2. Authorization of Capital Improvements Projects – NCA&T, NCSU, UNC-CH, UNCC, and WCU..... Will Johnson

Situation: NCA&T, NCSU, UNC-CH, UNCC, and WCU have requested authority to proceed with non-appropriated capital improvements projects using available funds derived from athletic receipts, clinical service receipts, dining receipts, housing receipts, facilities and administrative funds, private donations, repairs and renovations funds, student fees, thermal assessment funds, and trust funds.

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

Assessment: NCA&T, NCSU, UNC-CH, UNCC, and WCU 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 further recommended that these projects be reported to the Office of State Budget and Management as non-appropriated projects do not require any additional debt or burden on state appropriations.

Action: This item requires a vote.

Authorization of Capital Improvements Projects – North Carolina A&T State University, North Carolina State University, and the University of North Carolina at Chapel Hill

North Carolina A&T State University, North Carolina State University, and the University of North Carolina at Chapel Hill have requested authority to establish the following new capital improvements projects.

NCA&T – Morrow Hall Electrical and Restrooms Upgrade: This project will make the existing restrooms ADA compliant, replacing plumbing pipes that have deteriorated due to age and continual failure, and abate asbestos insulation on the pipes at Morrow Residence Hall, built in 1960. It is a two-story facility that houses 202 students. The project will also replace the existing electrical branch circuits and panels. The existing circuits are grounded via metal raceways. The current code requires a separate ground wire for each circuit. This will require new feeder circuits to be installed. The tiles and fixtures will be replaced at the same time. The project, estimated to cost $1,106,846, will be funded by housing receipts, and will be completed by August 2016.

NCA&T – Van Story Residence Hall HVAC Upgrade: This project will renovate the existing HVAC system in Van Story Residence Hall, built in 1967. It is a three-story facility that houses 232 students. The HVAC system consists of fan coil units in each room, which are fed from a central chiller plant located in Benbow Hall. A hot water heat exchanger is fed by campus steam. The unit is a two-pipe system that distributes cold or hot water depending on the season. Room temperatures are controlled by individual thermostats in each room. The pipes are constantly leaking throughout the facility causing hardships for the students; the pipes and insulation will be replaced throughout the building. The project, estimated to cost $1,154,438, will be funded by housing receipts and will be completed by August 2016.

NCSU – D.H. Hill Accessibility and Elevator Improvements: This project will modify the cab and the structural system to carry additional loads of extended elevator service. The existing north tower elevator is located in the D.H. Hill Old Bookstacks adjacent to the Erdahl Cloyd Wing with non-aligning floors. All current stops are within the Old Bookstacks. This change will provide an improved route to access the Erdahl Cloyd Wing with a new elevator stop. The elevator well will be modified to install a new hydraulic jack assembly in addition to upgrading the microprocessor-based signal-control system. The project, estimated to cost $700,000, will be funded by facilities and administrative receipts and will be completed by December 2016.

NCSU – Lake Raleigh Bridge: This project will design and construct a "boardwalk" type bridge to connect the StateView Hotel and Conference Center to the future Town Center (existing Lake Raleigh fishing area). The approximately 450-foot boardwalk spans across the northeast area of Lake Raleigh. The specific location and construction type will be determined during the project. This bridge will be a vital connection for visitors staying at the Hotel and Conference Center to connect to the vast array of retail and restaurant services planned for the Town Center, along with other amenities. The project, estimated to cost $500,000, will be funded by trust funds and will be completed by November 2016.

NCSU – Murphy Center Locker Room Upgrade: This project renovates the team locker room in the Murphy Center with updated flooring, wall finishes, and lockers. The project, estimated to cost $472,000, will be funded by athletic receipts and will be completed by January 2016.

NCSU – Barbour Drive Realignment: This project will develop a realignment street master plan of Barbour Drive from Bilyeu Street to Blair Drive and implement construction of the northern most section of Barbour with stormwater improvements. Barbour Drive will be developed as a divided two-lane avenue with a median and an All-Campus Path. The existing Barbour Drive will become the northbound lane, while a new southbound lane will be created to the west. The project design includes stormwater, street with curb and gutter, street lighting, street trees, and domestic water line. The project, estimated to cost $450,000, will be funded by trust funds and will be completed by November 2016.

UNC-CH – Wilson Hall Annex Renovation: This project will provide a comprehensive renovation of the 1964 Wilson Hall Annex (100,574 square feet) which is currently occupied by the Department of Biology and houses 11 research-active Principal Investigators, 7 research/teaching laboratories, wind tunnel, and vivarium. The renovation will provide a new state-of-the-art laboratory and vivarium facility and address the building envelope, building systems and life safety deficiencies, and other deferred maintenance items. The project, estimated to cost $31,450,173, will be funded by facilities and administrative receipts and will be completed by January 2019.

UNC-CH – Eshelman School of Pharmacy Foundation of Patient Care Teaching Space Fitup: This project will renovate approximately 2,905 square feet of existing unused space into new classroom and clinical simulation teaching spaces suited to the new proposed teaching curriculum for the Eshelman School of Pharmacy. Flexible teaching spaces are needed to increase efficiency and further enhance student learning. Scope of work will include installation of walls, flooring, and ceilings, as well as electrical, HVAC, fire protection, plumbing systems, and finish upgrades. The project, estimated to cost $415,985, will be funded by facilities and administrative receipts and private donations, and will be completed by January 2016.

UNC-CH – Renovations to Suite 210 Beard Hall: This project will renovate approximately 1,600 square feet of existing obsolete laboratory space into new dry research and office spaces suited to the new proposed users for the Eshelman School of Pharmacy. Office spaces are expected to be flexible and able to handle a number of new office and dry research programs and activities required by the faculty. Additional office space is needed to accommodate growth in staffing at the school. Scope of work will include removal and replacement of all existing walls, flooring, ceilings as well as electrical, HVAC, fire protection, plumbing systems, and finish upgrades. The project, estimated to cost $473,520, will be funded by facilities and administrative receipts and private donations and will be completed by May 2016.

UNC-CH – CURE HIV Laboratory Renovation – Genetic Medicine Building – 2nd Floor: This project will renovate approximately 2,400 square feet of laboratory space previously used for medicinal chemistry purposes into laboratory space that can accommodate the use of biological work with infectious agents and to house the addition of research staff and a new UNC faculty recruit as part of the new HIV Cure partnership with GSK. The scope of work includes removal of walls to create an enclosed research space along with three smaller enclosed research rooms that will handle work with infectious agents that meets EHS guidelines. Additional renovation

of research space that accommodates molecular biology work is needed for staff to conduct HIV cure drug discovery work. The project, estimated to cost $799,200, will be funded by facilities and administrative receipts and private donations, and will be completed by April 2016.

Authorization for Advance Planning of New Capital Improvements Project – North Carolina State University and the University of North Carolina at Chapel Hill

North Carolina State University and the University of North Carolina at Chapel Hill have requested authority to establish advance planning of the following projects.

NCSU – Case Commons Residence Hall: This project will construct a residential facility to house student athletes and the general student population on the Central Campus Precinct. The facility will provide approximately 62 beds, including resident advisors, and accessible rooms. This project will move students from off-campus housing facilities to a location in close proximity to athletic and academic facilities. The project also includes community space, study rooms, laundry, and a 24-hour desk. This advance planning authorization will utilize $1,000,000. The project, estimated to cost $15,000,000, will be funded from trust funds.

NCSU – Centennial Campus Extension of Initiative Way: This project will install approximately 1,500 linear feet of new, two-lane asphalt pavement with a concrete curb and gutter from the current end point of Initiative Way at the Oval Drive Storage Lots south to the intersection of Blair Drive and Initiative Way. The project will also include the extension of approximately 328 linear feet of two-lane road with curb and gutter of Blair Drive east to connect with Centennial Parkway. A bridge in the Blair Drive extension is included to preserve a perennial stream on the northeast side of Centennial Campus. The project will require coordination with the U.S. Army Corps of Engineers, the N.C. Department of Environment and Natural Resources Water Quality, and the Land Quality Division for sedimentation and erosion control work. This advance planning authorization will utilize $150,000. The project, estimated to cost $1,790,000, will be funded from trust funds.

UNC-CH – Davie Hall Replacement: This project will replace the existing Davie Hall and Davie Hall Annex within its existing location. The new facility creates instructional, research, academic/research, support spaces, and a vivarium for a growing Psychology program. The project proposes a net assignable program and gross square footage to 110,500 GSF. This advance planning authorization will utilize $300,000. The project, estimated to cost $77,112,082, will be funded from facilities and administrative receipts.

Authorization to Increase the Scope of a Capital Improvements Project – North Carolina State University, the University of North Carolina at Chapel Hill, the University of North Carolina at Charlotte, and Western Carolina University

North Carolina State University, the University of North Carolina at Chapel Hill, the University of North Carolina at Charlotte, and Western Carolina University have requested authority to increase the scope of previously approved capital improvements projects.

NCSU – Cox Hall Scale-Up Classrooms: This project, approved in February 2015 by the Board, needs additional funding to renovate office space on the first floor of Cox Hall into two high-technology scale-up classrooms. The project will address mechanical systems and toilet facilities. The increase is being requested to accommodate the expanded AV and technology scope of work for each classroom. Current design documents also indicate increased construction estimates. Original authority was sought prior to design estimates being available. The increase in authorization of $361,902 (from $1,875,000 to $2,236,902) will be funded by residual funds from College of Textiles and Data Center II projects.

NCSU – Energy Performance Contract #4: The original advanced planning funding enabled a study investigating the feasibility of constructing a new cogeneration and thermal storage facility in conjunction with the Centennial Campus Utility Plant. This increase in Advance Planning will provide additional funding that will allow the University to complete the full design of a cogeneration facility to provide energy savings as well as continued expansion of the Centennial Campus Utility Plant. This is an increase in advance planning authorization of $920,488 (from $800,000 to $1,720,488). The project, estimated to cost $17,000,000, will be funded by thermal assessment funds.

NCSU – Hazardous Waste Facility: This project, approved in April 2013 by the Board, needs additional funding due to the original funding only being adequate to award the base bid to erect the structure. The additional funding will allow award of the interior upfit to support the processing of the hazardous materials. The increase in authorization of $100,000 (from $350,000 to $450,000) will be funded by facilities and administrative receipts.

UNC-CH – Aycock Family Medicine Renovation: This project, approved in January 2014 by the Board, needs additional funding to expand and modernize the patient care facility at Family Medicine Center, located in the William B. Aycock Family Medicine Building. This renovation will provide clinical capacity with additional exam rooms, a more efficient and patient-friendly flow, and an ability to secure parts of the facility for more extensive after-hours care. This will allow for the renovation of an additional 27 exam rooms and the installation of the UNCH data network infrastructure system. The increase in authorization of $577,108 (from $3,600,000 to $4,177,108) will be funded by clinical receipts.

UNC-CH – Repairs to Pedestrian Bridges Over Manning Drive: This project, approved in July 2012 by the Board, needs additional funding to address the deficiencies to three pedestrian bridges over Manning Drive between the parking decks and UNC Hospitals and Health Affairs buildings. These deficiencies were identified during inspections required by NCDOT for bridges that span NCDOT-controlled roads. The scope includes repairs to structural steel, concrete and

protective coatings of bridges #670317 (Dental School), #670261 (Center Bridge) and #670318 (Cancer Center). The project incorporates a traffic control plan to manage, direct, and protect pedestrian and vehicular access, including emergency vehicles and public transportation. The increase in authorization of $175,110 (from $323,390 to $498,500) will be funded by clinical services receipts and R&R funds.

UNCC – Residence Dining Hall Renovation: This project will renovate and repurpose RDH, built in 1970, to provide administrative offices for Housing and Residence Life and food service catering functions to serve the campus. Food service previously provided in the Residence Dining Hall (RDH) has moved to the new South Village Dining Hall. A recent study indicates that the building structure is in good condition. The envelope is relatively stable and would benefit from selective repairs such as a new roof and general weatherproofing to support continued long-term use. The project will include the replacement of the mechanical, electrical, and plumbing systems, aesthetic improvements, and a repurposing of the interior for new Housing and Residence Life offices, and a catering kitchen. Proposed renovations would make the building operate more efficiently and include connection to the existing Regional Utility Plant No. 4 (RUP-4). Housing and Residence Life offices will move from their current location in Scott Hall and allow three floors of space to be returned to student use. The increase in authorization of $9,600,000 (from $900,000 to $10,500,000) will be funded by housing and dining receipts and will be completed by March 2017.

WCU – Brown Building Renovation and Addition: This project, approved in August 2014 by the Board, needs additional funding to renovate and provide an addition to Brown Building to increase dining capacity on campus. The project will include site work to incorporate new circulation paths, parking, and utilities. The increase in authorization of $3,266,500 (from $22,510,000 to $25,776,500) will be funded by student fees, and housing and dining receipts.

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

Institution: North Carolina A&T State University

Advance Planning Request: _____
New Capital Project*: X

Increase in Authorization from: $0_____ to _____

Project Title: Morrow Hall Electrical and Rest rooms Upgrade

Project Cost: $1,106,846

Source of Funds: Housing (Self Liquidating 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. Morrow Hall Residence Hall was built in 1960. It is a two story facility that houses 202 students. The proposed project will make the existing restrooms ADA compliant, replacing plumbing pipes that have deteriorated due to age and continual failure, and abate asbestos insulation on the pipes. The project will also replace the existing electrical branch circuits and panels. The existing circuits are grounded via metal raceways. The current code requires a separate ground wire for each circuit. This will require new feeder circuits to be installed. The tiles and fixtures will be replaced at the same time.

2. An estimate of construction, contingency and other related costs (a completed OC-25 form) is attached.

3. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only): August 2015 thru July of 2016 (1st quarter 15%, 2nd quarter 35%, 3rd quarter 35%, 4th quarter 15%).

4. An estimated schedule for the completion of the project: August of 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): No anticipated increase in operation of the facility. The building is currently being maintained by University personnel.

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 project will generate no additional revenues.

7. An explanation of the means of financing: Project funded by Housing Fees

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)

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

DEPARTMENT and DIVISION: North Carolina A&T State University DATE: 04/28/15
PROJECT IDENTIFICATION: Morrow Hall Bathrooma and Electrical Upgrades
PROJECT CITY or LOCATION: Greensboro, NC

PROJECT DESCRIPTION & JUSTIFICATION: Morrow Residence Hall was built in 1960. IT is a two story facility that houses 202 students. The proposed project will make the existing restrooms ADA compliant, replace plumbing pipes that have deteriorated due to age and continual failure, and abate asbestos insulation on the pipes. The project will also replace the existing electrical branch circuits and panels. The existing system is ground via metal raceways. The current code requires a separte ground wire for each circuit, this will require new feeder circuits to be installed. The tile and fixtures will be replaced at the same time.

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$0
B. Site Preparation				
1. Demolition - Bathrooms and electrical	46,227	Sq Ft	$ 3.50	$161,795
2. Site Work	1	LS	$ 5,000.00	$5,000
C. Construction				
1. Utility Services				$0
2. Building Construction (new space)				$0
3. Building Construction (existing) Bathrooms only	11,557	Sq Ft	$ 7.00	$80,899
4. Plumbing	11,557	Sq Ft	$ 22.10	$255,410
5. HVAC (new space)				$0
6. Electrical	46,227	Sq Ft	$ 9.50	$439,157
7. Fire Supression and Alarm Systems	1	LS	$ 14,500.00	$14,500
8. Telephone, Data, Video				$0
9. Associated Construction Costs				$0
10. Other: Asbestos Removal	11,557	Sq Ft	$ 4.28	$49,464
D. Equipment				
1. Fixed				$0
2. Moveable				$0
ESTIMATED CONSTRUCTION COSTS				$1,006,224

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)	$100,622
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	%	(1.25% estimated)	$0
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	$0
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$0
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	$50,311
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$1,106,846

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 Construction Costs x Escalation %)	$0
TOTAL ESTIMATED PROJECT COSTS (Estimated Construction Costs + Escalation Cost Increase)	$1,106,846

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

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

Institution: North Carolina A&T State University Advance Planning Request: ____
New Capital Project*: X

Increase in Authorization from: $0_____ to _____
Project Title: Van Story Residence Hall HVAC Upgrade

Project Cost: $1,154,438

Source of Funds: Housing (Self Liquidating 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: Van Story Residence Hall was built in 1967. It is a three story facility that houses 232 students. The proposed project will renovate the existing HVAC system. The HVAC system consists of fan coil units in each room, which are fed from a central chiller plant located in Benbow Hall. A steam hot water heat exchanger is fed by campus steam. The unit is a two pipe system that distributes cold or hot water depending on the season. The room temperatures are controlled by individual thermostats in each room. The pipes are constantly leaking throughout the facility causing hardships for the students. The pipes and insulation will be replaced throughout the building.

2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (a completed OC-25 form) : An OC-25 form is attached

3. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only): August 2015 thru July of 2016 (1st quarter 15%, 2nd quarter 35%, 3rd quarter 35%, 4th quarter 15%).

4. An estimated schedule for the completion of the project: August of 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): No anticipated increase in operation of the facility. The building is currently being maintained by University personnel.

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 project will generate no additional revenues.

7. An explanation of the means of financing: Project funded by Housing Fees

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 A&T State University DATE: 06/25/15
PROJECT IDENTIFICATION: Van Story Residence Hall HVAC Upgrade
PROJECT CITY or LOCATION: Greensboro, NC

PROJECT DESCRIPTION & JUSTIFICATION: Van Story Residence Hall was built in 1967. It is a three story residence hall that houses 232 students. The proposed project will renovate the existing HVAC system. The HVAC system consists of fan coil units in each room, which are fed from a central chiller plant located in Benbow Hall. A steam how water converter is fed by campus steam. This is a two pipe system that distrubutes cold or hot water depending on the season. The room temperatures are controlled by individual thermostats in each room. The pipes are constantly leaking throughout the facility causing a hardship for the students. The pipes and insulation will be replaced throughout the building.

(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 (of existing pipe)	12,872	Lin Ft	$ 1.39	$17,892
2. Site Work				$0
C. Construction				
1. Utility Services				$0
2. Building Construction (new space)				$0
3. Building Construction (existing)	38,618	Sq Ft	$ 4.00	$154,472
4. Plumbing (existing)				$0
5. HVAC (existing)	38,618	Sq Ft	$ 12.77	$493,152
6. Electrical (existing)	38,618	Sq Ft	$ 7.32	$282,684
7. Fire Supression and Alarm Systems				$0
8. Telephone, Data, Video				$0
9. Associated Construction Costs				$0
10. Other: HVAC Controls	39,618	Sq ft	$ 1.27	$50,315
D. Equipment				
1. Fixed				$0
2. Moveable				$0
ESTIMATED CONSTRUCTION COSTS				$998,515

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)	$99,851
PRECONSTRUCTION COSTS	%	(% of Estimated Construction Costs [1% for CM@Risk])	$0
COMMISSIONING	0.5 %	(0.5% simple; 1.0% moderate; 1.5% complex)	$4,993
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	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	$49,926
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$1,153,284

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 4 months 0.025 % 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 %)	$1,153
TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase)	$1,154,438

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: D.H. Hill Accessibility and Elevator Improvements

Project Cost: $700,000

Source of Funds: Libraries F&A account

*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 north tower elevator is located in the DH Hill Old Bookstacks adjacent to the Erdahl Cloyd Wing with non-aligning floors. All current stops are within the Old Bookstacks. This project will modify the cab and the structural system to carry additional loads of extended elevator service. This change will provide an improved accessible route to access the Erdahl Cloyd Wing with a new elevator stop. The elevator well will be modified to install a new hydraulic jack assembly in addition to upgrading the microprocessor-based signal control system.

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):

	Q1	Q2	Q3	Q4
FY 2016		$11,302	$24,598	$9,150
FY 2017	$225,937	$310,362	$67,599	$51,052

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

   Design start: 12/16/15 Design Complete: 5/15/16
   Construction Start: 7/13/16 Construction Complete: 12/13/16

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):

   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 will be derived from this project.

7. An explanation of the means of financing:

   Libraries F&A funds will finance the 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: North Carolina State University
DATE: 06/11/15
PROJECT IDENTIFICATION: DH Hill Accessibility & Elevator Improvements
PROJECT CITY or LOCATION: Raleigh - North Campus Precinct

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

The existing north tower elevator is located in the DH Hill Old Bookstacks adjacent to the Erdahl Cloyd Wing with non-aligning floors. All current stops are within the Old Bookstacks. This project will modify the cab and the structural system to carry additional loads of extended elevator service. This change will provide an improved accessible route to access the Erdahl Cloyd Wing with a new elevator stop. The elevator well will be modified to install a new hydraulic jack assembly in addition to upgrading the microprocessor-based signal control 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)	1	lump sum	$ 498,245.00	$498,245
4. Plumbing (new & existing space)				$0
5. HVAC (new & existing space)	1	lump sum	$ 56,550.00	$56,550
6. Electrical (existing space)	1	lump sum	$ 33,040.00	$33,040
7. Fire Supression and Alarm Systems (new & existing space)	1	lump sum	$ 4,130.00	$4,130
8. Telephone, Data, Video (new & existing space)				$0
9. Associated Construction Costs	1	lump sum	$ 13,048.00	$13,048
10. Other:				$0
D. Equipment				
1. Fixed				$0
2. Moveable				$0
ESTIMATED CONSTRUCTION COSTS				**$605,013**

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)	$60,501
PRECONSTRUCTION COSTS	0.35 %	(% of Estimated Construction Costs [1% for CM@Risk])	$2,118
COMMISSIONING	%	(0.5% simple; 1.0% moderate; 1.5% complex)	$0
SPECIAL INSPECTIONS/MATERIALS	0.35 %	(1.25% estimated)	$2,118
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	$0
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$0
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New **or** 5% R&R])	$30,251
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$700,000

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

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) **$700,000**

APPROVED BY: _____ TITLE University Architect DATE 6.12.15
(Governing Board or Agency Head)

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: Lake Raleigh Bridge

Project Cost: $500,000

Source of Funds: Centennial Campus 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 designs and constructs a "boardwalk" type bridge to connect the StateView Hotel and Conference Center to the future Town Center (existing Lake Raleigh fishing area). The approximately 450 foot boardwalk spans across the northeast area of Lake Raleigh. The specific location and construction type will be determined during the project. This bridge will be a vital connection for visitors to use while staying at the Hotel and Conference Center to connect to the vast array of retail and restaurant services planned for Town Center, along with other amenities.

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):

	Q1	Q2	Q3	Q4
FY 2016	$4,686	$12,690	$21,671	$18,068
FY 2017	$257,034	$120,960	$37,132	$27,759

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

   Design Start: September 2016 Design Complete: March 2016
   Construction Start: June 2016 Construction Complete: November 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):

   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:

   Centennial Campus Trust Funds will finance the 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: North Carolina State University
DATE: 06/10/15
PROJECT IDENTIFICATION: Lake Raleigh Bridge
PROJECT CITY or LOCATION: Raleigh - Centennial Campus Precinct

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

This project designs and constructs a "boardwalk" type bridge to connect the StateView Hotel to the future Town Center (existing Lake Raleigh fishing area). The approximately 450 foot boarkwalk spans across the northeast area of Lake Raleigh. The specific location and construction type will be determined during the project. This bridge will be a vital connection for visitors to use while staying at the Hotel and Conference Center to connect to the vast array of retail and restaurant services planned for Town Center, along with other amenities Centennial Campus has to offer.

(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	$ 50,000.00	$50,000
C. Construction				
1. Utility Services				$0
2. Building Construction (new space)	450	linear feet	$ 800.00	$360,000
3. Building Construction (existing)				$0
4. Plumbing (new & existing space)				$0
5. HVAC (new & existing space)				$0
6. Electrical (new & existing space)	450	linear feet	$ 10.00	$4,500
7. Fire Supression and Alarm Systems (new & existing space)				$0
8. Telephone, Data, Video (new & existing space)				$0
9. Associated Construction Costs	1	lump sum	$ 19,340.00	$19,340
10. Other:				$0
D. Equipment				
1. Fixed				$0
2. Moveable				$0
ESTIMATED CONSTRUCTION COSTS				**$433,840**

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)	$43,384
PRECONSTRUCTION COSTS	1 %	(% of Estimated Construction Costs [1% for CM@Risk])	$4,338
COMMISSIONING	%	(0.5% simple; 1.0% moderate; 1.5% complex)	$0
SPECIAL INSPECTIONS/MATERIALS	1.25 %	(1.25% estimated)	$5,423
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])	$13,015
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$500,001

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 %**) $0

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) **$500,001**

APPROVED BY: _____ TITLE University Architect DATE 6.12.15
(Governing Board or Agency Head)

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: Murphy Center Locker Room Upgrade

Project Cost: $472,000

Source of Funds: Athletics 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 renovates the team locker room in the Murphy Center with updated flooring, wall finishes, and lockers.

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):

	Q1	Q2	Q3	Q4
FY 2016		$41,044	$135,435	$295,521

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

   Design Start: 9/1/15 Design Complete: 11/1/15
   Construction Start: 12/1/15 Construction Complete: 1/7/16

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):

   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:

   Athletics receipts are financing 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: North Carolina State University
DATE: 06/12/15
PROJECT IDENTIFICATION: Murphy Center Locker Room Upgrades
PROJECT CITY or LOCATION: Raleigh - West Campus Precinct
PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)
This project renovates the team locker room in the Murphy Center with updated flooring, wall finishes, graphics, and lockers.

(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 (existing space)	1	lump sum	$ 135,435.00	$135,435
3. Building Construction (new space)				$0
4. Plumbing (new & existing space)				$0
5. HVAC (new & existing space)				$0
6. Electrical (new & existing space)				$0
7. Fire Supression and Alarm Systems (new & existing space)				$0
8. Telephone, Data, Video (existing space)				$0
9. Associated Construction Costs				$0
10. Other:				$0
D. Equipment				
1. Fixed (lockers)	1	lump sum	$ 275,000.00	$275,000
2. Moveable				$0
ESTIMATED CONSTRUCTION COSTS				**$410,435**

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)	$41,044
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	%	(1.25% estimated)	$0
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	$0
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$0
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New **or** 5% R&R])	$20,522
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$472,000

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 %**) $0

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) **$472,000**

APPROVED BY: _____ TITLE University Architect DATE 6.12.15
(Governing Board or Agency Head)

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: Barbour Drive Realignment

Project Cost: $450,000

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_____ Item ____

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

1. A detailed project description and justification:

   This project will develop a realignment street master plan of Barbour Drive from Bilyeu Street to Blair Drive and implement construction of the northern most section of Barbour with stormwater improvements. Barbour Drive will be developed as a divided two-lane avenue with a median and an All-Campus Path. The existing Barbour Drive will become the northbound lane, while a new southbound lane will be created to the west. The project design includes stormwater, street with curb and gutter, street lighting, street trees, and domestic water line.

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):

	Q1	Q2	Q3	Q4
FY 2016	$345	$11,207	$11,207	$27,241
FY 2017	$26,173	$307,058	$30,450	$33,115
FY 2018	$3,204			

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

   Design Start: 10/1/15 Design Complete: 6/30/16
   Phase 1 Construction Start: 8/31/16 Phase 1 Construction Complete: 11/30/16

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):

   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 will be derived from this project.

7. An explanation of the means of financing:

   Centennial Campus Trust Funds will finance the 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: North Carolina State University
DATE: 06/11/15
PROJECT IDENTIFICATION: Barbour Drive Realignment
PROJECT CITY or LOCATION: Raleigh - Centennial Campus Precinct

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 develop a realignment street master plan of Barbour Drive from Bilyeu St to Blair Drive and implement the northern most section of Barbour with stormwater improvements. Barbour Drive will be developed as a divided two lane avenue with a median and an All Campus Path. The existing Barbour Drive will become the northbound lane. A new southbound lane will be created to the west. The project design includes stormwater, street with curb and gutter, street lighting, street trees, and domestic water line.

(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	460	linear ft	$ 550.00	$253,000
3. Storm Water	1	lump sum	$ 68,664.00	$68,664
C. Construction				
1. Utility Services (domestic water)	1100	linear ft	$ 60.00	$66,000
2. Building Construction (new space)				$0
3. Building Construction (existing)				$0
4. Plumbing (new & existing space)				$0
5. HVAC (new & existing space)				$0
6. Electrical (new & existing space)				$0
7. Fire Supression and Alarm Systems (new & existing space)				$0
8. Telephone, Data, Video (new & existing space)				$0
9. Associated Construction Costs				$0
10. Other:				$0
D. Equipment				
1. Fixed				$0
2. Moveable				$0
ESTIMATED CONSTRUCTION COSTS				**$387,664**

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)	$38,766
PRECONSTRUCTION COSTS	1 %	(% of Estimated Construction Costs [1% for CM@Risk])	$3,877
COMMISSIONING	%	(0.5% simple; 1.0% moderate; 1.5% complex)	$0
SPECIAL INSPECTIONS/MATERIALS	1.25 %	(1.25% estimated)	$4,846
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])	$11,630
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$446,783

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 %**) $3,217

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) **$450,000**

APPROVED BY: _____ TITLE University Architect DATE 6.12.15
(Governing Board or Agency Head)

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*: _____

Increase in Authorization from: $ 0 to $31,450,173

Project Title: Wilson Hall Annex Renovation

Project Cost: $31,450,173

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. Provide detailed description and justification:

This project will be a comprehensive renovation of the 1964 Wilson Hall Annex (100,574 nsf) which is currently occupied by the Department of Biology and houses 11 research-active Principal Investigators, 7 research/teaching laboratories, wind tunnel and vivarium. The renovation will provide a new state-of-the-art laboratory and vivarium facility and address the building envelope, building systems and life safety deficiencies and other deferred maintenance items.

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 form.

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

1Q 2015-16	2Q 2015-16	3Q 2015-16	4Q 2015-16	1Q 2016-17	2Q 2016-17	3Q 2016-17
$ -	$ 300,000	$ 450,000	$ 600,000	$ 780,000	$ 870,000	$ 995,756

4Q 2016-17	1Q2017-18	2Q2017-18	3Q2017-18	4Q2017-18	1Q2018-19	2Q2018-19	3Q2018-19
$ 1,138,007	$ 2,276,014	$ 3,414,021	$ 5,263,282	$ 5,121,031	$ 4,267,526	$ 3,698,522	$ 2,276,014

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

   Begin design: October 2015; complete construction January 2019

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: F&A Funds

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: The University of North Carolina at Chapel Hill DATE: 06/26/15
PROJECT IDENTIFICATION: Wilson Hall Annex Renovation
PROJECT CITY or LOCATION: Chapel Hill, 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 be a comprehensive renovation of the 1964 Wilson Hall Annex (100,574 nsf) which is currently occupied by the Department of Biology and houses 11 research-active Principal Investigators, 7 research/teaching laboratories, wind tunnel and vivarium. The renovation will provide a new state-of-the-art laboratory and vivarium facility and address the building envelope, building systems and life safety deficiencies and other deferred maintenance items.

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$0
B. Site Preparation				
1. Demolition - Sective Demo	1	LUMP	$ 550,000.00	$550,000
2. Site Work	45,000	SF	$ 2.00	$90,000
C. Construction				
1. Utility Services	45,000	SF	$ 19.00	$855,000
2. Building Construction (new space)				$0
3. Building Construction (existing)	60,000	SF	$ 125.00	$7,500,000
4. Plumbing (existing space)	60,000	SF	$ 50.00	$3,000,000
5. HVAC (existing space)	60,000	SF	$ 100.00	$6,000,000
6. Electrical (Includes TV & Radio Studio)	60,000	SF	$ 25.00	$1,500,000
7. Fire Supression and Alarm Systems	60,000	SF	$ 25.00	$1,500,000
8. Telephone, Data, Video				$0
9. Associated Construction Costs				$0
10. Other: University Reserves	1	LUMP	$ 1,500,000.00	$1,500,000
D. Equipment				
1. Fixed	1	LUMP	$ 1,000,000.00	$1,000,000
2. Moveable	1	LUMP	$ 2,000,000.00	$2,000,000
ESTIMATED CONSTRUCTION COSTS				**$25,495,000**

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

DESIGN FEE	9 %	(% of Estimated Construction Costs)	$2,294,550
PRECONSTRUCTION COSTS	1 %	(% of Estimated Construction Costs [1% for CM@Risk])	$254,950
COMMISSIONING	1.5 %	(0.5% simple; 1.0% moderate; 1.5% complex)	$382,425
SPECIAL INSPECTIONS/MATERIALS	1.25 %	(1.25% estimated)	$318,687.50
SUSTAINABILITY	2 %	(3% LEED Gold, 2% LEED Silver)	$509,900
ADVANCE PLANNING	1 %	(% of Estimated Construction Costs)	$254,950
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New **or** 5% R&R])	$1,274,750
ESTIMATED COSTS	(% of Estimated Construction Costs + Contingencies + Design Fee)		$30,785,213

Escalation = percent per month multiplied by number of months

(From Est. Date to mid-point of construction) = 18 months 0.12 % 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 %**) $664,961

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) **$31,450,173**

APPROVED BY: _____ TITLE: Director Facilities Planning DATE 6/26/15
(Governing Board or Agency Head)

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: $__0.00___ to $415,985.00___

Project Title: Eshelman School of Pharmacy Foundation of Patient Care Teaching Space Fitup

Project Cost: $415,985.00

Source of Funds: Facilities and Administrative Costs (F&A) and private sources

*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 intent of this project is to renovate approximately 2,905 square feet of existing unused space into new classroom and clinical simulation teaching spaces suited to the new proposed teaching curriculum for the Eshelman School of Pharmacy. Flexible teaching spaces are needed to increase efficiency and further enhance student learning. Scope of work will include installation of walls, flooring, ceilings as well as electrical, HVAC, fire protection, plumbing systems and finish upgrades.

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):

   3rd Quarter 2015 - $100,000.00 4th Quarter 2015 - $240,000.00

   1st Quarter 2016 - $75,985.00

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

   Begin Construction 8/1/15 and complete by 1/1/16

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):

   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):

   NA

7. An explanation of the means of financing:

   Private funds (endowments)

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION
STATE CONSTRUCTION OFFICE
PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT
BIENNIUM 2015 - 2017

Form OC-25
(Rev 09/14)

DEPARTMENT and DIVISION: Educational Institutions (Universities) DATE: 07/10/15
PROJECT IDENTIFICATION: Beard Hall - Eshelman School of Pharmacy Foundation of Patient Care Teaching Space Fitup
PROJECT CITY or LOCATION: Chapel Hill, North Carolina

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

The intent of the project is to renovate approximately 2,905 square feet of existing unused space into new classroom and clinical simulation teaching spaces suited to the new proposed teaching curriculum for the Eshelman School of Pharmacy. Flexible teaching spaces are needed to increase efficiency and further enhance student learning. Scope of work will include installation of walls, flooring, ceilings as well as electrical, HVAC, fire protection, plumbing systems and finish upgrades.

(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)	2905	SF	$ 70.00	$203,350
4. Plumbing (existing)	2905	SF	$ 9.00	$26,145
5. HVAC (existing)	2905	SF	$ 12.00	$34,860
6. Electrical (Includes TV & Radio Studio)	2905	SF	$ 19.00	$55,195
7. Fire Supression and Alarm Systems	2905	SF	$ 3.50	$10,168
8. Telephone, Data, Video	2905	SF	$ 2.15	$6,246
9. Associated Construction Costs	2905		$ 14.50	$42,123
10. Other:				$0
D. Equipment				
1. Fixed				$0
2. Moveable				$0
ESTIMATED CONSTRUCTION COSTS				**$378,086**

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

DESIGN FEE	5 %	(% of Estimated Construction Costs)	$18,904
PRECONSTRUCTION COSTS	0 %	(% of Estimated Construction Costs [1% for CM@Risk])	$0
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	0 %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$0
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	$18,995
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$415,985

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 2 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

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) **$415,985**

APPROVED BY: _____ TITLE Director Facilities Planning & Design DATE 7/13/15
(Governing Board or Agency Head)

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 $473,520

Project Title: Renovations to Suite 210 Beard Hall

Project Cost: $473,520

Source of Funds: Facilities and Administrative Costs (F&A) and private sources

*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 intent of this project is to renovate approximately 1,600 square feet of existing obsolete laboratory space into new dry research and office spaces suited to the new proposed users for the Eshelman School of Pharmacy. Office spaces are expected to be flexible and able to handle a number of new office and dry research programs and activities required by the faculty. Additional Office space is needed to accommodate growth in staffing at the school. Scope of work will include removal and replacement of all existing walls, flooring, ceilings as well as electrical, HVAC, fire protection, plumbing systems and finish upgrades.

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):

   3rd Quarter 2015 - $25,000.00 4th Quarter 2015 - $250,000.00

   1st Quarter 2016 - $198,520

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

   Begin Construction 2/1/16 and complete by 5/1/16

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):

   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):

   NA

7. An explanation of the means of financing:

   Facilities and Administrative Costs (F&A) and/or private funds

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION
STATE CONSTRUCTION OFFICE
PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT
BIENNIUM 2015 - 2017

Form OC-25
(Rev 09/14)

DEPARTMENT and DIVISION: The University of North Carolina at Chapel Hill DATE: 06/25/15
PROJECT IDENTIFICATION: Renovations to Suite 210 Beard Hall
PROJECT CITY or LOCATION: Chapel Hill, North Carolina
PROJECT DESCRIPTION & JUSTIFICATION:
This project will renovate approximately 1,600 square feet of existing laboratory space into a new dry research and office space for the Eshelman School of Pharmacy.

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$0
B. Site Preparation				
1. Demolition	1600		$ 6.00	$9,600
2. Site Work				$0
C. Construction				
1. Utility Services				$0
2. Building Construction (new space)				$0
3. Building Construction (existing)	1600	SF	$ 80.00	$128,000
4. Plumbing (existing)	1600	SF	$ 4.00	$6,400
5. HVAC (existing)	1600	SF	$ 35.00	$56,000
6. Electrical (includes TV & Radio Studio)	1600	SF	$ 25.00	$40,000
7. Fire Supression and Alarm Systems	1600	SF	$ 6.00	$9,600
8. Telephone, Data, Video	1600	SF	$ 10.00	$16,000
9. Associated Construction Costs				$30,000
10. Other:				$0
D. Equipment				
1. Fixed				
2. Moveable				$99,000
ESTIMATED CONSTRUCTION COSTS				**$394,600**

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

DESIGN FEE	8 %	(% of Estimated Construction Costs)	$31,568
PRECONSTRUCTION COSTS	0 %	(% of Estimated Construction Costs [1% for CM@Risk])	$0
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	1.5 %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$5,919
CONTINGENCIES	10.5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	$41,433
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$473,520

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 2 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

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) **$473,520**

APPROVED BY: _____ TITLE: Director Facilities Planning DATE 6/26/15
(Governing Board or Agency Head)

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 $799,200

Project Title: CURE HIV Laboratory Renovation – Genetic Medicine Building – 2nd Floor

Project Cost: $799,200

Source of Funds: Facilities and Administrative Costs (F&A) and private sources

*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 intent of this project is to renovate approximately 2400 square feet of laboratory space previously used for medicinal chemistry purposes into laboratory space that can accommodate the use of biological work with infectious agents and to house the addition of research staff and a new UNC faculty recruit as part of the new HIV Cure partnership with GSK. The scope of work includes removal of walls to create an enclosed research space along with three additional smaller enclosed research rooms that will handle work with infectious agents that meets EHS guidelines. Additionally, renovation of research space that accommodates molecular biology work and the capacity needed for staff to conduct HIV cure drug discovery work.

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):

   3rd Quarter 2015 - $250,000.00 1st Quarter 2016 - $299,200.00

   4th Quarter 2015 - $250,000.00

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

   Begin Construction 8/10/15 and complete by 4/1/16

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):

   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):

   NA

7. An explanation of the means of financing:

   Facilities and Administrative Costs (F&A) and/or private sources

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION
STATE CONSTRUCTION OFFICE
PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT
BIENNIUM 2015 - 2017

Form OC-25
(Rev 09/14)

DEPARTMENT and DIVISION: The University of North Carolina at Chapel Hill DATE: 06/18/15
PROJECT IDENTIFICATION: CURE HIV Laboratory Renovation - Genetic Medicine Building - 2nd Floor
PROJECT CITY or LOCATION: Chapel Hill, North Carolina

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 approximately 2,400 square feet of laboratory space as part of the CURE HIV research collaboration with GSK. The new space will be designed to allow work with infectious agents and accommodates molecular biology work and staff to conduct drug discovery work.

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$0
B. Site Preparation				
1. Demolition	2400		$ 15.00	$36,000
2. Site Work				$0
C. Construction				
1. Utility Services				$0
2. Building Construction (new space)				$0
3. Building Construction (existing)	2400	SF	$ 40.00	$96,000
4. Plumbing (existing)	2400	SF	$ 25.00	$60,000
5. HVAC (existing)	2400	SF	$ 60.00	$144,000
6. Electrical (Includes TV & Radio Studio)	2400	SF	$ 35.00	$84,000
7. Fire Supression and Alarm Systems	2400	SF	$ 10.00	$24,000
8. Telephone, Data, Video	2400	SF	$ 5.00	$12,000
9. Associated Construction Costs				$90,000
10. Other: _____				$0
D. Equipment				
1. Fixed				$0
2. Moveable				$120,000
ESTIMATED CONSTRUCTION COSTS				**$666,000**

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)	$66,600
PRECONSTRUCTION COSTS	0 %	(% of Estimated Construction Costs [1% for CM@Risk])	$0
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	10 %	(% of Estimated Construction Costs [3% New or 5% R&R])	$66,600
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$799,200

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 0 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

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) **$799,200**

APPROVED BY: _____ TITLE: Director Facilities Planning DATE 6/26/15
(Governing Board or Agency Head)

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: $900,000 to $10,500,000

Project Title: Residence Dining Hall Renovation

Project Cost: $10,500,000

Source of Funds: Housing and Dining Receipts

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code **41426** Item **310**

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

1. A detailed project description and justification:

   Food service previously provided in the Residence Dining Hall (RDH) has moved to the new South Village Dining Hall. This renovation will repurpose RDH, built in 1970, to provide administrative offices for Housing and Residence Life and food service catering functions to serve the campus. Conclusions from a recent study indicate that the building structure is in good condition. The envelope is relatively stable and would benefit from selective repairs such as a new roof and general weatherproofing to support continued long term use. The project will include the replacement of the mechanical, electrical and plumbing systems, aesthetic improvements, and a repurposing of the interior for new Housing and Residence Life offices and a catering kitchen. Proposed renovations would make the building operate more efficiently and includes connection to the existing Regional Utility Plant No. 4 (RUP-4). Housing and Residence Life offices will move from their current location in Scott Hall and allow three floors of space to be returned to student use.

   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):

FY16 QTR 2	$386,810	FY16 QTR 3	$599,305	FY16 QTR 4	$705,555
FY17 QTR 1	$705,555	FY17 QTR 2	$4,480,776	FY17 QTR 3	$3,621,999

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

Design Start	3/1/2015	Construction Start	3/1/2016
Construction Complete	3/1/2017	Occupy	5/1/2017

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):

Fiscal Year 2018	$ 419,670	Fiscal Year 2021	$ 164,497
Fiscal Year 2019	$ 164,497	Fiscal Year 2022	$ 164,497
Fiscal Year 2020	$ 164,497		

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:

   Housing and Dining fund balances (cash on hand).

North Carolina
Department of Administration

Pat McCrory, Governor
Bill Daughtridge, Jr., Secretary

State Construction Office
Gregory A. Driver, PE, Director

OC-25: 201360500543
Proposed Capital Improvement Project
Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: UNC Charlotte
PROJECT IDENTIFICATION: Residence Dining Hall Renovation 2015 Update
PROJECT TYPE: General Bldg.
CLASSIFICATION: Major Renovations

PROJECT DESCRIPTION AND JUSTIFICATION: The Residence Dining Hall (RDH), built in 1970, is being replaced by the new South Village Dining Hall. Conclusions from a recent study indicate that the building structure is in good condition. The envelope is relatively stable and would benefit from selective repairs such as a new roof and general weatherproofing to support continued long term use. The project will include the replacement of the mechanical, electrical and plumbing services, aesthetic improvements, and a repurposing of the interior for new Housing and Residence Life offices and a catering kitchen. Proposed renovations would make the building operate more efficiently and includes connection to the existing Regional Utility Plant No. 4 (RUP‐4). Housing and Residence Life offices will move from their current location in Scott Hall and allow three floors of space to be returned to student use.

ITEM	QTY	UNIT	COST PER UNIT	TOTAL
Project Support	1.0	Lump Sum	$5,000	$5,000
Site Demolition	1.0		$0	$0
Site Work	1.0	Lump Sum	$728,755	$728,755
Utility Services	37795.0	Square Feet	$18.60	$702,987
Building Demolition	37795.0	Square Feet	$3	$113,385
Building Construction	37795.0	Square Feet	$79.59	$3,008,104
Building Plumbing	37795.0	Square Feet	$11.97	$452,406.16
Building HVAC	37795.0	Square Feet	$33.88	$1,280,494.62
Building Electrical	37795.0	Square Feet	$18.50	$699,207.5
Asbestos	37795.0	Square Feet	$2.86	$108,093.7
Elevator	1.0	Lump Sum	$200,000	$200,000
Roofing	37795.0	Square Feet	$10	$377,950
Sprinkler	37795.0	Square Feet	$3	$113,385
Movable Equipment	1.0	Lump Sum	$400,000	$400,000

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

Telephone (919) 807-4100
Fax (919) 807-4110
State Courier #56-02-01

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

ESTIMATED CONSTRUCTION COST: $8,189,768

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

Telephone (919) 807-4100
Fax (919) 807-4110
State Courier #56-02-01

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

CONTINGENCIES	4.9%	(% of Estimated Construction Costs [3% New or 5% R&R])	$401,298
DESIGN FEE	9.7%	(% of Estimated Construction Costs + Contingencies)	$833,333
COMMISSIONING FEE	0.5%	(0.5% simple, 1% moderate, 1.5% complex)	$42,955
ADVANCE PLANNING	1.2%	(includes programming, feasibility, analysis)	$103,092
FIXED OWNER COSTS			$854,656
ESTIMATED COSTS		(Estimated Construction Costs + Contingencies + Design Fee)	$10,425,102

Escalation %= percent per month multiplied by the number of months:
(From Est, Date to mid-point of construction) = 18 months @ 0.04%
ESCALATION COST INCREASE = (Total of Estimated Construction Costs x Escalation %) **$75,060**

TOTAL ESTIMATED PROJECT COSTS (Estimated Construction Costs + Escalation Cost increase) **$10,500,000**

COMMENTS:

1. [2015-05-21 09:52:07] Laurie Mande - Save
2. [2015-05-21 09:51:25] Laurie Mande - Save
3. [2015-05-19 12:21:46] Laurie Mande - Save
4. [2015-05-19 11:47:55] Laurie Mande - Copied from: Residence Dining Hall Renovation 2015

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

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: Case Commons Residence Hall

Project Cost: AP Request $ 1,000,000 (Total Project Cost $15,000,000)

Source of Funds: Athletics Trust Funds will fund the AP Request

*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 constructs a residential facility to house student athletes and the general student population on the Central Campus Precinct. The facility will provide approximately 62 beds, including resident advisors and accessible rooms. This project will move students from off campus housing facilities to a location in close proximity to athletic and academic facilities. The project also includes community space, study rooms, laundry, and a 24-hour desk.

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):

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

   Design Start: February 2016 Design Complete: February 2017
   Construction Start: May 2017 Construction Complete: January 2019

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:

   Athletics Trust Funds will fund the AP Request.

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: 06/10/15
PROJECT IDENTIFICATION: Case Commons Residence Hall
PROJECT CITY or LOCATION: Raleigh - Central Campus Precinct

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

This project constructs a residential facility to house student athletics and the general student population on the Central Campus Precinct. The facility will provide approximately 62 beds, including resident advisors and accessible rooms. This project will move students from off campus housing facilities to a location in close proximity to athletic and academic facilities. The project also includes community space, study rooms, laundry, and a 24-hour desk.

(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	1			$0
B. Site Preparation				
1. Demolition	1	lump sum	$ 115,500.00	$115,500
2. Site Work	1	lump sum	$ 650,300.00	$650,300
C. Construction				
1. Utility Services	1	lump sum	$ 818,179.00	$818,179
2. Building Construction (new space)	28000	sq ft	$ 196.75	$5,509,000
3. Building Construction (existing)				$0
4. Plumbing (new space)	28000	sq ft	$ 20.00	$560,000
5. HVAC (new space)	28000	sq ft	$ 40.00	$1,120,000
6. Electrical (new space)	28000	sq ft	$ 32.00	$896,000
7. Fire Supression and Alarm Systems (new space)	28000	sq ft	$ 7.00	$196,000
8. Telephone, Data, Video (new space)	28000	sq ft	$ 3.50	$98,000
9. Associated Construction Costs	1	lump sum	$ 202,000.00	$202,000
10. Other: Displaced & New Parking	65	spaces	$ 17,500.00	$1,137,500
11. Other: Staged Parking	25	spaces	$ 1,200.00	$30,000
12. Other: Security	1	lump sum	$ 46,000.00	$46,000
D. Equipment				
1. Fixed	1	lump sum	$ 325,000.00	$325,000
2. Moveable	1	lump sum	$ 497,000.00	$497,000
ESTIMATED CONSTRUCTION COSTS				**$12,200,479**

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)	$1,220,048
PRECONSTRUCTION COSTS	1 %	(% of Estimated Construction Costs [1% for CM@Risk])	$122,005
COMMISSIONING	1 %	(0.5% simple; 1.0% moderate; 1.5% complex)	$122,005
SPECIAL INSPECTIONS/MATERIALS	1.25 %	(1.25% estimated)	$152,506
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])	$366,014
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$14,183,057

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 36 months 0.16 % 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 %**) $816,944

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) **$15,000,001**

APPROVED BY: _____ TITLE University Architect DATE 6.10.15
(Governing Board or Agency Head)

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: Centennial Campus Extension of Initiative Way

Project Cost: AP Request $ 150,000 (Total project cost $1,790,000)

Source of Funds: Centennial Campus 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 install approximately 1500 linear feet of new, two-lane asphalt pavement with a concrete curb and gutter from the current end point of Initiative Way at the Oval Drive Storage Lots south to the intersection of Blair Drive and Initiative Way. The project will also include the extension of approximately 328 linear feet of two-lane road with curb and gutter of Blair Drive east to connect with Centennial Parkway. A bridge in the Blair Drive extension is included to preserve a perennial stream on the northeast side of Centennial Campus. The project will require coordination with the US Army Corps of Engineers, the NC Department of Environment and Natural Resources Water Quality, and the Land Quality Division for sedimentation and erosion control work.

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):

   N/A

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

   Design Start: January 2016 Design Complete: July 2016
   Construction Start: August 2016 Construction Complete: April 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):

   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:

   This project will be funded by Centennial Campus Trust Funds.

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: 05/15/15
PROJECT IDENTIFICATION: Centennial Campus Extension of Initiative Way
PROJECT CITY or LOCATION: Raleigh - Centennial Campus Precinct

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

This project includes pavement, curb and gutter, site lighting and landscaping for Iniative Way and Blair Drive.The project will install approximately 1500 Linear Feet of new, two lane asphalt pavement with concrete curb and gutter from the current end point of Iniative Way at the Oval Drive Storage Lots south to the intersection of Blair Drive and Initiative Way. The project will also include the extension of approximately 328 Linear Feet of two lane road with curb and gutter of Blair Drive east to connect with Centennial Parkway. The project will include a bridge in the Blair Drive extension to preserve a perennial stream on the northeast side of Centennial Campus. The project will require coordination with the US Army Corps of Engineers, NC Department of Environment and Natural Resources Water Quality, and also the Land Quality Division for the Sedimentation and Erosion Control work.

(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
2a. Site Work (Iniative Way)	1500	linear feet	$ 650.00	$975,000
2b. Site Work (Blair Drive)	328	linear feet	$ 725.00	$237,800
C. Construction				
1. Utility Services				$0
2. Building Construction (new space)				$0
3. Building Construction (existing)				$0
4. Plumbing (new & existing space)				$0
5. HVAC (new & existing space)				$0
6. Electrical (new)	1	lump sum	$ 120,000.00	$120,000
7. Fire Supression and Alarm Systems (new & existing space)				$0
8. Telephone, Data, Video (new & existing space)				$0
9. Associated Construction Costs	1	lump sum	$ 59,243.00	$59,243
10. Other: Landscaping	1	lump sum	$ 150,000.00	$150,000
D. Equipment				
1. Fixed				$0
2. Moveable				$0
ESTIMATED CONSTRUCTION COSTS				**$1,542,043**

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)	$154,204
PRECONSTRUCTION COSTS	1 %	(% of Estimated Construction Costs [1% for CM@Risk])	$15,420
COMMISSIONING	%	(0.5% simple; 1.0% moderate; 1.5% complex)	$0
SPECIAL INSPECTIONS/MATERIALS	1.25 %	(1.25% estimated)	$19,276
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])	$46,261
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$1,777,205

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 %**) $12,796

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) **$1,790,000**

APPROVED BY: _____ TITLE University Architect DATE 5.15.15
(Governing Board or Agency Head)

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 x

New Capital Project*: ____

Increase in Authorization from: $ 0 to $300,000

Project Title: Davie Hall Replacement

Project Cost: Advance Planning of $300,000 for Estimated $77,112,082 Total Project Cost

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. Provide detailed description and justification: This project will replace the existing Davie Hall and Davie Hall Annex within its existing location. The new facility creates instruction, research, academic/research, support spaces, and a vivarium for a growing Psychology program. The project proposes a net assignable program and gross square footage to 110,500 GSF.

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 form .

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

Advance Planning start: October 2015; Completion date: February 2016

4. An estimated schedule for the completion of the project: Design start: January 2015; Design complete: June 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: F&A Funds

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: Psychology Department DATE: 07/17/15
PROJECT IDENTIFICATION: Davie Hall Replacement
PROJECT CITY or LOCATION: UNC Chapel Hill, Chapel Hill

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 replace the existing Davie Hall and Davie Hall Annex within it's existing location. The new facility creates instructional, research, academic/research, support spaces, and a vivarium for a growing Psychology program. The project proposes a net assignable program and gross square footage to 110,500 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 - 1907 Building - 10,000 GSF	1	LUMP	$ 60,000	$60,000
1a. Demolition - 1967 Selective Demo - 85,000 GSF	1	LUMP	$ 480,000	$480,000
2. Site Work - 200,000	200,000	SF	$ 6	$1,200,000
C. Construction				
1. Utility Services	90,000	SF	$ 8	$720,000
2. Building Construction (new space)	110,500	SF	$ 250	$27,625,000
3. Building Construction (existing)				$0
4. Plumbing (new space)	110,500	SF	$ 18	$1,989,000
5. HVAC (new space)	110,500	SF	$ 45	$4,972,500
6. Electrical (Includes TV & Radio Studio)	110,500	SF	$ 36	$3,978,000
7. Fire Suppression and Alarm Systems	110,500	SF	$ 8	$884,000
8. Telephone, Data, Video	110,500	SF	$ 7	$773,500
9. Associated Construction Costs				$0
10. Other: Project Reserves	1	LUMP	$ 5,976,000	$5,976,000
10a. Other: Swing Space/Lease 90,000 30 months	1	LUMP	$ 6,750,000	$6,750,000
D. Equipment				
1. Fixed: Animal & laboratory facilities	1	LUMP	$ 5,000,000	$5,000,000
2. Moveable: Furniture, Fixture & Equioment	1	LUMP	$ 2,400,000	$2,400,000
ESTIMATED CONSTRUCTION COSTS				**$62,808,000**

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

DESIGN FEE	9 %	(% of Estimated Construction Costs)	$5,652,720
PRECONSTRUCTION COSTS	1 %	(% of Estimated Construction Costs [1% for CM@Risk])	$628,080
COMMISSIONING	1.5 %	(0.5% simple; 1.0% moderate; 1.5% complex)	$942,120
SPECIAL INSPECTIONS/MATERIALS	1.25 %	(1.25% estimated)	$785,100.00
SUSTAINABILITY	0 %	(3% LEED Gold, 2% LEED Silver)	$0
ADVANCE PLANNING	1 %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$628,080
CONTINGENCIES	3 %	(% of Estimated Construction Costs [3% New or 5% R&R])	$1,884,240
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$73,328,340

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 43 months 0.12 % 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 %**)	$3,783,742
TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase)	**$77,112,082**

APPROVED BY: _____ TITLE Director of Facilities Planning & Design DATE 7/17/15
(Governing Board or Agency Head)

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

Institution: NC State University

Advance Planning Request: _____
New Capital Project*: _____

Increase in Authorization from: $ 1,875,000 to $ 2,236,902.

Project Title: Cox Hall Scale-Up Classrooms

Project Cost: $361,902 Increase (Total project $2,236,902 including previously authorized $1,875,000)

Source of Funds: Transfers of residual funds from College of Textiles and Data Center II projects

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code 41424 Item 305

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 on the first floor of Cox Hall into two high-technology SCALE-UP classrooms. The project will address mechanical systems and toilet facilities. The increase is being requested to accommodate the expanded AV and technology scope of work for each classroom. Current design documents also indicate increased construction estimates. Original authority was sought prior to design estimates being available.

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):

	Q1	Q2	Q3	Q4
FY 2015		$ 3,675	$34,243	$36,818
FY 2016	$33,685	$888,567	$1,056,746	$93,588
FY 2017	$89,580			

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

   Design Start: 12/17/14 Design Complete: 7/31/15
   Construction Start: 10/5/15 Construction Complete: 3/3/16

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):

   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:

   Transfer remainder of Carry Forward funding from:

   $ 155,659 from 41224 303 College of Textiles Interior Renovations
   $ 206,243 from 41224 304 Data Center II Utility Redundancy

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: 06/10/15
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 technology classrooms on the first floor and provide schematic designs to renovate the third floor into office and classroom space. The first floor renovation will address mechanical systems and toilet facilities. Project revised to expand AV and technology scope of work for each SCALE-UP technology classroom.

(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 space)	9500	SF	$ 50.80	$482,600
4. Plumbing (existing space)	9500	SF	$ 10.00	$95,000
5. HVAC (existing space)	9500	SF	$ 26.00	$247,000
6. Electrical (existing space)	9500	SF	$ 25.00	$237,500
7. Fire Supression and Alarm Systems (new & existing space)	9500	SF	$ 5.00	$47,500
8. Telephone, Data, Video (existing space)	9500	SF	$ 10.00	$95,000
9. Associated Construction Costs	1	lump sum	$ 26,090.00	$26,090
10. Other: security	1	lump sum	$ 40,000.00	$40,000
11. Other: abatement	9500	SF	$ 5.73	$54,435
D. Equipment				
1. Fixed	1	lump sum	$ 413,390.00	$413,390
2. Moveable	9500	SF	$ 16.00	$152,000
ESTIMATED CONSTRUCTION COSTS				**$1,890,515**

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)	$189,052
PRECONSTRUCTION COSTS	0.25 %	(% of Estimated Construction Costs [1% for CM@Risk])	$4,726
COMMISSIONING	1 %	(0.5% simple; 1.0% moderate; 1.5% complex)	$18,905
SPECIAL INSPECTIONS/MATERIALS	0.75 %	(1.25% estimated)	$14,179
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	$0
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$25,000
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New **or** 5% R&R])	$94,526
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$2,236,903

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 8 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

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) **$2,236,903**

APPROVED BY: _____ TITLE University Architect DATE 6.10.15
(Governing Board or Agency Head)

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: $ 800,000 to $ 1,720,488
Project Title: Energy Performance Contract #4

Project Cost: Increase of $920,488 (Total Project, including previously approved amounts, will be $17,000,000)

Source of Funds: Transfer balance of thermal assessments funds received from R&R and receipt supported projects.

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code 41224 Item 370

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

1. A detailed project description and justification:

   The original AP funding enabled a study investigating the feasibility of constructing a new cogeneration and thermal storage facility in conjunction with the Centennial Campus Utility Plant. This additional funding will allow the University to complete the full design of a cogeneration facility to provide energy savings as well as continued expansion of the Centennial Campus Utility Plant.

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):

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

   Design Start: June 2013 Design Complete: June 2016
   Construction Start: November 2016 Construction Complete: October 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):

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:

   Transfer balance of thermal assessments funds received from R&R and receipt supported projects. Funds currently reside in 41224 306 Central Campus Utility Plant Expansion 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: North Carolina State University DATE: 11/20/14
PROJECT IDENTIFICATION: Campus Infrastructure Improvements and CCUP Addition
PROJECT CITY or LOCATION: Raleigh - Centennial Campus Precinct

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

This project builds a high-bay addition to the existing Centennial Campus Utility Plant (CCUP) boiler wing with structural steel platforms and catwalks to accommodate new equipment: 5.7 MW combustion turbine (CT) with duct burner, heat recovery steam generator (HRSG), No. 2 fuel oil storage tank, and transformers. The project will also convert the existing tank from No.6 fuel oil to No.2 fuel oil and convert the 80,000 PPH boiler from using No.6 fuel oil to using No.2 fuel oil. This will provide capacity to expand thermal infrastructure for future buildings including Engineering Building Oval.

(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	$ 400,000.00	$400,000
C. Construction				
1. Utility Services				$0
2. Building Construction (addition)	5600		$ 227.00	$1,271,200
3. Building Construction (existing)				$0
4. Plumbing (new & existing space)	5600		$ 12.00	$67,200
5. HVAC (new & existing space)	5600		$ 40.00	$224,000
6. Electrical (new space)	5600		$ 20.00	$112,000
7. Fire Supression and Alarm Systems (new & existing space)	5600		$ 7.00	$39,200
8. Telephone, Data, Video (new & existing space)	5600		$ 3.00	$16,800
9. Associated Construction Costs	1	lump sum	$ 186,685.00	$186,685
10. Other:				$0
D. Equipment				
1. Fixed (Electrical)	1	lump sum	$ 5,734,200.00	$5,734,200
1. Fixed (Mechanical)	1	lump sum	$ 6,224,400.00	$6,224,400
2. Moveable				$0
ESTIMATED CONSTRUCTION COSTS				**$14,275,685**

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)	$1,427,569
PRECONSTRUCTION COSTS	1 %	(% of Estimated Construction Costs [1% for CM@Risk])	$142,757
COMMISSIONING	1.5 %	(0.5% simple; 1.0% moderate; 1.5% complex)	$214,135
SPECIAL INSPECTIONS/MATERIALS	0.25 %	(1.25% estimated)	$35,689
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])	$428,271
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$16,524,105

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 24 months 0.12 % 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 %**)	$475,894
TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase)	**$17,000,000**

APPROVED BY: _____ TITLE University Architect DATE 11.20.14
(Governing Board or Agency Head)

STATE CONSTRUCTION OFFICE
WORKSHEET FOR 2007 – 2009

Repair & Renovation ☐
Capital Improvement ☒
(New Construction or Major Renovation)

Name of Department: Capital Project Management

Division or Institution: NC State University

Contact person: Steven R. Bostian Phone No.: 919-515-8059

Project priority: **1** of **1** total projects
Location (County/Nearest Town): Raleigh, NC Email Address: srbostia@ncsu.edu
Brief title: Campus Infrastructure Improvements and CCUP Addition
Total Est. Project Costs: $17,000,000 Date of this Estimate*: 11/20/14

Previously, has an OC-25 been certified for this project? ☐ Yes ☒ No

If so, give OC-25 No.

Description of project: *(include an adequately detailed project description, the need for the project, the extent of work required, whether a new building is required, an addition to an existing building, and/or renovation of an existing building.)* **The project builds a high-bay addition to the existing Centennial Campus Utility Plant (CCUP) boiler wing with structural steel platforms and catwalks to accommodate new equipment: 5.7 MW combustion turbine (CT) with duct burner, heat recovery steam generator (HRSG), No. 2 fuel oil storage tank, and transformers. The project will also convert the existing tank from the No. 6 fuel oil to No. 2 fuel oil and convert the 80,000 PPH boiler from using No. 6 fuel oil to using No. 2 fuel oil. This addition will provide capacity to expand thermal infrastructure for future buildings including Engineering Building Oval.**

Proposed Project Schedule

Estimated date funds will be allocated: **February 2015**

Estimated date of designer selection by State Building Comm. or Bd. of Governors: **4/19/13**

Estimated date for execution of design contract: **4/6/15**

Estimated date for initial design submittal for review: **5/26/15**

Estimated date for submittal of working drawings for review: **10/9/15**

Estimated date for receipt of bids: **2/26/15**

Estimated date for starting construction: **4/22/16**

Estimated date of construction midpoint: **10/22/16**

Estimated date of project completion: **3/20/17**

No. of months from Estimate Date* to construction midpoint: (Escalation period on OC-25) **24**

Specify amount of owner's contingency needed for this project: **3%**

(Justify a contingency above 5% for Repair & Renovation and 3% for New Construction.)

R&R and Capital Improvement (Major Renovation) N/A☒

If this project involves renovation of, or an addition to an existing building, the following information is needed relative to the project(s) involved. (If more than one building is included in the project, duplicate and complete this portion for each building.)
Name of building described below:

☐ Yes ☐ No – Has this project been included in an FCAP report from the State Construction Office? If so, attach a copy of the applicable portions of that report, which indicates the date of the report, recommended work, priority, and the estimated cost.
Original building completion date (year):
☐ Yes ☐ No – Is the building on a Historic Register?
☐ Yes ☐ No – Is the building in a Historic District?
Type of original construction:
Wood ☐ Masonry ☐ Steel ☐ Concrete ☐ Metal Building ☐
Approximate dates and types of previous renovations/additions:
☐ Yes ☐ No – Has there been an asbestos survey of the building?
☐ Yes ☐ No – Is an asbestos containing material (A.C.M.) present?
Is the total quantity of A.C.M. considered major ☐ or minor ☐?
☐ Yes ☐ No – Has there been a lead-based paint survey?
☐ Yes ☐ No – Is lead-based paint present? If so, describe general locations:
☐ Yes ☐ No – Will environmental sustainability and energy use goals be set using a design standard such as the "High Performance Guidelines" or "LEED™"?
Portions of the building to be renovated, if not entire building:
Total square footage of this building: Is this SF net ☐ or gross ☐?
Approximate square footage to be renovated within the building:
☐ Yes ☐ No – Will the roof be repaired/replaced in this project? If not, give date (or estimated date if no records are available) of last major roof repair or replacement:
☐ Yes ☐ No – Does this project include any ADA compliance work?
☐ Yes ☐ No – Does this project include any Department of Insurance items or Life Safety Code Items?
If so, specify items previously reported that would be corrected. (If necessary, attach a copy of the letter which references these items.)

Complete the checklists for each discipline attached with this worksheet. ***(You must indicate N/A if not applicable for the work proposed.)***
Signature of person submitting worksheet: _____ **Date:**

Capital Improvement Projects (New Construction) N/A☐

This project constructs an 5,600 GSF addition to the Centennial Campus Utility Plant (44,859 GSF) built in 2004.

☐ Yes ☒ No – Will this project be constructed on a new undeveloped site? If not, briefly describe the type of development on the site: **currently a gravel parking area**
☐ Yes ☒ No – Is there an existing building(s) which will require removal or demolition? If so, give the approximate square footage: and number of stories:
☐ Yes ☒ No – Are there any existing underground storage tanks? If so, give the approximate size: and number of tanks:

☐ Yes ☒ No – Are there any underground or above ground utility lines that will require relocation? If so, specify type of utility, and whether underground or overhead:
Describe any unusual site conditions (steep slope, rock, wetlands, unsuitable soil, etc.):
☒ Yes ☐ No – Does the site presently have all required utilities for the proposed project? If not, indicate the utilities to be extended to the site:
Complete the checklists for each discipline attached with this worksheet. (Indicate N/A if not applicable for the work proposed.)
Signature of person submitting worksheet: _____ **Date:**

Certification Information Forms

GENERAL — N/A ☐

1. ☐ Yes ☒ No – Has any advanced planning or programming been done? If Yes, please provide a copy of the scope and the cost estimate.
2. ☒ Yes ☐ No – If No, does the schedule include time for the Designer to do a programming phase prior to beginning schematic design?
3. ☒ Yes ☐ No – Will environmental sustainability and energy use goals be set using a design standard such as the "High Performance Guidelines" or "LEED™"?
4. ☒Yes ☐ No – Does the schedule allow for an average 30-30-60 days at each submittal for agency reviews?
5. ☒ Yes ☐ No – Has the Owner allowed for his agency review time if it is not concurrent with other review agencies?
6. ☒ Yes ☐ No – Does the estimated construction time allow for the Owner to move, upfit or install furniture and equipment after the time of completion for the work?
7. ☒ Yes ☐ No – Will building commissioning of major systems be required for this project?
8. How was the cost estimate determined? **Similar Project and Contractor Cost Estimation** (SF basis, similar project, component cost, contractor, designer)

REPAIR & RENOVATION PROJECTS — N/A ☒

1. **Important:** What is the type, age and condition of the roofing over the area being renovated?
2. ☐ Yes ☐ No – Will this project require work of any type to be done on the roof?

ROOFING REPAIR OR REPLACEMENT PROJECTS — N/A ☒

1. ☐ Yes ☐ No – Is the existing roof system under warranty? Expiration date?
2. Is the low slope (flat) ☐ or a steep slope ☐ roof?
3. Is the roof plan basically one level ☐ or multi-levels ☐? Height? (feet ☐ stories☐)
4. Existing system is: BUR☐; Single ply☐; Shingles☐; Slate☐; Wood☐; Metal☐; Other☐
5. What is the estimated age and condition of the existing roofing?
6. ☐ Yes ☐ No – Has there been a roof condition assessment or survey done?
7. Will this be a total replacement ☐, or possibly a recover ☐ of the existing roofing?
8. What is the existing roof deck system? Metal deck ☐; Concrete ☐; Wood ☐.
9. What is the deck's present condition? Unknown ☐; Good ☐; Fair ☐; Poor ☐.
10. ☐ Yes ☐ No – Has the cause and location of the roofing failure been determined?
11. Is there a lot ☐, some ☐, or no ☐ equipment/penetrations on the roof?

12. What additional work is needed other than roofing? (gutters, downspouts, fascia, trim, equipment, painting, etc.?)
13. ☐ Yes ☐ No – Is there any slope in the existing roofing system?
14. Is the slope in the structure ☐, or was tapered insulation used ☐?
15. Will analysis be done regarding potential benefits of the following items? (Check if applicable.)
    - ☐ Incorporation of roof insulation in excess of that required by code
    - ☐ Daylighting
    - ☐ Rainwater collection
    - ☐ Roof surface reflectivity
    - ☐ Life cycle cost
16. What roofing system would you propose as the roofing replacement?

CIVIL/STRUCTURAL

N/A ☐

Repair & Renovation Projects:

1. ☐ Yes ☐ No – Is any of the property within a regulatory floodplain? If so:
2. ☐ Yes ☐ No – Is the Building within the floodplain? **If so:**
3. ☐ Yes ☐ No – Is the finished floor elevation at least 2 feet above the 100-year flood elevation?
4. ☐ Yes ☐ No – Are the proposed renovations valued at greater than 50% of the current market value of the building itself?
5. ☐ Yes ☐ No – Is any associated "development" (grading, paving, etc.) within the floodplain?
6. ☐ Yes ☐ No – Will the proposed project impose significant new loads, such as roof-top HVAC equipment, high density filing systems, operable folding partitions, etc.?
7. ☐ Yes ☐ No – Upon completion of the renovation, will the nature of occupancy result in the building's classification as an "essential" facility as defined by the North Carolina State Building Code? "Essential" facilities include fire, rescue, or police stations, primary communications facilities, surgical or emergency medical facilities in Group I (institutional) complexes, and emergency power generating stations.

New Projects:

1. ☐ Yes ☒ No – Is any portion of the proposed property within a regulatory floodplain?
2. ☐ Yes ☒ No – Is the proposed Building within the floodplain? **If so:**
   ☒ Yes ☐ No – Can the finished floor elevation of the building be established at least 2 feet above the 100-year flood elevation without creating operational difficulties or requiring excessive amounts of fill?
   ☐ Yes ☒ No – Is any associated "development" (grading, paving, etc.) within the floodplain? **If so:**
3. ☐ Yes ☒ No – Does the development encroach upon a regulatory floodway?
4. ☐ Yes ☒ No – Does the development alter the watercourse?
5. ☒ Yes ☐ No – Is the topography of the proposed site suitable for development?
6. ☐ Yes ☒ No – Will significant cut or fill be required?
7. ☒ Yes ☐ No – Does the site possess sufficient space for access drives and parking?
8. ☒ Yes ☐ No – Is any information available regarding subsurface conditions previously encountered on this property or adjacent property?
9. ☐ Yes ☒ No – If a pre-engineered metal building will be used, will the exterior walls be standard corrugated metal cladding or masonry?

HVAC SYSTEMS: (Check if applicable)

N/A ☐

1. Anticipated HVAC system: **Steam Supplied Air Handling Units**
2. ☐ - Complex – Central system (ex.: chiller, boiler, central VAV air handlers)
3. ☒ - Less Complex – Distributed system (ex.: split system heat pumps)
4. ☐ - Simple – (ex.: gas pack, split systems)
5. ☐ - Heat and/or ventilation only
6. ☐ - Other:
7. ☐ Yes ☒ No – Will an HVAC system be demolished and/or replaced?
8. ☐ Yes ☒ No – Will ceiling and light fixtures need to be removed/replaced to allow HVAC renovations?
9. ☐ Yes ☒ No – Will HVAC system repairs or renovations require asbestos abatement?
10. ☐ Yes ☒ No – If work involves replacement of a chiller within a mechanical room, has emergency refrigerant exhaust and other safeties been considered in the cost estimate?
11. ☐ Yes ☒ No – Does the work involve the replacement or installation of underground piping systems? If so, indicate the systems involved and approximate linear feet of piping.
12. ☐ Yes ☒ No – Will targets be established for annual energy use and costs for this building or renovated space?
13. ☐ Yes ☒ No – Will an integrated design approach, including computer modeling, be used to minimize HVAC loads and equipment size through the design of the envelope, lighting, daylighting, insulation and coatings?

PLUMBING SYSTEMS: (Complete if applicable)

N/A ☐

1. How far will underground utilities need to be extended to serve this building? (i.e.: are utilities readily available on site?) Indicate "X" if no extension is required.
2. **X** ft. – Domestic Water
3. **X** ft. – Fire Sprinkler Water (adequate flow and pressure?)
4. **X** ft. – Sanitary Sewer
5. **X** ft. – Storm Drainage
6. **X** ft. – Natural Gas
7. List any special plumbing system required (ex.: compressed air, vacuum, DI water, etc.): **N/A**
8. Are fire sprinklers intended for this facility? ☒ Yes ☐ No – **If so**, continue.
9. What type of system is anticipated? wet ☒, dry pipe ☐, or both ☐.
10. Is a fire pump anticipated? ☐ Yes ☒ No
11. Will the entire building be sprinklered? ☒ Yes ☐ No – If not, what square footage will be sprinklered? ( ) sq.ft.

ELECTRICAL SCOPE OF WORK

N/A ☐

(PROVIDE A NARRATIVE OF THE INTENDED WORK.)

Installation of electrical equipment to support the installation of a 5.7 MW combustion turbine with duct burner and a heat recovery steam generator.

Electrical Checklist – (Considerations for costs when evaluating electrical work.)

1. How far will underground utilities need to be extended to serve this building? (i.e.: are utilities readily available on site?) **0 LF, utilities are already at the site**
2. Check all of the following items that will be included in the scope of this project:
   - ☐ Load study.
   - ☐ Removal of the existing primary distribution system.
   - ☒ New primary system.
   - ☐ Removal of the existing telephone service.
   - ☐ New telephone service and connection to local telephone utility.
   - ☐ Removal of the secondary distribution system.
   - ☐ Installation of the new secondary distribution system.
   - ☒ Indoor lighting.
   - ☒ Outdoor lighting.
   - ☒ Security lighting.
   - ☐ Emergency power source.
   - ☒ New telecommunication systems.
   - ☒ New data system.
   - ☒ Lightning protection system.
   - ☐ Fire pump.
   - ☒ Fire alarm system.
   - ☒ Grounding system.

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

Institution: NC State University

Advance Planning Request: _____
New Capital Project*: _____

Increase in Authorization from: $350,000 to $450,000
Project Title: Hazardous Waste Facility

Project Cost: $100,000 increase (Total project cost $450,000 including previously approved $350,000)

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 41224 Item 317

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

1. A detailed project description and justification:

   This increase in authority is required due to the original funding only being adequate to award the base bid to erect the structure. The additional funding will allow award of the interior upfit to support the processing of the hazardous materials.

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):

	1Q	2Q	3Q	4Q
FY 2013				$608
FY 2014	$3,915	$878		
FY 2015	$900			$339,310
FY 2016	$28,340	$76,049		

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

   Design Start: 4/29/13 Design Complete: 6/19/13
   Construction Start: 4/27/15 Construction Complete: 10/24/15

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 will be derived from this project.

7. An explanation of the means of financing:

   F&A will fund this increase in authority.

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: 04/22/15
PROJECT IDENTIFICATION: Hazardous Waste Facility
PROJECT CITY or LOCATION: Raleigh - Centennial Biomedical Campus

PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)
Construction of 1200 sq ft building for safe storage of flammable liquids, gases, solids, and corrosive chemicals.

(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)	1200	sf	$ 235.00	$282,000
3. Building Construction (existing)				$0
4. Plumbing (new space)	1200	sf	$ 19.00	$22,800
5. HVAC (new space)	1200	sf	$ 45.00	$54,000
6. Electrical	1200	sf	$ 30.00	$36,000
7. Fire Supression and Alarm Systems	1200	sf	$ 10.00	$12,000
8. Telephone, Data, Video				$0
9. Associated Construction Costs	1	lump sum	$ 446.00	$446
10. Other:				$0
D. Equipment				
1. Fixed				$0
2. Moveable				$0
ESTIMATED CONSTRUCTION COSTS				**$407,246**

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

DESIGN FEE	%	(% of Estimated Construction Costs)	$30,537
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	%	(1.25% estimated)	$0
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])	$12,217
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$450,000

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 2 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

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) **$450,000**

APPROVED BY: _____ TITLE UNIV. ARCHITECT DATE 4.22.15
(Governing Board or Agency Head)

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

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

Increase in Authorization from: $3,600,000 to $4,177,108
Project Title: Aycock Family Medicine Renovation

Project Cost $4.177.108

Source of Funds: Clinical Receipts

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code 41222 Item 304

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

1. A detailed project description and justification: The renovation of the Family Medicine Center, located in the William B. Aycock Family Medicine Building will expand and modernize this patient care facility. This renovation will add clinical capacity with additional exam rooms, a more efficient and patient- friendly flow, and an ability to secure parts of the facility for more extensive after-hours care. This project's current funding authorization will be increased by $577,108 to a new total of $4,177,108. This will allow for the renovation of additional 27 exam rooms and the installation of the UNCH data network infrastructure system.

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):

   YTD: $1,737,162 1ST Q 15-16: $243,995 2ND Q 15-16: $853,981

   3RD Q 15-16: $975,978 4TH Q 15-16: $365,992

4. An estimated schedule for the completion of the project: Project underway with completion estimated 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): 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): na

7. An explanation of the means of financing: Clinical 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: The University of North Carolina at Chapel Hill DATE: 06/26/15
PROJECT IDENTIFICATION: Aycock Family Medicine Center Renovation
PROJECT CITY or LOCATION: Chapel Hill, NC

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

The renovation of the Family Medicine Center, located in the William B. Aycock Family Medicine Building will expand and modernize this patient care facilities. This renovation will add clinical capacity with additional exam rooms, a more efficient and patient- friendly flow, and an ability to secure parts of the facility for more extensive after-hours care.
This project's current funding authorization will be increased by $577,108 to a new total of $4,177,108. This will allow for the renovation of additional 27 exam rooms and the installation of the UNCH data network infrastructure 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	1	LS	$ 120,610.00	$120,610
C. Construction				
1. Utility Services				$0
2. Building Construction (new space)				$0
3. Building Construction (existing)	26,800	SF	$ 36.64	$981,952
4. Plumbing (new space)	26,800	SF	$ 8.94	$239,592
5. HVAC (new space)	26,800	SF	$ 26.49	$709,932
6. Electrical (Includes TV & Radio Studio)	26,800	SF	$ 16.85	$451,580
7. Fire Supression and Alarm Systems	26,800	SF	$ 4.43	$118,724
8. Telephone, Data, Video	26,800	SF	$ 4.39	$117,652
9. Associated Construction Costs	1	LS	$ 127,008.00	$127,008
10. Other: Owner Reserve	1	LS	$ 363,677.00	$363,677
D. Equipment				
1. Fixed	1	LS	$ 2,000.00	$2,000
2. Moveable	1	LS	$ 334,000.00	$334,000
ESTIMATED CONSTRUCTION COSTS				**$3,566,727**

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)	$356,673
PRECONSTRUCTION COSTS	%	(% of Estimated Construction Costs [1% for CM@Risk])	$0
COMMISSIONING	1 %	(0.5% simple; 1.0% moderate; 1.5% complex)	$35,667
SPECIAL INSPECTIONS/MATERIALS	1.3 %	(1.25% estimated)	$0
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	$0
ADVANCE PLANNING	2 %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$71,335
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New **or** 5% R&R])	$178,336
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$4,030,402

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 14 months 0.26 % 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 %**) $146,707

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) **$4,177,108**

APPROVED BY: _____ TITLE: Director Facilities Planning DATE 6/26/15
(Governing Board or Agency Head)

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*: _____

Increase in Authorization from: $ 323,390 to $498.500

Project Title: Repairs to Pedestrian Bridges Over Manning Drive

Project Cost: $498,500

Source of Funds: State R&R Funds and Hospital Nongeneral Fund Revenue

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code 41223 Item 326

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

1. Provide detailed description and justification:

This project will address the deficiencies to three pedestrian bridges over Manning Drive between the parking decks and UNC Hospitals and Health Affairs buildings. These deficiencies were identified during inspections that are required by NCDOT for bridges that span NCDOT controlled roads. The scope includes repairs to structural steel, concrete and protective coatings of bridges #670317 (Dental School), #670261 (Center Bridge) and #670318 (Cancer Center). The project incorporates a traffic control plan to manage, direct and protect pedestrian and vehicular access, including emergency vehicles and public transportation. This project's current funding authorization will be increased by $175,010 to a new total of $498,500. Additional funding is required to cover the cost of construction which is limited to evenings and weekends.

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 form .

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

YTD: $25,030 1st Qtr 2015-16: 150,000 2nd Qtr 2015-16: 200,000 3rd Qtr 2015-16: 123,470

4. An estimated schedule for the completion of the project: 12/15/2015

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):

   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: State R&R Funds and Hospital Nongeneral Fund Revenue

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: The University of North Carolina at Chapel Hill DATE: 06.25.2015
PROJECT IDENTIFICATION: Repairs to Pedestrian Bridges Over Manning Drive
PROJECT CITY or LOCATION: Chapel Hill, 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 address the deficiencies to three pedestrian bridges over Manning Drive between the parking decks and UNC Hospitals and Health Affairs buildings. These deficiencies were identified during inspections that are required by NCDOT for bridges that span NCDOT controlled roads. The scope includes repairs to structural steel, concrete and protective coatings of bridges #670317 (Dental School), #670261 (Center Bridge) and #670318 (Cancer Center). The project incorporates a traffic control plan to manage, direct and protect pedestrian and vehicular access, including emergency vehicles and public transportation.

This project's current funding authorization ($323,490) will be increased by $175,010 to a new total of $498,500. Additional funding is required to cover the cost of construction which is limited to evenings and weekends.

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. Repair Bridge #670317	1	ea	$ 179,434	$179,434
2. Repair Bridge #670261	1	ea	$ 140,901	$140,901
3. Repair Bridge #670318	1	ea	$ 123,644	$123,644
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				$0
9. Associated Construction Costs				$0
10. Other:				$0
D. Equipment				
1. Fixed				$0
2. Moveable				$0
ESTIMATED CONSTRUCTION COSTS				**$443,979**

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

DESIGN FEE	10.3 %	(% of Estimated Construction Costs)	$45,708
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	%	(1.25% estimated)	$0.00
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	$0
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$0
CONTINGENCIES	2.0 %	(% of Estimated Construction Costs [3% New **or** 5% R&R])	$8,813
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$498,500

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) **$498,500**

APPROVED BY: _____ TITLE : Director Facilities Planning DATE 6/26/15
(Governing Board or Agency Head)

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

Institution: Western Carolina University

Advance Planning Request: ____
New Capital Project*: X

Increase in Authorization from: $22,510,000 to $25,776,500

Project Title: Brown Building Renovation and Addition

Project Cost: See OC-25 attached

Source of Funds: Debt supported by Student Fees and Housing/Dining Revenues + Dining Reserves

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code 41329 Item 302

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

1. A detailed project description and justification:

   Project is to renovate and provide an addition to Brown Building to increase dining capacity on campus. Project will include site work to incorporate new circulation paths, parking and utilities.

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

   Original OC-25 is included ($22,510,249), which contained an error in the spreadsheet that excluded contingency costs (see handwritten citations on attached OC-25). This error accounts for about $1 million of the requested increase. The remainder of the requested increase can be accounted for in higher costs for site work than provided in the original formula and in an increase in the square footage planned after going through advance planning. This is a result of the use of a low estimator of the required additional space in the original formula.

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

   FY16-1 - $2 million *FY16-2 - $4 million* *FY16-3 - $6 million* *FY16-4 - $6 million*

   FY17-1 - $6 million *FY17-2 - $1.5 million*

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

   This project is in the final stages of design and is expected to begin construction in the Fall of 2015, with expected completion in the Spring of 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):

   Operating costs will be funded from Dining Receipts.

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):

   Total revenues from food sales expected to be generated in the dining program through this facility are about $6 million per year. From these revenues, of course, the cost of labor, food, operations, equipment, supplies, services, maintenance, overhead, etc must be paid.

7. An explanation of the means of financing: *This project will be financed with (a) debt of up to $22.5 million as approved by the Legislature in Session Law 2014-60, House Bill 1182 and by the Board of Governors in their February 2015 meeting, serviced by a dining facility fee and from dining contract revenues; and (b) for the remainder of project costs by cash reserves from Dining Operations.*

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)

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

DEPARTMENT and DIVISION: _____ DATE: 07/08/15

PROJECT IDENTIFICATION: Brown Building Addition & Renovation

PROJECT CITY or LOCATION: _____

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

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$0
B. Site Preparation				
1. Demolition & HAZMAT	33388		$ 16.62	$554,909
2. Site Work	1	1	$ 2,982,342.00	$2,982,342
C. Construction				
1. Utility Services	1	1	$ 1,100,000.00	$1,100,000
2. Building Construction (new space)	29342		$ 204.93	$6,013,056
3. Building Construction (existing)	33388		$ 164.73	$5,500,005
4. Plumbing (new space)	29342		$ 20.63	$605,325
5. HVAC (new space)	29342		$ 36.63	$1,074,797
6. Electrical	29342		$ 29.93	$878,206
7. Fire Supression and Alarm Systems	62730		$ 5.06	$317,414
8. Telephone, Data, Video	62730		$ 3.37	$211,400
9. Associated Construction Costs	1			$0
10. Other: General Conditions				$1,338,894
D. Equipment				
1. Fixed	1		$ 1,300,000.00	$1,300,000
2. Moveable	1			
ESTIMATED CONSTRUCTION COSTS				$21,876,349

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

DESIGN FEE	11 %	(% of Estimated Construction Costs)	$2,504,600
PRECONSTRUCTION COSTS	0.4 %	(% of Estimated Construction Costs [1% for CM@Risk])	$93,013
COMMISSIONING	0.6 %	(0.5% simple; 1.0% moderate; 1.5% complex)	$139,652
SPECIAL INSPECTIONS/MATERIALS	0.5 %	(.5% estimated)	$125,000
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	$0
ADVANCE PLANNING	0.5 %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$162,826
CONTINGENCIES	4 %	(% of Estimated Construction Costs [3% New or 5% R&R])	$875,054
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$25,776,494

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 0 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 Construction Costs x Escalation %) $0

TOTAL ESTIMATED PROJECT COSTS (Estimated Construction Costs + Escalation Cost Increase) $25,776,494

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