The Board of Regents

Business Affairs

MEETING DATE: October 29, 2004

SUBJECT: Report of Bids and Contracts

RECOMMENDED ACTION: Report

PREVIOUS ACTION: None

EXPLANATION: The attached report is a summary of bids and contracts as provided by the campuses pursuant to Section 6.4 of the *Bylaws of the Board of Regents of the University of Nebraska* for the period ended October 7, 2004.

The report outlines the following: type of action; campus; description and use of the product, service, or project; funding source; approved budget amount; contract amount; contractor or vendor; and a bid review or bid explanation if the low responsible bid was not accepted.

PROJECT COST: None

SOURCE OF FUNDS: None

APPROVAL:

\_\_\_\_\_  
David E. Lechner  
Vice President for Business & Finance

DATE: October 7, 2004

| Type of Action        | Campus | Description                                                             | Funding Source                     | Approved Budget Amount | Contract Amount | Contractor/ Vendor           | Bid Review or Explanation  |
|-----------------------|--------|-------------------------------------------------------------------------|------------------------------------|------------------------|-----------------|------------------------------|----------------------------|
| Construction Contract | UNL    | Vet Diagnostics HVAC Upgrade                                            | General Funds                      | \$914,080              | \$1,676,000     | Cheever Construction Company | Lowest responsible bidder. |
|                       | UNL    | Seaton Hall 2nd & 3rd Floor Remodel                                     | Cash Funds<br>Trust Funds          | \$619,850              | \$1,100,000     | Rogge Contractors, Inc.      | Lowest responsible bidder. |
|                       | UNL    | ARDC Feedlot Expansion                                                  | Cash Funds<br>General Funds        | \$327,636              | \$327,636       | Bodwell Construction, Inc.   | Lowest responsible bidder. |
|                       | UNL    | Chemical Engineering Facility Remodel                                   | Federal Funds                      | \$1,470,658            | \$1,470,658     | Good Manufacturing Practices | Lowest responsible bidder. |
|                       | UNL    | Old Father Hall Window Sill Replacement                                 | LB-309 Maintenance                 | \$131,950              | \$156,405       | Williams Restoration Company | Lowest responsible bidder. |
|                       | UNL    | Vet Basic Science Redox Biology Renovation                              | Federal Funds<br>Cash Funds        | \$525,000              | \$607,596       | Kingery Construction         | Lowest responsible bidder. |
|                       | UNL    | Mitchell Beef Feed Lot Expansion; Panhandle Research & Extension Center | Cash Funds                         | \$128,116              | \$167,813       | Heggem Construction, Inc.    | Lowest responsible bidder. |
|                       | UNMC   | Swanson Hall Masonry Repairs                                            | LB-309 and<br>Deferred Maintenance | \$224,000              | \$102,680       | Williams Restoration Company | Lowest responsible bidder. |
|                       | UNMC   | 4230 Building Storm Sewer Modifications                                 | LB-309 and<br>Deferred Maintenance | \$394,565              | \$379,390       | Mainelli Mechanical          | Lowest responsible bidder. |

| Type of Action                | Campus | Description                                            | Funding Source                            | Approved Budget Amount | Contract Amount | Contractor/ Vendor            | Bid Review or Explanation                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------|--------|--------------------------------------------------------|-------------------------------------------|------------------------|-----------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal Property Procurement | UNL    | Design & Build Isolators for Chemical Engineering/BPDF | Federal Funds                             | \$226,512              | \$226,512       | Cone Craft Integrated Systems | Lowest responsible bidder.                                                                                                                                                                                                                                                                                                                                                                                                 |
|                               | UNMC   | Cisco Data Network Equipment                           | Information Technology-Telecommunications | \$220,000              | \$216,927       | Bizco Technologies, Inc.      | Lowest responsible bidder.                                                                                                                                                                                                                                                                                                                                                                                                 |
|                               | UNMC   | Ivis Imaging System                                    | Nebraska Research Initiative              | \$251,500              | \$251,500       | Xenogen Corporation           | Sole Source -Only system on the market capable of biophotonic imaging in live animals using luciferase or green fluorescent protein.                                                                                                                                                                                                                                                                                       |
|                               | UNMC   | DNA Analysis System                                    | Nebraska Research Initiative              | \$236,000              | \$236,000       | Applied Biosystems, Inc.      | Low responsive bidder - Three manufacturers' equipment were evaluated by the "Core Facility." The Core Facility performs work for all campus departments. Applied Biosystems provided the best speed, accuracy and capacity which were the critical criteria used in determining the best system.                                                                                                                          |
|                               | UNMC   | Analytical Ultracentrifuge                             | Nebraska Research Initiative              | \$278,239              | \$278,239       | Beckman Coulter, Inc.         | Sole Source - The Beckman Coulter system is the only system on the market whose operating methodology measures the relative change in the distribution of molecular weights, providing an efficient way to measure heterogeneity, stoichiometry and self-associating systems. Also, the instrument optics provide the capability to measure the change in refractive index resulting from changes in sample concentration. |

TO: The Board of Regents  
Business Affairs

MEETING DATE: October 29, 2004

SUBJECT: Naming a gallery “The Rohman Family Gallery” in the Sheldon Memorial Art Gallery at the University of Nebraska-Lincoln

RECOMMENDED ACTION: Report

PREVIOUS ACTION: None

EXPLANATION: President Milliken and Chancellor Perlman have approved naming a gallery in the Sheldon Memorial Art Gallery “The Rohman Family Gallery.”

Throughout the years, the Ky Rohman family has made many significant art donations to the Sheldon. Key works by American artists such as Lilian Westcott Hale, Severin Roesen, Martin Johnson Heade and sculptor Thomas Crawford are regularly featured in the permanent collection gallery that will be named “The Rohman Family Gallery.”

By naming a gallery in the Sheldon Memorial Art Gallery in honor of the Rohman family the Board of Regents express on behalf of the University of Nebraska-Lincoln its deepest gratitude and appreciation for their continued generosity and support of the arts at the University.

PROJECT COST: None

SOURCE OF FUNDS: None

SPONSORS: Jan Driesbach, Director  
Sheldon Memorial Art Gallery

Christine A. Jackson  
Vice Chancellor for Business & Finance

APPROVALS: \_\_\_\_\_  
Harvey Perlman, Chancellor  
University of Nebraska-Lincoln

\_\_\_\_\_

James B. Milliken  
President

DATE: October 11, 2004

TO: The Board of Regents  
Academic Affairs

MEETING DATE: October 29, 2004

SUBJECT: Continuation of the Seniors Learning Passport

RECOMMENDED ACTION: Report on the continuation of the Seniors Learning Passport.

PREVIOUS ACTION: June 23, 2001 -- The Board of Regents approved the initiation of a Seniors Learning Passport.

EXPLANATION: The program permits Seniors Citizens over 65 years of age to participate in undergraduate classes for an annual registration fee of \$25. The program has been in operation for approximately three years. Participation in the program has been light with less than five participants on each campus per semester. Feedback on the program has been positive and it will be continued.

PROJECT COST: None

SOURCE OF FUNDS: Annual Passport Fee of \$25

APPROVAL: \_\_\_\_\_  
James B. Milliken  
President

DATE: October 1, 2004