

6. Authorization of New Capital Improvements Projects – ECU, NCSU,
UNC-CH, UNCC, UNCG, and UNCGAJonathan Pruitt

Situation: East Carolina University, North Carolina State University, the University of North Carolina at Chapel Hill, the University of North Carolina at Charlotte, the University of North Carolina at Greensboro, and UNC General Administration have requested authority to proceed with non-appropriated capital projects using available funds derived from receipts, student fees, foundation funds, trust funds, research facilities and administrative funds, and carry forward operating funds.

Background: The Board of Governors may authorize capital construction projects at UNC campuses using available funds.

Assessment: ECU, NCSU, UNC-CH, UNCC, UNCG, and UNCGA have requested projects that meet the Statutory requirements, and it is recommended that the Board of Governors approve the projects and their methods of funding. It is recommended that these projects and methods of funding be authorized and reported to the Office of State Budget and Management as non-appropriated projects that will not require any additional debt or burden on state appropriations.

Action: This item requires a vote.

Authorization of New Capital Improvement Projects – North Carolina State University, the University of North Carolina at Chapel Hill, the University of North Carolina at Greensboro, and UNC General Administration

North Carolina State University, the University of North Carolina at Chapel Hill, the University of North Carolina at Greensboro, and UNC General Administration have requested authority to establish new capital improvements projects.

NCSU – Farmers Market Park and Ride Lot: This project will modify the existing south side surface parking lot at the State Farmers Market along Centennial Parkway proximate to the NCSU Centennial Campus for a weekday park and ride facility. The project will reconfigure and add to existing parking areas to provide approximately 205 parking spaces. The work will include a bus shelter, area lighting, appropriate landscaping, concrete curb and gutter, pedestrian walkways, chain link perimeter fence and gate, and an access road connection with Lake Wheeler Road. The project, estimated to cost \$998,359 (including previously approved advance planning) and funded from the Centennial Campus Trust Fund, will be completed by May 2015.

UNC-Chapel Hill – Kenan Laboratories – Energy Conservation: This project will modify existing office and laboratory HVAC system equipment to provide a variable air volume distribution system, install modern building automation controls, and re-commission the building. The project, estimated to cost \$1,000,000 and funded from facilities and administrative receipts, will be completed by June 2016.

UNC-Chapel Hill – Craige Residence Hall – Elevator Modernization: This project will modernize two elevators in Craige Residence Hall, a facility completed in 1962. The elevators currently employ analog mechanical relay control systems for which replacement parts are increasingly hard to find. Modernizing the elevators will install new control systems and will bring them up to current standards required by the N.C. Department of Labor, building fire codes, and the Americans with Disabilities Act. The project, estimated to cost \$683,000 and funded from the Housing Trust Fund, will be completed by May 2015.

UNC-Chapel Hill – Craige Residence Hall – Roof Replacement: The existing Craige Residence Hall roof is a built-up “flat” roof that was installed in 1991. The roof is showing signs of stress at the transition flashing from horizontal to vertical surfaces. The roof is beyond the normal 20-year life and needs replacement before failure occurs. The project, estimated to cost \$581,000 and funded from the Housing Trust Fund, will be completed by May 2015.

UNC-Greensboro – Soccer Stadium and Field Repairs: The existing soccer stadium is more than twenty years old. This project will rebuild the playing surface (both drainage and turf), replace all expansion joints, exposed stadium sealants, press box roofing, temporarily remove seats, and replace seat anchors, repair rails, and make other repairs in concession areas, bathrooms, and HVAC system. The project, estimated to cost \$1,910,000 (including previously approved advance planning) and funded from the Student Facilities Fee, will be completed by August 2015.

UNC General Administration – Chiller Replacements: The chillers that provide chilled water to the Spangler Complex are owned and operated by the University of North Carolina at Chapel

Hill. The existing system that serves the Meredith Riggs Spangler Building is nearing the end of its life. The cooling tower for the system that serves the C. D. Spangler, Jr. Building is very inefficient and requires extensive maintenance due to its physical environment. This project will install two air-cooled chillers in an alternate location and will supply chilled water to both buildings. The existing cooling tower and other obsolete equipment will be removed. The new system will provide increased reliability, efficiency, and redundancy. The project, estimated to cost \$751,000 and funded from the Energy Services Trust Fund, will be completed by August 2015.

Authorization for Advance Planning of New Capital Improvement Projects – East Carolina University, North Carolina State University, the University of North Carolina at Charlotte, and the University of North Carolina at Greensboro

East Carolina University, North Carolina State University, the University of North Carolina at Charlotte, and the University of North Carolina at Greensboro have requested authority to establish advance planning for new capital improvement projects.

ECU – Advance Planning – Student Services Building: This item requests an authorization of \$2,838,258 for advance planning for a Student Services Building. The project will provide a centralized “one stop shop” location for Financial Aid, Registrar, Academic Advising and Support Center, Career Center, Admissions, and other student services. Consolidation of these units in one location will improve access to support services for students and parents, reduce space requirements through better space utilization, and reduce operating costs. The building will be about 50,000 gross square feet (GSF) in size with 20,000 GSF required for student support services and the remaining 30,000 GSF owned by the ECU Real Estate Foundation who will lease space to the University and other independent third parties. This project is identified in the ECU Master Plan as Building Initiative #2 in the “Downtown District” Neighborhood and will be located at the intersection of 4th and Reade Streets near the future Alumni Center. This location is easily accessible from campus and has ample surface parking. The advance planning will be funded from 2013-14 Carry Forward Funds. The remainder of the estimated \$14,500,000 cost will be funded by the ECU Foundation.

NCSU – Greek Village Phase 2 Infrastructure: This item requests an authorization of \$200,000 for advance planning for Greek Village Phase 2. Greek Village has completed Phase 1 of the five phases of the Greek Master Plan adopted to meet the growth needs of the Greek community at NCSU. This Phase 2 Infrastructure project will expand the roads, utilities, parking, and building pads to prepare for construction of two Chapter houses and multi-residential buildings A, B and C on the Master Plan. The project, estimated to cost \$6,300,000 including this request of \$200,000 for advance planning, will be funded from Campus Life Receipts.

NCSU – College of Veterinary Medicine – Anatomy Lab Renovation: This item requests an authorization of \$175,000 for advance planning of renovations to the Anatomy Lab at the College of Veterinary Medicine. The project will expand the Anatomy Lab within the existing building footprint to accommodate student enrollment growth. Decommissioned lab and office space will be repurposed to accommodate approximately 100 students. Ventilation and safety features in the Anatomy Lab will be improved and associated support, cooler, and office space

for anatomy instruction will be added. Adjacent units impacted by the expansion will also be relocated and reconfigured. Change of space use may require an increase in the number of toilet and lavatory fixtures to comply with building codes. The project, estimated to cost \$1,750,000 including this request of \$175,000 for advance planning, will be funded from the College of Veterinary Medicine Trust Fund.

UNC-Charlotte – Hawthorn Hall Renovation: This item requests an authorization of \$975,000 for advance planning of renovations to Hawthorn Hall. Hawthorn Hall is a 232-bed residence facility built in 1983. Renovations to update the mechanical, electrical, telecom, and plumbing systems are required. Interiors will be renovated to modern student housing standards. The project includes window and roof replacements along with modifications to meet requirements of the Americans with Disabilities Act. This project is on UNC-Charlotte's Six-Year Plan for non-appropriated capital improvements. The project, estimated to cost \$9,750,000 including this request of \$975,000 for advance planning, will be funded from Housing and Residence Life Receipts.

UNC-Charlotte – Moore Hall Renovation: This item requests an authorization of \$2,068,755 for advance planning of renovations to Moore Hall. Moore Hall is a 500-bed residence facility built in 1969. Renovations to update the mechanical, electrical, telecom, and plumbing systems are required. Interiors will be renovated to modern student housing standards. The project includes widow and roof replacements along with modifications to meet requirements of the Americans with Disabilities Act. This project is on UNC-Charlotte's Six-Year Plan for non-appropriated capital improvements. The project, estimated to cost \$20,687,550 including this request of \$2,068,755 for advance planning, will be funded from Housing and Residence Life Receipts.

UNC-Greensboro – Renovations to 1510 Walker Avenue: This item requests an authorization of \$500,000 for advance planning of renovations to an 89,680 square foot building located a 1510 Walker Avenue. This renovated building will provide space for the following academic departments: Dance Department, UNCG's Middle College, and the School of Health and Human Services. The project is estimated to cost \$6,670,000. This request of \$500,000 for advance planning will be funded from facilities and administrative receipts.

The University of North Carolina
Request for New or Increase in Capital Improvement Project

Department/Institution: NC State University Advance Planning Request: _____
New Capital Projects: _____

Increase in Authorization from: \$ _____ to \$ _____

Project Title: Farmers Market Park and Ride Lot

Project Cost: \$998,359 (Includes previously approved \$79,319 AP)

Source of Funds: Centennial Campus Trust Fund

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code 41224 Item 319

For each advance planning project or capital construction project, please provide the following:

1. A detailed project description and justification:

The project will modify the existing south side surface parking lot at the State Farmers Market along Centennial Parkway in Raleigh, North Carolina, proximate to the NCSU Centennial Campus for a weekday park-and-ride facility. The project will reconfigure and add to existing parking areas; approximately 205 parking spaces. The project will also include a bus shelter, lighting, landscaped concrete curb and gutter, pedestrian walkways, chain link perimeter fence and gate, and an access road connection to Lake Wheeler Road.

2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (Answer for capital construction only and include a completed OC-25 form)

See attached OC-25.

3. An estimated schedule of cash flow requirements over the life of the project :

FY 2014: 3Q – \$14,840	4Q – \$45,046		
FY 2015: 1Q – \$44,223	2Q – \$17,483	3Q – \$561,322	4Q – \$219,693
FY 2016: 1Q – \$75,454	2Q – \$20,298		

4. An estimated schedule for the completion of the project:

Design Start: 3/31/2014	Design Complete: 10/22/2014
Construction Start: 1/8/2015	Construction Complete: 4/28/15

5. An estimate of maintenance and operating costs and source of funding to support these costs, , including personnel, covering the first five years of operation:

N/A

6. An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation:

No revenues will be derived from the implementation of this project.

7. An explanation of the means of financing:

Project funding is provided by Centennial Campus Trust Fund.

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION
STATE CONSTRUCTION OFFICE
PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT
BIENNIUM 2013 - 2015

Form OC-25
(Rev. 05-11)

DEPARTMENT and DIVISION: North Carolina State University
PROJECT IDENTIFICATION: Farmers Market Park & Ride
PROJECT CITY or LOCATION: Raleigh, NC
DATE: 02/06/14

PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)
The project will modify the existing south side surface parking lot at the State Farmers Market along Centennial Parkway in Raleigh, North Carolina, proximate to the NCSU Centennial Campus for a weekday park-and-ride facility. The project will reconfigure and add to existing parking areas; approximately 205 parking spaces. The project will also include a bus shelter, lighting, landscaped concrete curb and gutter, pedestrian walkways, chain link perimeter fence and gate, and an access road connection to Lake Wheeler Road.

(Definitions/explanations are provided on pg 2 to assist in completion of this form.)

CURRENT ESTIMATED CONSTRUCTION COST

	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				\$0
B. Site Preparation				
1. Demolition				\$0
2. Site Work	1	lump sum	\$ 694,577.00	\$694,577
C. Construction				
1. Utility Services				\$0
2. Building Construction (new space)	1	lump sum	\$ 20,000.00	\$20,000
3. Building Construction (existing)				\$0
4. Plumbing (new space)				\$0
5. HVAC (new space)				\$0
6. Electrical	1	lump sum	\$ 60,000.00	\$60,000
7. Fire Suppression and Alarm Systems				\$0
8. Telephone, Data, Video				\$0
9. Associated Construction Costs	1	lump sum	\$ 20,000.00	\$20,000
10. Other:				\$0
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0
ESTIMATED CONSTRUCTION COSTS				\$794,577

Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.

DESIGN FEE (parking lot, road, signalization)	17.6 %	(% of Estimated Construction Costs)	\$139,846
PRECONSTRUCTION COSTS	2 %	(% of Estimated Construction Costs)	\$15,892
COMMISSIONING	%	(0.5% simple; 1.0% moderate; 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS	2 %	(1.25% estimated)	\$15,892
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	\$0
CONTINGENCIES	3 %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$23,837
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	\$990,043

Escalation = percent per month multiplied by number of months

(From Est. Date to mid-point of construction) = 21 months 0.04 % per month

General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 mos = .16%; 48-60 mos = .18%

Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22%; 12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos = .33%; 36-47 mos = .36%; 48-60 mos = .39%

ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %)

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase)

APPROVED BY: 
(Governing Board or Agency Head)

TITLE University Architect

DATE 3/6/14

\$8,316

\$998,359

**The University of North Carolina
Request for New or Increase in Capital Improvement Project**

Institution: The University of North Carolina at Chapel Hill Advance Planning Request
New Capital Project*: x

Increase in Authorization from:

Project Title: Kenan Lab – Energy Conservation

Project Cost: \$1,000,000

Source of Funds: F&A Funds

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code Item

For each advance planning project or capital construction project, please provide the following:

1. A detailed project description and justification

Upfit modern building automation controls modify office/lab HVAC equipment to variable air, re-commission the building

2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (Answer for capital construction only and include a completed OC-25 form)

See attached OC-25

3. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):

Cash Flow Estimate for Total Project Cost										
4Q 2014	1Q 2015	2Q 2015	3Q 2015	4Q 2015	1Q 2016	2Q 2016	3Q 2016	4Q 2016	Total	
\$ -	\$ 12,765	\$ 34,040	\$ 34,040	\$ 4,255	\$ 91,490	\$ 365,960	\$ 365,960	\$ 91,490	\$ 1,000,000	

4. An estimated schedule for the completion of the project:

Begin: August 2014

End: June 2016

5. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):

na

6. An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation (Answer for capital construction only):

n/a

7. An explanation of the means of financing:

F&A Funds



North Carolina Department of Administration

Pat McCrory, Governor
Bill Daughtride, Jr., Secretary

State Construction Office
Gregory A. Driver, PE, Director

OC-25: 201360500240
Proposed Capital Improvement Project
Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: UNC Chapel Hill
PROJECT IDENTIFICATION: Kenan Lab Energy Conservation
PROJECT TYPE: Lab Bldg. (Educ.)
CLASSIFICATION: Energy Conservation

PROJECT DESCRIPTION AND JUSTIFICATION: Upfit modern building automation controls, modify office/lab HVAC equipment to variable air, recommission the building.

Compliance with GS 143-135.35 - 143-135.40, Sustainable, Energy Efficient Buildings, is required.

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>COST PER UNIT</u>	<u>TOTAL</u>
10. Other	1.0	Lump Sum	\$851,000	\$851,000
ESTIMATED CONSTRUCTION COST:				\$851,000

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DESIGN FEE	10%	(% of Estimated Construction Costs)	\$85,100
PRECONSTRUCTION COSTS	0%	(% of Estimated Construction Costs [1% for CM@Risk])	\$0
COMMISSIONING FEE	1.5%	(0.5% simple, 1% moderate, 1.5% complex)	\$12,765
SPECIAL INSPECTIONS/MATERIALS	0%	(1.25% Estimated)	\$0
SUSTAINABILITY	0%	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	1%	(% of Estimated Costs - includes programming, feasibility, analysis)	\$8,510
CONTINGENCIES	5%	(% of Estimated Costs [3% New or 5% R&R])	\$42,550
ESTIMATED COSTS	(Estimated Construction Costs + Design Fee + Preconstruction + Commissioning + Special + Sustainability + Advance Planning + Contingencies)		\$999,925

Escalation %= percent per month multiplied by the number of months:

(From Est, Date to mid-point of construction) = 0 months @ 0.00%

ESCALATION COST INCREASE = (Total of Estimated Construction Costs x Escalation %)

\$0

TOTAL ESTIMATED PROJECT COSTS (Estimated Construction Costs + Escalation Cost increase)

\$1,000,000

COMMENTS:

1. [2014-05-17 10:17:39] mkonishi - Submit
2. [2014-05-17 10:17:32] mkonishi - Create

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The University of North Carolina
Request for New or Increase in Capital Improvement Project

Institution:	<u>The University of North Carolina at Chapel Hill</u>	Advance Planning Request	
		New Capital Project*:	<u>x</u>

Increase in Authorization from:

Project Title: Craige Residence Hall –Elevator Modernization

Project Cost: \$683,000

Source of Funds: Housing Trust Fund – Housing Facilities Projects

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code Item

For each advance planning project or capital construction project, please provide the following:

1. A detailed project description and justification

The two elevators in Craige Residence Hall are in need of replacement. Currently, the elevators employ analog mechanical relay systems for which replacement parts are increasingly difficult to find. In addition, modernizing the elevators will bring them up to current life safety standards as required by the NC Department of Labor; provide fire codes and Americans with Disabilities Act (ADA) compliance as well.

2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (Answer for capital construction only and include a completed OC-25 form)

See attached OC-25

3. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):

Cash Flow Estimate for Total Project Cost

2Q 2015	3Q 2015	4Q 2015	TOTAL
\$68,300	\$307,350	\$307,350	\$683,000

4. An estimated schedule for the completion of the project:

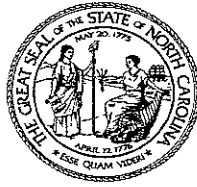
Begin date: October 2014; End date: May 2015

5. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):

n/a

6. An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation (Answer for capital construction only): n/a

7. An explanation of the means of financing: Housing Trust Fund – Housing Facilities Projects (3-16702)



North Carolina Department of Administration

Pat McCrory, Governor
Bill Daughtride, Jr., Secretary

State Construction Office
Gregory A. Driver, PE, Director

OC-25: 201360500238
Proposed Capital Improvement Project
Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: UNC Chapel Hill
PROJECT IDENTIFICATION: Craige Residence Hall Elevator Modernization
PROJECT TYPE: Elevator Renov.
CLASSIFICATION: Deferred/Preventive Maintenance

PROJECT DESCRIPTION AND JUSTIFICATION: The two elevators in Craige Residence Hall are in need of replacement. Currently, the elevators employ analog mechanical relay systems for which replacement parts are increasingly difficult to find. In addition, modernizing the elevators will bring them up to current life safety standards as required by the NC Department of Labor; provide fire codes and Americans with Disabilities Act (ADA) compliance as well.

Compliance with GS 143-135.35 - 143-135.40, Sustainable, Energy Efficient Buildings, is not required.

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>COST PER UNIT</u>	<u>TOTAL</u>
10. Other	2.0	Each	\$302,000	\$604,000
ESTIMATED CONSTRUCTION COST:				\$604,000

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DESIGN FEE	8% (% of Estimated Construction Costs)	\$48,320
PRECONSTRUCTION COSTS	0% (% of Estimated Construction Costs [1% for CM@Risk])	\$0
COMMISSIONING FEE	0% (0.5% simple, 1% moderate, 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS	0% (1.25% Estimated)	\$0
SUSTAINABILITY	0% (3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	0% (% of Estimated Costs - includes programming, feasibility, analysis)	\$0
CONTINGENCIES	5% (% of Estimated Costs [3% New or 5% R&R])	\$30,200
ESTIMATED COSTS	(Estimated Construction Costs + Design Fee + Preconstruction + Commissioning + Special + Sustainability + Advance Planning + Contingencies)	\$682,520

Escalation % = percent per month multiplied by the number of months:

(From Est. Date to mid-point of construction) = 0 months @ 0.00%

ESCALATION COST INCREASE = (Total of Estimated Construction Costs x Escalation %)

\$0

TOTAL ESTIMATED PROJECT COSTS (Estimated Construction Costs + Escalation Cost increase)

\$683,000

COMMENTS:

1. [2014-05-17 09:51:31] mkonishi - Submit
2. [2014-05-17 09:51:23] mkonishi - Create

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North Carolina Department of Administration

Pat McCrory, Governor
Bill Daughtridge, Jr., Secretary

State Construction Office
Gregory A. Driver, PE, Director

OC-25: 201360500239
Proposed Capital Improvement Project
Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: UNC Chapel Hill
PROJECT IDENTIFICATION: Craige Residence Hall Roof Replacement
PROJECT TYPE: Roofing
CLASSIFICATION: Deferred/Preventive Maintenance

PROJECT DESCRIPTION AND JUSTIFICATION: This project will replace the existing built-up flat roof, was first installed in 1991. The current assessment indicates that this roof is past its useful life. The normal expected useful life of this type of roof is 20 years. The roof is showing signs of stress at the transition flashing from horizontal to vertical surfaces.

Compliance with GS 143-135.35 - 143-135.40, Sustainable, Energy Efficient Buildings, is not required.

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>COST PER UNIT</u>	<u>TOTAL</u>
10. Other	1.0	Lump Sum	\$510,000	\$510,000
ESTIMATED CONSTRUCTION COST:				\$510,000

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Raleigh, North Carolina 27601

DESIGN FEE	9% (% of Estimated Construction Costs)	\$45,900
PRECONSTRUCTION COSTS	0% (% of Estimated Construction Costs [1% for CM@Risk])	\$0
COMMISSIONING FEE	0% (0.5% simple, 1% moderate, 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS	0% (1.25% Estimated)	\$0
SUSTAINABILITY	0% (3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	0% (% of Estimated Costs - includes programming, feasibility, analysis)	\$0
CONTINGENCIES	5% (% of Estimated Costs [3% New or 5% R&R])	\$25,500
ESTIMATED COSTS	(Estimated Construction Costs + Design Fee + Preconstruction + Commissioning + Special + Sustainability + Advance Planning + Contingencies)	\$581,400

Escalation % = percent per month multiplied by the number of months:

(From Est. Date to mid-point of construction) = 0 months @ 0.00%

ESCALATION COST INCREASE = (Total of Estimated Construction Costs x Escalation %) \$0

TOTAL ESTIMATED PROJECT COSTS (Estimated Construction Costs + Escalation Cost increase) **\$581,000**

COMMENTS:

1. [2014-05-17 10:00:03] mkonishi - Submit
2. [2014-05-17 09:59:56] mkonishi - Create

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The University of North Carolina
Request for New or Increase in Capital Improvement Project

Institution: UNC Greensboro Advance Planning Request:
 Increase in Authorization from: \$ 191,000 to \$ 1,910,000 New Capital Project*: X
 Project Title: Soccer Stadium & Field Repairs
 Project Cost: \$1,910,000
 Source of Funds: Facilities Fee

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code 41325 Item 302

For each advance planning project or capital construction project, please provide the following:

1. A detailed project description and justification:

This stadium is more than 20 years old. The scope of this project is to revamp the playing surface including drainage and turf; replace all expansion joints, exposed stadium sealants, press box roofing, temporarily remove seats and replace seat anchors and holes, repair rails; and secondary repairs in concessions, bathrooms, HVAC and other areas of the stadium.

2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (Answer for capital construction only and include a completed OC-25 form)

An estimated OC-25 is enclosed.

3. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):

Paid to Date	\$ 53,964	March, 2015	\$817,011
June, 2014	\$38,622	June, 2015	\$767,171
Sept., 2014	\$25,586	Sept, 2015	\$138,280
Dec., 2014	\$69,386		

4. An estimated schedule for the completion of the project:

Estimated time of project completion is August, 2015.

5. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):

None.

6. An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation (Answer for capital construction only):

None.

7. An explanation of the means of financing: Facilities Fees budgeted for this project.

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION
STATE CONSTRUCTION OFFICE
PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT
BIENNium 2013 - 2015

Form OC-25
(Rev 05/12)

DEPARTMENT and DIVISION: UNC Greensboro DATE: 05/12/14
PROJECT IDENTIFICATION: Soccer Stadium & Field Repairs
PROJECT CITY or LOCATION: Greensboro, NC

PROJECT DESCRIPTION & JUSTIFICATION: This stadium is more than 20 years old and the scope of this project is to revamp the playing surfaces, including the drainage and turf; replace all expansion joints, exposed stadium sealants, press box roofing, temporarily remove seats and replace seat anchors and holes, repair rails; and secondary repairs in concessions, bathrooms, HVAC and other areas of the stadium.

(Definitions/explanations are provided on pg 2 to assist in completion of this form.)

CURRENT ESTIMATED CONSTRUCTION COST

	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				\$0
B. Site Preparation				
1. Demolition				\$0
2. Site Work (Field Grading, Drainage & Turf, Paving)	1	LS	\$ 400,000.00	\$400,000
C. Construction				
1. Utility Services				\$0
2. Building Construction (Paint, Sealants, EJT's, Waterproofing)	1	LS	\$ 350,000.00	\$350,000
3. Building Construction (Seating Repairs and Replacement)	1	LS	\$ 300,000.00	\$300,000
4. Building Construction (Guardrails & Fencing)	1	LS	\$ 75,000.00	\$75,000
5. Building Construction (Structural & Concrete Repairs)	1	LS	\$ 225,000.00	\$225,000
6. Building Construction (Roofing & Flashing Repairs)	1	LS	\$ 50,000.00	\$50,000
7. Plumbing				\$0
8. HVAC (Concessions/ Bathrooms)	1	LS	\$ 150,000.00	\$150,000
9. Electrical (Upgrade Lighting & Wiring)	1	LS	\$ 75,000.00	\$75,000
10. Fire Suppression and Alarm Systems				\$0
11. Telephone, Data, Video				\$0
12. Associated Construction Costs				\$0
13. Other: <u>Cleaning</u>	1	LS	\$ 36,000.00	\$36,000
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0
				\$1,661,000

ESTIMATED CONSTRUCTION COSTS

Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.

CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$83,050
DESIGN FEE	10 %	(% of Estimated Construction Costs)	\$166,100
PRECONSTRUCTION COSTS		(% of Estimated Construction Costs [1% for CM@Risk])	\$0
COMMISSIONING		(0.5% simple; 1.0% moderate; 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS TESTING/GEOTECHNICAL			\$0
SUSTAINABILITY			\$0
ADVANCE PLANNING			\$0
ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee)			\$1,910,150

Escalation = percent per month multiplied by number of months

(From Est. Date to mid-point of construction) =

months % per month

General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 mos = .16%; 48-60 mos = .18%

Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22%; 12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos = .33%; 36-47 mos = .36%; 48-60 mos = .36%

ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %)

PARKING REPLACEMENT COST

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase)

APPROVED BY: Made Taff
(Governing Board or Agency Head)

TITLE Vice Chancellor for Business Affairs

DATE 5-12-14

The University of North Carolina
Request for New or Increase in Capital Improvement Project

Institution: The University of North Carolina at Chapel Hill Advance Planning Request
 New Capital Project*x

Increase in Authorization from:

Project Title: UNC General Administration – Chiller Replacements

Project Cost: \$751,000

Source of Funds: Energy Services Trust Fund

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code Item

For each advance planning project or capital construction project, please provide the following:

1. A detailed project description and justification

The existing system for Meredith Riggs Spangler Building (GA East) is nearing end of life and the system for C.D. Spangler Jr. Building (GA West) is very inefficient and requires extensive maintenance due to its physical environment and location. Two air cooled chillers will be installed in a location that will feed both buildings simultaneously. Installation of new chillers will provide increased reliability, efficiency and redundancy.

An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (Answer for capital construction only and include a completed OC-25 form)

See attached OC-25

2. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):

Cash Flow Estimate for Total Project Cost					
1Q 2015	2Q 2015	3Q 2015	4Q 2015	1Q2016	Total
\$150,200	\$187,750	\$225,300	\$112,650	\$75,100	\$751,000

3. An estimated schedule for the completion of the project:

Begin date: August 2014

Completion date: August 2015

4. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):

n/a

5. An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation (Answer for capital construction only):

n/a

6. An explanation of the means of financing: Energy Services Receipts Trust



North Carolina Department of Administration

Pat McCrory, Governor
Bill Daughtridge, Jr., Secretary

State Construction Office
Gregory A. Driver, PE, Director

OC-25: 201360500237
Proposed Capital Improvement Project
Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: UNC Chapel Hill
PROJECT IDENTIFICATION: UNC General Administration Chiller Replacement
PROJECT TYPE: Chiller Plants
CLASSIFICATION: Deferred/Preventive Maintenance

PROJECT DESCRIPTION AND JUSTIFICATION: The existing chiller providing chilled water for Meredith Riggs Spangler Building (GA East) is nearing end of life and the chilled water system for C.D. Spangler Jr. Building (GA West) is very inefficient and requires extensive maintenance due to its physical environment and location. Installation of new chillers will supply chilled water to both buildings and provide increased reliability, efficiency and redundancy. The project will also remove electric load from the buildings.

Compliance with GS 143-135.35 - 143-135.40, Sustainable, Energy Efficient Buildings, is not required.

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>COST PER UNIT</u>	<u>TOTAL</u>
1. Utility Services	1.0	Lump Sum	\$650,000	\$650,000
ESTIMATED CONSTRUCTION COST:				\$650,000

Mailing Address:
1307 Mail Service Center
Raleigh, N.C. 27699-1307

Telephone (919) 807-4100
Fax (919) 807-4110
State Courier #56-02-01
An Equal Opportunity/Affirmative Action Employer

Location:
301 N. Wilmington St., Suite 450
Raleigh, North Carolina 27601

DESIGN FEE	10%	{% of Estimated Construction Costs}	\$65,000
PRECONSTRUCTION COSTS	0%	{% of Estimated Construction Costs [1% for CM@Risk]}	\$0
COMMISSIONING FEE	0.5%	{0.5% simple, 1% moderate, 1.5% complex}	\$3,250
SPECIAL INSPECTIONS/MATERIALS	0%	{1.25% Estimated}	\$0
SUSTAINABILITY	0%	{3% LEED Gold, 2% LEED Silver}	\$0
ADVANCE PLANNING	0%	{% of Estimated Costs - includes programming, feasibility, analysis}	\$0
CONTINGENCIES	5%	{% of Estimated Costs [3% New or 5% R&R]}	\$32,500
ESTIMATED COSTS	(Estimated Construction Costs + Design Fee + Preconstruction + Commissioning + Special + Sustainability + Advance Planning + Contingencies)		\$750,750

Escalation %= percent per month multiplied by the number of months:

(From Est. Date to mid-point of construction) = 0 months @ 0.00%

ESCALATION COST INCREASE = (Total of Estimated Construction Costs x Escalation %) **\$0**

TOTAL ESTIMATED PROJECT COSTS (Estimated Construction Costs + Escalation Cost increase) **\$751,000**

COMMENTS:

1. [2014-05-17 09:29:29] mkonishi - Submit
2. [2014-05-17 09:29:20] mkonishi - Create

Mailing Address:

1307 Mail Service Center
Raleigh, N.C. 27699-1307

Telephone (919) 807-4100

Fax (919) 807-4110

State Courier #56-02-01

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Location:

301 N. Wilmington St., Suite 450
Raleigh, North Carolina 27601

The University of North Carolina
Request for New or Increase in Capital Improvement Project

Institution: East Carolina University Advance Planning Request: X(revised)
New Capital Project*: _____

Increase in Authorization from: \$ _____ to \$ _____

Project Title: Student Services Building

Project Cost: Advanced Planning Request

1. Source of Funds: ECU Funding to include 2013-2014 Carry Forward Funds (\$2,838,258) as well as other ECU Funds (to be identified) plus ECU Foundation Funding with Lease Back Option.

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code _____ Item _____

For each advance planning project or capital construction project, please provide the following:

A detailed project description and justification:

This facility will create a centralized "one stop shop" location for students and parents to access Financial Aid, Registrar, Academic Advising and Support Center, Career Center, Admissions and other student services. Consolidation of these units into one location will improve access to support services for students and parents, reduce building space requirements and ultimately reduce operating costs for the University.

It is planned for approximately 50,000 gross square feet (GSF) with 20,000 GSF required for the student support services programs and 30,000 GSF owned by the ECU Real Estate Foundation who will lease space to the University and other independent third parties.

The project was identified in ECU's Master Plan as Building Initiative #2 in the "Downtown District" Neighborhood and will be located at the intersection of 4th and Reade Streets near our future Alumni Center. This location will be easily accessible from campus and include ample surface parking.

It was also identified in our 2013-2019 Six Year Non-General Fund Capital Improvements Plan.

2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (Answer for capital construction only and include a completed OC-25 form)
Advanced Planning Request (a draft OC-25 is included herein)
3. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only): **To be provided upon completion of Advanced Planning.**
4. An estimated schedule for the completion of the project: **To be determined upon completion of Advanced Planning.**
5. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only). **ECU will not request funds for Maintenance and Operation of this facility.**
6. An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation (Answer for capital construction only): **The ECU Real Estate Foundation's 30,000 square feet of lease back space will provide receipts support as well as other Foundation funding as required.**
7. An explanation of the means of financing: **ECU Carry Forward Funds (\$2,838,258) as well as other ECU Funding (to be identified) plus ECU Foundation with Lease Back Option**

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION
STATE CONSTRUCTION OFFICE
PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT
BIENNium 2013 - 2015

Form OC-25
(Rev 05/12)

DEPARTMENT and DIVISION: East Carolina University DATE: 04/28/14
PROJECT IDENTIFICATION: Student Services Facility
PROJECT CITY or LOCATION: Greenville, NC

PROJECT DESCRIPTION & JUSTIFICATION: This facility will create a centralized "one stop shop" location for students and parents to access Financial Aid, Registrar, Academic Advising and Support Center, Career Center, Admissions and other student services. The facility will be located at the intersection of 4th and Reade Streets near the proposed ECU Alumni Center and will be adjacent to convenient parking. Consolidation of these services into one location will result in reduced building space requirements and lower operating costs for the University.

(Definitions/explanations are provided on pg 2 to assist in completion of this form.)

CURRENT ESTIMATED CONSTRUCTION COST

- A. Land Requirement
- B. Site Preparation
1. Demolition
2. Site Work
- C. Construction
1. Utility Services
2. Building Construction (new space)
3. Building Construction (existing)
4. Plumbing (new space)
5. HVAC (new space)
6. Electrical (Includes TV & Radio Studio)
7. Fire Suppression and Alarm Systems
8. Telephone, Data, Video
9. Associated Construction Costs
10. Other: AV Costs(5 conf rms, 1 training rm, digital signage)
- D. Equipment
1. Fixed
2. Moveable

QTY	UNIT	COST PER UNIT	TOTAL
			\$0
			\$0
			\$0
			\$0
50,000	SF	\$ 225.00	\$11,250,000
			\$0
			\$0
			\$0
			\$0
50,000	SF	\$ 6.00	\$300,000
			\$0
1	Lot	\$ 275,000.00	\$275,000
50000	SF	\$ 9.00	\$450,000
			\$12,275,000

ESTIMATED CONSTRUCTION COSTS

Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.

DESIGN FEE	9.00% %	(% of Estimated Construction Costs)	\$1,077,750
PRECONSTRUCTION COSTS	1.00% %	(% of Estimated Construction Costs [1% for CM@Risk])	\$122,750
COMMISSIONING	0.50% %	(0.5% simple; 1.0% moderate; 1.5% complex)	\$61,375
SPECIAL INSPECTIONS/MATERIALS	1.25% %	(1.25% estimated)	\$153,438
SUSTAINABILITY	2.00% %	(3% LEED Gold, 2% LEED Silver)	\$245,500
ADVANCE PLANNING	0.50% %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	\$61,375
CONTINGENCIES	3.00% %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$368,250
ESTIMATED COSTS	(% of Estimated Construction Costs + Contingencies + Design Fee)		\$14,365,438

Escalation = percent per month multiplied by number of months

(From Est. Date to mid-point of construction) = 18 months 0.04 % per month

General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 mos = .16%; 48-60 mos = .18%

Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22%; 12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos = .33%; 36-47 mos = .36%; 48-60 mos = .38%

ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %)

\$103,431

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase)

\$14,500,000

rounded

APPROVED BY: John G. Fields, PE

TITLE: Director, Facility Engineering & Arch Services

DATE: 04/28/14

The University of North Carolina
Request for New or Increase in Capital Improvement Project

Institution: North Carolina State University Advance Planning Request: X
New Capital Project*:
Increase in Authorization from: \$ to \$
Project Title: Greek Village Phase 2 Infrastructure
Project Cost: AP Request for \$200,000 (Total project cost \$6,300,000)
Source of Funds: Campus Life Receipts

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code Item

For each advance planning project or capital construction project, please provide the following:

1. A detailed project description and justification:

Greek Village has completed Phase 1 of the five phases of the Greek Master Plan adopted to meet the growth needs of the Greek community at NCSU. This Phase 2 Infrastructure project will expand the roads, utilities, parking and building pads to prepare for construction of two Chapter houses and multi-residential buildings A, B, and C on the Master Plan.

2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (Answer for capital construction only and include a completed OC-25 form)
3. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):
4. An estimated schedule for the completion of the project:
- | | |
|------------------------------|---------------------------------|
| Design Start: July 2014 | Design Complete: March 2015 |
| Construction Start: May 2015 | Construction Finish: April 2016 |
5. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):
6. An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation (Answer for capital construction only):
7. An explanation of the means of financing:
- Source of funding: Campus Life Receipts

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION
STATE CONSTRUCTION OFFICE
PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT
BIENNIUM 2013 - 2015

Form OC-25
(Rev 05/12)

DEPARTMENT and DIVISION: NC State University DATE: 05/15/14
PROJECT IDENTIFICATION: Greek Village Phase II, Infrastructure
PROJECT CITY or LOCATION: South Precinct, Raleigh

PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)
Greek Village has completed Phase 1 of the five phases of the Greek Master Plan adopted to meet the growth needs of the Greek community at NCSU. This Phase 2 Infrastructure project will expand the roads, utilities, parking and building pads to prepare for construction of two Chapter houses and multi-residential buildings A, B, and C on the Master Plan.

(Definitions/explanations are provided on pg 2 to assist in completion of this form.)

CURRENT ESTIMATED CONSTRUCTION COST

	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				\$0
B. Site Preparation				
1. Demolition				\$0
2. Site Work	1	lump sum	\$ 460,000.00	\$460,000
C. Construction				
1. Utility Services	1		\$ 4,346,497.00	\$4,346,497
2. Building Construction (new space)				\$0
3. Building Construction (existing)	1	lump sum	\$ 125,000.00	\$125,000
4. Plumbing (new)				\$0
5. HVAC (new)				\$0
6. Electrical (new)	1	lump sum	\$ 530,000.00	\$530,000
7. Fire Suppression and Alarm Systems				\$0
8. Telephone, Data, Video				\$0
9. Associated Construction Costs	1	lump sum	\$ 130,000.00	\$130,000
10. Other:				\$0
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0
ESTIMATED CONSTRUCTION COSTS				\$5,591,497

Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.

DESIGN FEE	2.5 %	(% of Estimated Construction Costs)	\$139,787
PRECONSTRUCTION COSTS	0.7 %	(% of Estimated Construction Costs [1% for CM@Risk])	\$39,140
COMMISSIONING	%	(0.5% simple; 1.0% moderate; 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS	%	(1.25% estimated)	\$0
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	\$200,000
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$279,575
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	\$6,250,000

Escalation = percent per month multiplied by number of months

(From Est. Date to mid-point of construction) =

20 months 0.04 % per month

General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 mos = .16%; 48-60 mos = .18%

Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22%; 12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos = .33%; 36-47 mos = .36%; 48-60 mos = .38%

ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %)

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase)

APPROVED BY: [Signature]
(Governing Board or Agency Head)

TITLE University Architect

DATE 5.16.14

\$50,000

\$6,300,000

The University of North Carolina
Request for New or Increase in Capital Improvement Project

Institution: North Carolina State University Advance Planning Request: X
New Capital Project*:

Increase in Authorization from: \$ to \$

Project Title: College of Veterinary Medicine Anatomy Lab Renovation

Project Cost: \$175,000 AP (\$1,750,000)

Source of Funds: College of Veterinary Medicine Trust Funds

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code Item

For each advance planning project or capital construction project, please provide the following:

1. A detailed project description and justification:

This project will expand the Anatomy Lab within the existing building footprint to accommodate student enrollment growth. Decommissioned lab and office space will be repurposed to accommodate approximately 100 students. Ventilation and safety features in the Anatomy Lab will be improved and associated support, cooler, and office space for anatomy instruction will be added. Adjacent units impacted by the expansion will also be relocated and reconfigured. Change of space use may require an increase in the number of toilet and lavatory fixtures to comply with building codes.

2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (Answer for capital construction only and include a completed OC-25 form)

3. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):

4. An estimated schedule for the completion of the project:

Design Start: 9/15/2014

Design Complete: 2/9/2015

Construction Start: 3/16/2015

Construction Complete: 8/10/2015

5. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):

6. An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation (Answer for capital construction only):

7. An explanation of the means of financing:

College of Veterinary Medicine Trust funds will fund both design and construction of this project.

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION
STATE CONSTRUCTION OFFICE
PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT
BIENNIUM 2013 - 2015

Form OC-25
(Rev 05/12)

DEPARTMENT and DIVISION: NC State University DATE: 05/14/14
PROJECT IDENTIFICATION: College of Veterinary Medicine Anatomy Lab Expansion
PROJECT CITY or LOCATION: West Precinct, Raleigh

PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)
Due to student enrollment growth, the Anatomy Lab must expand within the existing building footprint to accommodate 100 students by repurposing adjacent, decommissioned lab and office space. This project will improve ventilation and safety features in the Anatomy Lab, and add associated cooler, support and office space for anatomy instruction. It will also relocate and reconfigure other adjacent units impacted by the expansion.

(Definitions/explanations are provided on pg 2 to assist in completion of this form.)

CURRENT ESTIMATED CONSTRUCTION COST

	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				\$0
B. Site Preparation				
1. Demolition				\$0
2. Site Work				\$0
C. Construction				
1. Utility Services				\$0
2. Building Construction (new space)				\$0
3. Building Construction (existing)	5360	sf	\$ 54.60	\$292,656
4. Plumbing (existing)	5360	sf	\$ 5.60	\$30,016
5. HVAC (existing)	5360	sf	\$ 56.00	\$300,160
6. Electrical (existing)	5360	sf	\$ 24.25	\$129,980
7. Fire Suppression and Alarm Systems	5360	sf	\$ 5.00	\$26,800
8. Telephone, Data, Video				\$0
9. Associated Construction Costs	1	lump sum	\$ 133,147.00	\$133,147
10. Other:				\$0
D. Equipment				
1. Fixed	1	lump sum	\$ 325,000.00	\$325,000
2. Moveable	1	lump sum	\$ 120,000.00	\$120,000
ESTIMATED CONSTRUCTION COSTS				\$1,357,759

Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.

DESIGN FEE	10 %	(% of Estimated Construction Costs)	\$135,776
PRECONSTRUCTION COSTS	1 %	(% of Estimated Construction Costs [1% for CM@Risk])	\$13,578
COMMISSIONING		(0.5% simple; 1.0% moderate; 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS		(1.25% estimated)	\$0
SUSTAINABILITY		(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING		Includes programming, feasibility, analysis (% of Estimated Construction Costs)	\$175,000
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$67,888
ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee)			\$1,750,000

Escalation = percent per month multiplied by number of months

(From Est. Date to mid-point of construction) = 12 months 0 % per month

General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 mos = .16%; 48-60 mos = .18%

Health Bldgs: 0-5 mos = .16%; 6-11 mos = .22%; 12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos = .33%; 36-47 mos = .36%; 48-60 mos = .38%

ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %)

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase)

APPROVED BY: [Signature]

(Governing Board or Agency Head)

TITLE University Architect

DATE 5.15.14

The University of North Carolina
Request for New or Increase in Capital Improvement Project

Institution: University of North Carolina at Charlotte Advance Planning Request: X
New Capital Project*:

Increase in Authorization from: \$ to \$

Project Title: Hawthorn Hall Renovation

Project Cost: \$9,750,000

Source of Funds: Housing and Residence Life Receipts

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code Item

For each advance planning project or capital construction project, please provide the following:

1. A detailed project description and justification:

Hawthorn is a 232 bed residence facility built in 1983. Renovations to update the mechanical, electrical, telecom and plumbing systems are required. Interiors will be renovated to modern student housing standards. The project includes window and roof replacements along with ADA modifications to assist students, faculty, staff and visitors. Modern, on-campus student housing supports student retention, success and graduation.

An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (Answer for capital construction only and include a completed OC-25 form)

2. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):

3. An estimated schedule for the completion of the project:

Advanced Planning will be completed within nine months of authorization.

4. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):

5. An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation (Answer for capital construction only):

6. An explanation of the means of financing:

Advanced planning will be paid from Housing and Residence Life fund balance and reimbursed from bond debt of \$9.75M when the project goes into construction. Annual debt payment is estimated at \$590k. Debt Coverage Ratio 1.2.



North Carolina Department of Administration

Beverly Eaves Perdue, Governor
Moses Carey, Jr., Secretary

State Construction Office
Gregory A. Driver, PE, Director

OC-25: 201160500518
Proposed Capital Improvement Project
Biennium: 2009-2011

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: UNC Charlotte
PROJECT IDENTIFICATION: Hawthorn Residence Hall Renovation
PROJECT TYPE: General Bldg.
CLASSIFICATION: Major Renovations

PROJECT DESCRIPTION AND JUSTIFICATION: Hawthorn is a 232 bed residence facility built in 1983. Renovations to update the mechanical, electrical, ITS and plumbing systems are needed, as well as updated interiors. Window and roof replacements are also needed along with ADA modifications to assist students, faculty, staff and visitors within and around the building.

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>COST PER UNIT</u>	<u>TOTAL</u>
Project Support	1.0	Lump Sum	\$438,600	\$438,600
Building Demolition	1.0	Lump Sum	\$457,326	\$457,326
Building Construction	65764.0	Square Feet	\$90	\$5,918,760
Movable Equipment	1.0	Lump Sum	\$750,000	\$750,000
ESTIMATED CONSTRUCTION COST:				\$7,564,686

Mailing Address:
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State Courier #56-02-01
An Equal Opportunity/Affirmative Action Employer

Location:
301 N. Wilmington St., Suite 450
Raleigh, North Carolina 27601

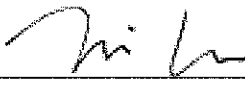
CONTINGENCIES	5% (% of Estimated Construction Costs [3% New or 5% R&R])	\$378,234
DESIGN FEE	10% (% of Estimated Construction Costs + Contingencies)	\$794,292
COMMISSIONING FEE	1% (0.5% simple, 1% moderate, 1.5% complex)	\$79,429
ADVANCE PLANNING	1% (includes programming, feasibility, analysis)	\$79,429
FIXED OWNER COSTS		\$0
ESTIMATED COSTS	(Estimated Construction Costs + Contingencies + Design Fee)	\$8,896,070

Escalation % = 0.67 per month multiplied by the number of months:

(From Est, Date to mid-point of construction) = 60 months @ 0.16%

ESCALATION COST INCREASE = (Total of Estimated Construction Costs x Escalation %) **\$854,022**

TOTAL ESTIMATED PROJECT COSTS (Estimated Construction Costs + Escalation Cost increase) **\$9,750,000**

DATE RECEIVED: 2010-11-05	APPROVED BY: mhughes	DATE APPROVED: 2010-12-07
CERTIFICATION The State Construction Office in accordance with GS 143-341(3) certifies the feasibility of this Statement of Need pursuant to GS 143-6.		
Signature:  Date: 2010-12-07		

COMMENTS:

1. Approve
2. Submit
3. Save
4. Create

Mailing Address:

1307 Mail Service Center
Raleigh, N.C. 27699-1307

Telephone (919) 807-4100

Fax (919) 807-4110

State Courier #56-02-01

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Location:

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Raleigh, North Carolina 27601

<p style="text-align: center;">The University of North Carolina Request for New or Increase in Capital Improvement Project</p>
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Institution: University of North Carolina at Charlotte Advance Planning Request: X
New Capital Project*:

Increase in Authorization from: \$ to \$

Project Title: Moore Hall Renovation

Project Cost: \$20,687,550

Source of Funds: Housing and Residence Life Receipts

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code Item

For each advance planning project or capital construction project, please provide the following:

1. A detailed project description and justification:

Moore Hall is a 500 bed residence facility built in 1969. Renovations to update the mechanical, electrical, telecom and plumbing systems are required. Interiors will be renovated to modern student housing standards. The project includes window and roof replacements along with ADA modifications to assist students, faculty, staff and visitors. Modern, on-campus student housing supports student retention, success and graduation.

An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (Answer for capital construction only and include a completed OC-25 form)

2. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):

3. An estimated schedule for the completion of the project:

Advanced Planning will be completed within nine months of authorization.

4. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):

5. An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation (Answer for capital construction only):

6. An explanation of the means of financing:

Advanced planning will be paid from Housing and Residence Life fund balance and reimbursed from bond debt of \$21M when the project goes into construction. Annual debt payment is estimated at \$1.2M. Debt Coverage Ratio 1.2.



North Carolina Department of Administration

Pat McCrory, Governor
Bill Daughtride, Jr., Secretary

State Construction Office
Gregory A. Driver, PE, Director

OC-25: 201360500528
Proposed Capital Improvement Project
Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: UNC Charlotte
PROJECT IDENTIFICATION: Moore Residence Hall Renovation Revised
PROJECT TYPE: Dormitories
CLASSIFICATION: Major Renovations

PROJECT DESCRIPTION AND JUSTIFICATION: Moore Hall is a 500 bed residence facility built in 1969. Renovations to update the mechanical, electrical, ITS and plumbing systems are needed, as well as updated interiors. Window and roof replacements are also needed along with ADA modifications to assist students, faculty, staff and visitors within and around the building.

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>COST PER UNIT</u>	<u>TOTAL</u>
Project Support	1.0	Lump Sum	\$580,000	\$580,000
Building Demolition	1.0	Lump Sum	\$529,295	\$529,295
Building Construction	105859.0	Square Feet	\$79	\$8,362,861
Building Plumbing	105859.0	Square Feet	\$12	\$1,270,308
Building HVAC	105859.0	Square Feet	\$21	\$2,223,039
Building Electrical	105859.0	Square Feet	\$19	\$2,011,321
Elevator	1.0	Lump Sum	\$0	\$0
Roofing	1.0	Lump Sum	\$701,689	\$701,689
Telecommunications	1.0	Lump Sum	\$244,000	\$244,000
Movable Equipment	1.0	Lump Sum	\$126,938	\$126,938
ESTIMATED CONSTRUCTION COST:				\$16,049,451

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CONTINGENCIES	5%	(% of Estimated Construction Costs [3% New or 5% R&R])	\$802,472
DESIGN FEE	10%	(% of Estimated Construction Costs + Contingencies)	\$1,685,192
COMMISSIONING FEE	1%	(0.5% simple, 1% moderate, 1.5% complex)	\$168,519
ADVANCE PLANNING	1%	(includes programming, feasibility, analysis)	\$168,519
FIXED OWNER COSTS			\$0
ESTIMATED COSTS	(Estimated Construction Costs + Contingencies + Design Fee)		\$18,874,152

Escalation %= percent per month multiplied by the number of months:

(From Est. Date to mid-point of construction) = 60 months @ 0.16%

ESCALATION COST INCREASE = (Total of Estimated Construction Costs x Escalation %) **\$1,811,918**

TOTAL ESTIMATED PROJECT COSTS (Estimated Construction Costs + Escalation Cost increase) **\$20,686,000**

COMMENTS:

1. [2014-05-20 12:03:09] Laurie Mande - Save
2. [2014-05-20 10:45:54] Laurie Mande - Copied from: Moore Residence Hall Renovation

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Location:

301 N. Wilmington St., Suite 450
Raleigh, North Carolina 27601

The University of North Carolina
Request for New or Increase in Capital Improvement Project

Institution: The University of North Carolina at Greensboro Advance Planning Request: X
New Capital Project*:

Increase in Authorization from: \$ to \$

Project Title: Renovations to 1510 Walker Avenue

Project Cost: \$6,670,000. Requesting \$500,000 for advance planning

Source of Funds: University receipts

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code Item

For each advance planning project or capital construction project, please provide the following:

1. A detailed project description and justification:

Renovation of 89,680 gsf building to accommodate space for the following academic departments.
Dance Department, UNCG's Middle College and the School of Health and Human Sciences.

2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs
(Answer for capital construction only and include a completed OC-25 form)

3. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):

4. An estimated schedule for the completion of the project:

Designer selection: September 2014. Expected bid date: March 2016. Expected construction completion: June 2017

5. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):

We intend to request state appropriations in the amount of approximately \$725,000/year for operations and maintenance through the non appropriated capital improvement project authority process during fiscal year 14-15.

6. An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation
(Answer for capital construction only):

7. An explanation of the means of financing: University receipts

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION
STATE CONSTRUCTION OFFICE
PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT
BIENNIUM 2013 - 2015

Form OC-25
(Rev 05/12)

DEPARTMENT and DIVISION: UNC Greensboro DATE: 05/20/14
PROJECT IDENTIFICATION: 1510 Walker Ave. Renovations
PROJECT CITY or LOCATION: Greensboro, NC

PROJECT DESCRIPTION & JUSTIFICATION: Relocate Dance from HHP and Middle College (MC) from McIver/ HHP. The 3-Court Gymnasium remains open in the SRC for use by HHS academic departments and MC. Convert the fitness gym to two levels of classrooms for MC

(Definitions/explanations are provided on pg 2 to assist in completion of this form.)

CURRENT ESTIMATED CONSTRUCTION COST

	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				\$0
B. Site Preparation				
1. Demolition (Included in Building SF Cost)				\$0
2. Site Work				\$0
C. Construction				
1. Utility Services				\$0
2. Bldg. Construction (Convert Fitness Gym to 2-Story Space)	5400	SF	\$ 150.00	\$810,000
3. Bldg. Construction (Mid-level Renov. for Dance Class./Studios)	14200	SF	\$ 125.00	\$1,775,000
4. Bldg. Construction (Minor Renovation at Interior Spaces)	8420	SF	\$ 75.00	\$631,500
5. Bldg. Construction (3-Court Gym Paint & Lighting)	24350	SF	\$ 25.00	\$608,750
6. Plumbing (new space)				\$0
7. HVAC (AHU Replacement)	1	LS	\$ 500,000.00	\$500,000
8. Electrical (Included in Building SF Costs)				\$0
9. Fire Suppression and Alarm Systems & Mass Notification	91330	GSF	\$ 10.00	\$913,300
10. Telephone, Data Network, Video	1	LS	\$ 150,000.00	\$150,000
11. Associated Construction Costs				\$0
12. Other: <u>Elevator & Stair Addition</u>	1	LS	\$ 200,000.00	\$200,000
D. Equipment				
1. Fixed (NOT INCLUDED)				\$0
2. Moveable Equip. & Furniture (NOT INCLUDED)				\$0
ESTIMATED CONSTRUCTION COSTS				\$5,588,550

Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.

CONTINGENCIES	10 %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$558,855
DESIGN FEE	10 %	(% of Estimated Construction Costs)	\$614,741
PRECONSTRUCTION COSTS		(% of Estimated Construction Costs [1% for CM@Risk])	\$0
COMMISSIONING		(0.5% simple; 1.0% moderate; 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS			\$0
TESTING/GEOTECHNICAL	%	(1.25% estimated)	\$0
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver) includes programming, feasibility, analysis	\$0
ADVANCE PLANNING	%	(% of Estimated Construction Costs)	\$0
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	\$6,762,146

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = _____ months _____ % per month
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 mos = .16%; 48-60 mos = .18%

Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22%; 12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos = .33%; 36-47 mos = .36%; 48-60 mos = .38%

ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %)
PARKING REPLACEMENT COST

	\$0
	\$0
TOTAL ESTIMATED PROJECT COSTS	\$6,762,146

(Estimated Costs + Escalation Cost Increase)

APPROVED BY: Made Tap
(Governing Board or Agency Head)

TITLE Vice Chancellor for Business Affairs DATE 5-20-14