

Authorization of New Capital Improvement Projects – East Carolina University, North Carolina State University, The University of North Carolina at Chapel Hill, The University of North Carolina at Charlotte, and The University of North Carolina at Pembroke

East Carolina University, North Carolina State University, the University of North Carolina at Chapel Hill, the University of North Carolina at Charlotte, and the University of North Carolina at Pembroke have requested authority to establish the following new capital improvement projects.

ECU – Aycock Basement and Exterior Accessibility Improvements: This project will renovate approximately 6,000 square feet of unused basement area to create new student activity space. The project will also provide significant site work to improve accessibility requirements of the Americans with Disabilities Act, improve pedestrian safety with additional exterior lighting, and create pleasant gathering space for students. The project, estimated to cost \$1,705,000 and funded from the housing receipts, will be completed by Fall Semester 2015.

ECU – Transit Facility Site Improvements: This project will create a new bus wash facility to clean the recently acquired ECU buses used to transport athletic teams. An existing building at the ECU Transit Facility will be enlarged and converted to a wash bay and sewage disposal area for the buses. The building will be extended about 25 feet and will include two 16-foot x 14-foot roll-up doors for access. Equipment will be installed to treat the wash water. The existing floor drain system will be modified to handle collection of wash-down water. Necessary heating, electrical service, and lighting will be provided. Site improvements will include paving the motor coach parking area, drive isles, and the NCDOT Commercial Driver's License testing area. The project, estimated to cost \$450,000 and funded from a temporary loan from housing receipts (to be repaid to Housing from transit fees), will be completed by May 2015.

NCSU – Research III HVAC Renovations: This project will provide HVAC equipment repairs and upgrades for the entire 25,325 square-foot Research III Building. A new building controls system will be tied into the monitoring system operated by the Building Maintenance and Operations Division of the University. The entire building will be commissioned upon project completion to ensure operational efficiency. The project, estimated to cost \$500,000 and funded from facilities and administrative receipts, will be completed by August 2015. No additional maintenance and operating funds will be requested as a result of this project completion.

NCSU – Lee Hall Stair Enclosure Upgrade: This project will upgrade the life safety systems in 24,000 square feet of corridors and stairs in Lee Residence Hall. The upgrade is required to comply with applicable sections of the North Carolina Building Code entitled "Special Safety to Life Requirements Applicable to Existing High Rise Buildings." Lee Residence Hall is a nine-story, 187,000 square-foot building that was constructed in 1964. The project, estimated to cost \$500,000 and funded from housing receipts, will be completed by August 2015.

NCSU – Millstone 4-H History and Learning Center: The North Carolina 4-H History and Learning Center is a new 4,500 square-foot building constructed at Millstone 4-H Camp in Richmond County, North Carolina. This multi-purpose one-story building will provide much needed space for summer 4-H camp programs and year-round programs for school groups in thirty-four surrounding counties as well as space for use by the North Carolina Cooperative Extension Service and the North Carolina Wildlife Resources Commission. The project, estimated to cost \$1,500,000 will be funded as follows: \$500,000 in cash from the North Carolina Agricultural Foundation, Inc., a \$250,000 COLE Foundation Grant, and a \$750,000 SECU Foundation Grant. Construction will be completed in January 2015. Maintenance and operating costs for this facility will be funded from non-general fund sources.

UNC-Chapel Hill – Biomedical Engineering Renovations in Phillips Hall: This project will renovate 3,200 square feet of space in Phillips Hall to provide two, reconfigurable classrooms, a rapid prototyping space, and two problem-based learning rooms for the UNC/NCSU Department of Biomedical Engineering. The goals of the space are (a) to create a multi-functional learning space for students, (b) to foster the highest possible standards in education and learning techniques by creating a multi-sensory, interactive, highly-featured classrooms and collaborative learning spaces, and (c) to maintain a fully functional rapid prototyping facility for use by students and departmental design instructors in an effort to create a competitive model engineering student for industry and academia upon graduation. The project estimated to cost \$1,699,000 and funded from facilities and administrative receipts, will be completed by December 2015. No additional maintenance and operating funds will be requested as a result of this project completion.

UNC-Chapel Hill – Murray Hall Laboratory Up-Fits, Rooms 1101 and 3401: This project will up-fit two existing shell spaces in Murray Hall (Room 1101: 10,500 square feet; Room 3401: 1,420 square feet) to provide faculty research laboratories, a “Creatorspace” facility, and additional meeting rooms and office space. Laboratories in both rooms will be appropriate for chemical and/or materials science use. The “Creatorspace” in Room 1101 will provide a place where students develop electronic and/or mechanical prototypes, film, wood, plastic and fabric models working with equipment such as 3D printers, robotics, electronics, and wood and metal shop equipment. The project estimated to cost \$3,923,000 and funded from facilities and administrative receipts, will be completed by November 2016. No additional maintenance and operating funds will be requested as a result of this project completion.

UNC-Chapel Hill – Improvements to Athletic Facilities: This project will provide renovations to improve locker, training, and practice facilities at various Olympic Sport venues (new locker room in Woolen Gym for the women’s volleyball team, improvements to the visitor’s locker room at Boshamer Stadium, batting cage structure at Anderson Softball Stadium for the women’s softball team, improvements to the gymnastic teams training area in Fetzer Gym). HVAC and other building systems will be modified and updated as needed to support the 20,210 square feet of renovated space. In addition, the project will construct two permanent shade structures (3,200 square feet) at patio locations of the Loudermilk Center for Excellence at Kenan Stadium. The project estimated to cost \$3,198,000 and funded by the UNC-Chapel Hill Educational Foundation, will be completed by September, 2015. No additional maintenance and operating funds will be requested as a result of this project completion.

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UNC-Chapel Hill – Faculty Office Renovations Lineberger Cancer Center: This project will create five faculty office and administrative work stations for principal investigators in immediate proximity to their labs. The renovation of an approximate 3,500 square-foot area disbursed over three floors will require new walls, doors, mechanical, electrical and fire alarm system modifications, and finish upgrades. The project, estimated to cost \$488,000 and funded by the UNC-Chapel Hill University Cancer Research Trust Fund, will be completed by September, 2015. No additional maintenance and operating funds will be requested as a result of this project completion.

UNC-Charlotte – Campus Storm Water Improvements: This improvement project for Davis Lake incorporates Best Management Practices to enhance water quality in compliance with the Clean Water Act. Davis Lake will be rebuilt to include features to capture sediment flowing from impervious surfaces, a 10-foot-wide shelf including water plantings, a new concrete control structure, channel protection, and 10-year storm event weirs to control discharge rates from the pond. The University is governed by the City of Charlotte's Post Construction Controls Ordinance as its regulatory framework for storm water mitigation. This project will give UNC Charlotte the ability to apply for the maximum amount of storm water fee credits and reduce mitigation requirements for new buildings. The project, estimated to cost \$450,000 and funded by FY 2014 carry-forward funds, will be completed by July, 2015. No additional maintenance and operating funds will be requested as a result of this project completion.

UNC-Pembroke – Grace Johnson Stadium Expansion Phase I: This project will add a 500-bleacher-seating section at the south end of Grace Johnson Stadium and construct additional toilet facilities to comply with requirements of the Building Code and the Americans with Disabilities Act. The project, estimated to cost \$905,250, and funded from investment income reserve, auxiliary revenues and athletic fee revenue, and will be completed in August 2015.

Authorization for Advance Planning of New Capital Improvement Projects – North Carolina State University

North Carolina State University has requested authority to establish advance planning of the following project.

NCSU – Cox Hall Scale-Up Classrooms: This request asks for authority to utilize \$25,000 of carry-forward funds for advance planning to renovate office space in Cox Hall into high-technology Scale-Up classrooms and a 100-seat lecture classroom. The project will also address building mechanical systems and toilet facilities. It is estimated that the project will cost \$1,600,000. It is anticipated that the project cost will be funded from facilities and administrative receipts. No additional maintenance and operating funds will be requested.

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

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

Increase in Authorization from: \$ to \$

Project Title: Aycock Basement and Exterior Accessibility Improvements

Project Cost: \$1,705,000

Source of Funds: Housing 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:

This project will renovate approximately 6,000 square feet of unused basement area to create new student activity space. The project will also include significant sitework to improve ADA accessibility to building, improve exterior lighting for pedestrian safety and create pleasant gathering space for students.

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)

Design	\$	172,875
Site Improvements	\$	285,000
Renovations	\$	1,098,000
Contingency	\$	69,150
Special Inspections and Materials Testing	\$	80,000
Total		\$ 1,705,000

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

FY 2014-15	Q2	\$	100,000
FY 2014-15	Q3	\$	50,000
FY 2014-15	Q4	\$	225,000
FY 2015-16	Q1	\$	1,100,000
FY 2015-16	Q2	\$	230,000
Total		\$	1,705,000

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

Construction to begin May 11, 2015 and complete approximately August 5, 2015

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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):

No change in operating cost.

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):

No change in revenue derived from this project.

7. An explanation of the means of financing:

Housing receipts

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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: 08/04/14
PROJECT IDENTIFICATION: Aycock Basement and Exterior Accessibility Improvements
PROJECT CITY or LOCATION: Greenville, NC

PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)

Renovate 6,000 square feet of existing, unused basement area to create new space for student activities. Includes significant sitework to improve ADA accessibility to building, improve exterior lighting for pedestrian safety and create pleasant gathering space for students.

(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	1	lot	\$ 20,000.00	\$20,000
2. Site Work	1	lot	\$ 140,000.00	\$140,000
C. Construction				
1. Utility Services				\$0
2. Building Construction (new space)				\$0
3. Building Construction (existing-heavy reno)	4000	SF	\$ 200.00	\$800,000
4. Plumbing (new space)				\$0
5. HVAC (new space)				\$0
6. Electrical (Includes TV & Radio Studio)				\$0
7. Fire Supression and Alarm Systems				\$0
8. Telephone, Data, Video	6000	SF	\$ 8.00	\$48,000
9. Associated Construction Costs (light reno)	2000	SF	\$ 125.00	\$250,000
10. Other: <u>Site walls, landscape, hardscape</u>	1	lot	\$ 125,000.00	\$125,000
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0
ESTIMATED CONSTRUCTION COSTS				\$1,383,000

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

DESIGN FEE	12.5 %	(% of Estimated Construction Costs)	\$172,875
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	(\$80,000		
TESTING/GEOTECHNICAL	allowance) %	(estimated)	\$80,000
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Est. Const. Cost)	\$0
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$69,150

ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee)

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 %)

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

APPROVED BY: _____
(Governing Board or Agency Head)

TITLE: Director, Facilities Engr & Arch Services

DATE _____

\$0

\$1,705,000

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

Institution: East Carolina University Advance Planning Request: _____

New Capital Project*: X

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

Project Title: ECU Transit Facility-Site Improvements

Project Cost: \$450,000

Source of Funds: Housing receipts as a temporary loan to Transit (both Student Affairs organizations)

*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 create a new bus wash facility to support cleaning of recently acquired ECU Athletics buses. An existing building on the existing ECU Transit Facility site will be enlarged and converted to a wash bay & sewerage disposal area for the buses. The building will be extended approximately 25 feet and include two 16' x 14' roll up doors for access. The project will modify the existing floor drain system for collection of the wash down water and install treatment equipment to soften and deionize water used for final rinsing during the wash process. A gas heater will be installed as well as lighting and electrical service as necessary. Site improvements will made to including paving the motor coach bus parking area, drive isles and the NCDOT Commercial Driver's License testing area.**
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)

Design	\$	52,800
Construction	\$	375,225
Contingency	\$	18,761
Materials Testing	\$	3,214
Total	\$	450,000

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

FY 2014-15	Q2	\$	26,400
FY 2014-15	Q3	\$	101,725
FY 2014-15	Q4	\$	262,755
FY 2015-16	Q1	\$	59,120
Total		\$	450,000

4. An estimated schedule for the completion of the project:
Design: 7 weeks; SCO approval: 4 weeks; Bidding: 3 weeks; Construction: 16 weeks
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):
This is a receipts supported project that requires no State funds for maintenance.
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):
NA
7. An explanation of the means of financing:
Student Affairs Receipts

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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: 08/12/14
PROJECT IDENTIFICATION: ECU Transit Facility - Site Improvements
PROJECT CITY or LOCATION: 285 Easy Street, Greenville, NC

PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)

This project will create a new bus wash facility to support cleaning of recently acquired ECU Athletics buses. An existing building on the existing ECU Transit Facility site will be enlarged and converted to a wash bay & sewerage disposal area for the buses. The building will be extended approximately 25 feet and include two 16' x 14' roll up doors for access. The project will modify the existing floor drain system for collection of the wash down water and install treatment equipment to soften and deionize water used for final rinsing during the wash process. A gas heater will be installed as well as lighting and electrical service as necessary. Site improvements will made to including paving the motor coach bus parking area, drive isles and the NCDOT Commercial Driver's License testing area.

(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. Survey	1	lot	\$ 2,225.00	\$2,225
2. Site Work	1	lot	\$ 116,306.00	\$116,306
C. Construction				
1. Utility Services				\$0
2. Building Construction (new space)	750	SF	\$ 186.10	\$139,575
3. Building Construction (existing-heavy reno)				\$0
4. Plumbing (new space)				\$0
5. Water Treatment System	1	LS	\$ 10,575.00	\$10,575
6. Electrical (Includes TV & Radio Studio)				\$0
7. Other: Add Alternate - Paving	1	LS	\$ 103,620.00	\$103,620
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0
				\$372,301

ESTIMATED CONSTRUCTION COSTS

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

DESIGN FEE	15.0 %	(% of Estimated Construction Costs)	\$55,845
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	(\$3,000		
TESTING/GEOTECHNICAL	allowance) %	(estimated)	\$3,200
SUSTAINABILITY		(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING		Includes programming, feasibility, analysis (% of Est. Const. Cost)	\$0
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$18,615

ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee)

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 %)

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

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

TITLE: Director, Facilities Engr & Arch Services

DATE 8-12-14

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

Institution: North Carolina State University Advance Planning Request:
 Increase in Authorization from: \$ to \$ New Capital Project*: X
 Project Title: Research 3 HVAC Renovations
 Project Cost: \$500,000
 Source of Funds: F&A

*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 design and implement HVAC equipment repairs and upgrades for the entire Research 3 building, which consists of 25,325 SF. A new building controls system will be tied into the University's Building Maintenance and Operations division for easy monitoring. The entire building will be commissioned upon project completion to ensure efficiency.
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):
 FY 2015: 1Q -- \$4,773 2Q -- \$23,227 3Q -- \$327,648 4Q -- \$84,352
 FY 2016: 1Q -- \$60,000
4. An estimated schedule for the completion of the project:
 Design Start: 9/17/14 Design Complete: 12/17/2014
 Construction Start: 1/12/15 Construction Complete: 7/27/15
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 (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):
 No revenues are expected to be derived from this project.
7. An explanation of the means of financing:
 This project will be funded by University F&A.

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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: Research III HVAC Improvements
PROJECT CITY or LOCATION: Raleigh - Centennial Campus

DATE: 07/01/14

PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)

This project will upgrade and repair controls and HVAC equipment to increase comfort and improve efficiencies for the building system.

(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)	25,482	sf	\$ 1.00	\$25,482
4. Plumbing (new & existing space)				\$0
5. HVAC (existing space)	25,482	sf	\$ 12.00	\$305,784
6. Electrical (existing space)	25,482	sf	\$ 3.60	\$91,735
7. Fire Suppression and Alarm Systems (new & existing space)				\$0
8. Telephone, Data, Video (new & existing space)				\$0
9. Associated Construction Costs	1	lump sum	\$ 5,075.00	\$5,075
10. Other: Security				\$0
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0
ESTIMATED CONSTRUCTION COSTS				\$428,076

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)	\$42,808
PRECONSTRUCTION COSTS	0.3 %	(% of Estimated Construction Costs [1% for CM@Risk])	\$1,284
COMMISSIONING	1.5 %	(0.5% simple; 1.0% moderate; 1.5% complex)	\$6,421
SPECIAL INSPECTIONS/MATERIALS	%	(1.25% estimated)	\$0
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	\$0
		Includes programming, feasibility, analysis	
ADVANCE PLANNING	%	(% of Estimated Construction Costs)	\$0
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$21,404
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	\$499,993

Escalation = percent per month multiplied by number of months

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

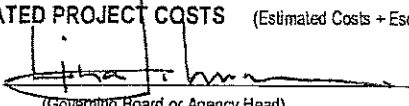
6 months 0 % per month

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 = .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: 
(Governing Board or Agency Head)

TITLE University Architect

DATE 7-7-14

\$0

\$499,993

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

Institution: NC State University Advance Planning Request: _____
New Capital Project*: X

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

Project Title: Lee Hall Stair Enclosure Upgrade

Project Cost: \$500,000

Source of Funds: Housing 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:

This project will upgrade the life safety systems to comply with the NC Building Code. Project scope includes 24,000 SF of corridor and stair upgrades in the 187,767 GSF Lee Residence Hall. The 9-story building was constructed in 1964. The project does not add GSF.

2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (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):

FY 2015: Q2 - \$39,612; Q4 -- \$240,210;

FY 2016: Q1 - \$153,912; Q2 - \$50,744; Q3 - \$15,522

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

Design Start: 10/10/14

Design Complete: 2/11/15

Construction Start: 5/11/15

Construction Complete: 7/31/15

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 (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):

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

7. An explanation of the means of financing:

Source of funds – NCSU Housing Receipts

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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: 08/05/14
PROJECT IDENTIFICATION: Lee Hall: Stair Enclosure and Fire-Stopping Upgrade
PROJECT CITY or LOCATION: Central Campus Precinct - Raleigh, NC
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 upgrade the life safety systems to comply with the NC Building Code. Project scope includes 24,000 SF of corridor and stair upgrades in the 187,767 GSF Lee Residence Hall. The 9-story building was constructed in 1964. The project does not add GSF.

(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)	24000	GSF	\$ 10.00	\$240,000
4. Plumbing (new space)				\$0
5. HVAC (existing)	24000	GSF	\$ 3.25	\$78,000
6. Electrical (existing)	24000	GSF	\$ 2.00	\$48,000
7. Fire Suppression and Alarm Systems	24000	GSF	\$ 2.50	\$60,000
8. Telephone, Data, Video				\$0
9. Associated Construction Costs				\$0
10. Other:	1	lump sum	\$ 6,609.00	\$6,609
D. Equipment				\$0
1. Fixed				\$0
2. Moveable				\$0
ESTIMATED CONSTRUCTION COSTS				\$432,609

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)
PRECONSTRUCTION COSTS	%	(% of Estimated Construction Costs [1% for CM@Risk])
COMMISSIONING	%	(0.5% simple; 1.0% moderate; 1.5% complex)
SPECIAL INSPECTIONS/MATERIALS	%	(1.25% estimated)
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])

\$43,261
\$2,500
\$0
\$0
\$0
\$0
\$0
\$21,630
\$500,000

ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee)

Escalation = percent per month multiplied by number of months

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

9 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 = .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 %)

\$0
\$500,000

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

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

TITLE University Architect

DATE 8.6.14

APPENDIX D

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

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

Increase in Authorization from: \$ to \$

Project Title: Millstone 4-H Camp History & Learning Center

Project Cost: \$1,500,000

Source of Funds: NC Agricultural Foundation, Inc. cash and grants

*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 North Carolina 4-H History & Learning Center will be a new 4500SF building to be constructed at Millstone 4-H Camp in Richmond County, NC. The multi-purpose one-story building will provide much needed space for summer 4-H camp programs, year-round programs for school groups in 34 surrounding counties, as well as space for use by the NC Cooperative Extension Service and the NC Wildlife Resources Commission.

2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs):

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):

FY 2015: 2Q - \$41,972; 3Q - \$40,560; 4Q - \$183,543

FY 2016: 1Q - \$527,391; 2Q - \$405,219; 3Q - \$155,496; 4Q - \$119,875

FY 2017: 1Q - \$25,944

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

Design Start: 11/13/14 Design Complete: 2/28/14

Construction Start: 4/30/15 Construction Complete: 1/31/15

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 (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):

The building will be the arrival and programmatic hub for a variety of programs and events at Millstone 4-H Camp. Fees will be collected for the use of the building. Estimated revenue is \$31,500 per year.

$\$31,500 \times 5 \text{ years} = \$157,500$

7. An explanation of the means of financing:

Project funding: \$500,000 - Cash from NC Agricultural Foundation, Inc.

\$250,000 – COLE Foundation Grant

\$750,000 – SECU Foundation Grant

\$1,500,000 Total Project Budget

APPENDIX D

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: North Carolina State University DATE: 07/25/14
PROJECT IDENTIFICATION: NC 4-H History & Learning Center
PROJECT CITY or LOCATION: Ellerby, Richmond County, NC
PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)
The North Carolina 4-H History & Learning Center will be a new 4500 GSF building to be constructed at Millstone 4-H camp in Richmond County, NC. The multi-purpose one-story building will provide much needed space for summer 4-H camp programs, year-round programs for school groups in 34 surrounding counties, as well as space for use by the NC Cooperative Extension Service and the NC Wildlife Resources Commission.

(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	\$ 60,000.00	\$60,000
C. Construction				
1. Utility Services	1	lump sum	\$ 60,000.00	\$60,000
2. Building Construction (new space)	4500	GSF	\$ 120.00	\$540,000
3. Building Construction (existing)				\$0
4. Plumbing (new space)	4500	GSF	\$ 20.00	\$90,000
5. HVAC (new space)	4500	GSF	\$ 30.00	\$135,000
6. Electrical (new space)	4500	GSF	\$ 28.00	\$126,000
7. Fire Suppression and Alarm Systems (new space)	4500	GSF	\$ 5.00	\$22,500
8. Telephone, Data, Video (new space)	4500	GSF	\$ 11.00	\$49,500
9. Associated Construction Costs	1	lump sum	\$ 71,348.00	\$71,348
10. Other:				\$0
D. Equipment				
1. Fixed	1	lump sum	\$ 90,000.00	\$90,000
2. Moveable	1	lump sum	\$ 60,000.00	\$60,000
ESTIMATED CONSTRUCTION COSTS				\$1,304,348

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)	\$130,435
PRECONSTRUCTION COSTS	1 %	(% of Estimated Construction Costs [1% for CM@Risk])	\$13,043
COMMISSIONING	%	(0.5% simple; 1.0% moderate; 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS	1 %	(1.25% estimated)	\$13,043
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])	\$39,130
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	\$1,500,000

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 = .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 7.25.14

APPENDIX D

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: \$ 0 to \$1,699,000

Project Title: Biomedical Engineering Renovations in Phillips Hall

Project Cost: \$1,699,000

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:

The UNC/NCSU Department of Biomedical Engineering is requesting space for design and laboratory-based courses in the undergraduate program. The 3,200SF space to be renovated will host two, reconfigurable classrooms, a rapid prototyping space, and two problem-based learning rooms. The goals of the space are (a) to create a multi-functional reconfigurable learning space for students, (b) to foster the highest possible standards in education and learning techniques by creating a multi-sensory, interactive, highly featured classrooms and collaborative learning spaces, and (c) to maintain a fully-functional rapid-prototyping facility for use by students and departmental design instructors in an effort to create a competitive model engineering student for industry and academia upon graduation.

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)

\$1,699,000

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		
By end of:	2Q 2015	4Q 2015
Expected Expenditure:	\$ 174,240	\$ 1,524,760

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

Begin construction – July 1, 2015; Substantial Completion – December 1, 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):

Small renovation; 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: F&A funds

APPENDIX D



North Carolina

Department of Administration

Pat McCrory, Governor
Bill Daughtridge, Jr., Secretary

State Construction Office
Gregory A. Driver, PE, Director

OC-25: 201360500243
Proposed Capital Improvement Project
Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: UNC Chapel Hill
PROJECT IDENTIFICATION: Biomedical Engineering Renovations in Phillips Hall
PROJECT TYPE: University Download
CLASSIFICATION: Repairs, Reroofing, Renovations

PROJECT DESCRIPTION AND JUSTIFICATION: The UNC/NCSU Department of Biomedical Engineering is requesting space for design and laboratory-based courses in the undergraduate program. The 3,200SF space to be renovated will host two, reconfigurable classrooms, a rapid prototyping space, and two problem-based learning rooms. The goals of the space are (a) to create a multi-functional reconfigurable learning space for students, (b) to foster the highest possible standards in education and learning techniques by creating a multi-sensory, interactive, highly featured classrooms and collaborative learning spaces, and (c) to maintain a fully-functional rapid-prototyping facility for use by students and departmental design instructors in an effort to create a competitive model engineering student for industry and academia upon graduation.

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>COST PER UNIT</u>	<u>TOTAL</u>
1. Site Demolition	3200.0	Square Feet	\$15	\$48,000
3. Building Construction (existing)	3200.0	Square Feet	\$33	\$105,600
4. Plumbing (new space)	3200.0	Square Feet	\$35	\$112,000
5. HVAC (new space)	3200.0	Square Feet	\$55	\$176,000
6. Electrical (Includes TV & Radio Studio)	3200.0	Square Feet	\$30	\$96,000
7. Fire Suppression and Alarm Systems	3200.0	Square Feet	\$2	\$6,400
8. Telephone, Data, Video	3200.0	Square Feet	\$106	\$339,200
9. Associated Construction Costs	1.0	Lump Sum	\$56,960	\$56,960
10. Other	1.0	Lump Sum	\$227,840	\$227,840
1. Fixed	3200.0	Square Feet	\$80	\$256,000
2. Moveable	1.0	Lump Sum	\$28,000	\$28,000
ESTIMATED CONSTRUCTION COST:				\$1,452,000

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APPENDIX D

WorkflowStep for Proposed Capital Improvement Project OC-25: 201360500243

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DESIGN FEE	10%	(% of Estimated Construction Costs)	\$145,200
PRECONSTRUCTION COSTS	1%	(% of Estimated Construction Costs [1% for CM@Risk])	\$14,520
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	1%	(% of Estimated Costs - includes programming, feasibility, analysis)	\$14,520
CONTINGENCIES	5%	(% of Estimated Costs [3% New or 5% R&R])	\$72,600
ESTIMATED COSTS	(Estimated Construction Costs + Design Fee + Preconstruction + Commissioning + Special + Sustainability + Advance Planning + Contingencies)		\$1,698,840

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) **\$1,699,000**

COMMENTS:

1. [2014-07-31 10:26:12] thoskins - Save
2. [2014-07-31 10:19:54] thoskins - Create

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APPENDIX D

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: \$ 0 to \$3,923,000

Project Title: Murray Hall 1101/3401 Laboratory Up-fit

Project Cost: \$3,923,000

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:

The Murray Hall Laboratory Up-fit project requires advance planning and construction administration services for the up-fit of 2 existing shell spaces located at Murray Hall 1101 (~10,500 sq. ft.) and Room 3401 (~1,420 sq. ft.) into a collection of faculty research laboratories, a "Creatorspace" facility, and additional meeting and office space. Laboratories in both spaces should be appropriate for chemical and/or materials science use. The "Creatorspace" facility (Room 1101) will provide a place where students develop electronic or mechanical prototypes, film, wood, plastic and fabric models, working with equipment such as 3D printers, robotics, electronics, wood and metal shop equipment.

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 OC25

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

1Q 2015	2Q 2015	3Q 2015	4Q 2015	1Q 2016	2Q 2016	Total
\$ 353,070	\$ 588,450	\$ 784,600	\$ 1,216,130	\$ 588,450	\$ 392,300	\$ 3,923,000

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

Begin September 15, 2014 Complete Construction by November 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):

APPENDIX D

The operating costs will be funded with nongeneral funds.

		Annual	Annual	Annual	Annual	Annual
		Budget	Budget	Budget	Budget	Budget
		2013-14	2014-15	2015-16	2016-17	2017-18
TOTAL – RESERVE FOR OPERATION OF						
MURRAY HALL RENOVATION		\$0	\$0	\$130,062	\$119,001	\$119,001
	R	\$0	\$0	\$119,001	\$119,001	\$119,001
	NR	\$0	\$0	\$11,061	\$0	\$0
		=====	=====	=====	=====	=====
0180-3300	Utility Inflation Increase	\$0	\$0	\$0	\$0	\$0
TOTAL WITH UTILITY INCREASE		\$0	\$0	\$130,062	\$119,001	\$119,001

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

APPENDIX D



North Carolina

Department of Administration

Pat McCrory, Governor
 Bill Daughtridge, Jr., Secretary

State Construction Office
 Gregory A. Driver, PE, Director

OC-25: 201360500244
 Proposed Capital Improvement Project
 Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: UNC Chapel Hill
PROJECT IDENTIFICATION: Murray Hall Laboratory Up-Fit
PROJECT TYPE: Lab Bldg. (Educ.)
CLASSIFICATION: Major Renovations

PROJECT DESCRIPTION AND JUSTIFICATION: Prepare advance planning and construction administration services for the up-fit of 2 existing shell space located at Murray Hall 1101 (approx. 10,500 sq. ft.) into a collection of scientific laboratories (~55%), a "Creatorspace" facility (25-30%), and additional meeting and office space (15-20%); and Murray 3401 (1,420 approx. sq. ft.). Scientific laboratories in both spaces should be appropriate for chemical and/or materials science use. The "Creatorspace" facility (Room 1101) will provide a place where people develop electronic or mechanical prototypes, film, wood, plastic and fabric models, working with equipment such as 3D printers, robotics, electronics, wood and metal shop equipment.

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>COST PER UNIT</u>	<u>TOTAL</u>
3. Building Construction (existing)	11920.0	Square Feet	\$55	\$655,600
4. Plumbing (new space)	11920.0	Square Feet	\$30	\$357,600
5. HVAC (new space)	11920.0	Square Feet	\$45	\$536,400
6. Electrical (Includes TV & Radio Studio)	11920.0	Square Feet	\$25	\$298,000
7. Fire Suppression and Alarm Systems	11920.0	Square Feet	\$4	\$47,680
8. Telephone, Data, Video	11920.0	Square Feet	\$2	\$23,840
10. Other	1.0	Lump Sum	\$600,000	\$600,000
1. Fixed	1.0	Lump Sum	\$750,000	\$750,000
2. Moveable	1.0	Lump Sum	\$150,000	\$150,000
ESTIMATED CONSTRUCTION COST:				\$3,419,120

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APPENDIX D

WorkflowStep for Proposed Capital Improvement Project OC-25: 201360500244

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DESIGN FEE	10%	(% of Estimated Construction Costs)	\$341,912
PRECONSTRUCTION COSTS	0%	(% of Estimated Construction Costs [1% for CM@Risk])	\$0
COMMISSIONING FEE	1%	(0.5% simple, 1% moderate, 1.5% complex)	\$34,191
SPECIAL INSPECTIONS/MATERIALS	0%	(1.25% Estimated)	\$0
SUSTAINABILITY	0%	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	0.75%	(% of Estimated Costs - includes programming, feasibility, analysis)	\$25,643
CONTINGENCIES	3%	(% of Estimated Costs [3% New or 5% R&R])	\$102,573
ESTIMATED COSTS	(Estimated Construction Costs + Design Fee + Preconstruction + Commissioning + Special + Sustainability + Advance Planning + Contingencies)		\$3,923,439

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) **\$3,923,000**

COMMENTS:

1. [2014-08-01 08:40:15] jguerrie - Save
2. [2014-08-01 08:26:25] jguerrie - Save
3. [2014-08-01 08:10:53] jguerrie - Create

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APPENDIX D

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: \$ 0 to \$3,198,000

Project Title: Improvements to Athletics Facilities

Project Cost: \$3,198,000

Source of Funds: Education Foundation

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

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

1. A detailed project description and justification:

This project will improve the locker, training, and practice facilities at various Olympic Sport venues. HVAC and other systems will be updated as needed to support these renovations (20,210 SF). In addition, this project will install two permanent shade structures at two existing patio locations of the Loudermilk Center for Excellence at Kenan Stadium (3,200 SF)

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)

\$3,198,000 (See attached OC25)

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			
2 Q 2014-15	3Q 2014-15	4Q 2014-15	1Q 2015-16
\$ 799,500	\$ 799,500	\$ 799,500	\$ 799,500

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

Begin construction –9/30/14; Substantial Completion – 9/30/15

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 (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:

Cash- Foundation

APPENDIX D



North Carolina Department of Administration

Pat McCrory, Governor
Bill Daughtridge, Jr., Secretary

State Construction Office
Gregory A. Driver, PE, Director

OC-25: 201360500245
Proposed Capital Improvement Project
Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: UNC Chapel Hill
PROJECT IDENTIFICATION: Improvements to Athletics' Facilities
PROJECT TYPE: General Bldg.
CLASSIFICATION: Repairs, Reroofing, Renovations

PROJECT DESCRIPTION AND JUSTIFICATION: This project will improve the locker, training, and practice facilities at various Olympic Sport venues. HVAC and other systems will be updated as needed to support these renovations (20,210 SF). In addition, this project will install two permanent shade structures at two existing patio locations of the Loudermilk Center for Excellence at Kenan Stadium (3,200 SF)

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	\$50,000	\$50,000
3. Building Construction (existing)	1.0	Lump Sum	\$2,450,000	\$2,450,000
5. HVAC (new space)	1.0	Lump Sum	\$100,000	\$100,000
10. Other	1.0	Lump Sum	\$169,000	\$169,000
ESTIMATED CONSTRUCTION COST:				\$2,769,000

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APPENDIX D

WorkflowStep for Proposed Capital Improvement Project OC-25: 201360500245

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DESIGN FEE	10%	(% of Estimated Construction Costs)	\$276,900
PRECONSTRUCTION COSTS	0%	(% of Estimated Construction Costs [1% for CM@Risk])	\$0
COMMISSIONING FEE	0.5%	(0.5% simple, 1% moderate, 1.5% complex)	\$13,845
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])	\$138,450
ESTIMATED COSTS	(Estimated Construction Costs + Design Fee + Preconstruction + Commissioning + Special + Sustainability + Advance Planning + Contingencies)		\$3,198,195

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) **\$3,198,000**

COMMENTS:

1. [2014-08-08 15:58:21] mkonishi - Submit
2. [2014-08-08 15:51:34] mkonishi - Save
3. [2014-08-08 15:04:58] mkonishi - Create

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APPENDIX D

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: \$ 0 to \$ 500,000

Project Title: Faculty Offices Renovation-Lineberger Cancer Center

Project Cost: \$488,000

Source of Funds: University Cancer Research Trust Fund – for Renovation and Equipment

*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:
2. The intent of the project is to create five suites of faculty offices and administrative work stations for principal investigators in immediate proximity to their labs. Expected to enhance workflow, attract new faculty, and assist in faculty retention, these renovated office suites will replace small, windowless offices. The approximately 3500SF area disbursed over three floors will require renovation including walls, doors, ceilings, electrical, fire alarm, mechanical, and finishes upgrades.
3. 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 OC25

4. 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

By End of:	4Q 2014	1Q 2015
Expected Expenditure	\$400,000	\$88,020

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

Completed Construction Documents 07/11/2014; Construction End: 01/20/2015

6. 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

7. 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

8. An explanation of the means of financing: University Cancer Research Trust Fund – for Renovation and Equipment

APPENDIX D



North Carolina

Department of Administration

Pat McCrory, Governor
 Bill Daughtridge, Jr., Secretary

State Construction Office
 Gregory A. Driver, PE, Director

OC-25: 201360500242
 Proposed Capital Improvement Project
 Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: UNC Chapel Hill
PROJECT IDENTIFICATION: Faculty Offices Renovation - Lineberger Cancer Center
PROJECT TYPE: Lab Bldg. (non-Educ.)
CLASSIFICATION: Repairs, Reroofing, Renovations

PROJECT DESCRIPTION AND JUSTIFICATION: This project will create five suites of faculty offices and administrative work stations for principal investigators in immediate proximity to their labs. The project will enhance workflow, attract new faculty, and assist in faculty retention. The new offices will replace small, windowless offices. The approximately 3,500SF of renovation disbursed over three floors will include new walls, doors, ceilings, electrical, fire alarm, mechanical, and finishes upgrades.

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>
3. Building Construction (existing)	1.0	Lump Sum	\$234,000	\$234,000
5. HVAC (new space)	1.0	Lump Sum	\$75,000	\$75,000
6. Electrical (Includes TV & Radio Studio)	1.0	Lump Sum	\$90,000	\$90,000
8. Telephone, Data, Video	1.0	Lump Sum	\$14,000	\$14,000
9. Associated Construction Costs	1.0	Lump Sum	\$15,000	\$15,000
ESTIMATED CONSTRUCTION COST:				\$428,000

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APPENDIX D

WorkflowStep for Proposed Capital Improvement Project OC-25: 201360500242

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DESIGN FEE	9% (% of Estimated Construction Costs)	\$38,520
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])	\$21,400
ESTIMATED COSTS	(Estimated Construction Costs + Design Fee + Preconstruction + Commissioning + Special + Sustainability + Advance Planning + Contingencies)	\$487,920

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) **\$488,000**

COMMENTS:

1. [2014-08-13 11:01:56] mkonishi - Submit
2. [2014-07-01 14:47:28] lflewellen - Per Gary Rogers, No renovation money.
3. [2014-07-01 14:46:49] lflewellen - Reject
4. [2014-06-24 14:15:53] mkonishi - Submit
5. [2014-06-24 14:15:39] mkonishi - Create

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APPENDIX D

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

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

Increase in Authorization from: \$ to \$

Project Title: Campus Storm Water Improvements – Davis Lake

Project Cost: \$450,000

Source of Funds: FY 14 Carry Forward

*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 improvement project for Davis Lake incorporates Best Management Practices (BMP) to enhance water quality in compliance with the Clean Water Act. Davis Lake will be rebuilt to include features to capture sediment flowing from impervious surfaces, a 10-foot-wide shelf including water plantings, a new concrete control structure, channel protection, and 10-year storm event weirs to control discharge rates from the pond. The University is governed by the City of Charlotte's Post Construction Controls Ordinance (PCCO) as its regulatory framework for storm water mitigation. This project will give UNC Charlotte the ability to apply for the maximum amount of storm water fee credits and reduce mitigation requirements for new buildings in the future.

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):

FY15 QTR 2	\$45,000	FY15 QTR 3	\$200,000	FY15 QTR 4	\$205,000
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3. An estimated schedule for the completion of the project:

Design Start	11/1/2014	Construction Start	2/1/2015
Construction Complete	6/30/2015	Occupy	6/30/2015

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

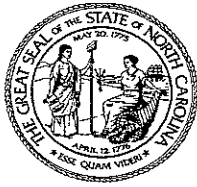
5. An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation (Answer for capital construction only):

N/A

6. An explanation of the means of financing:

FY 14 Carry Forward

APPENDIX D



North Carolina Department of Administration

Pat McCrory, Governor
Bill Daughtridge, Jr., Secretary

State Construction Office
Gregory A. Driver, PE, Director

OC-25: 201360500529
Proposed Capital Improvement Project
Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: UNC Charlotte
PROJECT IDENTIFICATION: Campus Storm Water
PROJECT TYPE: Area Drainage
CLASSIFICATION: Repairs, Reroofing, Renovations

PROJECT DESCRIPTION AND JUSTIFICATION: This retrofit storm water project for Davis Lake incorporates Best Management Practices (BMP) to enhance water quality benefits for future buildings and will give UNC Charlotte the ability to apply for the maximum amount of storm water fee credits. The University defers to the City of Charlotte's Post Construction Controls Ordinance (PCCO) as the regulatory framework for storm water mitigation. Davis Lake will be rebuilt to include features forebays to capture sediment that comes off impervious surfaces, a 10-foot-wide littoral shelf including water plantings, a new concrete control structure, channel protection, and 10-year storm event weirs to control discharge rates from the pond.

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>COST PER UNIT</u>	<u>TOTAL</u>
10. Other	29620.0	Square Feet	\$13	\$385,060
11 Project Support	1.0	Lump Sum	\$1,000	\$1,000
ESTIMATED CONSTRUCTION COST:				\$386,060

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APPENDIX D

WorkflowStep for Proposed Capital Improvement Project OC-25: 201360500529

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DESIGN FEE	10% (% of Estimated Construction Costs)	\$38,606
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	1% (% of Estimated Costs - includes programming, feasibility, analysis)	\$3,860
CONTINGENCIES	5% (% of Estimated Costs [3% New or 5% R&R])	\$19,303
ESTIMATED COSTS	(Estimated Construction Costs + Design Fee + Preconstruction + Commissioning + Special + Sustainability + Advance Planning + Contingencies)	\$447,829

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) **\$448,000**

COMMENTS:

1. [2014-08-19 07:53:38] Laurie Mande - Save
2. [2014-08-19 07:46:40] Laurie Mande - Save
3. [2014-08-15 17:03:34] Laurie Mande - Save
4. [2014-08-15 17:02:38] Laurie Mande - Save
5. [2014-08-15 16:59:51] Laurie Mande - Save
6. [2014-08-15 16:59:19] Laurie Mande - Save
7. [2014-08-15 16:58:57] Laurie Mande - Save
8. [2014-08-15 16:57:22] Laurie Mande - Save
9. [2014-08-15 16:51:15] Laurie Mande - Copied from: Music Annex Building

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APPENDIX D

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

Institution: UNC Pembroke Advance Planning Request: _____
New Capital Project*: Yes
Increase in Authorization from: \$ _____ to \$ _____
Project Title: Grace Johnson Stadium Expansion – Phase I
Project Cost: \$905,240.00
Source of Funds: Non-General Funds: See attached Project Funding Document

*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: Addition of seating capacity at Grace Johnson Stadium and code required toilet facility. Stadium bleachers to receive 500 seat section at south end of home side. Additional toilet facility would be located adjacent to new bleacher section to comply with ADA and IBC code requirements.
2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (a completed OC-25 form). See attached.
3. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only): N/A
4. An estimated schedule for the completion of the project: Upon BOG approval in June 2014, design work could be completed by end of physical year 2014 and construction could be completed during spring/summer 2015 being ready for fall football season.
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): N/A
7. An explanation of the means of financing: Current funding will finance this project. See attached Project Funding Document.

APPENDIX D

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: University of North Carolina at Pembroke DATE: 03.31.14
PROJECT IDENTIFICATION: Grace Johnson Stadium Expansion - Phase I
PROJECT CITY or LOCATION: Pembroke, North Carolina
PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a 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				
C. Construction				
1. Utility Services				\$0
2. Building Construction (new space)				\$496,768
3. Building Construction (existing)				\$0
4. Plumbing (new space)				\$284,412
5. HVAC (new space)				\$0
6. Electrical (Includes TV & Radio Studio)				\$0
7. Fire Supression and Alarm Systems				\$0
8. Telephone, Data, Video				\$0
9. Associated Construction Costs				\$0
10. Other:				\$0
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0
ESTIMATED CONSTRUCTION COSTS				\$781,180

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

DESIGN FEE		%	(% of Estimated Construction Costs)	\$85,000
PRECONSTRUCTION COSTS		%	(% of Estimated Construction Costs [1% for CM@Risk])	\$5,500
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)	\$0
CONTINGENCIES		%	(% of Estimated Construction Costs [3% New or 5% R&R])	\$33,570
ESTIMATED COSTS			(% of Estimated Construction Costs + Contingencies + Design Fee)	\$905,250

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 %)	\$0
TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase)	\$905,250

APPROVED BY: _____ TITLE _____ DATE _____
(Governing Board or Agency Head)

University of North Carolina Pembroke
Grace Johnson Stadium Expansion Project Phase I
Project Budget

Investment Income Reserve <i>Fund #270510</i>	\$272,254
Auxiliary Revenues	\$353,874
Athletic Fee Revenue (to fund public restroom portion of project) <i>Fund #307500</i>	\$279,112
Project Budget	\$905,240

APPENDIX D

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

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

Increase in Authorization from: \$ to \$

Project Title: Cox Hall Scale-up Classrooms

Project Cost: AP Request \$25,000 (Total Project Budget \$1,600,000)

Source of Funds: Carry Forward 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 renovate office space in Cox Hall into high-technology classrooms. The project will create two SCALE-UP classrooms and one 100-seat lecture classroom. The renovation will address mechanical systems and toilet facilities.

2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs
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):

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

Design Start: 1/6/15

Design Complete: 8/12/15

Construction Start: 10/23/15

Construction Complete: 3/18/16

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:

AP request of \$25,000 is funded by Carry Forward funds.
Construction funding is expected to be F&A.

APPENDIX D

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: North Carolina State University DATE: 07/25/14
PROJECT IDENTIFICATION: Cox Hall Renovations
PROJECT CITY or LOCATION: Raleigh - North Campus

PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)
This project will renovate office space in Cox Hall into high-technology classrooms. The project will create two SCALE-UP classrooms and one 100-seat lecture classroom. The renovation will address mechanical systems and toilet facilities.

(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)	10660	SF	\$ 45.75	\$487,695
4. Plumbing (existing space)	10660	SF	\$ 11.00	\$117,260
5. HVAC (existing space)	10660	SF	\$ 15.00	\$159,900
6. Electrical (existing space)	10660	SF	\$ 9.00	\$95,940
7. Fire Suppression and Alarm Systems (new & existing space)				\$0
8. Telephone, Data, Video (existing space)	10660	SF	\$ 10.00	\$106,600
9. Associated Construction Costs	1	lump sum	\$ 90,351.00	\$90,351
10. Other:				\$0
D. Equipment				
1. Fixed				
2. Moveable	1	lump sum	\$ 300,000.00	\$300,000
				\$0
				\$1,357,746

ESTIMATED CONSTRUCTION COSTS

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)	\$135,775
PRECONSTRUCTION COSTS	1 %	(% of Estimated Construction Costs [1% for CM@Risk])	\$13,577
COMMISSIONING	1 %	(0.5% simple; 1.0% moderate; 1.5% complex)	\$13,577
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)	
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$67,887
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	\$1,588,563

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 %)

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

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

TITLE University Architect

DATE 7.25.14

\$11,438

\$1,600,000