<u>Authorization of Capital Improvement Projects – North Carolina Central University, North Carolina State University, the University of North Carolina at Chapel Hill, the University of North Carolina at Charlotte, the University of North Carolina at Wilmington, and Western Carolina University</u>

North Carolina Central University, North Carolina State University, the University of North Carolina at Chapel Hill, the University of North Carolina at Charlotte, the University of North Carolina at Wilmington, and Western Carolina University have requested authority to establish the following new capital improvements projects.

NCCU – Shepard Library – Academic Improvements for Learning and Technology – Phase 1: This project is the first of a multi-phase project that will transform the first floor of the James E. Shepard Library and begin the work on the second floor. Infrastructure renovation, HVAC, electrical as well as enhanced technology and services are included. The project, estimated to cost \$869,800, will be funded by Title III funds, and will be completed by September 2015.

NCSU – CC Thermal Utilities and Infrastructure (CTI, COT and MRC) – Phase 1: This first phase of construction will supply chilled water to the Center for Technology and Innovation. Overall, this project will advance the Centennial Campus Utilities Master Plan to extend central thermal utilities to Montieth Research Center (MRC), College of Textiles (COT), and Center for Technology and Innovation (CTI). Currently, MRC and COT have their original stand-alone thermal plants consisting of six chillers for a total of 3,400 tons and five steam boilers with a capacity 1,900 Boiler Horsepower. CTI is a new building that will require central utilities for similar needs. The project, estimated to cost \$1,350,000, including previously approved advance planning authority of \$700,000, will be funded by trust funds and will be completed by September 2015.

NCSU – Tucker Hall Renovation: This project replaces 8,357 square feet of corridor and study area carpet in Tucker Hall, a four-story 68,780 gross square-foot building constructed in 1947. For each of the 189 resident rooms, the project will replace the in-room sink with a new fixture, paint the room, and replace the bedroom doors and locks. The sink replacement will require minor wall repair, new plumbing line installation, and abatement work at the sink area. The project, estimated to cost \$1,405,000, will be funded by housing receipts, and will be completed by August 2016.

<u>NCSU – Bragaw Window Replacement</u>: This project provides exterior window replacement, security screen installation and exterior painting at Bragaw Residence Hall. Minor asbestos abatement at windows is also included in the project. This five-story 161,302 gross square-foot building was constructed in 1958. The project, estimated to cost \$1,535,000, will be funded by housing receipts and will be completed by August 2016.

NCSU – CVM Finger Barn #2: This project renovates 2,045 square feet of space in Finger Barn #2, a one-story building, constructed in 1983 to service the swine-based regenerative medicine program. The renovation creates a surgery suite and renovates the housing areas to

accommodate swine. The project, estimated to cost \$400,000, will be funded by a grant and will be completed by March 2016.

<u>NCSU – CVM 3B Lab Renovation</u>: This project renovates the College of Veterinary Medicine Main Building Research Lab module 3B, to accommodate discipline clustering in a more open and flexible layout. Renovations include wet lab renovation and write-up computational support areas with finish, building system, and casework upgrades. The project, estimated to cost \$2,500,000, will be funded by trust funds and will be completed by December 2016.

NCSU – CALS Animal Health Research Building Addition: This project will construct an addition to the Animal Health Research Building to accommodate piglet research support. The facility will have approximately 1,280 square feet of conditioned space and 905 square feet of unconditioned space. The building will house feed mix/storage, cage wash/storage, necropsy area, sample preparatory and laundry functions. The project, estimated to cost \$212,000, will be funded by facilities and administrative receipts and will be completed by February 2016.

<u>UNC-CH – McGavran Greenburg Animal Facility Improvements</u>: This project will renovate the animal cage wash facility in McGavran Greenberg building. A new cage washer and new animal isolation cubicles will also be installed as part of this project. The project, estimated to cost \$1,949,968, will be funded by a grant and facilities and administrative receipts and will be completed by December 2016.

<u>UNC-CH – Lineberger Laboratory Renovations</u>: This project will renovate various laboratory spaces throughout the Lineberger Cancer Center. New floors, ceilings, lighting, and laboratory casework will be installed and utilities relocated to the new casework locations. Lighting will be upgraded to LED fixtures and HVAC airflows will be adjusted to comply with new energy efficiency standards. In a number of cases, smaller 200 square-foot and 400 square-foot laboratories will be combined to 600 square feet or larger laboratories to enhance work flow and communication between researchers. The project, estimated to cost \$495,000, will be funded by trust funds, and will be completed by December 2015.

<u>UNC-CH – Hooker Fields Improvements</u>: This project will replace the existing synthetic turf and field lights with new synthetic turf and a high-efficiency lighting system. The field will be reconfigured to meet regulations and to provide a safe playing area for the Campus Recreation program. The project, estimated to cost \$1,990,098, will be funded by student fees, and will be completed by August 2016.

<u>UNCC</u> – Student Activity Center Fitness Center Renovation: This project will include removing a fixed office in the center of the space and installing new ceiling and lighting, along with HVAC modifications, and renewal of the main entrance to the space. Minor renovation to the HVAC system in an adjacent space and some changes to locker and partition placement in the adjacent locker rooms are also included in the project. The project, estimated to cost \$489,650, will be funded by student recreation fees, and will be completed by September 2015.

<u>UNCC – Cone Center Food Service Renovation</u>: This project renovates the existing Bojangles and Panda Express food service venues in the Mainstreet Market area of the Cone University Center at UNC Charlotte. Both areas will be renovated into a new expanded Panda Express.

The project, estimated to cost \$491,800, will be funded by dining receipts, and will be completed by August 2015.

<u>UNCW – Data Network Modernization Wi-Fi Project</u>: This project will address the access layer of failing data network. Nearly 90% of components are past end of life/support. The old equipment cannot support needed security and management features. This project modernizes the access layer and replaces all outdated network switches and upgrades/expands wireless access to meet current needs. The project, estimated to cost \$7,000,000, will be funded by housing receipts, Netcom receipts, educational and technology fees, and university reserves, and will be completed by August 2016.

<u>WCU – Hinds University Center Roof Replacement</u>: This project will replace the existing roof at Hinds University Center. The roofing membrane is deteriorating quickly, and will need to be replaced to ensure the building envelope integrity. The roofing membrane is compromised in several areas, with longitudinal cracks forming in the membrane, as well as several areas of the membrane being absent, leaving the underlying scrim exposed to the elements. The new proposed roof is a single ply membrane with a 20-year warranty, and associated waterproofing and flashing details will be reviewed and designed accordingly. The project, estimated to cost \$593,616, will be funded by university center reserves, and will be completed by August 2016.

WCU – Lot 73 Parking Expansion: This project will expand the parking area at Lot 73. The faculty apartment buildings are slated for demolition as part of the 2014 Campus Master Plan. Built in 1974, the apartment buildings require several costly life cycle upgrades, including significant accessibility upgrades. The site will be repurposed as a parking area, in order to capture the campus parking need, as well as address transportation efficiencies. The proposed parking lot is considered part of a larger effort to consolidate and relocate internal campus parking towards campus edges, and will accommodate approximately 546 spaces. The project, estimated to cost \$2,552,151, will be funded by parking receipts, and will be completed by July 2016.

<u>Authorization for Advance Planning of New Capital Improvements Project – North Carolina State University, the University of North Carolina at Charlotte, and the University of North Carolina at Greensboro</u>

North Carolina State University, the University of North Carolina at Charlotte, and the University of North Carolina at Greensboro have requested authority to establish advance planning of the following projects.

NCSU – Facility Operations and Grounds Management Support Facility: This project will construct 33,000 gross square feet of service, shop, and warehouse facilities to support existing buildings and grounds and projected growth on the Centennial Campus Precinct. Departments operating from the facility will include Building Maintenance and Operations, Repair and Renovation, Housekeeping, Grounds Management, Landscape Construction Services, and Business Services. This project will also construct a service yard consisting of bins and structures to support 14,000 gross square feet of unconditioned storage space. This advance

planning authorization will utilize \$500,000. The project, estimated to cost \$10,000,000, will be funded from facilities and administrative receipts.

<u>UNCC</u> – Health and Wellness Center: This project will address the significant shortage of student health and wellness space. A recent study by Brailsford and Dunleavy showed the campus has only 20% of the average square footage of its peer institutions and less than 1/3 of the peer average for weight and aerobic training area. Studies also show that students who exercise regularly have better physical and mental health as well as greater academic success. The new student Health and Wellness Center will be a 160,000 square-foot facility located near the Student Union. It will include aerobic and weight training rooms, group fitness spaces, multipurpose courts, recreational aquatic facilities, locker rooms, student meeting space, and space for administration of the intramural and recreation programs. This advance planning authorization will utilize \$6,600,000. The project, estimated to cost \$66,000,000, will be funded from student fees.

<u>UNCG – Cone Residence Hall Renovation</u>: This project will provide a comprehensive renovation of an existing nine-story residence hall to include all finishes, group bathrooms, and the mechanical, electrical, and fire protection systems in the building. This advance planning authorization will utilize \$1,164,300. The project, estimated to cost \$11,643,000, will be funded from housing receipts.

<u>Authorization to Increase the Scope of a Capital Improvements Project – East Carolina University and North Carolina State University</u>

East Carolina University and North Carolina State University have requested authority to increase the scope of previously approved capital improvements projects.

<u>ECU – Aycock Basement and Exterior Accessibility Improvements</u>: This project, approved in September 2014 by the Board, needs additional funding to renovate 6,000 square feet of unused basement area to create a new student activity space, exterior lighting revisions to improve student safety as well as significant site work to improve ADA accessibility to the building. The increase in authorization of \$1,256,100 (from \$1,705,000 to \$2,961,100) will be funded by housing receipts.

<u>NCSU – Centennial Campus Reuse Water</u>: This project, approved in February 2014 by the Board, needs additional funding to allow for both the first and second phases of the project to be awarded. This project will extend the reuse water line from the pumping station near Achievement Drive to the Centennial Campus Utility Plant (CCUP) by way of Main Campus Drive. The line is an extension of an existing line and is being installed to improve NCSU's existing central utility plant operation and underground infrastructure. The increase in authorization of \$620,000 (from \$1,200,000 to \$1,820,000) will be funded by carry-forward.

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

Institution:	East Carolina University	Advance Planning Request:
	tation from: \$1,705,000 to \$2,961,100 ck Basement and Exterior Accessibility Improvements	New Capital Project*: X
Project Cost: \$ 2,96	51,100	
Source of Funds: He	ousing Receipts	

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

1. A detailed project description and justification:

Current approved funding authority for this capital project is \$1,705,000. The scope includes renovation of 6,000 square feet of unused basement area to create a new student activity space, exterior lighting revisions to improve student safety as well as significant site work to improve ADA accessibility to the building. The project was scheduled to be constructed in the summer of 2015.

Bids were received on March 17, 2015 with the low bid being substantially above the available project funding. As such, the bids were rejected and construction for the summer of 2015 was cancelled.

The project scope has since been revised to include the original work and other needed renovations. These other needed renovations include improvements to the ground floor south entrance to include an entrance vestibule, replacement of exterior windows at the courtyard, electrical revisions to the laundry area to convert dryers from natural gas to electric and renovations on the first floor to convert office space to student lounge/study areas and informal gathering spaces. Construction has been rescheduled to take place in the summer of 2016 with the construction time increased as well. We believe this will attract more competition in the bidding process.

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

Design	\$ 306,500
Site Improvements	\$ 480,000
Renovations	\$1,972,000
Contingency	\$ 122,600
Special Inspections	
and Materials	\$ 80,000
Total	\$2,961,100

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

<sup>\*</sup>If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code 41436 Item 302

FY 2015-16	Q1 Q2	۶ \$	
FY 2015-16	Q1	ċ	1,420,000
FY 2015-16	Q4	\$	850,000
FY 2015-16	Q3	\$	100,000
FY 2015-16	Q2	\$	50,000
FY 2015-16	Q1	\$	50,000
FY 2014-15	Q4	\$	200,000

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

Construction to begin May 2016 and complete approximately September 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 change in operating cost.

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

No change in revenue derived from this project.

7. An explanation of the means of financing:

Housing receipts

# STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE

Form OC-25 (Rev 09/14)

DATE: 04/10/15

PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT BIENNIUM 2015 - 2017

East Carolina University

DEPARTMENT and DIVISION:

PROJECT IDENTIFICATION: Aycock Basement and Exterior Accessibility Improvements  PROJECT CITY or LOCATION: Greenville, NC							
PROJECT CITY or LOCATION:							
PROJECT DESCRIPTION & JUSTIFICATION	N: (Attach add'l data as necessary to in	ndicate need, size, fur	nction of improv	ements as v	vell as a master <sub>l</sub>	plan.)	
Renovation of 6,000 square feet of unused by space to create student lounge/study areas addition of an exterior entry vestibule and air as well.	as well as informal gathering spa	aces. Exterior site	ework to imp	rove ADA	accessibility	to the dormitory,	
(D. C. '') /	and the constant of the form						
(Definitions/explanations are provided on pg 2 to CURRENT ESTIMATED CONSTRUCTION		OTY ·	UNIT	COST	PER UNIT	TOTAL	
A. Land Requirement	0031		OIVII	500.	I LIV OIVII	\$0	
B. Site Preparation				1	ı		
1. Demolition		1	lot	\$	42,000	\$42,000	
<ol><li>Site Work (utility rerouting, grading preparation, irrigation, landscaping)</li></ol>	ng, drainage, subgrade	1	lot	\$	247,000	\$247,000	
C. Construction							
Utility Services	`					\$0	
<ol> <li>Building Construction (new space)</li> <li>Building Construction (existing-f</li> </ol>		6000	SF	\$	255	\$0 \$1,530,000	
4. Plumbing (new space)	leavy renovation)	0000	31	φ	200	\$1,330,000	
5. HVAC (new space)						\$0	
6. Electrical (Includes TV & Radio						\$0	
7. Fire Suppression and Alarm Sys	tems	(000	05		40	\$0	
8. Telephone, Data, Video	conquetions 1st floor)	2000	SF SF	\$ \$	12 200	\$72,000 \$400,000	
	ncl foundations, brick pavers,	1	lot	\$	155,000	\$155,000	
D. Equipment							
1. Fixed						\$0	
2. Moveable						\$0	
ESTIMATED CONSTRUCTION COSTS						\$2,446,000	
Items below may be calculated by percentage or lur	np sum. If using lump sum, make ent	ry in \$ field.					
DESIGN FEE	12.5 % (% of Estima	ated Construction (	`acta)		Ī	\$305,750	
PRECONSTRUCTION COSTS		ited Construction C		CM@Risk	1)	\$0	
COMMISSIONING		e; 1.0% moderate;			'	\$0	
SPECIAL INSPECTIONS/MATERIALS	\$87,000				•		
TESTING/GEOTECHNICAL	allowance % (1.25% estin % (3% LFFD G	,			•	\$87,000	
SUSTAINABILITY	(***	Sold, 2% LEED Silv				\$0	
ADVANCE PLANNING	Includes pro 5 % (% of Estima	rogramming, feasibility, analysis mated Construction Costs) \$122,300					
CONTINGENCIES	% (% of Estima	ated Construction C	Costs [3% Ne	w <b>or</b> 5% R	&R])	\$0	
ESTIMATED COSTS (% of Estimated Co Escalation = percent per month multiplied by	nstruction Costs + Contingencies +	Design Fee)				\$2,961,050	
(From Est. Date to mid-point of construction) = General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35	1	2 months s = .18%	0	% per m	onth		
Hoolth Didge O. E. mar. 1997 J. 11 The Co.	00 240/ 10 22 200/ 04 25	220/. 27 47	240/. 40 /0	200/			
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m ESCALATION COST INCREASE (Total of E		= .33%; 36-47 mos = .	36%; 48-60 mo:	S = .38%	[	\$0	
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Escalation Cost In	ncrease)			ſ	\$2,961,100	
					ļ	(rounded)	
APPROVED BY: <u>John G. Fields, PE</u>		TITLE: Director Fa Services-Capital F		_	<u>itectural</u>	DATE : April 10, 2015	

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

Institution:	North Carolina Central University	Advance Planning Request: N/A
Ingrass in Autho	orization from \$ to \$	New Capital Project*: Yes
	orization from: \$ to \$	
Project Title: She	epard Library – Academic Improvements for Learning	and Technology
Project Cost: \$86	50 900 00	
Floject Cost. 300	J9,800.00	
Source of Funds:	Title III	
*If this project ha	as previously had advance planning authority, please ic	dentify code/item number under which that
		dentity code/item number under which that
authority is carrie	ed. Code Item	

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

**1.** A detailed project description and justification: The James E. Shepard Memorial Library was built in 1951. In 2006, the facility was renovated for mold removal, asbestos abatement and some infrastructure and technology enhancements. While these enhancements provided some wireless and technology improvements, they are not sufficient to meet the ever-evolving technology needs or collaborative learning requirements of today's students.

This proposal is Phase I of a multi-phase project that transforms the 1<sup>st</sup> floor of the James E. Shepard Library and begins the work on the 2<sup>nd</sup> floor. In this first phase, infrastructure renovation, as well as enhanced technology and services are included. The infrastructure and renovation include much needed creation of new collaborative work spaces, construction of a central service point for technology and library services, reconfiguration of space and services, adding power and data, upgrading HVAC, upgrading plumbing, replacing ceiling tiles, replacing flooring and painting where needed. The technology improvements include collaborative spaces, individual work spaces, group work tools, media and specialized technology and computer desks/chairs. The existing Heating, Ventilating and Air Conditioning (HVAC) System can't meet the needs of the increased use and technology. Electrical, information technology and telecommunications systems are insufficient and need enhancements. Lighting needs to be upgraded with more efficient fixtures. Computer workstations and furnishings do not allow for collaboration needs of today's students.

The current functions of the James E. Shepard Library 1<sup>st</sup> Floor will be relocated to other areas within the facility, and student services will not be impacted during the renovation.

### Justification for the Proposed Changes

Major portions of this building have been left un-renovated due to the University' focus on and priority of upgrading academic facilities, with the limited repair and renovation funding received from state appropriations. As a result of this, many conditions within this facility have festered, not out of neglect, but out of a lack of resources. While the physical needs are apparent, the overarching and more compelling needs for the renovations are based on the University's need to fulfill the goals of its Strategic Plan among which the following are included:

- Promote the use of integrated information technology in academic and administrative functions.
- Ensure that appropriate facilities are available in requisite quality and quantity.
- Implement a University-wide Continuous Improvement Process to promote efficiency and effectiveness.

Accordingly, the purpose of the renovations to the Shepard Library is to create the optimum environment for collaboration, efficiency, effectiveness, comfort and safety in order that the University's mission of educating students can be sustained and enhanced.

- **2.** An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (a completed OC-25 form) The estimated cost for phase I of the renovations to the James E. Shepard Library 1<sup>st</sup> and 2<sup>nd</sup> floor is \$869,800.00. A copy of the Preliminary Cost Estimate OC-25 is attached.
- 3. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):

N/A

**4. An estimated schedule for the completion of the project:** The project is scheduled to be substantially complete and ready for Beneficial Occupancy by the start of the Fall Semester, August 17, 2015, as follows:

Move Management -05/11/15 to 05/22/15Bidding -05/01/15 to 05/21/15

Construction - 06/01/15 to 08/14/15 (Phased Move-in and Set-up beginning 08/03/15)

Close-out and Full Use - 08/17/01 to 09/11/15

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

N/A

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

N/A

7. An explanation of the means of financing:

N/A. Funds will be redirected from Title III SAFRA and HBCU Funds. Preliminary Approval has already been granted by the Federal Title III Office.



# North Carolina Department of Administration

Pat McCrory, Governor Bill Daughtridge, Jr., Secretary State Construction Office Gregory A. Driver, PE, Director

OC-25: 20156050161
Proposed Capital Improvement Project
Biennium: 2013-2015

**STATE DEPARTMENT:** Educational Institutions (Universities)

**INSTITUTION OR AGENCY:** NC Central University

PROJECT IDENTIFICATION: Shepard Library - Academic Improvements for Learning and Technology

PROJECT TYPE: Library/LRC

**CLASSIFICATION:** Repairs, Reroofing, Renovations

**PROJECT DESCRIPTION AND JUSTIFICATION:** The James E. Shepard Memorial Library was built in 1951. In 2006, the facility was renovated for mold removal, asbestos abatement and some infrastructure and technology enhancements. While these enhancements provided some wireless and technology improvements, they are not sufficient to meet the ever-evolving technology needs or collaborative learning requirements of today?s students.

This proposal is Phase I of a multi-phase project that transforms the 1st floor of the James E. Shepard Library and begins the work on the 2nd floor. In this first phase, infrastructure renovation, as well as enhanced technology and services are included. The infrastructure and renovation include much needed creation of new collaborative work spaces, construction of a central service point for technology and library services, reconfiguration of space and services, adding power and data, upgrading HVAC, upgrading plumbing, replacing ceiling tiles, replacing flooring and painting where needed. The technology improvements include collaborative spaces, individual work spaces, group work tools, media and specialized technology and computer desks/chairs. The existing Heating, Ventilating and Air Conditioning (HVAC) System can?t meet the needs of the increased use and technology. Electrical, information technology and telecommunications systems are insufficient and need enhancements. Lighting needs to be upgraded with more efficient fixtures. Computer workstations and furnishings do not allow for collaboration needs of today?s students.

The current functions of the James E. Shepard Library 1st Floor will be relocated to other areas within the facility, and student services will not be impacted during the renovation.

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Major portions of this building have been left un-renovated due to the University? focus on and priority of upgrading academic facilities, with the limited repair and renovation funding received from state appropriations. As a result of this, many conditions within this facility have festered, not out of neglect, but out of a lack of resources. While the physical needs are apparent, the overarching and more compelling needs for the renovations are based on the University?s need to fulfill the goals of its Strategic Plan among which the following are included:

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- ? Implement a University-wide Continuous Improvement Process to promote efficiency and effectiveness.

Accordingly, the purpose of the renovations to the Shepard Library is to create the optimum environment for collaboration, efficiency, effectiveness,

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 comfort and safety in order that the University?s mission of educating students can be sustained and enhanced.

ITEM	QTY	<u>UNIT</u>	COST PER UNIT	TOTAL
1. Site Demolition	1500.0	Square Feet	\$11.67	\$17,505
3. Building Construction (existing)	1.0	Lump Sum	\$252,060	\$252,060
4. Plumbing (new space)	15.0	Each	\$1,500	\$22,500
5. HVAC (new space)	1.0	Lump Sum	\$194,820	\$194,820
6. Electrical (Includes TV & Radio Studio)	1.0	Lump Sum	\$99,478	\$99,478
8. Telephone, Data, Video	1.0	Lump Sum	\$150,800	\$150,800
9. Associated Construction Costs	1.0	Lump Sum	\$92,468	\$92,468
10. Other	1.0	Lump Sum	\$10,662	\$10,662
ESTIMATED CONSTRUCTION COST:				\$840,293

DESIGN FEE	3.5%	(% of Estimated Construction Costs)	\$29,410
PRECONSTRUCTION COSTS	0%	(% of Estimated Construction Costs [1% for CM@Risk])	\$0
COMMISSIONING FEE	0%	(0.5% simple, 1% moderate, 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS	0%	(1.25% Estimated)	\$0
SUSTAINABILITY	0%	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	0%	(% of Estimated Costs - includes programming, feasibility, analysis)	\$0
CONTINGENCIES	0%	(% of Estimated Costs [3% New or 5% R&R])	\$0
ESTIMATED COSTS	`	ed Construction Costs + Design Fee + Preconstruction + Commissioning al + Sustainability + Advance Planning + Contingencies)	\$869,703

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

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

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

\$0

Page - 3

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

\$870,000

### COMMENTS:

- 1. [2015-04-28 09:37:03] timmcmullen Save
- 2. [2015-04-28 09:33:52] timmcmullen Save
- 3. [2015-04-28 09:30:18] timmcmullen Create

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

Ins	titution:	NC State Univ	versity		Advance Plann	ing Request:  X	
		ation from: \$aw Window Repla			New Capi	ttal Project <sup>1</sup> . A	
Pro	oject Cost: \$1,53	35,000					
Soi	urce of Funds: H	Iousing Receipts					
		reviously had adva		thority, please ic	lentify code/item number ι	ander which that	
Fo	r each advance p	lanning project o	r capital constr	uction project,	please provide the follow	ing:	
1.	A detailed proje	ct description and	justification:				
	Residence Hall.		atement at wind		installation and exterior pain the project. This five-sto		
2.	An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (a completed OC-25 form)						
	See attached OC	C-25.					
3.	An estimated scl construction onl		v requirements o	over the life of th	ne project by FY quarters (2	Answer for capital	
	FY 2016 FY 2017	<u>Q1</u> \$49,664 \$617,826	Q2 \$32,282 \$93,828	<u>Q3</u> \$13,991	<u>Q4</u> \$727,409		
4.	An estimated scl	hedule for the com	pletion of the pr	oject:			
	Design Start: 8/3 Construction Sta	31/15 Desi art: 5/16/16 Cons	gn Complete: 12 struction Comple				
5.	covering the firs	maintenance and ope			ling to support these costs, uction only):	including personnel,	
	N/A						
6.		evenues, if any, likital construction of		d from the projec	ct, covering the first five yo	ears of operation	
	No revenues wil	ll be derived as a re	esult of this proje	ect.			
7.	An explanation	of the means of fin	ancing:				
	Housing Receipt	ts will fund the des	sign and constru	ction of this proj	ect.		

# STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE

Form OC-25 (Rev 05/12)

# PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT BIENNIUM 2013 - 2015

DEPARTMENT and DIVISION: PROJECT IDENTIFICATION: 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								
	exterior window replace	ement, security scre	en installation	and exterior pa				at windows is inlouded
				E .				
(Definitions/explanations CURRENT ESTIMATE A. Land Requirer	ED CONSTRUCTION		this form.)	QTY	UNIT	COST	PER UNIT	TOTAL \$0
<ul><li>B. Site Preparation</li><li>1. Demolition</li></ul>	on				, and a			\$0
<ul><li>2. Site Work</li><li>C. Construction</li></ul>								\$0
<ol> <li>Utility Ser</li> <li>Building C</li> </ol>	vices Construction (new spac	ce)						\$0 \$0
3a. Building	Construction (window Construction (exterior	s)		1186	window lump sum	\$	946.00 167,759.00	\$1,121,956
4. Plumbing	(new space)	)		1	iump sum	Ψ	167,759.00	\$167,759 \$0
<ol><li>HVAC (ne</li><li>Electrical</li></ol>					-			\$0 \$0
	ession and Alarm Syste, Data, Video (existin		)					\$0 \$0
<ol><li>Associate</li></ol>	d Construction Costs							\$0
<ul><li>10. Other:</li><li>D. Equipment</li></ul>	Abatemen	<u>t</u>	-	1	lump sum	\$	42,750.00	\$42,750
1. Fixed								\$0
2. Moveable ESTIMATED CONST					7		8.2	\$0 \$1,332,465
Items below may be calcu	lated by percentage or lu	mp sum. If using lump	sum, make entr	y in \$ field.			25	
DESIGN FEE				ed Construction C				\$133,247
PRECONSTRUCTION COMMISSIONING	1 COSTS			ed Construction Co			1)	\$2,665 \$0
SPECIAL INSPECTIO	NS/MATERIALS	%	(1.25% estima	ted)	•	'/		\$0
SUSTAINABILITY	_	%	55 50 50 50	ld, 2% LEED Silve	50 00			\$0
ADVANCE PLANNING	3	%		amming, feasibilited Construction Co				\$0
CONTINGENCIES	_	5 %	(% of Estimate	ed Construction C	osts [3% New	or 5% R	&R])	\$66,623
ESTIMATED COSTS Escalation = percent p	10 March 2000000000000000000000000000000000000	nstruction Costs + Cor	ntingencies + De	esign Fee)				\$1,535,000
(From Est. Date to mid- General Bldgs: 0-17 mos = 0%	point of construction) =		9 16%; 48-60 mos =		0	% per m	nonth	
Health Bidgs: 0-5 mos = .18% ESCALATION COST I				33%; 36-47 mos = .36	5%; 48-60 mos =	38%	Î	\$0
TOTAL ESTIMATED	PROJECT COSTS	(Estimated Costs + Es	calation Cost Inc	rease)				\$1,535,000
APPROVED BY:	Governing Board or Agency	/ Head)	_	TITLE University	Architect			DATE 3.25.15

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

Inst	titution:	NC Stat	e University			ice Planning Request:
	rease in Authorizat			nilding Addition	Γ	New Capital Project*: X
Pro	ject Cost: <u>\$212,0</u>	000				
Sou	arce of Funds: F&	zΑ				
	this project has prehority is carried. C				ease identify code/item	number under which that
For	r each advance pla	anning pro	ject or capital o	construction pro	ject, please provide th	ne following:
1.	A detailed project	t descriptio	n and justification	on:		
	support. The facil	ity will havened space.	ve approximately The building wi	/ 1280 gross squa	are feet of conditioned s	commodate piglet research space and 905 gross square orage, necropsy area, sample
2.	An estimate of ac (a completed OC-		olanning, design,	site developmen	t, construction, conting	ency and other related costs
	See attached OC-	25.				
3.	An estimated sche construction only		sh flow requiren	nents over the life	of the project by FY q	uarters (Answer for capital
	FY 2016 1Q: \$1	16,737	2Q: \$108,541	3Q: \$54,271	4Q: \$32,451	
4.	An estimated scho	edule for th	e completion of	the project:		
	Design Start: 6/15 Construction Star		Design Finish: Construction F			
5.					f funding to support the construction only):	se costs, including personnel,
	N/A					
6.	An estimate of rev (Answer for capit			derived from the	project, covering the fi	rst five years of operation
	No revenues are e	expected to	be derived from	this project.		
7.	An explanation of	f the means	of financing:			
	F&A will fund the		-			

# STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE

Form OC-25 (Rev 05/12)

# PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT BIENNIUM 2013 - 2015

PRO	ARTMENT and DIVISION: JECT IDENTIFICATION: JECT CITY or LOCATION:		Building Addition	1	-	DATE:	04/01/15	_	
		Raleigh - Lake Wh							_
PRO	JECT DESCRIPTION & JUSTIFICAT	ION: (Attach add'l data as	s necessary to inc	dicate need, size, fur	nction of improv	ements a	as well as a master	plan.)	_
Inis	project will construct an addition to the	Animal Health Rese	earch Building	to accommodat	te piglet rese	earch su	upport. The faci	lity will have	
appro	ximately 1280 gross square feet of co	onditioned space and	905 gross sq	uare feet of unc	onditioned s	pace.	he building will	house feed	
mix/s	torage, cage wash/storage, necropsy	area, sample prepar	atory and laur	nary functions.					
									_
(Dofin	itions/explanations are provided on pg 2 to	acciet in completion of	this form						
	RENT ESTIMATED CONSTRUCTION		uns ionn.)	QTY	UNIT	000	T DED TIME	TOTAL	
A.	Land Requirement	1 0031		<b>Q</b> 1.T	UNIT	008	T PER UNIT	TOTAL	-
В.	Site Preparation			-					\$0
<b>D</b> .	Demolition								\$0
	2. Site Work			0.5	acre	\$	100,000.00	\$50,00	
C.	Construction				uoro	Ψ	100,000.00	Ψ50,00	201
	Utility Services								\$0
	Building Construction (new cor	nditioned space)		1280	gsf	\$	45.00	\$57,60	
	Building Construction (new und			905	gsf	\$	20.00	\$18,10	
	Plumbing (new space)	onanonou opaco,		1280	gsf	\$	10.00	\$12,80	
	5. HVAC (new space)			1280	gsf	\$	20.00	\$25,60	
	6. Electrical (new space)			1280	gsf	\$	13.00	\$16,64	
	7. Fire Supression and Alarm Sys	stems (new space)			3-1				\$0
	8. Telephone, Data, Video (new								\$0
	9. Associated Construction Costs			1	lump sum	\$	5,225.00	\$5,22	
	10. Other:								50
D.	Equipment		-	2.00.7-0.0					_
	1. Fixed							9	0
	2. Moveable				10.0000				60
ESTI	MATED CONSTRUCTION COSTS			0500 - 10 E E E E E				\$185,96	55
ltems b	elow may be calculated by percentage or lu	ımp sum. If using lump :	sum, make entry	in \$ field.			•	7	
	GN FEE			ed Construction C			I	\$18,59	7
PREC	ONSTRUCTION COSTS			ed Construction C	\$1,86	河			
COM	MISSIONING			1.0% moderate; 1	9	00			
SPEC	IAL INSPECTIONS/MATERIALS		(1.25% estima		9	0			
SUST	AINABILITY	%	(3% LEED Go	old, 2% LEED Silve	er)		ĺ	9	50
		•	Includes progr	amming, feasibilit	v analysis				٦
ADVA	NCE PLANNING	%		ed Construction Co				9	00
	-				105%				$\dashv$
CONT	INGENCIES	3 %	(% of Estimate	ed Construction Co	osts [3% New	or 5%	R&R])	\$5,57	9
-O-T-IA	MATER 20070 - 101 15 11 1 1 10								
		onstruction Costs + Cor	ntingencies + De	esign Fee)			. [	\$212,00	10
	ation = percent per month multiplied by				_	•			
	Est. Date to mid-point of construction) =		8	The state of the s	0	% per	month		
General	Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35	mos = .12%; 36-47 mos = .1	16%; 48-60 mos =	.18%					
Health B	ldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m	nos = 26% 18-23 mos = 20	%: 24_35 mos = 3	33%: 36-47 mas = 36	%: 48-60 mos =	38%			
	LATION COST INCREASE (Total of			3076, 30-47 1110330	70, 40-00 mos –	.0075	Г	· ·	٦
_004	ETHOR COOT MOREAGE (TOTAL OF	Louinatou Oosts X ES	Juliau OII 70)				Ĺ		0
TOTA	L ESTIMATED PROJECT COSTS	(Estimated Costs + Esc	alation Cost Incre	ease)			ſ	\$212,00	0
	1 • 11							The second secon	_
APPR	OVED BY:			TITLE University	Architect			DATE 4 . 1 . 15	)
	(Governing Board or Agend	y Head)							

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

Institution:	North Carolina State University	Advance Planning Request:
Increase in Author	rization from: \$_700,000 to \$_1,350,000	New Capital Project*: X
		11 (D) () D) 1
Project Title: CC	C Thermal Utilities and Infrastructure (CTI, COT and	nd MRC) – Phase I
Project Cost: \$6	650,000 (Total project cost of first phase, including	previously approved AP is \$1,350,000)
Source of Funds:	Centennial Campus Trust Fund	
1 3	s previously had advance planning authority, pleased. Code 41424 Item 314	e identify code/item number under which that
For each advanc	e planning project or capital construction projec	et, please provide the following:

1. A detailed project description and justification:

This first phase of construction will supply chilled water supply and return to the Center for Technology and Innovation. Overall, this project will advance the Centennial Campus Utilities Master Plan to extend central thermal utilities to Montieth Research Center (MRC), College of Textiles (COT) and Center for Technology and Innovation (CTI). Currently, MRC and COT have their original stand-alone thermal plants consisting of 6 chillers for a total of 3400 tons and 5 steam boilers with a capacity 1900 Boiler Horsepower. CTI is a new building that will require central utilities for similar needs.

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):

	<u>Q1</u>	Q2	Q3	Q4
FY 2015				\$15,000
FY 2016	\$315,000	\$585,000	\$250,000	\$185,000

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

Design Start: March 1, 2015 Design Complete: May 31, 2015

Construction Start: June 1, 2015 Construction Complete: September 30, 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):

No additional revenues will be derived from this project.

7. An explanation of the means of financing:

Centennial Campus Trust Funds will be used to fund this first phase of construction.

# 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)

DEPA	RTMENT and DIVISION:	North Carolina Sta				_	DATE:	02/03/15
PROJ	ECT IDENTIFICATION:	CC Thermal Utilitie	es & Infrastruc	ture (CTI, COT	, and MRC	C)		
PROJ	ECT CITY or LOCATION:	Raleigh - Centenn						
PROJ	ECT DESCRIPTION & JUSTIFICAT	ION: (Attach add'l data as	s necessary to ind	icate need, size, fur	nction of impr	ovements as w	ell as a master p	olan.)
This p	roject will advance the Centennial C	ampus Utilities Maste	r Plan to exter	nd central therm	al utilities	to Montieth	Research Ce	enter (MRC), College of
Textile	es (COT) and Center for Technology	and Innovation (CTI)	, which will pro	ovide utilities to	heat, cool,	and meet	process need	s. Currently, MRC and
	nave their original stand alone therm							
	power. CTI is a new building that wil							
	, and 4" condensate from existing se							
	clude demolition of the existing equip							
	ls. The funding request is for design							
(Definit	tions/explanations are provided on pg 2	to assist in completion c	of this form.)					
	RENT ESTIMATED CONSTRUCTIO		,,	QTY	UNIT	COST	PER UNIT	TOTAL
A.	Land Requirement	10001						\$0
В.	Site Preparation							
О.	Demolition					T		\$0
	2. Site Work							\$0
C.	Construction							***
0.	Utility Services			2200	I.E.	1 \$	2,611.36	\$5,744,984
	Building Construction (new sp.	200)		2200		Ψ	2,011.00	\$0
	Building Construction (rew sp     Building Construction (existing							\$0
	Plumbing (new & existing space)  4. Plumbing (new & existing space)			2000				\$0 \$0
	5. HVAC (new & existing space)	Je)						\$0
	Electrical (new & existing space)	20)						\$0
	7. Fire Supression and Alarm Sy		r enaca)	-				\$0
	Telephone, Data, Video (new		g space,			_		\$0
	Associated Construction Costs					+		\$0 \$0 \$0
	10. Other:	3						\$0
D.	Equipment		-					ΨΟ
D.	1. Fixed				Ι			\$0
	Moveable				-			\$0
ECTIL	MATED CONSTRUCTION COSTS				L			\$5,744,984
				- 66-14				φυ,1-1,501
items b	elow may be calculated by percentage or li	ımp sum. Ir usıng lump s	ium, make entry	in \$ field.				
DECIC	SN FEE	10 %	(0/ of Estimate	ed Construction C	'ooto)		1	\$574,498
	**************************************			ed Construction C		. CMODIALI	`	\$57,450
	ONSTRUCTION COSTS			1.0% moderate;			'	\$0
	MISSIONING				1.5% comp	iex)		\$71,812
	IAL INSPECTIONS/MATERIALS		(1.25% estima					\$0
SUST	AINABILITY		(3% LEED Go	ld, 2% LEED Silv	er)			<b>\$</b> U
				amming, feasibili				
ADVA	NCE PLANNING	%	(% of Estimate	ed Construction C	osts)			\$68,052
CONT	INGENCIES	5 %	/0/ of Estimate	od Construction C	14 /021 atoo	OW 07 50/ DS	DI \	\$287,249
CONT	INGENCIES		(% Of Estimate	ed Construction C	OSIS [370 IV	ew or 5% re	krkj )	Ψ201,243
FOTIL	MATER 000TO (9/ 15 // 14							\$6 904 046
	The second secon	Construction Costs + Co	ntingencies + D	esign Fee)			Į.	\$6,804,046
	ation = percent per month multiplied t	Č.	•	v (coloredado • • color		40.07	0000 <b>41</b> P	
•	Est. Date to mid-point of construction)		24	<u> </u>	0.1	12 % per m	onth	
General	Bidgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-3	35 mos = .12%; 36-47 mos =	: .16%; 48-60 mos	= .18%				
Lloolth D	ildgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17	/ man = 269/ : 10 22 man =	200/ : 24 25 man =	220/ · 26 47 mas =	260/ - 40 60	mac = 200/		
				5576, 50-47 11105 -	.50 /6, 40-00	111055070	1	\$195,957
ESUA	LATION COST INCREASE (Total of	Estilliated Costs X ES	Calation %)				ı	
TOTA	L ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Incr	ease)			1	\$7,000,002
	1 1 1	,		00 f M				
APPR	OVED BY:			TITLE University	Architect			DATE 4.9.15
	The state of the s							

(Governing Board or Agency Head)

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

De	partment/Institution: NC State University		Advance Planning Request:
Inc	rease in Authorization from: \$1,200,000 to	<u>\$ 1,820,000</u>	New Capital Project:
Pro	ject Title: Centennial Campus Reuse Wat	ter	
Pro	ject Cost: \$620,000 (Total Project cost \$	1,820,000 including previo	ously approved \$1,200,000)
Sou	urce of Funds: University Carry Forward		
			ntify code/item number under which that
Fo	each advance planning project or capita	l construction project, pl	ease provide the following:
1.	A detailed project description and justification		
	New Capital Project:  Pease in Authorization from: \$ 1,200,000 to \$ 1,820,000  Pect Title: Centennial Campus Reuse Water  Pect Cost: \$620,000 (Total Project cost \$1,820,000 including previously approved \$1,200,000)		
2.			
	See attached OC-25		
3.		ements over the life of the	project (Answer for capital construction
		\$24,799	
	FY 2015 – 1Q: \$15,049; 2Q: \$	\$4,639; 3Q: \$2,964; 4Q: \$2	249,949
	FY 2016 – 1Q: \$1,027,615; 20	Q: \$268,513; 3Q: \$161,164	4; 4Q: \$48,191
4.	An estimated schedule for the completion of	of the project:	
	Design Start: 2/6/2014	Design Complete: 9/1	7/2014
	C	G + +: G 1+	10/20/15

Construction Start: 5/5/15 Construction Complete: 10/29/15

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 new revenues will be derived from the implementation of this project.

7. An explanation of the means of financing:

Source of funding: University Non-General funds

# STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE OPOSED REPAIR & RENOVATION OF CARITAL IMPROVEMENT DROJECT

Form OC-25 (Rev 05/12)

PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT
BIENNIUM 2013 - 2015

DEPARTMENT and DIVISION:	NC State University			DATE:	09/04/13
PROJECT IDENTIFICATION:	Reuse Water Line Exte	nsion		-	
PROJECT CITY or LOCATION:	Raleigh - Centennial Ca				
PROJECT DESCRIPTION & JUSTIFICATION & DESCRIPTION & DESCRI			action of improve	ements as well as a meeter	alan \
This project will extend the reuse water line	from a new numning stati	on near Achievement Dri	ive to the Co	ntonniol Compus Hillit	Dian.)
of Main Campus Drive. The project is to be	completed in two phases	on near Achievement Dir	ive to the Ce	ntenniai Campus Otility	Plant (CCUP) by way
The project to be	o completed in two phases.				
(Definitions/explanations are provided on pg 2 t	o assist in completion of this	form \			
CURRENT ESTIMATED CONSTRUCTION	I COST	QTY	UNIT	COST DED LIVIE	TOTAL
A. Land Requirement	10001	<u> </u>	UNI	COST PER UNIT	TOTAL
B. Site Preparation					\$0
Demolition			т		
2. Site Work					\$0
C. Construction			<u> </u>		\$0
Utility Services					
Building Construction (new spa		1		\$ 1,553,479.00	\$1,553,479
Building Construction (new spans)     Building Construction (existing)					\$0
Dunding Construction (existing)     Plumbing (new space)					\$0
5. HVAC (new space)					\$0
Electrical (Includes TV & Radio	Ctudio)				\$0
7. Fire Supression and Alarm Sys					\$0
8. Telephone, Data, Video	tems				\$0
Associated Construction Costs					\$0
10. Other:				\$ 54,295.00	\$54,295
D. Equipment					\$0
1. Fixed					
2. Moveable					\$0
ESTIMATED CONSTRUCTION COSTS			L		\$0
					\$1,607,774
Items below may be calculated by percentage or lu	imp sum. If using lump sum, n	nake entry in \$ field.			
DECION FEE	40.0/				
DESIGN FEE		f Estimated Construction Co			\$160,777
PRECONSTRUCTION COSTS		f Estimated Construction Co			\$3,216
COMMISSIONING		6 simple; 1.0% moderate; 1	l.5% complex)		\$0
SPECIAL INSPECTIONS/MATERIALS		% estimated)			\$0
SUSTAINABILITY	0 % (3%)	LEED Gold, 2% LEED Silve	er)	Ī	\$0
	Inclu	des programming, feasibility	v analycic	İ	
ADVANCE PLANNING	0 % (% of	Estimated Construction Co	nsts)	1	\$0
- CONTINUENCIEC				-	Ψ0
CONTINGENCIES	3 % (% of	Estimated Construction Co	osts [3% New	or 5% R&R] )	\$48,233
	nstruction Costs + Contingen	cies + Design Fee)		1	\$1,820,000
Escalation = percent per month multiplied by	number of months			-	
(From Est. Date to mid-point of construction) =		12 months	0	% per month	
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 i	mos = .12%; 36-47 mos = .16%; 48	3-60 mos = .18%			
lookh Didney 0.5 mag. 400% 0.44	000 000 000 000 000 000 000 000 000 00	La process representation			
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m			5%; 48-60 mos =	.38%	
ESCALATION COST INCREASE (Total of E	stimated Costs x Escalatio	n %)			\$0
TOTAL ESTIMATED PROJECT COSTS	/Estimated Costs - Faral "	Cost Incre		-	
1 NOTE OF THE PROPERTY OF THE PARTY OF THE P	(Estimated Costs + Escalation	Cost increase)		L	\$1,820,000
APPROVED BY		TITLE ILL. "	. Aughtte		DATE 4 - 7 - 15
(Governing Board or Agenc	v Head)	TITLE University	AICHITECT		JAIL T
(Cotoning Dodie of Agenc	, i loudy				

# The University of North Carolina

		Request for	New or Increas	e in Capital Im	provement Project
Ins	titution:	NC State Univ	versity		Advance Planning Request:  New Capital Project*: X
	rease in Authorization of the company of the compan				riew capital Project
Pro	oject Cost: \$2,500	),000			
Sou	urce of Funds: Co	llege of Veterina	ry Medicine Trus	t Funds	
	this project has prohority is carried. C			hority, please ide	entify code/item number under which that
Fo	r each advance pla	anning project o	r capital constru	action project, p	lease provide the following:
1.	A detailed project	t description and	justification:		
	accommodate dis	cipline clustering	in a more open a	and flexible layou	Building Research Lab module 3B, to at. Renovations include wet lab renovation and casework upgrades.
2.	An estimate of ac (a completed OC-		ng, design, site de	evelopment, const	cruction, contingency and other related costs
	See attached OC-	25.			
3.	An estimated scho construction only		w requirements or	ver the life of the	project by FY quarters (Answer for capital
	FY 2015 FY 2016 FY 2017 FY 2018	Q1 \$48,114 \$975,080 \$30,993	<u>Q2</u> \$45,008 \$934,266	<u>Q3</u> \$30,000 \$101,981	Q4 \$84,985 \$40,843 \$208,730
4.	An estimated scho	edule for the com	pletion of the pro	oject:	
	Design Start: 6/16 Construction Star			plete: 4/15/16 Complete: 12/16	5/16
5.	An estimate of macovering the first				ng to support these costs, including personnel, ction only):
	N/A				
6.	An estimate of re	<del>-</del>	-	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:

The College of Veterinary Medicine Trust Funds will finance design and construction of this project.

# STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE

Form OC-25

# PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT BIENNIUM 2013 - 2015

	ARTMENT and DIVISION:	NC State Universit				_	DATE:	03/19/15
	JECT IDENTIFICATION:	CVM 3B Lab Reno						
	JECT CITY or LOCATION:	Raleigh - West Ca						
PROJ	JECT DESCRIPTION & JUSTIFICATION	ON: (Attach add'l data as	s necessary to indi	icate need, size, fu	nction of impro	vements as	well as a master	plan.)
Reno	vation of College of Vet Medicine Main	Building research lal	<u>b module B - th</u>	ird floor, to acc	commodate o	liscipline cl	ustering in a	more open and
tlexibl	e layout. Renovations include wet lab	renovation and write-	up computation	nal support area	s with finish	building s	ystem, and ca	asework upgrades.
(Defin	itions/explanations are provided on pg 2 t	o assist in completion of	of this form					
	RENT ESTIMATED CONSTRUCTION		נו וווס וטוווו.)	QTY	UNIT	COCT	OCD LINET T	TOTAL
A.	Land Requirement	0001		QII	UNIT	60011	PER UNIT	TOTAL
B.	Site Preparation							\$0
	1. Demolition							60
	2. Site Work					<del> </del>		\$0 \$0
C.	Construction							ΨΟ
	1. Utility Services							\$0
	<ol><li>Building Construction (new spar</li></ol>							\$0
	<ol><li>Building Construction (existing)</li></ol>			8700	GSF	\$	160.80	\$1,398,960
	4. Plumbing (existing)			8700	15-0-0-0-110-1	\$	17.50	\$152,250
	5. HVAC (existing)			8700		\$	31.00	\$269,700
	6. Electrical (existing)			8700		\$	19.00	\$165,300
	7. Fire Supression and Alarm Syst	tems		8700		\$	6.50	\$56,550
	<ol> <li>Telephone, Data, Video</li> <li>Associated Construction Costs</li> </ol>			8700		\$	3.00	\$26,100
	10. Other:				lump sum	\$	15,283.00	\$15,283
D.	Equipment		_p <sup>-</sup>			<u> </u>		\$0
	1. Fixed						Т	60
	2. Moveable				55 - 51/d			\$0 \$0
ESTI	MATED CONSTRUCTION COSTS							\$2,084,143
Items b	pelow may be calculated by percentage or	lump sum. If using lum	p sum, make entr	ry in \$ field.			L	<b>\$2,004,140</b>
DEOL	N FFF	40.0/						
	ON FEE			d Construction C				\$208,414
	ONSTRUCTION COSTS	0.5 %	(% of Estimate	d Construction C	osts [1% for t	CM@Risk])		\$10,421
	MISSIONING IAL INSPECTIONS/MATERIALS	0.1 %	(0.5% simple;	1.0% moderate;	1.5% complex	<b>(</b> )		\$0
	AINABILITY		(1.25% estimat					\$2,084
3031	AINABILIT			d, 2% LEED Silv	.50		-	\$0
4 D) / 4	NOT DI ANNINO	0/	Includes progra	amming, feasibilit	y, analysis			
ADVA	NCE PLANNING	%	(% of Estimate	d Construction C	osts)		L	\$72,860
CONT	INGENCIES	5 %	(% of Estimate	d Construction C	osts [3% Nev	or 5% R&F	2])	\$104,207
FOTIN	MATER 000TO - 101 / 15 11 1 1 10		wo as est				Γ	
		onstruction Costs + Co	ntingencies + De	esign Fee)				\$2,482,129
	ation = percent per month multiplied by		40					
•	Est. Date to mid-point of construction) = Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35		18 16%: 48.60 mos = 1	months	0.04	.% per mor	nth	
	ldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m			3%; 36-47 mos = .36	%; 48-60 mos =	.38%	_	
ESCAI	LATION COST INCREASE (Total of E	Estimated Costs x Esc	calation %)					\$17,871
TOTA	L ESTIMATED PROJECT COSTS	(Estimated Costs + Es	scalation Cost Incr	ease)			Г	\$2,500,001
	OVED BY:	~		TITLE University	A L !!		L	ATE 3.19.15
ALL LV	OVED DI.			IIII - University	Architect		13	

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

Inst	titution:	NC State Uni	versity		Advance Planning Request:  New Capital Project*: X
	rease in Authoriz ject Title: <u>CVM</u>	ation from: \$ Finger Barn #2			
Pro	ject Cost: _\$400	,000			
Sou	rce of Funds: C	VM Grant Funds			
		reviously had adv		hority, please ide	ntify code/item number under which that
For	each advance p	lanning project o	or capital constru	iction project, pl	lease provide the following:
1.	A detailed proje	ct description and	justification:		
	This project renomedicine progra	ovates 2,045 squa m. The renovation	re feet of space in creates a surgery	suite and renova	o service the swine-based regenerative ates the housing areas to accommodate swine of gross square feet.
2.	An estimate of a (a completed OC		ng, design, site de	velopment, const	ruction, contingency and other related costs
	See attached OC	C-25.			
3.	An estimated sci construction onl		w requirements or	ver the life of the	project by FY quarters (Answer for capital
		<u>Q1</u>	<u>Q2</u>	<u>Q3</u> _	<u>Q4</u> \$5,694
	FY 2015 FY 2016	\$22,778	\$106,517	\$204,359	\$5,694 \$60,652
4.	An estimated sci	hedule for the con	npletion of the pro	oject:	
	Design Start: 6/2 Construction Sta			gn Complete: 9/3 struction Comple	
5.		naintenance and o			ng to support these costs, including personnel ection only):
	N/A				
6.		evenues, if any, li		from the project	, covering the first five years of operation
	No revenues wil	l be derived from	this project.		
7.	An explanation	of the means of fi	nancing:		
- *	_	ds will fund the de	_	ction of this proje	ct

# STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE

Form OC-25 (Rev 05/12)

# PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT BIENNIUM 2013 - 2015

DEPARTMENT and DIVISION:	North Carolina State University			DATE:	DATE: 03/27/15		
PROJECT IDENTIFICATION: CVM Finger Barn #2 PROJECT CITY or LOCATION: Raleigh - West Campus Precing							
PROJECT DESCRIPTION & JUSTIFICATION & PROJECT DESCRIPTION & JUSTIFICATION & PROJECT DESCRIPTION & PROJECT DESCRIPTION & JUSTIFICATION & PROJECT DESCRIPTION & PROJECT DESCRIPTIO	ON: (Attach add'l data a	s necessary to indicate r	need, size, fur	nction of improv	rements as v	vell as a master	plan.)
This project renovates 2045 square feet of	space in Finger Barr	#2 to serve as sw	ine-based	regenerative	medicine	program. Th	e renovation creates a
surgery suite and renovates the housing are	eas for swine. This is	s a one-story buildir	ng, constru	icted in 1983	with a to	<u>tal of 7076 G</u>	ross Square Feet.
(Definitions/explanations are provided on pg 2 to	assist in completion of	this form \					
CURRENT ESTIMATED CONSTRUCTION		uns ioini.)	QTY	UNIT	COST	PER UNIT	TOTAL
A. Land Requirement	0001		. (21:1:	OINI.	0031	PER UNIT	TOTAL
B. Site Preparation							\$0
Demolition				Γ	Γ		¢n)
2. Site Work		-					\$0 \$0
C. Construction			- 705				φυ
1. Utility Services							40
Building Construction (new spa	ce)	-					\$0 \$0
Building Construction (existing)			2045	SF	\$	100.00	\$204,500
Plumbing (existing)			2045		\$	12.50	\$25,563
5. HVAC (existing)			2045	1000	\$	40.00	\$81,800
Electrical (existing)			2045		\$	16.00	\$32,720
7. Fire Supression and Alarm Sys	tems (existing)						\$0
<ol><li>Telephone, Data, Video (existination)</li></ol>	ng)						\$0
<ol><li>Associated Construction Costs</li></ol>			1	lump sum	\$	2,639.50	\$2,640
10. Other:		_					\$0
D. Equipment		_					
1. Fixed							\$0
2. Moveable							\$0
ESTIMATED CONSTRUCTION COSTS							\$347,222
Items below may be calculated by percentage or lu	np sum. If using lump s	sum, make entry in \$ fi	eld.				
DECION FEE	40.0/			2.2		-	
DESIGN FEE		(% of Estimated Cor					\$34,722
PRECONSTRUCTION COSTS		(% of Estimated Cor					\$694
COMMISSIONING		(0.5% simple; 1.0%	moderate; 1	1.5% complex	)		\$0
SPECIAL INSPECTIONS/MATERIALS		(1.25% estimated)					
SUSTAINABILITY	%	(3% LEED Gold, 2%	LEED Silve	er)			\$0
		Includes programmir	ng, feasibility	y, analysis			
ADVANCE PLANNING	%	(% of Estimated Cor	nstruction Co	osts)			\$0
CONTINGENCIES	5 %	(% of Estimated Cor	estruction Co	nets 13% New	or 5% R&	P1 \	\$17,361
_		(70 or Lournatou oor	ion donorr or	0010 [0 70 14014	01 0 70 11(0)	'\''.	\$17,501
ESTIMATED COSTS (% of Estimated Co	nstruction Costs + Cor	tingencies + Design I	Fee)				\$400,000
Escalation = percent per month multiplied by		itingonoloo - Dooigii i	00)			L	Ψ400,000
(From Est. Date to mid-point of construction) =		8 n	nonths	0	% per mo	nth	
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 n					70 per me	71111	
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mo	os = .26%; 18-23 mos = .29	%; 24-35 mos = .33%; 36	-47 mos = .36	%; 48-60 mos =	.38%		
ESCALATION COST INCREASE (Total of E	stimated Costs x Esc	calation %)				Γ	\$0
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Esc	alation Cost Increase)				Г	\$400,000
	Andrewson Districts (Districts)					_	
APPROVED BY:	~	TITLE	University	Architect		<i>J</i> [	DATE 3.29.15
(Governing Board or Agency	Head)	-					

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

Ins	stitution:	NC State Un	niversity		Advance Planning Request: X New Capital Project*:
Inc Pro	crease in Author	ization from: \$ cility Operations a	to \$ nd Grounds Managemen	nt Support Facility	ı <u> </u>
			(Total project cost estin		
	urce of Funds:	-			
		previously had ad		y, please identify code	e/item number under which that
	•		t or capital constructio	n project, please pro	vide the following:
1.	A detailed pro	ject description an	d justification:		
	buildings and facility will ind Management,	grounds and projectude Building Ma Landscape Constr	cted growth on the Cent aintenance and Operatio uction Services and Bus	ennial Campus Precin ns, Repair & Renovati iness Services. This p	nouse facilities to support existing act. Departments operating from the ion, Housekeeping, Grounds project will also construct a service acconditioned storage space.
2.	An estimate of (a completed C		ning, design, site develo	pment, construction, c	contingency and other related costs
	See attached C	OC-25.			
3.	An estimated s construction or		ow requirements over the	ne life of the project by	y FY quarters (Answer for capital
4.	An estimated s	schedule for the co	ompletion of the project:		
	Programming	Start: 8/1/15	Programming Co	mplete: 10/15/2015	
5.			operating costs and sou peration (Answer for ca		oort these costs, including personnel, y):
6.		Frevenues, if any, apital construction		n the project, covering	g the first five years of operation
7.	An explanation	n of the means of t	financing:		
	This programn	ning effort will be	funded by F&A.		

# 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)

	lorth Carolina Sta					DATE:	03/31/15			
PROJECT IDENTIFICATION: Facilities Operations and Grounds Management Support Facility  Project CITY or LOCATION:										
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.)										
PROJECT DESCRIPTION & JUSTIFICATION:	(Attach add'i data as	necessary to indic	ate need, size, fund	ction of improver	nents as	well as a master pl	an.)			
This project will construct 33,000 gross square feet of service, shop and warehouse facilities to support existing buildings and grounds and projected										
growth on the Centennial Campus Precinct. De	growth on the Centennial Campus Precinct. Departments operating from the facility will include Building Maintenance and Operations, Repair and Renovation, Housekeeping, Grounds Management, Landscape Construction Services, and Business Services. The project will also construct a service									
yard consisting of bins and structures to suppor	t 14 000 grass a	Construction S	ervices, and Bu	usiness Serv	ices. I	he project will a	also construct a service			
including chemicals, as well as additional space	for storage of fl	quare leet of ur	d a fueling stati	on The proj	a varie	ty of equipment	t and materials			
parking spaces.	s for storage or in	eet venicles an	u a luelling stati	on. The pro	ect will	provide for app	proximately 45 off-street			
parking spaces.										
(Definitions/explanations are provided on pg 2 to ass	sist in completion of	of this form.)								
CURRENT ESTIMATED CONSTRUCTION CO		,	QTY	UNIT	COS	T PER UNIT	TOTAL			
A. Land Requirement						7.011 971.0.	\$0			
B. Site Preparation										
<ol> <li>Demolition</li> </ol>							\$0			
<ol><li>Site Work (includes fueling station)</li></ol>			5	acre	\$	300,000.00	\$1,500,000			
C. Construction										
Utility Services				lump sum		1,000,000.00	\$1,000,000			
2. Building Construction (new space)			33000	sf	\$	50.00	\$1,650,000			
Building Construction (unconditions     Diversities (new engage)	ed space)		14000		\$	20.00	\$280,000			
4. Plumbing (new space)			33000		\$	12.00	\$396,000			
<ul><li>5. HVAC (new space)</li><li>6. Electrical (new space)</li></ul>			33000 33000		\$	32.00	\$1,056,000			
7. Fire Supression and Alarm System	s (existing space	١	33000		\$	16.00 6.00	\$528,000			
Telephone, Data, Video (existing s		7	33000		\$	3.00	\$198,000 \$99,000			
Associated Construction Costs	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			lump sum	\$	106,279.00	\$106,279			
10. Other: surface parking	ng			spaces	\$	10,000.00	\$450,000			
D. Equipment		- '					4,00,000			
1. Fixed							\$0			
<ol><li>Moveable</li></ol>			1	lump sum	\$	150,000.00	\$150,000			
ESTIMATED CONSTRUCTION COSTS							\$7,413,279			
Items below may be calculated by percentage or lump s	um. If using lump	sum, make entry i	n \$ field.			-				
	40.04	200								
DESIGN FEE			d Construction C				\$741,328			
PRECONSTRUCTION COSTS			d Construction C			ik])	\$18,533			
COMMISSIONING	0.5 %		1.0% moderate;	1.5% complex	)		\$37,066			
SPECIAL INSPECTIONS/MATERIALS		(1.25% estimat					\$92,666			
SUSTAINABILITY		(3% LEED Gold	d, 2% LEED Silv	er)			\$0			
ALAMAN AND AND AND AND AND AND AND AND AND A			amming, feasibilit							
ADVANCE PLANNING	%	(% of Estimated	d Construction C	osts)			\$500,000			
CONTINGENCIES	3 %	(% of Estimated	d Construction C	osts [3% New	or 5%	R&R])	\$222,398			
							1000000			
ESTIMATED COSTS (% of Estimated Constru	uction Costs + Cor	ntingencies + De	sign Fee)				\$9,025,271			
Escalation = percent per month multiplied by nur	nber of months									
(From Est. Date to mid-point of construction) =		60	months	0.18	% per	month				
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos	= .12%; 36-47 mos =	.16%; 48-60 mos =	: .18%							
Haalib Didges 0.5 mag = 100 . 6.11 mag = 22.0/. 12.17 mag =	26% 49 92	2007 - 24 25	220/ 22 47	000/ 10 00	000/					
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos =			33%; 3b-47 mos = .	.36%; 48-60 mos	= .38%	Г	****			
ESCALATION COST INCREASE (Total of Estim	iateu Costs X ESC	aiation %)					\$974,729			
TOTAL ESTIMATED PROJECT COSTS (E	Estimated Costs + Es	calation Cost Incre	ase)			Γ	\$10,000,000			
1 ?						_	22115			
APPROVED BY:		_	TITLE University	Architect			DATE 3.31.15			
(Governing Board or Agency Hea	aa)									

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

		<del>-</del>		-	·					
Ins	titution:	NC State Uni	versity		Advance Planning Request:					
					New Capital Project*:	X				
	rease in Authoriza				_					
Pro	ject Title: Tuck	er Hall Renovation	on							
Pro	oject Cost: \$1,40	5,000								
Soi	urce of Funds: H	lousing Receipts								
				thority, please id	entify code/item number under which that	at				
	hority is carried.									
Fo	r each advance pl	lanning project o	or capital constr	uction project, p	please provide the following:					
1.	A detailed project	et description and	justification:							
	replaces the in-replacement will	oom sink with a n	ew fixture, paints all repair, new pla	s the room, and re umbing line insta	each of the 189 resident rooms, the project eplaces the bedroom doors and locks. The Illation, and abatement work at the sink a 1947.	e sink				
2.	An estimate of ac (a completed OC		ng, design, site d	evelopment, cons	struction, contingency and other related c	osts				
	See attached OC	-25.								
3.	An estimated sch construction only		w requirements o	over the life of the	e project by FY quarters (Answer for cap	ital				
		<u>Q1</u>	O2	O3	Q4					
	FY 2016 FY 2017	\$45,612 \$565,255	<u>Q2</u> \$29,820 \$85,844	<u>Q3</u> \$12,953	\$665,516					
4.	An estimated sch	nedule for the com	npletion of the pr	oject:						
	Design Start: 8/3	1/15	Design Com	plete: 12/4/15						
	Construction Sta			n Complete: 8/1/1	16					
5.		naintenance and o			ng to support these costs, including personction only):	onnel,				
	N/A									
6.		evenues, if any, lil tal construction o		d from the projec	t, covering the first five years of operation	n				
	No additional rev	venues will be der	rived from this pr	roject.						
7	An avalenation a	of the masses of fi-	anaina:							
7.	An explanation of		· ·							
	This project will	This project will be funded by Housing Receipts.								

# STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE

Form OC-25 (Rev 05/12)

PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT BIENNIUM 2013 - 2015

DEPA	ARTM	IENT and DIVISION:	North Carolina Sta	ate	University				DATE:	03/25/15
PROJECT IDENTIFICATION: Tucker Hall Renovation										
PROJECT CITY or LOCATION: Raleigh - Central Campus Preci					ct					
PRO.	JECT	DESCRIPTION & JUSTIFICAT	ION: (Attach add'l data as	s ne	ecessary to indic	cate need, size, fun	ction of improv	ements as	s well as a master p	olan.)
		t replaces 8357 sf of corridor ar								
		nts the room, and replaces the b								
		work at the sink area. This 4-st			and the second second second second			7.		
						•			**************************************	
(Defin	itions/	explanations are provided on pg 2 to	assist in completion of	f thi	is form.)					
		ESTIMATED CONSTRUCTION			î l	QTY	UNIT	COS	T PER UNIT	TOTAL
Α.		nd Requirement								\$0
В.		e Preparation			3				1.	
	1.	Demolition			Î					\$0
	2.	Site Work								\$0
C.	Co	nstruction								
	1.	Utility Services								\$0
	2.	Building Construction (new sp	ace)							\$0
	3a.	Building Construction (public	spaces)			8357	sf	\$	6.00	\$50,142
	3b.	Building Construction (reside	nce rooms)			189	room	\$	3,261.50	\$616,424
	4.	Plumbing (existing space)				189	room	\$	2,768.00	\$523,152
	5.	HVAC (new space)								\$0
	6.	Electrical (existing space)							22-12	\$0
	7.	Fire Supression and Alarm Sy		e)						\$0
	8.	Telephone, Data, Video (exis	// TO 10 10							\$0
	9.	Associated Construction Cost					lump sum	\$	8,371.50	\$8,372
		Other: Abateme	ent	_		1	lump sum	\$	21,000.00	\$21,000
D.		uipment			7		r	T		
		Fixed								\$0
		Moveable			**					\$0
		ED CONSTRUCTION COSTS							L	\$1,219,089
Items	below	may be calculated by percentage or I	ump sum. If using lump :	sur	m, make entry	in \$ field.				
חבמו	ONE		10.0/	"	0/ af Falimata	d Canatavation C	(anta)		ī	\$121,909
	GN F					d Construction C d Construction C		CM@D:-	L1 X	\$3,048
		STRUCTION COSTS							K])	
		IONING				ple; 1.0% moderate; 1.5% complex)				\$0 \$0
		NSPECTIONS/MATERIALS			1.25% estima	Gold, 2% LEED Silver)				\$0
SUS	IAINA	ABILITY	70	(,	3% LEED Go	d, 2% LEED SIIV	er)			\$0
						amming, feasibilit				
ADV	ANCE	PLANNING	%	(	% of Estimate	d Construction C	osts)			\$0
CON	TING	ENCIES	5 %	(	% of Estimate	d Construction C	osts [3% Nev	v or 5% i	R&R1)	\$60,954
0011	11110	LITOILO		,	70 Or Estimate	d concadant c			,	400,001
ESTI	ΜΔΤΕ	ED COSTS (% of Estimated 0	Construction Costs + Co	nti	ngencies + De	sinn Fee)				\$1,405,000
		= percent per month multiplied to		Jiidi	ngonolog - De	oligir r co/			L	<b>\$1,100,000</b>
		Date to mid-point of construction)	5		9	months	(	% per	month	
•		: 0-17 mos = 0%; 18-23 mos = .04%; 24-3		169		•0,		70 per	monui	
Genera	a bluys	. 0-17 11105 - 076, 10-23 111050476, 24-3	3111051276, 30-47 11105	.10	76, 40-00 mos –	. 1070				
Health	Bldgs: (	0-5 mos = .18%; 6-11 mos = .22 %; 12-17	mos = .26%; 18-23 mos = .29	29%	; 24-35 mos = .3	3%; 36-47 mos = .3	6%; 48-60 mos	= .38%		
ESC/	ALATI	ION COST INCREASE (Total of	f Estimated Costs x Es	sca	alation %)				[	\$0
		1								
TOT	AL ES	STIMATED PROJECT COSTS	(Estimated Costs + Esc	scal	ation Cost Incre	ase)				\$1,405,000
		20 20				<u> </u>				DATE 3 · 25 · 15
APP	ROVE		111	_	-	TITLE University	y Architect			DATE
		(Governing Board or Ager	ncy Head)							

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

construction only):  FY 15 QTR 4 \$ 44,500  FY 16 QTR 1 \$447,300  3. An estimated schedule for the completion of the project:  Design Start 1/15/2015 Construction Start 5/25/2015  Construction Complete 8/5/2015 Occupy 8/5/2015  4. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):  NA  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):  NA	Ins	titution:	Univers	sity of North Carolin	na at Charlotte		e Planning Request:			
Project Cost: \$491,800  Source of Funds: Dining Receipts Fund Balance (cash on hand)  *If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code	т		C	Φ		Nev	w Capital Project*: X	_		
Project Cost: \$491,800  Source of Funds: Dining Receipts Fund Balance (cash on hand)  *If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code					 on					
Source of Funds: Dining Receipts Fund Balance (cash on hand)  *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 existing Bojangles and Panda Express food service venues in the Mainstreet Market area of the Cone University Center at UNC Charlotte. Both areas will be renovated into a new expanded Panda Express.  An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (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):  FY 15 QTR 4 \$ 44,500  FY 16 QTR 1 \$447,300  3. An estimated schedule for the completion of the project:  Design Start 1/15/2015 Construction Start 5/25/2015  Construction Complete 8/5/2015 Occupy 8/5/2015  4. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):  NA  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):  NA  6. An explanation of the means of financing:										
*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code	Pro	oject Cost: \$491,800	)					_		
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 existing Bojangles and Panda Express food service venues in the Mainstreet Market area of the Cone University Center at UNC Charlotte. Both areas will be renovated into a new expanded Panda Express.  An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (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):  FY 15 QTR 4 \$ 44,500  FY 16 QTR 1 \$447,300  3. An estimated schedule for the completion of the project:  Design Start	Sou	urce of Funds: Dinin	g Receip	ts Fund Balance (ca	sh on hand)					
<ol> <li>A detailed project description and justification:         This project renovates the existing Bojangles and Panda Express food service venues in the Mainstreet Market area of the Cone University Center at UNC Charlotte. Both areas will be renovated into a new expanded Panda Express.         An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (a completed OC-25 form)     </li> <li>An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):         FY 15 QTR 4  \$ 44,500         FY 16 QTR 1  \$447,300     </li> <li>An estimated schedule for the completion of the project:         Design Start</li></ol>					; authority, please identif	y code/item nu	mber under which that			
This project renovates the existing Bojangles and Panda Express food service venues in the Mainstreet Market area of the Cone University Center at UNC Charlotte. Both areas will be renovated into a new expanded Panda Express.  An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (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):  FY 15 QTR 4 \$ 44,500  FY 16 QTR 1 \$447,300  3. An estimated schedule for the completion of the project:  Design Start 1/15/2015 Construction Start 5/25/2015  Construction Complete 8/5/2015 Occupy 8/5/2015  4. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):  NA  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):  NA  6. An explanation of the means of financing:	Fo	r each advance plai	nning pr	oject or capital con	struction project, pleas	se provide the	following:			
area of the Cone University Center at UNC Charlotte. Both areas will be renovated into a new expanded Panda Express.  An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (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):  FY 15 QTR 4 \$ 44,500  FY 16 QTR 1 \$447,300  3. An estimated schedule for the completion of the project:  Design Start 1/15/2015 Construction Start 5/25/2015  Construction Complete 8/5/2015 Occupy 8/5/2015  4. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):  NA  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):  NA  6. An explanation of the means of financing:	1.	A detailed project of	descriptio	on and justification:						
(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):  FY 15 QTR 4 \$ 44,500  FY 16 QTR 1 \$447,300  3. An estimated schedule for the completion of the project:  Design Start 1/15/2015 Construction Start 5/25/2015  Construction Complete 8/5/2015 Occupy 8/5/2015  4. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):  NA  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):  NA  6. An explanation of the means of financing:		area of the Cone U								
construction only):  FY 15 QTR 4 \$ 44,500  FY 16 QTR 1 \$447,300  3. An estimated schedule for the completion of the project:  Design Start 1/15/2015 Construction Start 5/25/2015  Construction Complete 8/5/2015 Occupy 8/5/2015  4. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):  NA  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):  NA  6. An explanation of the means of financing:										
FY 16 QTR 1 \$447,300  3. An estimated schedule for the completion of the project:  Design Start 1/15/2015 Construction Start 5/25/2015  Construction Complete 8/5/2015 Occupy 8/5/2015  4. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):  NA  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):  NA  6. An explanation of the means of financing:	2.									
<ul> <li>3. An estimated schedule for the completion of the project:  Design Start 1/15/2015 Construction Start 5/25/2015  Construction Complete 8/5/2015 Occupy 8/5/2015</li> <li>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):  NA</li> <li>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):  NA</li> <li>6. An explanation of the means of financing:</li> </ul>		FY 15 QTR 4 \$ 44,500								
Design Start 1/15/2015 Construction Start 5/25/2015  Construction Complete 8/5/2015 Occupy 8/5/2015  4. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):  NA  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):  NA  6. An explanation of the means of financing:		FY 16 QTR 1	\$447,3	300						
Design Start 1/15/2015 Construction Start 5/25/2015  Construction Complete 8/5/2015 Occupy 8/5/2015  4. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):  NA  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):  NA  6. An explanation of the means of financing:	3.	An estimated sched	lule for t	he completion of the	e project:					
Construction Complete 8/5/2015 Occupy 8/5/2015  4. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):  NA  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):  NA  6. An explanation of the means of financing:				_		ort 5/25/	2015			
<ul> <li>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):  NA</li> <li>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):  NA</li> <li>6. An explanation of the means of financing:</li> </ul>		•	olete							
covering the first five years of operation (Answer for capital construction only):  NA  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):  NA  6. An explanation of the means of financing:		1			13					
<ul> <li>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):</li> <li>NA</li> <li>6. An explanation of the means of financing:</li> </ul>	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):								
(Answer for capital construction only):  NA  6. An explanation of the means of financing:		NA								
6. An explanation of the means of financing:	5.									
·		NA								
·	6.	An explanation of t	the mean	s of financing:						
		•		9						



# North Carolina Department of Administration

Pat McCrory, Governor Bill Daughtridge, Jr., Secretary State Construction Office Gregory A. Driver, PE, Director

OC-25: 201360500540
Proposed Capital Improvement Project
Biennium: 2011-2013

**STATE DEPARTMENT:** Educational Institutions (Universities)

INSTITUTION OR AGENCY: UNC Charlotte

PROJECT IDENTIFICATION: Cone Center Food Service Renovations

PROJECT TYPE: General Bldg.

**CLASSIFICATION:** Repairs, Reroofing, Renovations

**PROJECT DESCRIPTION AND JUSTIFICATION:** Completely renovate the existing Bojangles and Panda Express restaurants in the Mainstreet Market area of the Cone University Center at UNC Charlotte. Both areas will be renovated into a new expanded Panda Express.

<u>ITEM</u>	QTY	<u>UNIT</u>	<b>COST PER UNIT</b>	TOTAL		
Building Construction	7000.0	Square Feet	\$39	\$273,000		
Building Electrical	7000.0	Square Feet	\$20	\$140,000		
Sprinkler	1.0	Lump Sum	\$11,600	\$11,600		
Telecommunications	1.0	Lump Sum	\$2,494	\$2,494		
ESTIMATED CONSTRUCTION COST:						

	WorkflowStep for Proposed Capital Improvement Project OC-25: 201360500540		Page - 2
CONTINGENCIES	5%	(% of Estimated Construction Costs [3% New or 5% R&R])	\$21,354
DESIGN FEE	9.6%	(% of Estimated Construction Costs + Contingencies)	\$43,051
COMMISSIONING FEE	0%	(0.5% simple, 1% moderate, 1.5% complex)	\$0
ADVANCE PLANNING	0%	(includes programming, feasibility, analysis)	\$0
FIXED OWNER COSTS			\$0
ESTIMATED COSTS	(Estimate	d Construction Costs + Contingencies + Design Fee)	\$491,499
Escalation %= percent per m (From Est, Date to mid-point	•	iled by the number of months:	
•		al of Estimated Construction Costs x Escalation %)	\$0

#### COMMENTS:

- 1. [2015-04-21 10:25:19] Laurie Mande Save
- 2. [2015-04-20 08:47:26] Laurie Mande Save
- 3. [2015-04-20 08:45:56] Laurie Mande Save
- 4. [2015-04-20 08:15:16] Laurie Mande Save
- 5. [2015-04-20 08:11:35] Laurie Mande Save
- 6. [2015-04-20 08:00:56] Laurie Mande Copied from: Belk Gym Renovation revised

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

\$491,000

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 2020 \$ 2,021,436 Fiscal Year 2023\$ 1,618,231
Fiscal Year 2021 \$ 1,618,231 Fiscal Year 2022\$ \$ 1,618,231
Source of funding – Student Activity Fee

- 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:
  Advanced planning will be paid from debt fee balances (cash on hand). Construction will be paid through transfer of debt fee balances from previously authorized and completed student fee supported projects and issuance of debt supported by a realignment of existing student debt fees. No net increase in student debt fees is required for this project.

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

Institution:	University of North Carolina at Charlotte	Advance Planning Request: X  New Capital Project*:					
	zation from: \$ to \$ th and Wellness Center	New Capital Project .					
Project Cost: Adva	nced Planning Request of \$6,600,000 (Total Project Co	ost \$66,000,000)					
	Transfer of debt fee balances from previously authorized the of debt supported by a realignment of existing stude this project.						
*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, ple	ease provide the following:					

### For each advance planning project of capital construction project, please provide the for

1. A detailed project description and justification:

UNC Charlotte currently has a significant shortage of student health and wellness space. A recent study by Brailsford and Dunleavy showed the campus has only 20% of the average square footage of its peer institutions and less than 1/3 of the peer average for weight and aerobic training area. Studies also show that students who exercise regularly have better physical and mental health as well as greater academic success. The new student Health and Wellness Center will be a 160,000 square foot facility located near the Student Union. It will include aerobic and weight training rooms, group fitness spaces, multipurpose courts, recreational aquatic facilities, locker rooms, student meeting space, and space for administration of the intramural and recreation programs.

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

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

	FY15	FY16	FY17	FY18	FY19
QTR1	\$0	\$450,000	\$600,000	\$7,725,000	\$7,725,000
QTR2	\$0	\$600,000	\$600,000	\$7,725,000	\$7,725,000
QTR3	\$0	\$600,000	\$600,000	\$7,725,000	\$7,725,000
QTR4	\$150,000	\$600,000	\$0	\$7,725,000	\$7,725,000
TOTAL	\$150,000	\$2,250,000	\$1,800,000	\$30,900,000	\$30,900,000

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

Design Start	10/1/2015	Construction Start	6/1/2017
Construction Complete	5/31/2019	Occupy	8/1/2019



# North Carolina Department of Administration

Pat McCrory, Governor Bill Daughtridge, Jr., Secretary State Construction Office Gregory A. Driver, PE, Director

OC-25: 201360500539
Proposed Capital Improvement Project
Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)

INSTITUTION OR AGENCY: UNC Charlotte

PROJECT IDENTIFICATION: New Health and Wellness Center HAWC)

PROJECT TYPE: Multi-purpose Bldg.
CLASSIFICATION: New Facilities

**PROJECT DESCRIPTION AND JUSTIFICATION:** UNC Charlotte currently has a significant shortage of student health and wellness space. A recent study by Brailsford and Dunleavy showed the campus has only 20% of the average square footage of its peer institutions and less than 1/3 of the peer average for weight and aerobic training area. Studies also show that students who exercise regularly have better physical and mental health as well as greater academic success. The new student Health and Wellness Center will be a 160,000 square foot facility located near the Student Union. It will include aerobic and weight training rooms, group fitness spaces, multipurpose courts, recreational aquatic facilities, locker rooms, student meeting space, and space for administration of the intramural and recreation programs.

ITEM	QTY	<u>UNIT</u>	COST PER UNIT	TOTAL
Project Support	1.0	Lump Sum	\$803,000	\$803,000
Site Demolition	1.0	Lump Sum	\$500,000	\$500,000
Site Work	1.0	Lump Sum	\$750,000	\$750,000
Utility Services	160000.0	Square Feet	\$13	\$2,080,000
Building Construction	160000.0	Square Feet	\$200	\$32,000,000
Building Plumbing	160000.0	Square Feet	\$30	\$4,800,000
Building HVAC	160000.0	Square Feet	\$30	\$4,800,000
Building Electrical	160000.0	Square Feet	\$30	\$4,800,000
Elevator	1.0	Lump Sum	\$500,000	\$500,000
Landscaping	1.0	Lump Sum	\$600,000	\$600,000
Telecommunications	160000.0	Square Feet	\$5	\$800,000
Fixed Equipment	1.0	Lump Sum	\$500,000	\$500,000
Movable Equipment	1.0	Lump Sum	\$1,000,000	\$1,000,000

**ESTIMATED CONSTRUCTION COST:** 

\$53,933,000

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WorkflowSten for Proposed	Canital Improvement Project	( ()( = 25, 201, 3005005 39

ESTIMATED COSTS (Estimated Construction Costs + Contingencies + Design Fee)			\$62,217,108
FIXED OWNER COSTS			\$0
ADVANCE PLANNING 1%		(includes programming, feasibility, analysis)	\$555,509
COMMISSIONING FEE	1%	(0.5% simple, 1% moderate, 1.5% complex)	\$555,509
DESIGN FEE	10%	(% of Estimated Construction Costs + Contingencies)	\$5,555,099
CONTINGENCIES	3%	(% of Estimated Construction Costs [3% New or 5% R&R])	\$1,617,990

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

(From Est, Date to mid-point of construction) =  $\underline{38}$  months @  $\underline{0.16\%}$ 

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

\$3,782,800

Page - 2

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

\$66,000,000

#### **COMMENTS:**

- 1. [2015-04-08 16:35:13] Laurie Mande Save
- 2. [2015-04-08 16:19:18] Laurie Mande Save
- 3. [2015-03-24 11:43:06] Laurie Mande Save
- 4. [2015-03-24 11:42:19] Laurie Mande Save
- 5. [2015-03-24 11:34:07] Laurie Mande Save
- 6. [2015-03-24 11:28:16] Laurie Mande Save
- 7. [2015-03-24 11:09:29] Laurie Mande Save
- 8. [2015-03-24 10:59:45] Laurie Mande Save
- 9. [2015-03-24 09:45:22] Laurie Mande Save
- 10. [2015-03-24 09:41:54] Laurie Mande Save
- 11. [2015-03-24 08:51:46] Laurie Mande Save
- 12. [2015-03-24 08:48:45] Laurie Mande Save
- 13. [2015-03-24 08:35:32] Laurie Mande Save
- 14. [2015-03-23 16:06:29] Laurie Mande Save
- 15. [2015-03-23 14:50:11] Laurie Mande Save
- 16. [2015-03-17 12:19:22] Laurie Mande Save
- 17. [2015-03-17 12:09:19] Laurie Mande Copied from: Student Counseling Center

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

Ins	titution:	Univers	sity of North Carolina	a at Charlotte	Advance Planning Request:			
Inc	rease in Authorizatio	n from:	\$ to \$		New Capital Project*: X			
Pro	oject Title: Student A	ctivity (	Center (SAC) Fitness	Center Renovation				
Pro	oject Cost: \$489,650							
So	urce of Funds: Studer	t Recre	ation Fee Fund Balar	nce (cash on hand)				
	this project has previ hority is carried. Coo			authority, please identify of	code/item number under which that			
Fo	r each advance plan	ning pr	oject or capital cons	struction project, please	provide the following:			
1.	A detailed project d	escriptio	on and justification:					
	ceiling and lighting, renovation to the H	The Fitness Center Renovation will include removing a fixed office in the center of the space and installing new ceiling and lighting, along with HVAC modifications and renewal of the main entrance to the space. Minor renovation to the HVAC system in an adjacent space and some changes to locker and partition placement in the adjacent locker rooms are also included in the project.						
	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 scheduconstruction only):	An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):						
	FY15 QTR 4	\$150,0	000					
	FY16 QTR 1	\$339,6	550					
3.	An estimated schedu	ule for t	he completion of the	project:				
	Design Start		11/14/2014	Construction Start	5/23/2015			
	Construction Comp	lete	9/15/2015	Occupy	9/15/20105			
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):							
	NA							
5.	An estimate of rever (Answer for capital		5 '	ved from the project, cove	ring the first five years of operation			
	NA							
6.	An explanation of th	ne mean	s of financing:					
	Student Recreation Fee Balance (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: 201360500541
Proposed Capital Improvement Project
Biennium: 2011-2013

**STATE DEPARTMENT:** Educational Institutions (Universities)

INSTITUTION OR AGENCY: UNC Charlotte

PROJECT IDENTIFICATION: Student Activity Center (SAC) Fitness Center Renovation

**PROJECT TYPE:** P.E. Bldg/Gym

**CLASSIFICATION:** Repairs, Reroofing, Renovations

**PROJECT DESCRIPTION AND JUSTIFICATION:** The Fitness Center Renovation will include removing a fixed office in the center of the space, installing new ceiling, new lighting, HVAC modifications and rework the main entrance to the space. Minor renovation to the HVAC system in an adjacent space and some changes to locker and partition placement in the adjacent locker rooms are also included in the project.

<u>ITEM</u>	<u>QTY</u>	UNIT	<b>COST PER UNIT</b>	TOTAL
Building Demolition	10600.0	Square Feet	\$1.89	\$20,034
Building Construction	10600.0	Square Feet	\$28.36	\$300,616
Building Plumbing	10600.0	Square Feet	\$3.40	\$36,040
Building HVAC	10600.0	Square Feet	\$1.89	\$20,034
Building Electrical	10600.0	Square Feet	\$4	\$42,400
ESTIMATED CONSTRUCTION COST:				\$419,124

	Page - 2		
CONTINGENCIES	5%	(% of Estimated Construction Costs [3% New or 5% R&R])	\$20,956
DESIGN FEE	9.1%	(% of Estimated Construction Costs + Contingencies)	\$40,047
COMMISSIONING FEE	0.91%	(0.5% simple, 1% moderate, 1.5% complex)	\$4,004
ADVANCE PLANNING	1.2%	(includes programming, feasibility, analysis)	\$5,280
FIXED OWNER COSTS			\$0
ESTIMATED COSTS	(Estimate	ed Construction Costs + Contingencies + Design Fee)	\$489,411
Escalation %= percent per r	month multip	lied by the number of months:	

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

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

\$489,000

\$0

#### **COMMENTS:**

1. [2015-04-20 16:08:32] Laurie Mande - Save

(From Est, Date to mid-point of construction) =  $\underline{3}$  months @  $\underline{0.00\%}$ 

- 2. [2015-04-20 16:08:08] Laurie Mande Save
- 3. [2015-04-20 16:06:10] Laurie Mande Save
- 4. [2015-04-20 13:34:20] Laurie Mande Save
- 5. [2015-04-20 13:31:01] Laurie Mande Save
- 6. [2015-04-20 09:35:27] Laurie Mande Copied from: Belk Gym Renovation revised

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

Ins	titution:	The Universi	ty of North	Carolina at Cl	napel Hill		e Planning	
Inc	rease in Authorization	n from: \$ <u>0</u>	to <u>\$1</u> ,	990,098		N	ew Capital I	Project*: x
Pro	oject Title: Hooker Fie	elds Improve	ments					
Soi	urce of Funds: Campu	s Recreation	Student Fe	ees				
	this project has previous hority is carried. Code	•	vance plann Item	ing authority,	please identify	code/item n	umber unde	r which that
Fo	r each advance plann	ning project	or capital o	construction p	oroject, please	provide the	e following:	
1.	Provide detailed desc	cription and j	ustification	:				
2.	This project will repl lighting system. The Campus Recreation p	e field will be						
3.	An estimate of acqui (Answer for capital c						ncy and oth	er related costs
	See attached OC	2-25 form .						
4.	An estimated schedu construction only):	le of cash flo	ow requirem	nents over the	life of the proje	ect by FY qu	arters (Ansv	wer for capital
		Cash	Flow Estimat	e for Total Projec	et Cost			
	End of:		1Q FY15-16		3Q FY15-16	4Q FY15-16	1Q FY16-17	Total
Ex	spected Expenditure	\$ -	\$ 199,010	\$ 497,525	\$ 597,029	\$ 497,525	\$ 199,010	\$ 1,990,098
5.	An estimated schedu	le for the cor	mpletion of	the project:				
	Project begins: July 2	2015; constru	action starts	May 2016 an	d project comp	oleted: Augus	st 2016	
6.	An estimate of maint covering the first five						e costs, incl	uding personnel.
	n/a							
7.	An estimate of reven (Answer for capital c			derived from the	he project, cov	ering the firs	st five years	of operation
	n/a							
8.	An explanation of the	e means of fi	nancing: C	Campus Recrea	tion Student F	ees		

### STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE

Form OC-25 (Rev 09/14)

### PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT BIENNIUM 2015 - 2017

DEPARTMENT and DIVISION: PROJECT IDENTIFICATION:	Exercise and Sports Science Hooker Fields Improvements			DATE: _	04/13/15
PROJECT CITY or LOCATION:	UNC Chapel Hill, Chapel Hill			<del> </del>	
PROJECT DESCRIPTION & JUSTIFICATIO		licate need, size, fun	ction of improve	ments as well as a master pla	an.)
This project will replace the existing synthetic					
reconfigured to meet regulations and to provi	de a safe playing area for the Ca	mpus Recreatior	n program.		
(Definitions/explanations are provided on pg 2 to					
CURRENT ESTIMATED CONSTRUCTION	COST	QTY	UNIT	COST PER:UNIT	TOTAL
A. Land Requirement			<u></u>		\$0
<ul><li>B. Site Preparation</li><li>1. Demolition</li></ul>		<b></b>			\$0
Site Work (include synthetic turf)		166,000	SF	\$5.00	\$830,000
C. Construction		100,000	10.	40100	4000,000
Utility Services					\$0
2. Building Construction (new space	e)				\$0 \$0 \$0
3. Building Construction (existing)	•				\$0
<ol><li>Plumbing (new space)</li></ol>					\$0
5. HVAC (new space)		(22.22	0.11	41.00	\$0
6. Electrical (field lights)		166,000	SF	\$4.22	\$700,520
7. Fire Supression and Alarm Syste	ems				\$0 \$0
<ul><li>8. Telephone, Data, Video</li><li>9. Associated Construction Costs</li></ul>					\$0 \$0
10. Other: University	Reserves	1	Lump Sum	\$120,000	\$120,000
D. Equipment			1	+111	
1. Fixed (micellaneous field equipm	ent)	1	Lump Sum	\$80,000	\$80,000
2. Moveable					\$0
ESTIMATED CONSTRUCTION COSTS			•	L	\$1,730,520
Items below may be calculated by percentage or lun	np sum. If using lump sum, make entr	y in \$ field.			-
	40.0/ .0/ .5			F-	6470.000
DESIGN FEE		ed Construction C		uopuni -	\$173,052
PRECONSTRUCTION COSTS		ed Construction C	•	<i>-</i>	\$0 \$0
COMMISSIONING _ SPECIAL INSPECTIONS/MATERIALS	% (0.5% simple; % (1.25% estim	; 1.0% moderate; 1	1.5% complex)		\$0
SUSTAINABILITY	% (3% LEED Go	•		-	\$0
	- · · · · · · · · · · · · · · · · · · ·		•	<u> </u>	
ADVANCE PLANNING	Includes prog % (% of Estimat	ramming, feasibilit			\$0
Addition			•		
CONTINGENCIES	5 %~{% of Estimat	ed Construction C	osts [3% New	or 5% R&R])	\$86,526
ESTIMATED COSTS (% of Estimated Cor	struction Costs + Contingencies + D	esign Fee)			\$1,990,098
Escalation = percent per month multiplied by		- ,		L	
(From Est. Date to mid-point of construction) =	1	4 months	0	% per month	
General Bidgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 m	ios = .12%; 36-47 mos = .16%; 48-60 mos =	18%			
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mg	a - 260/: 19 22 mas - 200/: 2/ 25 mas -	220/ · 26 17 mag = 2	60. 19 60 mas =	200/	
ESCALATION COST INCREASE (Total of E		.5. ~ 2011 110550	076, 40-00 IIIOS -	.30%	\$0
	,	٠,		L	
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Escalation Cost Inc	rease)			\$1,990,098
APPROVED BY: // Governing Board of Agency	Headl	TITLE: Director Fa	cilities Planning	and Design D	ate 4/13/15

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

Ins	titution: The University of North Carolina at Chapel Hill  Advance Planning Request:  New Capital Project*: X
	rease in Authorization from: \$0.00 to \$495,000.00 reject Title: Lineberger Laboratory Renovations
Pro	ject Cost: \$495,000.00
Sou	urce of Funds: University Cancer Research Trust Fund – for Renovation and Equipment
	this project has previously had advance planning authority, please identify code/item number under which that hority is carried. Code Item
For	r each advance planning project or capital construction project, please provide the following:
1.	A detailed project description and justification:
	This project will renovate various laboratory spaces throughout the Lineberger Cancer Center. New floors, ceilings, lighting, and laboratory casework will be installed and utilities relocated to the new casework locations. Lighting will be upgraded to LED fixtures. HVAC airflows will be adjusted to comply with new energy efficiency standards. In a number of cases, smaller 200SF and 400SF laboratories will be combined to 600SF or larger laboratories to enhance work flow and communication between researchers.
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):
	3 <sup>rd</sup> Quarter 2015 - \$250,000.00
	4 <sup>th</sup> Quarter 2015 - \$245,000.00
4	An action to deal of a dela for the accordation of the accident
4.	An estimated schedule for the completion of the project:
~	Begin Construction 7/1/15 and complete by 12/1/15
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):
	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:
	University Cancer Research Trust Fund – for Renovation and Equipment

# STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE OPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT

Form OC-25 (Rev 09/14)

### PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT BIENNIUM 2015 - 2017

DEPARTMENT and DIVISION: PROJECT IDENTIFICATION:	rger Cancer Cer	nter	-	DATE: _	02/15/15		
PROJECT CITY or LOCATION:	Chapel Hill, North						
PROJECT DESCRIPTION & JUSTIFICATION	N: (Attach add'i data as	necessary to indi	cate need, size, fund	ction of improve	ements as well as a	master pla	an.)
This project will renovate various laboratory space and utilities relocated to the new casework located standards. In a number of cases, smaller 200SF between researchers.	ons. Lighting will be up	ograded to LED	fixtures. HVAC ai	rflows will be	adjusted to comp	oly with ne	w energy efficiency
(Definitions/explanations are provided on pg 2 to CURRENT ESTIMATED CONSTRUCTION		f this form.)	QTY:	UNIT	COST PER	UNIT : I	TOTAL
A. Land Requirement	3301				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>	\$0
B. Site Preparation			1	I	<u> </u>		
<ol> <li>Demolition</li> <li>Site Work</li> </ol>			3060	SF	\$	22.00	\$67,320 \$0
C. Construction					<u>l</u>	<u> </u>	<b>৩</b> ০
1. Utility Services							\$0
2. Building Construction (new space	e)						\$0
3. Building Construction (existing)			3060		\$	58.25	\$178,245
4. Plumbing (existing)			3060 3060		\$ \$	9.00 16.00	\$27,540 \$48,960
<ul><li>5. HVAC (existing)</li><li>6. Electrical (Includes TV &amp; Radio</li></ul>	Studio)		3060		\$	17.00	\$52,020
7. Fire Supression and Alarm Syst			3060		\$	5.00	\$15,300
8. Telephone, Data, Video			3060	SF	\$	2.00	\$6,120
Associated Construction Costs	_						\$0
D. Equipment University	Reserves	-					\$27,500
1. Fixed							\$0
2. Moveable							\$0
ESTIMATED CONSTRUCTION COSTS					•		\$423,005
Items below may be calculated by percentage or lur	np sum. If using lump	sum, make entry	in \$ field.				
DESIGN FEE	10 %	(% of Estimate	d Construction Co	osts)		Γ	\$42,301
PRECONSTRUCTION COSTS	0 %	*	d Construction Co	-			\$0
COMMISSIONING	%		1.0% moderate; 1	.5% complex	)	-	\$0
SPECIAL INSPECTIONS/MATERIALS	<u></u> %	(1.25% estima				-	\$0 \$0
SUSTAINABILITY	70	•	d, 2% LEED Silve amming, feasibilit			-	<del>90</del>
ADVANCE PLANNING	2 %		d Construction Co			-	\$8,460
CONTINGENCIES	5 %	(% of Estimate	d Construction Co	osts (3% New	or 5% R&R])	L	\$21,234.25
ESTIMATED COSTS (% of Estimated Co	nstruction Costs + Cor	itingencies + De	sign Fee)				\$495,000
Escalation = percent per month multiplied by	number of months					_	
(From Est. Date to mid-point of construction) = General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 m	nos = .12%; 36-47 mos = .	12 16%; 48-60 mos =		0	% per month		
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m			33%; 36-47 mos = .36	6%; 48-60 mos =	: .38%	_	
ESCALATION COST INCREASE (Total of E	stimated Costs x Esc	alation %)				L	\$0
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Incr	ease)				\$495,000
APPROVED BY: (Governing Board or Agence	/ Head)	-	TITLE: Director Fa	cittiles Planning	and Design	0	DATE 4/13/15

### 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					
Increase in Authorization	on from: <u>\$_</u> 0 to \$ <u>1,949,978</u>	New Capital Project*:	X				
Project Title: McGavran Greenburge Animal Facility Improvements							
Project Cost: <u>\$1,949,9</u>	68						

Source of Funds: Grant (\$475,925) and F&A Funds-DLAM (\$1,474,043)

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

- 1. A detailed project description and justification: This project will renovate the animal cage wash facility in McGavran Greenberg building. A new cage washer and new animal isolation cubicles will be installed as part of this project.
- 2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (Answer for capital construction only and include a completed OC-25 form)

See attached OC-25

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

Cash Flow Estimate for Total Project Cost						
By End of:	1Q FY15-16	2Q FY15-16	3Q FY15-16	4Q FY15-16	1Q FY16-17	2Q FY16-17
Expected Expenditure	\$ 194,997	\$ 389,994	\$ 584,990	\$ 389,994	\$ 194,997	\$ 194,997

4. An estimated schedule for the completion of the project: December 2016

Design: July 2015

Construction start and end date: February 2016 – December 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):

na

7. An explanation of the means of financing: Grant funds (\$475,925) and F&A Funds - DLAM (1,747,043)

<sup>\*</sup>If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code <a href="mailto:xxxxx">xxxx</a> Item <a href="mailto:xxxx">xxxx</a>

### STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE

Form OC-25 (Rev 05/12)

PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT BIENNIUM 2013 - 2015

	of North Carolin			_	DATE:	04/07/15
	eenberg Animal F	acility Improvem	ents			
PROJECT CITY or LOCATION: Chapel Hill						
PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'i de						
This porject will renovate the animal cage wash facility in Mo	Gavran Greenbe	erg Builidng. A ne	w cagewash	and new ani	mal isolati	on cubicles will be i
installed as part of the project.						
(Definitions/explanations are provided on pg 2 to assist in complet	ion of this form.)	 	Learning news	J. AAAA A	resonantik reservit.	onene ekkararen errela
CURRENT ESTIMATED CONSTRUCTION COST		QTY	UNIT	COST PE	K:UNIJ	TOTAL
A. Land Requirement  B. Site Preparation		<u> </u>	l		i	\$0
B. Site Preparation  1. Demolition		700	lef	<b>\\$</b>	45.00	\$31,500
2. Site Work		100	131	Ψ	40.00	\$0
C. Construction		<u> </u>	1	.1		
Utility Services			Ī	1		\$0
Building Construction (new space)			<u> </u>			· · · · · · · · · · · · · · · · · · ·
Building Construction (existing)		700	sf	\$	205.00	\$143,500
4. Plumbing (new space)		700		\$	70.00	\$49,000
5. HVAC (new space)		700	sf	\$	450.00	\$315,000
<ol><li>Electrical (Includes TV &amp; Radio Studio)</li></ol>		700	sf	\$	61.00	\$42,700
<ol><li>Fire Supression and Alarm Systems</li></ol>						\$0
<ol><li>Telephone, Data, Video</li></ol>						\$0
<ol><li>Associated Construction Costs</li></ol>						\$203,595
10. Other: University Reserves						\$438,674
D. Equipment			1	I		0475.005
Fixed-     Moveable						\$475,925 \$0
2. Moveable ESTIMATED CONSTRUCTION COSTS						\$1,699,894
Items below may be calculated by percentage or lump sum. If using I		n, in ¢ field			L	\$1,033,034
items below may be carculated by percentage or rump some in using i	ump sum, make em	ið in á neið:				
DESIGN FEE 10	0 % (% of Estima	ted Construction C	ansts)		Г	\$169,989
PRECONSTRUCTION COSTS		ted Construction C		`M@Riskl \	ŀ	\$0
	5 % (0.5% simple				ŀ	\$25,498
	0 % (1.25% estim		no re compler	· <b>7</b>	ŀ	\$0
SUSTAINABILITY		iold, 2% LEED Silv	er)		ŀ	\$0
					ŀ	,
ADVANCE PLANNING		gramming, feasibili ted Construction C				\$0
	-				ŀ	
CONTINGENCIES	5 % (% of Estima	ted Construction C	osts [3% New	or 5% R&R])	·	\$84,995
ESTIMATED COSTS (% of Estimated Construction Costs +	- Contingencies + E	Design Fee)				\$1,895,382
Escalation = percent per month multiplied by number of month	-	,			L	
(From Est. Date to mid-point of construction) =		4 months	0.12	% per montl	1	
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 m	•••	<del>_</del>		• •		
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26%; 18-23 mo		.33%; 36-47 mos = .3	6%; 48-60 mos	= .38%	г	A.L. = A.
ESCALATION COST INCREASE (Total of Estimated Costs)	(Escalation %)				L	\$54,587
TOTAL ESTIMATED PROJECT COSTS (Estimated Costs	+ Escalation Cost In	crease)				\$1,949,968
						11/29/12
APPROVED BY:		TITLE: Director Fa	cilities Planning	g and Design	<u> </u>	DATE 4/ 1/15
(Governing Board or Agency Head)						, ,

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

Ins	titution:	UNC at Greensboro	Advance Planning Request: X						
		cation from: \$ to \$ Residence Hall Renovation	New Capital Project*:						
Pro	oject Cost: \$1,16	64,300 Advanced Planning (\$11,643,000 estin	nated total project cost)						
So	urce of Funds: H	ousing Fund Balance							
		oreviously had advance planning authority, plo	ease identify code/item number under which that						
Fo	r each advance p	olanning project or capital construction pro	oject, please provide the following:						
1.	A detailed proje	ect description and justification:							
		sists of the comprehensive renovation of an east and the mechanical, electrical and fire-prote	xisting 9-story Residence Hall to include all finishes, action systems in the building.						
2.		An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (Answer for capital construction only and include a completed OC-25 form)							
		C 25 form. The final project cost estimate will ll capital authority request.	be developed during the design phase and submitted						
3.	An estimated sc construction only	<u>-</u>	e of the project by FY quarters (Answer for capital						
4.	An estimated sc	hedule for the completion of the project:							
	Designer Select	ion: September 2015.							
	Expected bid da	te: March 2017.							
	Expected constr	ruction completion: July 2018.							
5.		maintenance and operating costs and source of st five years of operation (Answer for capital of	f funding to support these costs, including personnel, construction only):						
	N/A								
6.		revenues, if any, likely to be derived from the oital construction only):	project, covering the first five years of operation						
	N/A								
7.	An explanation	of the means of financing:							

## STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE DROSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT

Form OC-25 (Rev 05/12)

### PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT BIENNIUM 2013 - 2015

					04/24/15	_			
PROJECT IDENTIFICATION: Cone Residence Hall Renovation							-		
	CT CITY or LOCATION:	Greensboro, NC							
PROJE	CT DESCRIPTION & JUSTIF	ICATION: The project consi	sts of the com	orehensive rend	ovation of ar	existin	g 9-story Reside	ence Hall	_
to inclu	de all finishes, group bathroon	ns and the mechanical, elec	trical and fire-p	rotection syste	ms in the bu	ilding.			•
	ons/explanations are provided on		this form.)						1
	ENT ESTIMATED CONSTRUC	CTION COST		QTY	UNIT	COS	T PER UNIT	TOTAL.	ł
A.	Land Requirement							\$0	J
B.	Site Preparation			70.100	loe .	۱ ۸	0.001	ቀባባስ ባስስ	1
	Demolition			76430	SF	\$	3.00	\$229,290	-
_	2. Site Work							\$0	l
C.	Construction			000	l. –	Τ ,	100.000	A10.000	1
	<ol> <li>Utility Services (Feeder 8</li> </ol>			200		\$	200.00	\$40,000	
		snry., Blocking, Dr. Hdwr.)		76430		\$	10.50	\$802,515	
		terior Finishes & Accessorie	s)	76430		\$	13.50	\$1,031,805	4
	4. Plumbing (Renovate Bat			76430		\$	11.50	\$878,945 \$2,598,620	
	5. HVAC (Pumps, Fan Coil	Units)		76430		\$ \$	34.00 21.00	\$1,605,030	-
	6. Electrical (Switchgear, P.			76430 76430			3.00	\$229,290	
	7. Fire Suppression and Ala				LS	\$	25,000.00	\$25,000	-₹
	8. Telephone, Data, Video				Lo	Ψ	20,000.00	\$25,000	
	Associated Construction     Other: Ele	evator Modernization		2	EA	\$	150,000.00	\$300,000	
				76430		\$	14.50	\$1,108,235	
		1&P, Bonds, Insurance bestos Abatement			LS	\$	250,000.00	\$250,000	
	,	Monitoring			LS	\$	30,000.00	\$30,000	
D.	Equipment	Monitoring			120	1 4	00,000.001	400,000	1
U.	Fixed - Access Control				Γ	1		\$0	ī.
	Moveable (Furniture Incl.)	Relow)				<u> </u>		. \$0	
CCTIM	IATED CONSTRUCTION CO	•						\$9,128,730	-
	elow may be calculated by percenta		um maka antry i	n <b>t</b> field			L		_
items be	now may be calculated by percenta	ige or itemp sum. If useing tump s	uin, make enu j	11 \$ 110.00.			_		
CONTI	NGENCIES	5 %	(% of Estimate	d Construction C	osts [3% Nev	v or 5%	R&R])	\$456,437	
	N FEE	10 %	(% of Estimate	d Construction C	osts)			\$958,517	1
	ONSTRUCTION COSTS	%	(% of Estimate	d Construction C	osts [1% for	CM@Ris	ik])	\$0	
	IISSIONING	%	(0.5% simple;	1.0% moderate;	1.5% complex	()	ľ	\$0	Ī
	AL INSPECTIONS/MATERIAL		•		-				1
	NG/GEOTECHNICAL		(1.25% estima	ted)				\$91,287	'
12011	110/020/20/11/0/12		•	•				e c	.1
SUSTA	AINABILITY	%	•	d, 2% LEED Silv				\$0	4
		n,		amming, feasibili				\$0	,
ADVA	NCE PLANNING	<u>~~~~</u> %	(% of Estimate	d Construction C	osts)			Ψ	4
	<b></b>							\$10,634,970	
		nated Construction Costs + Cor	itingencies + De	isign Fee)				φτο,ου4,στ	נ
	tion = percent per month multi								
	Est. Date to mid-point of constru		30	-	0.12	2 % per	month		
General	8fdgs: 0-17 mos = 0%; 18-23 mos = .04	i%; 24-35 mos = .12%; 36-47 mos = .	.16%; 48-60 mos =	.18%					
tianish D	ldgs: 0-5 mos = .18%; 6-11 mos = .22 %	/- 10 17 mae = 06% 18-03 mae = 0	19%: 24.35 mas =	33%: 36.47 mos = :	36%: 48-60 mas	= 38%			
		6, 12-17 111052076, 10-23 111052	.0 /6, 24-00 INOS	00 70, 00 47 (ROS – 1	10 70, 10 00 11100	.0070	1	\$625,000	าไ
	PMENT - Moveable Furniture	Salat af Falling to a Ocata in Fac	- Jakian O/N					\$382,859	-
	LATION COST INCREASE (T	otal of Estimated Costs X Est	catation %)						_
PARK	ING REPLACEMENT COST							\$0	4
TOTA	L ESTIMATED PROJECT C	OSTS (firstimated Costs + Es	scalation Cost Inci	ease)				\$11,642,829	)
	1. 1	<b>大一</b> 儿						DATE 4-27	-15
APPR	OVED BY:(Governing Board	or Agency Head)	<del></del>	TITLE ASSO	ciate Vice	Char	ncellor for Fa	ncilities	,-

Lagrania

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

Ins	titution: UNC Wilmington		Advance Planning Request:
Inc	rease in Authorization from: \$ to \$		New Capital Project*: X
Pro	ject Title: UNCW Data Network Modernization	ı Wi-Fi Project	
Pro	oject Cost:		
S <sub>O</sub>	urce of Funds:		
*If	this project has previously had advance planni hority is carried. Code Item		de/item number under which that
Fo	r each advance planning project or capital c	onstruction project, please pr	ovide the following:
1.	A detailed project description and justification	n:	
	Access layer of data network is failing: nearly equipment can't support needed security and and replaces all outdated network switches an	management features. This proj	ject modernizes the access layer
2.	An estimate of acquisition, planning, design, a (Answer for capital construction only and inc.)	-	contingency and other related costs
	See attached OC-25.		
3.	An estimated schedule of cash flow requirement construction only):	ents over the life of the project	by FY quarters (Answer for capital
	FY15/16: Q1: \$2,100,000 Q2: \$2	,100,000 Q3: \$2,100,000 Q4:	\$700,000
4.	An estimated schedule for the completion of t	he project:	
	Design Start: N/A Construction Start: 8/2015	Design Complete: N/A Construction Finish: 8/2016	
5.	An estimate of maintenance and operating coccovering the first five years of operation (Ans replacement project. The cost to maintain and approved fees.	swer for capital construction onl	ly): This is an equipment
6.	An estimate of revenues, if any, likely to be d (Answer for capital construction only):	erived from the project, coverir	ng the first five years of operation
	No revenues will be derived from this project		
7.	An explanation of the means of financing:		
	Source of funding: Housing Receipts, Netcor Unrestricted University Reserves*	n Receipts, existing Educationa	al & Technology Fees, and

\*The approved FY16/17 Ed & Tech Student Fees will replenish the Unrestricted University Reserves funds

utilized for this project.

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

Form OC-25 (Rev 05/12)

DEPARTMENT and DIVISION:	UNC Wilmington				_ DATE:	04/01/15
PROJECT IDENTIFICATION: WiFi Upgrades						
PROJECT CITY or LOCATION:	New Hanover Cou	·······				
PROJECT DESCRIPTION & JUSTIFICA	TION: (Attach add'i data a	s necessary to in-	dicate need, size,	function of impro	vements as well as a master	plan.)
(Definitions/explanations are provided on pg 2 CURRENT ESTIMATED CONSTRUCTION		this form.)	QTY:	UNIT	COCT DED LINIT	TOTAL
A. Land Requirement	JN COST			ONTE	COST PER UNIT	TOTAL \$0
B. Site Preparation				i	1	Ψ
1. Demolition						\$0
2. Site Work						\$0
C. Construction						
Utility Services     Building Construction (field h						\$0
<ol> <li>Building Construction (field h</li> <li>Building Construction (stadium)</li> </ol>			<b>_</b>			\$0 \$0
4. Plumbing (new space)	sir oodaaag aroo)					\$0 \$0
5. HVAC (new space)						\$0
6. Electrical (Includes TV & Ra						\$0
7. Fire Supression and Alarm S	ystems					\$0
Telephone, Data, Video     Associated Construction Cost	ete.					\$0
10. Other:	513		<b></b>			\$0
10. Other:		_				\$0.
10. Other:		_				\$0
D. Equipment				411-	1 6 0 750 000 00	40.770.000
<ol> <li>Fixed Switch Gear and Cabli</li> <li>Moveable</li> </ol>	ng			1 ls	\$ 6,750,000.00	\$6,750,000 \$0
ESTIMATED CONSTRUCTION COSTS	3		L	1119		\$6,750,000
Items below may be calculated by percentage or		sum, make entry	r in \$ field.			40,1.00,000
DESIGN FEE	0 %	(% of Estimate	ed Construction	Costs)		\$0
PRECONSTRUCTION COSTS			ed Construction			\$0
COMMISSIONING			1.0% moderate	; 1.5% comple:	x)	\$47,500
SPECIAL INSPECTIONS/MATERIALS		(1.25% estima				\$0
SUSTAINABILITY	<u> </u>	,	old, 2% LEED Si	,		\$0
ADVANCE PLANNING	0 %		ramming, feasibi ed Construction			\$0
CONTINGENCIES			ed Construction	•	v or 5% R&R] )	\$202,500
ESTIMATED COSTS (% of Estimated	Construction Costs + Co	ntingangine ± D	acian Faol			\$7,000,000
Escalation = percent per month multiplied		imigendes 1 D	coign rec/		i	Ψ,,000,000
(From Est. Date to mid-point of construction	•	6	months		% per month	
General Bidgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-	35 mos = .12%; 36-47 mos = .1	16%; 48-60 mos =	.18%			
Health Bidgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17			33%; 36-47 mos = .:	36%; 48-60 mos =	= .38% Γ	5-1
ESCALATION COST INCREASE (Total of		·			Į.	\$0
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Esc	calation Cost Incre	ease)			\$7,000,000
APPROVED BY: Governing Board or Age	nex Head)		TITLE AVE	- Fac	dition 1	DATE 4/24/15
and the second s						

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

Institution:	Western Carolina University	Advance Planning Request:
	rization from: \$0 to \$593,616 nds University Center Roof Replacement	New Capital Project*: X
Project Cost: \$59	23,616	
Source of Funds:	University Center Reserves	
1 3	s previously had advance planning authority, please d. Code Item	identify code/item number under which that

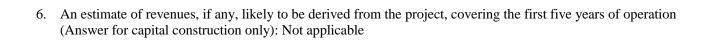
### For each advance planning project or capital construction project, please provide the following:

- 1. A detailed project description and justification: The Hinds University Center will need a roof replacement in the immediate future. The existing roofing membrane is deteriorating quickly, and will need to be replaced to ensure the building envelope integrity. The roofing membrane is compromised in several areas, with longitudinal cracks forming in the membrane, as well as several areas of the membrane being absent, leaving the underlying scrim exposed to the elements. The new proposed roof is a single ply membrane with a 20 year warranty, and associated waterproofing and flashing details will be reviewed and designed accordingly.
- 2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (a completed OC-25 form) \$593,616
- 3. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):

Quarter	Contingency	Design	Construction	Total
FY16-Q1		10,000		10,000
FY16-Q2		30,000	100,000	130,000
FY16-Q3		10,000	200,000	210,000
FY16-Q4	24,445	8,668	100,000	133,113
FY17-Q1			110,503	110,503
Total	24,445	58,668	510,503	593,616

- 4. An estimated schedule for the completion of the project: 8/1/16
- 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):

Not applicable



7. An explanation of the means of financing:

University Center reserves

# STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE OPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT

Form OC-25 (Rev 05/12)

### PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT BIENNIUM 2013 - 2015

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

DEPAF	RTMENT and DIVISION:	Western Carolina l	Jniversity			DATE	: 02/04/15		
PROJE	ECT IDENTIFICATION:	Hinds University Center Roof Replacement							
PROJE	CT CITY or LOCATION:	Cullowhee, NC							
PROJE	PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)								
	nds University Center will need a roo								
	eplaced to ensure the building envelo	•		•	•		• • •		
	ane, as well as several areas the me		-	•		-	_		
	mbrane with a 20 year warranty, and								
p.,	, , , , , , , , , , , , , , , , , , ,		g				3.7.		
CURRE	ENT 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					-			
	Utility Services						\$0		
	2. Building Construction (new spa	ce)					\$0		
	3. Building Construction (existing)						\$0		
	4. Plumbing (new space)						\$0		
	5. HVAC (new space)						\$0		
	6. Electrical (Includes TV & Radio						\$0		
	7. Fire Supression and Alarm Sys	tems					\$0		
	8. Telephone, Data, Video						\$0		
	9. Associated Construction Costs						\$11,000		
		molition & Replaceme	<u>e</u>	30,000	SF	\$ 15.93	\$477,900		
D.	Equipment						Ι		
	1. Fixed						\$0		
ГСТІМ	2. Moveable						£400.000		
	ESTIMATED CONSTRUCTION COSTS \$488,900								
Items be	elow may be calculated by percentage or l	ump sum. If using lump	sum, make entr	y in \$ field.					
DESIG	N EEE -	12 %	/0/ of Estimate	ed Construction C	`aata)		\$58,668		
	ONSTRUCTION COSTS		•	ed Construction C	,	CM@Diald \	\$0		
			•		-		\$0		
	ISSIONING			1.0% moderate;	1.5% complex	()	\$12,600		
	AL INSPECTIONS/MATERIALS		(1.25% estima		,		\$12,000		
5051 <i>P</i>	AINABILITY -		(3% LEED G0	ld, 2% LEED Silv	er)		φυ		
				amming, feasibili					
ADVAN	ICE PLANNING	%	(% of Estimate	ed Construction C	Costs)		\$0		
CONTI	NGENCIES	5 %	(% of Estimate	ed Construction C	Costs [3% Nev	v or 5% R&R1 )	\$24,445		
001111	-		(70 Or Edimate	od Conourdouon C	70010 [0 70 1101	VOI 070 RONG /	Ψ= 1, 1.10		
ESTIM	ATED COSTS (% of Estimated Co	onstruction Costs + Cor	ntingencies + De	esian Fee)			\$584,613		
	tion = percent per month multiplied by		illigencies i De	53igii i 66)			φσσ 1,σ 1σ		
			7	months	0.22	% ner month			
•	(From Est. Date to mid-point of construction) = 7 months 0.22 % 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%									
					.JU /0, 40-0U INOS	00 /0	¢0.002		
ESUAL	ATION COST INCREASE (Total of	Laumateu Constructio	III GUSIS X ESC	aiauuii 70)			\$9,003		
TOTAL	L ESTIMATED PROJECT COSTS	(Estimated Construction	on Costs + Escala	ation Cost Increase	)		\$593,616		
		,			•				

### 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 Project Title: Lot 73 Page 1988	rew capital rioject :	
Project Cost: \$2,552,15	51	
Source of Funds: Parking	ng operation receipts	
*If this project has prev authority is carried. Co	iously had advance planning authority, please ident de Item	ify code/item number under which that

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

- A detailed project description and justification: The faculty apartment buildings are slated for demolition as part
  of the 2014 Campus Master Plan. Built in 1974, the apartment buildings require several costly life cycle upgrades,
  including significant accessibility upgrades. The site will be repurposed as a parking area, in order to capture the
  campus parking need, as well as address transportation efficiencies. The proposed parking lot is considered part of
  a larger effort to consolidate and relocate internal campus parking towards campus edges, and will accommodate
  approximately 546 spaces.
- 2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (a completed OC-25 form) \$2,552,551
- 3. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):

Quarter	Contingency	Design	Construction	Total
FY16-Q1	0	25,000		25,000
FY16-Q2	0	25,000		25,000
FY16-Q3	0	25,000	1,000,000	1,025,000
FY16-Q4	110,915	25,000	1,000,000	1,135,915
FY17-Q1	0	10,915	300,321	311,236
Total	110,915	110,915	2,300,321	2,522,151

4. An estimated schedule for the completion of the project: 7/30/16

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):

Not applicable

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):

Fiscal Year	Parking Operation Receipts
2016-17	176,904
2017-18	218,400
2018-19	218,400
2019-20	218,400
2020-21	218,400
Total	1,050,504

7. An explanation of the means of financing:

## STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE DROSED BERAIR & RENOVATION OF CARITAL IMPROVEMENT PROJECT

Form OC-25 (Rev 05/12)

### PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT BIENNIUM 2013 - 2015

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

DEPARTMENT and DIVISION:	Western Carolina	University			DATE	: 03/04/15
PROJECT IDENTIFICATION:	OTH FOLORY			•		
PROJECT IDENTIFICATION:  PROJECT CITY or LOCATION:  Cullowhee, NC						
PROJECT DESCRIPTION & JUSTIFICAT		s necessary to ind	licate need size fu	nction of improv	vements as well as a maste	er plan )
The faculty apartment buildings are slated costly life cycle upgrades, including significantly parking need, as well as address transport internal campus parking towards campus	for demolition as part cant accessibility upgrated tation efficiencies. The	of the 2014 C ades. The site proposed par	ampus Master F will be repurpos rking lot is consi	Plan. Built in sed as a par dered part o	1974, the apartment be king area, in order to o	ouildings require several capture the campus
CURRENT ESTIMATED CONSTRUCTIO	N COST		QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement	11 0001		QII	UNIT	COSTFERONT	\$0
B. Site Preparation						ΨΟ
Demolition (Building + HAZMA	AT Remediation)		35565	SF	\$ 14.86	\$528,496
2. Site Work (Site + HAZMAT Re				Acre	\$ 68,750.00	
C. Construction	,		<u> </u>		1 7 20,	+
Utility Services						\$0
Building Construction (new sp	ace)		546	Per Space	\$ 2,290.28	
Building Construction (existing a second construction)					_,,	\$0
4. Plumbing (new space)	,					\$0
5. HVAC (new space)						\$0
6. Electrical (Includes TV & Radi	io Studio)					\$0
<ol><li>Fire Supression and Alarm Sy</li></ol>	/stems					\$0
8. Telephone, Data, Video						\$0
<ol><li>Associated Construction Cost</li></ol>	S			Gen Cond	8%	\$164,311
10. Other:		_				
D. Equipment						
1. Fixed						\$0
2. Moveable						
ESTIMATED CONSTRUCTION COSTS	j					\$2,218,300
Items below may be calculated by percentage or	lump sum. If using lump	sum, make enti	y in \$ field.			
DEGION SES		/0/ <b>(</b> = :: .				<b>***</b>
DESIGN FEE	5 %	`	ed Construction C	,		\$110,915
PRECONSTRUCTION COSTS		•	ed Construction C	•	• .,	\$0
COMMISSIONING			1.0% moderate;	1.5% complex	·)	\$0
SPECIAL INSPECTIONS/MATERIALS		(1.25% estima				\$27,729
SUSTAINABILITY	<u> </u>	(3% LEED Go	old, 2% LEED Silve	er)		\$0
ADVANCE PLANNING	%		ramming, feasibilited Construction C	•		\$0
CONTINGENCIES	5 %	(% of Estimate	ed Construction C	osts [3% New	or 5% R&R])	\$110,915
•	Construction Costs + Cor	ntingencies + Do	esign Fee)			\$2,467,859
Escalation = percent per month multiplied	•				0/	
(From Est. Date to mid-point of construction	•	10	-	0.22	% per month	
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-						
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17				36%; 48-60 mos	= .38%	<b>.</b>
ESCALATION COST INCREASE (Total o	t Estimated Construction	on Costs x <b>Esc</b>	alation %)			\$54,293
TOTAL ESTIMATED PROJECT COSTS	S (Estimated Construction	on Costs + Escala	ation Cost Increase)	)		\$2,522,151