Situation: NCA&T, NCSU, UNC-CH, UNCC, and WCU have requested authority to proceed

with non-appropriated capital improvements projects using available funds derived from athletic receipts, clinical service receipts, dining receipts, housing receipts, facilities and administrative funds, private donations, repairs and

renovations funds, student fees, thermal assessment funds, and trust funds.

Background: The Board of Governors may authorize capital construction projects and advance

planning projects at UNC campuses using available funds.

Assessment: NCA&T, NCSU, UNC-CH, UNCC, and WCU requested projects that meet the

Statutory requirements, and it is recommended that the Board of Governors approve the projects and their methods of funding. It is further recommended that these projects be reported to the Office of State Budget and Management as non-appropriated projects do not require any additional debt or burden on state

appropriations.

Action: This item requires a vote.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Ins	titution:	North Carolina A	A&T State University	Advance Planning Request:
Inc	crease in Authorizati	ion from: \$0	to	New Capital Project*: X
Pr(oject Title: <u>Morrow</u>	Hall Electrical an	nd Rest rooms Upgrade	
Pro	oject Cost: \$1,106,8	346		
So	urce of Funds: Hous	sing (Self Liquidat	ing Funds)	
	this project has pre- chority is carried. Co			se identify code/item number under which that
Fo	r each advance pla	nning project or	capital construction proj	ect, please provide the following:
1.	project will make age and continual electrical branch c	the existing restroof failure, and abate a ircuits and panels. ground wire for e	oms ADA compliant, repla asbestos insulation on the p The existing circuits are g ach circuit. This will requ	ry facility that houses 202 students. The proposed ucing plumbing pipes that have deteriorated due to pipes. The project will also replace the existing grounded via metal raceways. The current code tire new feeder circuits to be installed. The tiles and
2.	An estimate of cor	nstruction, conting	ency and other related cost	ts (a completed OC-25 form) is attached.
3.	An estimated sche construction only) 15%).	dule of cash flow i : August 2015 thr	requirements over the life on the life of 2016 (1st quarter	of the project by FY quarters (Answer for capital 15%, 2 nd quarter 35%, 3 rd quarter 35%, 4 th quarter
4.	An estimated sche	dule for the compl	etion of the project: Augu	ast of 2016
5.	covering the first f	ive years of opera	tion (Answer for capital co	funding to support these costs, including personnel, onstruction only): No anticipated increase in ained by University personnel.
6.				roject, covering the first five years of operation ate no additional revenues.
7.	An explanation of	the means of finar	ncing: Project funded by F	Housing Fees

PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT

Form OC-25

(Rev 05/12)

DATE: 04/28/15

DATE

BIENNIUM 2013 - 2015

North Carolina A&T State University

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

DEPARTMENT and DIVISION:

APPROVED BY: __

(Governing Board or Agency Head)

	JECT IDENTIFICATION: JECT CITY or LOCATION:	Morrow Hall Bathroo Greensboro, NC	ma and Electr	ical Upgrades				
	JECT DESCRIPTION & JUSTIFICA		ca Hall was hi	uilt in 1060 IT i	s a two stor	u facilitu t	that houses 20°) students. The proposed
					-			
insula The c	ct will make the existing restrooms ation on the pipes. The project will current code requires a separte groame time.	also replace the existing	g electrical bra	nch circuits and	I panels. Th	ne existin	g system is gro	und via metal raceways.
CHR	RENT ESTIMATED CONSTRUCTI	ONICOST		QTY	UNIT	COS	FPER UNIT	TOTAL
A.	Land Requirement	011 0031		411	ONT	000	I I ER OMI	\$0
B.	Site Preparation			L			ı	
	Demolition - Bathrooms and	l electrical		46,227	Sq Ft	\$	3.50	\$161,795
	2. Site Work				LS	\$	5,000.00	\$5,000
C.	Construction					1		
	Utility Services							\$0
	2. Building Construction (new	space)						\$0
	3. Building Construction (exist	ing) Bathrooms only		11,557		\$	7.00	\$80,899
	4. Plumbing			11,557	Sq Ft	\$	22.10	\$255,410
	5. HVAC (new space)							\$0
	6. Electrical			46,227		\$	9.50	\$439,157
	7. Fire Supression and Alarm	Systems		1	LS	\$	14,500.00	\$14,500
	8. Telephone, Data, Video							\$0
	Associated Construction Co			44 557	C Et	Φ.	4.20	\$0
D		tos Removal	_	11,557	SqFt	\$	4.28	\$49,464
D.	Equipment				1	1	ı	\$0
	 Fixed Moveable 							\$0
ECTI	MATED CONSTRUCTION COS	те						\$1,006,224
	below may be calculated by percentage		sum, make entr	y in \$ field.			L	\$1,000,224
	GN FEE			ed Construction C	nsts)		Г	\$100,622
	CONSTRUCTION COSTS			ed Construction C		CM@Risk	1)	\$0
	MISSIONING			1.0% moderate;			' '	\$0
	CIAL INSPECTIONS/MATERIALS		(1.25% estima			,		\$0
SUST	AINABILITY			ld, 2% LEED Silv	\$0			
				amming, feasibilit				4.0
	ANCE PLANNING			ed Construction C		F0/ D	o D1)	\$0
CON	TINGENCIES		(% of Estimate	ed Construction C	osts [3% Nev	v or 5% R	&R])	\$50,311
	MATED COSTS (% of Estimate ation = percent per month multiplie	d Construction Costs + Co d by number of months	ntingencies + De	esign Fee)			L	\$1,106,846
Genera	Est. Date to mid-point of construction I Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 2-	4-35 mos = .12%; 36-47 mos = .				_% per n	nonth	
	Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12- ALATION COST INCREASE (Tota				5%; 48-60 mos =	= .38%	Γ	\$0
	AL ESTIMATED PROJECT COS			•			ι Γ	\$1,106,846
. 5 . 7		Leannaica constitucti	511 00313 T E30016	anon oost meredse)			L	+ ., . 3 6 10

TITLE

Ins	stitution:	North Carolina A&T State University	Advance Planning Request:
			New Capital Project*: X
		tion from: \$0 to	
Pro	oject Title: Van St	ory Residence Hall HVAC Upgrade	
Pro	oject Cost: \$1,154,	,438	
So	ource of Funds: Hou	using (Self Liquidating Funds)	
		reviously had advance planning authority, please ide Code Item	entify code/item number under which that
Fo	or each advance pl	anning project or capital construction project, p	lease provide the following:
1.	facility that house system consists o A steam hot wate hot water depend The pipes are cor	et description and justification: Van Story Residence 232 students. The proposed project will renovate of fan coil units in each room, which are fed from a cer heat exchanger is fed by campus steam. The unit ling on the season. The room temperatures are contrastantly leaking throughout the facility causing hard e replaced throughout the building.	e the existing HVAC system. The HVAC central chiller plant located in Benbow Hall. is a two pipe system that distributes cold or rolled by individual thermostats in each room.
2.		equisition, planning, design, site development, const 2-25 form): An OC-25 form is attached	truction, contingency and other related costs
3.	An estimated sch construction only 15%).	nedule of cash flow requirements over the life of the v): August 2015 thru July of 2016 (1 st quarter 15%,	project by FY quarters (Answer for capital 2 nd quarter 35%, 3 rd quarter 35%, 4 th quarter
4.	An estimated sch	nedule for the completion of the project: August of 2	2016
5.	covering the first	naintenance and operating costs and source of funding five years of operation (Answer for capital construction). The building is currently being maintained	ction only): No anticipated increase in
6.		evenues, if any, likely to be derived from the project tal construction only): The project will generate no	
7.	An explanation o	of the means of financing: Project funded by Housin	ng Fees

Form OC-25 (Rev 05/12)

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

DEPARTMENT and DIVISION:	North Carolina A&T State University	,		_	DATE:	06/25/15
PROJECT IDENTIFICATION:	Van Story Residence Hall HVAC L	pgrade				
PROJECT CITY or LOCATION:	Greensboro, NC					
PROJECT DESCRIPTION & JUSTIFICATION						
students. The proposed project will renova						
fed from a central chiller plant located in Be						
distrubutes cold or hot water depending on						
pipes are constantly leaking throughout the	facility causing a hardship for the stu	udents. The p	ipes and ins	sulation will be	replaced	throughout
the building.						
(Definitions/explanations are provided on pg 2 to		071/			. T	TOTAL
CURRENT ESTIMATED CONSTRUCTION	COST	QTY	UNIT	COST PER	RUNII	TOTAL
A. Land Requirement						\$0
B. Site Preparation						
 Demolition (of existing pipe) 		12,872	Lin Ft	\$	1.39	\$17,892
2. Site Work						\$0
C. Construction						
 Utility Services 						\$0
Building Construction (new spa						\$0
Building Construction (existing)		38,618	Sq Ft	\$	4.00	\$154,472
Plumbing (existing)						\$0
HVAC (existing)		38,618		\$	12.77	\$493,152
Electrical (existing)		38,618	Sq Ft	\$	7.32	\$282,684
Fire Supression and Alarm Sys	tems					\$0
8. Telephone, Data, Video						\$0
Associated Construction Costs						\$0
10. Other: HVAC Co	ntrols	39,618	Sq ft	\$	1.27	\$50,315
D. Equipment	_					
1. Fixed						\$0
2. Moveable	<u> </u>					\$0
ESTIMATED CONSTRUCTION COSTS						\$998,515
Items below may be calculated by percentage or le	ump sum. If using lump sum, make entry	in \$ field.				
DESIGN FEE	10 % (% of Estimated	Construction C	nsts)		Г	\$99,851
PRECONSTRUCTION COSTS	% (% of Estimated			CM@Riskl)	F	\$0
COMMISSIONING	0.5 % (0.5% simple; 1.		-			\$4,993
SPECIAL INSPECTIONS/MATERIALS	% (1.25% estimate		1.070 complex	^/	-	\$0
SUSTAINABILITY	% (3% LEED Gold	•	er)		-	\$0
-					F	:
ADVANCE PLANNING	Includes prograi % (% of Estimated	-				\$0
CONTINGENCIES	5 % (% of Estimated	Construction C	osts [3% Nev	w or 5% R&R])		\$49,926
ESTIMATED COSTS (% of Estimated Co	onstruction Costs + Contingencies + Des	sign Fee)				\$1,153,284
Escalation = percent per month multiplied by	•	,			L	
(From Est. Date to mid-point of construction)		months	0.025	5 % per month		
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35		.18%		_		
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 r	mos = .26%; 18-23 mos = .29%; 24-35 mos = .3	3%; 36-47 mos = .	36%; 48-60 ma	os = .38%		
ESCALATION COST INCREASE (Total of					[\$1,153
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Escalation Cost Incre	ase)			ſ	\$1,154,438

Inst	titution:	NC State Univ	ersity		Advance Planning Request:
		ation from: \$ Hill Accessibility		provements	New Capital Project*: X
Pro	ject Cost: \$700	,000			
Sou	arce of Funds: L	ibraries F&A accou	unt		
		reviously had adva Code It		hority, please ide	entify code/item number under which that
For	each advance p	olanning project o	r capital constru	ıction project, p	lease provide the following:
1.	A detailed proje	ct description and j	ustification:		
	with non-alignin structural system accessible route	ng floors. All current to carry additionate to access the Erdah	nt stops are withing loads of extendant Cloyd Wing w	n the Old Books led elevator servi ith a new elevator	kstacks adjacent to the Erdahl Cloyd Wing tacks. This project will modify the cab and the ce. This change will provide an improved or stop. The elevator well will be modified to hicroprocessor-based signal control system.
2.	An estimate of a (a completed OC		g, design, site de	evelopment, cons	truction, contingency and other related costs
	See attached OC	C-25.			
3.	An estimated sci construction onl		requirements o	ver the life of the	project by FY quarters (Answer for capital
	FY 2016 FY 2017	<u>Q1</u> \$225,937	Q2 \$11,302 \$310,362	<u>Q3</u> \$24,598 \$67,599	<u>Q4</u> \$9,150 \$51,052
4.	An estimated scl	hedule for the comp	pletion of the pro	oject:	
	Design start: 12/ Construction Sta	/16/15 Designart: 7/13/16 Cons	gn Complete: 5/1 truction Comple		
5.		naintenance and op at five years of oper			ng to support these costs, including personnel, action only):
	N/A				
6.		evenues, if any, lik		from the projec	t, covering the first five years of operation
	No revenues wil	ll be derived from t	his project.		

7. An explanation of the means of financing:

Libraries F&A funds will finance the design and construction of this project.

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

Form OC-25 (Rev 05/12)

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

DEPARTMENT and DIVISION:	ate University							
PROJECT IDENTIFICATION:	DH Hill Accessibili							
PROJECT CITY or LOCATION:	Raleigh - North Ca							
PROJECT DESCRIPTION & JUSTIFICAT	ION: (Attach add'l data a	s necessary to inc	dicate need, size, fu	nction of improv	ements as well a	as a master	plan.)	
The existing north tower elevator is located	in the DH Hill Old B	ookstacks adi	acent to the Ero	lahl Clovd W	ing with non-	aligning fl	loors All current stone	
are within the Old Bookstacks. This project	t will modify the cab a	and the structu	ural system to c	arry addition:	al loads of ex	tended el	levator service. This	
change will provide an improved accessible	e route to access the	Erdahl Cloyd	Wing with a ne	w elevator st	op. The eleva	ator well v	will be modified to	
install a new hydraulic jack assembly in ad	dition to upgrading th	e microproce	ssor-based sign	al control sys	stem.	ALO: WON T	THE DO THOUSING TO	
(Definitions/explanations are provided on pg 2 to		f this form.)						
CURRENT ESTIMATED CONSTRUCTION	N COST		QTY	UNIT	COST PE	RUNIT	TOTAL	
A. Land Requirement							\$0	
B. Site Preparation								
Demolition							\$0	
2. Site Work							\$0	
C. Construction								
Utility Services	16.7						\$0	
Building Construction (new spanning)							\$0	
Building Construction (existing			1	lump sum	\$ 49	8,245.00	\$498,245	
4. Plumbing (new & existing space	e)						\$0	
5. HVAC (new & existing space)			1	lump sum		6,550.00		
6. Electrical (existing space)	-t (0!-t!-		1	lump sum		3,040.00		
 Fire Supression and Alarm Sys Telephone, Data, Video (new 		g space)	1	lump sum	\$	4,130.00		
Service of the s			-	I	•		\$0	
10. Other:	I.			lump sum	\$ 1	3,048.00	\$13,048	
D. Equipment		* 0					\$0	
1. Fixed							40	
2. Moveable							\$0	
ESTIMATED CONSTRUCTION COSTS							\$0 \$605.043	
Items below may be calculated by percentage or lu	ımp sum. If usina lump	sum, make entry	in \$ field			ı	\$605,013	
,	, , ,	, c,	🗸					
DESIGN FEE	10 %	(% of Estimate	ed Construction C	osts)		I	\$60,501	
PRECONSTRUCTION COSTS	0.35 %	(% of Estimate	ed Construction C	osts [1% for C	M@Risk1 \	1	\$2,118	
COMMISSIONING	%	(0.5% simple:	1.0% moderate;	1.5% complex))	ŀ	\$0	
SPECIAL INSPECTIONS/MATERIALS	0.35 %	(1.25% estima	nted)		<i>'</i>	ŀ	\$2,118	
SUSTAINABILITY			ld, 2% LEED Silv	er)		ŀ	\$0	
-				77.00 N			ΨΟ	
ADVANCE PLANNING	%	1% of Estimate	amming, feasibilited Construction C	y, analysis			00	
·							\$0	
CONTINGENCIES	5 %	(% of Estimate	ed Construction C	osts [3% New	or 5% R&R])	l	\$30,251	
						Γ		
	onstruction Costs + Cor	ntingencies + D	esign Fee)			- 1	\$700,000	
Escalation = percent per month multiplied by						-		
(From Est. Date to mid-point of construction)		9	_	0	% per month			
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35	mos = .12%; 36-47 mos = .	16%; 48-60 mos =	.18%					
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m	nos = 26%: 18-23 mos = 20	9%· 24_35 mas = 3	33% · 36_47 mos = 36	30/- 49 60 mas =	200/			
ESCALATION COST INCREASE (Total of			30 /6, 30 -4 / 11105 – .30	576, 40-60 IIIOS =	.30%	Г		
· · · · · · · · · · · · · · · · · · ·		•				L	\$0	
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Esc	calation Cost Incre	ease)			Γ	\$700,000	
						L	- March	
APPROVED BY:	<u> </u>		TITLE University	Architect		_ [DATE 6.12.15	
(Governing Board or Agend	y Head)							

Ins	titution:	NC State Univ	versity		Advance Planning Request:				
	rease in Authoriza		to \$	_	New Capital Project*: X				
	oject Cost: \$500								
			T . F 1						
Soi	urce of Funds: <u>C</u>	entennial Campus	s Trust Funds						
	this project has pr hority is carried. (hority, please ide	entify code/item number under which that				
Fo	r each advance pl	anning project o	or capital constru	iction project, p	lease provide the following:				
1.	A detailed projec	t description and	justification:						
	Center to the future spans across the study during the project	nre Town Center (northeast area of late. This bridge with the connect to the conn	existing Lake Ra Lake Raleigh. The ll be a vital conne	leigh fishing area e specific location ection for visitors	anect the StateView Hotel and Conference a). The approximately 450 foot boardwalk in and construction type will be determined to use while staying at the Hotel and int services planned for Town Center, along				
2.	An estimate of ac (a completed OC		ng, design, site de	velopment, cons	truction, contingency and other related costs	S			
	See attached OC-	-25							
3.	An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):								
	FY 2016 FY 2017	<u>Q1</u> \$4,686 \$257,034	<u>Q2</u> \$12,690 \$120,960	Q3 \$21,671 \$37,132	Q4 \$18,068 \$27,759				
4.	An estimated sch	edule for the com	pletion of the pro	oject:					
	Design Start: Sep Construction Star			plete: March 201 Complete: Nove					
5.	An estimate of m covering the first				ng to support these costs, including personn ction only):	el,			
	N/A								
6.		evenues, if any, lil tal construction o	-	from the project	t, covering the first five years of operation				

7. An explanation of the means of financing:

No revenues are expected to be derived from this project.

Centennial Campus Trust Funds will finance the design and construction of this project.

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

BIENNIUM 2013 - 2015

Form OC-25 (Rev 05/12)

DEPARTMENT and DIVISION: North Carolina State University DATE: 06/10/15 PROJECT IDENTIFICATION: Lake Raleigh Bridge PROJECT CITY or LOCATION: Raleigh - Centennial Campus Precinct PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.) This project designs and constructs a "boardwalk" type bridge to connect the StateView Hotel to the future Town Center (existing Lake Raleigh fishing area). The approximately 450 foot boarkwalk spans across the northeast area of Lake Raleigh. The specific location and construction type will be determined during the project. This bridge will be a vital connection for visitors to use while staying at the Hotel and Conference Center to connect to the vast array of retail and restaurant services planned for Town Center, along with other amenities Centennial Campus has to offer. (Definitions/explanations are provided on pg 2 to assist in completion of this form.) CURRENT ESTIMATED CONSTRUCTION COST QTY. UNIT COST PER UNIT Land Requirement A. \$0 B. Site Preparation 1. Demolition \$0 2. Site Work 1 lump sum 50.000.00 \$50,000 C. Construction 1. Utility Services \$0 2. Building Construction (new space) 450 linear feet 800.00 \$360,000 3. Building Construction (existing) \$0 4. Plumbing (new & existing space) \$0 5. HVAC (new & existing space) \$0 6. Electrical (new & existing space) 450 linear feet 10.00 \$4,500 7. Fire Supression and Alarm Systems (new & existing space) \$0 8. Telephone, Data, Video (new & existing space) \$0 9. Associated Construction Costs 1 lump sum \$ 19,340.00 \$19.340 10. Other: \$0 D. Equipment 1. Fixed \$0 2. Moveable \$0 **ESTIMATED CONSTRUCTION COSTS** \$433,840 Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field. **DESIGN FEE** 10 % (% of Estimated Construction Costs) \$43.384 PRECONSTRUCTION COSTS 1 % (% of Estimated Construction Costs [1% for CM@Risk]) \$4,338 % (0.5% simple; 1.0% moderate; 1.5% complex) COMMISSIONING \$0 1.25 % (1.25% estimated) SPECIAL INSPECTIONS/MATERIALS \$5,423 SUSTAINABILITY % (3% LEED Gold, 2% LEED Silver) Includes programming, feasibility, analysis ADVANCE PLANNING % (% of Estimated Construction Costs) \$0 CONTINGENCIES 3 % (% of Estimated Construction Costs [3% New or 5% R&R]) \$13,015 ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee) \$500,001 Escalation = percent per month multiplied by number of months (From Est. Date to mid-point of construction) = 12 months 0 % per month General Bidgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 mos = .16%; 48-60 mos = .18% Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos = .33%; 36-47 mos = .36%; 48-60 mos = .38% ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %) \$0 TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) \$500,001 APPROVED BY: tha DATE 6.12.15 TITLE University Architect

(Governing Board or Agency Head)

Increase in Authorization from: \$ to \$	New Capital Project*: X						
Project Title: Murphy Center Locker Room Upgrade							
Project Cost: \$472,000							
Source of Funds: Athletics Receipts							
*If this project has previously had advance planning authority, please identify code/item authority is carried. Code Item	number under which that						
For each advance planning project or capital construction project, please provide the	ne following:						
1. A detailed project description and justification:							
This project renovates the team locker room in the Murphy Center with updated floo lockers.	ring, wall finishes, and						
An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (a completed OC-25 form)							
See attached OC-25.							
 An estimated schedule of cash flow requirements over the life of the project by FY q construction only): 	uarters (Answer for capital						
FY 2016 Q1 Q2 Q3 Q4 \$295,521							
4. An estimated schedule for the completion of the project:							
Design Start: 9/1/15 Design Complete: 11/1/15 Construction Start: 12/1/15 Construction Complete: 1/7/16							
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 fit (Answer for capital construction only):	rst five years of operation						
No revenues are expected to be derived from this project.							
7. An explanation of the means of financing:							
Athletics receipts are financing this project							

Form OC-25 (Rev 05/12)

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

	RTMENT and DIVISION:	North Carolina Sta	ate University			DATE:	06/12/15
	ECT IDENTIFICATION:	Murphy Center Lo				-	
	ECT CITY or LOCATION:	Raleigh - West Ca					
PROJE	ECT DESCRIPTION & JUSTIFICATION	ON: (Attach add'l data a	s necessary to ind	icate need, size, fu	inction of improv	rements as well as a master	plan.)
This pr	oject renovates the team locker room	n in the Murphy Cen	ter with update	ed flooring, wal	l finishes, gra	aphics, and lockers	pian.)
	ons/explanations are provided on pg 2 to		this form.)				
	ENT ESTIMATED CONSTRUCTION	0081		QTY	UNIT	COST PER UNIT	TOTAL
A.	Land Requirement						\$0
B.	Site Preparation						
	Demolition				37.00		\$0
2	2. Site Work						\$0
C.	Construction						
	Utility Services						\$0
	2. Building Construction (existing s	space)		1	lump sum	\$ 135,435.00	\$135,435
	3. Building Construction (new space	ce)				, , , , , , , ,	\$0
	4. Plumbing (new & existing space	e)					\$0
	5. HVAC (new & existing space)						\$0
	6. Electrical (new & existing space	e)					\$0
	7. Fire Supression and Alarm Syst	tems (new & existing	g space)				\$0
	8. Telephone, Data, Video (existir	ng space)	50 50 50				\$0
	9. Associated Construction Costs						\$0
	10. Other:						\$0
D.	Equipment		-				ΨΟ
	1. Fixed (lockers)			1	lump sum	\$ 275,000.00	\$275,000
	2. Moveable		2		Tamp Cam	270,000.00	\$0
ESTIM.	ATED CONSTRUCTION COSTS		:1	· · · · · · · · · · · · · · · · · · ·			\$410,435
Items bel	ow may be calculated by percentage or lun	mp sum. If using lump :	sum, make entry	in \$ field.		a d	\$410,433
DESIGI	N FEE	10 %	(% of Estimate	d Construction (Costs)	1	\$41,044
PRECC	NSTRUCTION COSTS	%	(% of Estimate	d Construction C	nete [1% for ('M@Bickl \	\$0
	SSIONING	%	(0.5% simple; 1	1 0% moderate:	1 50% complex	ninimition])	
	AL INSPECTIONS/MATERIALS		(1.25% estimat	,	\$0		
	INABILITY		(3% LEED Gold		\$0		
000171	_				*.		\$0
ADVAN	CE PLANNING	%	Includes progra (% of Estimated	mming, feasibili d Construction C	ty, analysis osts)	>-	\$0
CONTIN	NGENCIES	5 %	(% of Estimated	d Construction C	osts [3% New	or 5% R&R])	\$20,522
		nstruction Costs + Cor	ntingencies + De	sign Fee)			\$472,000
	on = percent per month multiplied by						
(From E	st. Date to mid-point of construction) =		6	months	0	% per month	
General BI	dgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 m	nos = .12%; 36-47 mos = .1	16%; 48-60 mos = .	18%			
	gs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mo			3%; 36-47 mos = .36	5%; 48-60 mos =	.38%	
	ATION COST INCREASE (Total of E					L	\$0
TOTAL	ESTIMATED PROJECT COSTS	(Estimated Costs + Esc	alation Cost Increa	ase)		[\$472,000
APPRO'	VED BY: (Governing Board or Agency	(Head)		TITLE University	Architect		DATE 6:12:15

Inst	itution:	NC State Univer	sity		Advance Planning Request:			
	rease in Authorizatiject Title: Barbou			_	New Capital Project*: X	_		
Pro	ject Cost: <u>\$450,0</u>	00						
Sou	rce of Funds: Cen	tennial Campus Tı	rust Fund					
	this project has prev			hority, please ide	entify code/item number under which that			
For	each advance pla	nning project or o	capital constru	iction project, p	lease provide the following:			
1.	A detailed project	description and jus	stification:					
	implement constru- will be developed a Drive will become	ction of the northe as a divided two-la the northbound la	rn most section ane avenue with ne, while a nev	n of Barbour with n a median and a w southbound lan	r Drive from Bilyeu Street to Blair Drive and a stormwater improvements. Barbour Drive in All-Campus Path. The existing Barbour we will be created to the west. The projecting, street trees, and domestic water line.	l		
2.	An estimate of acq (a completed OC-2		design, site de	velopment, cons	truction, contingency and other related costs			
	See attached OC-2	5.						
3.	An estimated sched construction only):		equirements ov	ver the life of the	project by FY quarters (Answer for capital			
	FY 2016 FY 2017 FY 2018	Q1 \$345 \$26,173 \$3,204	<u>Q2</u> \$11,207 \$307,058	Q3 \$11,207 \$30,450	Q4 \$27,241 \$33,115			
4.	An estimated sched	dule for the compl	etion of the pro	oject:				
	Design Start: 10/1/ Phase 1 Constructi		Design Complete: 6/30/16 Phase 1 Construction Complete: 11/30/16					
5.	An estimate of mai covering the first find N/A				ng to support these costs, including personnel ction only):	l,		
6.	An estimate of revo			from the project	t, covering the first five years of operation			
	No revenues will b	e derived from thi	s project.					

Revised 5-14-2014

7. An explanation of the means of financing:

Centennial Campus Trust Funds will finance the design and construction of this project.

Form OC-25 (Rev 05/12)

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

	MENT and DIVISION:	te University				DATE:	06/11/15	
	CT IDENTIFICATION:	Barbour Drive Rea						
	CT CITY or LOCATION:	Raleigh - Centenni						
PROJEC	T DESCRIPTION & JUSTIFICATION	ON: (Attach add'l data as	necessary to indic	ate need, size, fund	ction of improve	ements as w	ell as a master i	olan.)
This proj	ect will develop a realignment stree	et master plan of Bart	oour Drive from	Bilyeu St to Bl	air Drive and	d impleme	nt the northe	rn most section of
Barbour	with stormwater improvements. Ba	rbour Drive will be de	veloped as a d	livided two lane	avenue witi	n a mediar	and an All	Campus Path. The
existing	Barbour Drive will become the north	bound lane. A new	southbound lar	ne will be create	ed to the we	st. The pro	ject design i	ncludes stormwater,
street wi	th curb and gutter, street lighting, st	reet trees, and dome	stic water line.					
/Definition	ns/explanations are provided on pg 2 to	acciet in completion o	filia farma					
	NT ESTIMATED CONSTRUCTION		it this form.)	OTV	COLUMN TO CO	T. 000T	DEB LOWE	
	and Requirement	0031		QTY	UNIT	COST	PER UNIT	TOTAL
	Site Preparation					L		\$0
	. Demolition							Φ0
	2. Site Work		3	460	linear ft	\$	550.00	\$0 \$253,000
3	. Storm Water				lump sum	S	68,664.00	\$68,664
C. (Construction					Ψ	00,004.00	ψ00,004
1	. Utility Services (domestic water)		1100	linear ft	\$	60.00	\$66,000
. 2	. Building Construction (new spa-		si si			Ť	00.00	\$0
3	. Building Construction (existing)							\$0
	. Plumbing (new & existing space	e)						\$0
	. HVAC (new & existing space)							\$0
	. Electrical (new & existing space		10					\$0
	. Fire Supression and Alarm Sys		space)					\$0
	Telephone, Data, Video (new 8Associated Construction Costs	existing space)						\$0
	Other:							\$0
	quipment	×			-			\$0
	. Fixed				191	Ι		60
	. Moveable	8						\$0 \$0
	TED CONSTRUCTION COSTS		-					\$387,664
Items belo	w may be calculated by percentage or lu	mp sum. If using lump s	sum, make entry i	in \$ field.				ψου, του τ
			er en					
DESIGN	FEE			d Construction C				\$38,766
PRECON	ISTRUCTION COSTS	1 %	(% of Estimate	d Construction C	osts [1% for	CM@Risk])	\$3,877
COMMIS	SIONING	%	(0.5% simple; 1	1.0% moderate;	5)	\$0		
SPECIAL	. INSPECTIONS/MATERIALS		(1.25% estimat			\$4,846		
SUSTAIN	ABILITY _	%	(3% LEED Gol	d, 2% LEED Silve	er)		8	\$0
			Includes progra	amming, feasibilit	v. analysis			
ADVANC	E PLANNING	%		d Construction C				\$0
CONTIN	GENCIES			d Construction C	2		(D1)	
CONTIN	-	- 70	(70 OI ESUITIALE	a Construction C	osis [3% Nev	N or 5% R8	(K])	\$11,630
FSTIMAT	ED COSTS (% of Estimated Co	onstruction Costs + Co	ntingencies + De	eign Eoo)				C446 702
	n = percent per month multiplied by		itingenoies - De	ssign ree;				\$446,783
	. Date to mid-point of construction) =	mamber of montro	18	months	0.04	% per mo	nth	
*	gs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35	mos = .12%; 36-47 mos = .			0,04	_ /6 per mo	aru i	
	:: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m			33%; 36-47 mos = .3	6%; 48-60 mos	= .38%	42	
ESCALA [*]	TION COST INCREASE (Total of E	stimated Costs x Esc	alation %)					\$3,217
TOTAL	ESTIMATED PROJECT COSTS	(Estimated Costs + Es	ralation Cost Incr	22001				
		(Louinated Oosto + Lo	odiation oost incit	503E)			ı	\$450,000
APPROV	ED BY: Lina th			TITLE University	Architect			DATE 6.12.15
	(Governing Board or Agenc	y Head)		Jiii toloity	·······································			

	itution:	The U	niversity of No	orth Carolin	a at Chap	el Hi	11	Ad			g Request	
Incr	ease in Auth	orization from:	\$_0 to	\$31,450,17	<u>'3</u>				New Ca	іріта	l Project*:	
Proj	ject Title: Wi	lson Hall Anne	ex Renovation	1								
Proj	ject Cost: \$3	31,450,173										
Sou	rce of Funds	: F&A Funds										
		as previously h			ority, ple	ase id	lentify cod	le/ite	em numbe	r un	der which that	
For	each advan	ce planning p	roject or capi	tal constru	ction pro	ject,	please pro	ovid	e the follo	win	g:	
1.	Provide deta	iled description	n and justifica	tion:								
occi labo faci	upied by the oratories, win	ess the building	Biology and have ivarium. The r	nouses 11 re renovation v	search-ac vill provid	tive F de a n	Principal In ew state-c	nves of-th	stigators, 7 e-art labor	rese	earch/teaching y and vivarium	
2.	(Answer for	capital constru	ection only and	•				cont	tingency a	nd o	ther related cost	S
	See atta	ched OC-25 fo	rm.									
_			. ~					_				
	An estimate construction	d schedule of c	ash flow requi	irements ove	er the life	of th	e project b	y F	Y quarters	(An	swer for capital	l
		d schedule of c only)	-	irements over			e project t	-	Y quarters 2016-17		nswer for capital	l
	construction	d schedule of c only)	3Q 2015-16 \$ 450,0	4Q 201:				-	-			1
1Q \$	construction 2015-16	d schedule of c only) 2Q 2015-16 \$ 300,000	3Q 2015-16 \$ 450,0	4Q 201:	5-16	1Q 2	016-17	2Q \$	2016-17	3Q \$	2016-17	1
1Q \$ 4Q	2015-16 - 2016-17	d schedule of conly) 2Q 2015-16 \$ 300,000 Q2017-18 2Q	3Q 2015-16 \$ 450,0 02017-18 30	4Q 201:	5-16 600,000 4Q2017-	1Q 2 \$	016-17 780,000 1Q2018-1	2Q \$	2016-17 870,000	3Q \$	2016-17 995,756	1
1Q \$ 4Q \$	2015-16 - 2016-17 10 1,138,007 \$	d schedule of conly) 2Q 2015-16 \$ 300,000 Q2017-18 2Q	3Q 2015-16 \$ 450,0 02017-18 30 3,414,021 \$	4Q 201: 000 \$ Q2017-18 6 5,263,282	5-16 600,000 4Q2017- \$ 5,121	1Q 2 \$	016-17 780,000 1Q2018-1	2Q \$	2016-17 870,000 2Q2018-1	3Q \$	2016-17 995,756 3Q2018-19	1
1Q \$ 4Q \$	2015-16 - 2016-17 1,138,007 An estimate	d schedule of conly) 2Q 2015-16 \$ 300,000 22017-18 2,276,014 \$	3Q 2015-16 \$ 450,0 22017-18 30 3,414,021 \$ the completion	4Q 2013 000 \$ Q2017-18 5 5,263,282 n of the proj	5-16 600,000 4Q2017- \$ 5,121 ect:	1Q 2 \$ 18 ,031	016-17 780,000 1Q2018-19 \$ 4,267,	2Q \$	2016-17 870,000 2Q2018-1	3Q \$	2016-17 995,756 3Q2018-19	1
1Q \$ 4Q \$	2015-16 - 2016-17 1,138,007 An estimate	d schedule of conly) 2Q 2015-16 \$ 300,000 22017-18 2,276,014 \$ d schedule for	3Q 2015-16 \$ 450,0 22017-18 30 3,414,021 \$ the completion	4Q 2013 000 \$ Q2017-18 5 5,263,282 n of the proj	5-16 600,000 4Q2017- \$ 5,121 ect:	1Q 2 \$ 18 ,031	016-17 780,000 1Q2018-19 \$ 4,267,	2Q \$	2016-17 870,000 2Q2018-1	3Q \$	2016-17 995,756 3Q2018-19	1
1Q \$ 4Q \$	2015-16 2016-17 1,138,007 An estimate Begin d An estimate	d schedule of conly) 2Q 2015-16 \$ 300,000 22017-18 2,276,014 \$ d schedule for esign: October	3Q 2015-16 \$ 450,0 22017-18 30 3,414,021 \$ the completion 2015; comple	4Q 2013 000 \$ Q2017-18 6 5,263,282 In of the projecte construction	5-16 600,000 4Q2017- \$ 5,121 ect: ion Janua	1Q 2 \$ 18 ,031 ary 20	016-17 780,000 1Q2018-19 \$ 4,267,	2Q \$ 9 526	2016-17 870,000 2Q2018-1 \$ 3,698,	3Q \$ 9 522	2016-17 995,756 3Q2018-19	
1Q \$ 4Q \$ 4.	construction 2015-16 - 2016-17 1,138,007 \$ An estimate Begin d An estimate covering the	d schedule of conly) 2Q 2015-16 \$ 300,000 22017-18 2,276,014 \$ d schedule for esign: October of maintenance	3Q 2015-16 \$ 450,0 22017-18 30 3,414,021 \$ the completion 2015; comple e and operation of operation	4Q 201: 000 \$ Q2017-18 6 5,263,282 In of the projecte construction ag costs and (Answer for	5-16 600,000 4Q2017- \$ 5,121 ect: ion Janua source of	1Q 2 \$ 18 ,031 ary 20	016-17 780,000 1Q2018-19 \$ 4,267,: 19	2Q \$ 9 526 port y): r	2016-17 870,000 2Q2018-1 \$ 3,698, these cost	3Q \$ 9 522	2016-17 995,756 3Q2018-19 \$ 2,276,014	

7. An explanation of the means of financing: F&A Funds

Form OC-25 (Rev 05/12)

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

DEPARTMENT and DIVISION:	The University of I		at Chape! Hill		-	DATE:	06/26/15
PROJECT IDENTIFICATION:							
PROJECT CITY or LOCATION:	Chapel Hill, NC						
PROJECT DESCRIPTION & JUSTIFICATI							
This project will be a comprehensive renov-							
and houses 11 research-active Principal In-	vestigators, 7 researd	h/teaching lab	oratories, wind	tunnel and vi	varium	. The renovation	will provide a new
state-of-the-art laboratory and vivarium faci	lity and address the b	ouilding envelo	pe, building sys	tems and life	safety	deficiencies and	d other deferred
maintenance items.							
CURRENT ESTIMATED CONSTRUCTION	COST		QTY	UNIT	CO	ST PER UNIT	TOTAL
A. Land Requirement							\$0
B. Site Preparation							
 Demolition - Sective Demo 				LUMP	\$	550,000.00	\$550,000
2. Site Work			45,000	SF	\$	2.00	\$90,000
C. Construction	•						
Utility Services			45,000	SF	\$	19.00	\$855,000
Building Construction (new spa							\$0
Building Construction (existing)			60,000		\$	125.00	\$7,500,000
Plumbing (existing space)			60,000		\$	50.00	\$3,000,000
HVAC (existing space)			60,000		\$	100.00	\$6,000,000
Electrical (Includes TV & Radio			60,000		\$	25.00	\$1,500,000
Fire Supression and Alarm Sys	tems		60,000	SF	\$	25.00	\$1,500,000
8. Telephone, Data, Video							\$0
Associated Construction Costs	_						\$0
· · · · · · · · · · · · · · · · · · ·	Reserves	-	1	LUMP	\$	1,500,000.00	\$1,500,000
D. Equipment		ı		111112	^	4 000 000 00	64 000 000
 Fixed Moveable 				LUMP LUMP	<u>\$</u> \$	1,000,000.00	\$1,000,000
2. Moveable ESTIMATED CONSTRUCTION COSTS		l	<u> </u>	LUMP	Þ	2,000,000.00	\$2,000,000
						L	\$25,495,000
Items below may be calculated by percentage or lu				1.3		Г	©2 204 550
DESIGN FEE		•	Construction Co		140.51	J-	\$2,294,550
PRECONSTRUCTION COSTS		•	Construction Co	_	vi@kis	K))	\$254,950
COMMISSIONING			.0% moderate; 1	.5% complex)		-	\$382,425
SPECIAL INSPECTIONS/MATERIALS		(1.25% estimate				-	\$318,687.50
SUSTAINABILITY			I, 2% LEED Silve			<u> </u>	\$509,900
ADVANCE PLANNING		•	Construction Co	•			\$254,950
CONTINGENCIES		•	Construction Co	osts [3% New o	or 5% F	^(&R))	\$1,274,750
ESTIMATED COSTS (% of Estimated Co	nstruction Costs + Conf	tingencies + Des	ign Fee)			L	\$30,785,213
Escalation = percent per month multiplied by	number of months						
(From Est. Date to mid-point of construction) =		18	months	0.12	% per i	month	
(From Est. Date to mid-point of constitution) =	,	10	monus -	V.12	vo he⊱i	HOMH	
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 r	nnn - 1984 26 47 man - 1	60/ - 40 60 mag = 1	90/				
Health Bidgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m	•	•		0/ 10 -00 mag =	2007		
ESCALATION COST INCREASE (Total of E	•	•	70, 30-47 HOS00	70, 40-00 IIIOS	3070	Г	\$664,961
LOGALITICATOOT INVINEASE (TOTAL OF	Jenialou OUS(S X ESC	watton 10)				L	
						Г	A04 48A 48A
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Esc	alation Cost Increa	sse)				\$31,450,173
la 11							\$31,450,173 ATE 6/26/15
APPROVED BY: // W		<u>. 1</u>	ITLE: Director Fac	ilities Planning		<u>D</u>	ATE 6/66/13

Ins	titution: The University of North Carolina at Chapel Hill Advance Planning Request:
	New Capital Project*: X rease in Authorization from: \$_0.00 to \$415,985.00 oject Title: Eshelman School of Pharmacy Foundation of Patient Care Teaching Space Fitup
Pro	oject Cost: \$415,985.00
Soi	urce of Funds: Facilities and Administrative Costs (F&A) and private sources
	this project has previously had advance planning authority, please identify code/item number under which that hority is carried. Code Item
	r each advance planning project or capital construction project, please provide the following:
1.	A detailed project description and justification:
Scl Scc	The intent of this project is to renovate approximately 2,905 square feet of existing unused space into new ssroom and clinical simulation teaching spaces suited to the new proposed teaching curriculum for the Eshelman nool of Pharmacy. Flexible teaching spaces are needed to increase efficiency and further enhance student learning. ope of work will include installation of walls, flooring, ceilings as well as electrical, HVAC, fire protection, imbing systems and finish upgrades.
2.	An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (a completed OC-25 form)
	See attached OC-25
3.	An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):
	3 rd Quarter 2015 - \$100,000.00 4 th Quarter 2015 - \$240,000.00
	1 st Quarter 2016 - \$75,985.00
4.	An estimated schedule for the completion of the project:
	Begin Construction 8/1/15 and complete by 1/1/16
5.	An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):
	NA
6.	An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation (Answer for capital construction only):
	NA
7.	An explanation of the means of financing:

Private funds (endowments)

Form OC-25 (Rev 09/14)

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

DEPARTMENT and DIVISION: PROJECT IDENTIFICATION:	Educational Institutions (Universities) DATE: 07/10/15 Beard Hall - Eshelman School of Pharmacy Foundation of Patient Care Teaching Space Fitup					
PROJECT CITY or LOCATION: Chapel Hill, North Carolina PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)						
The intent of the project is to renovate app spaces suited to the new proposed teachin efficiency and further enhance student lear protection, plumbing systems and finish up	g curriculum for the ning. Scope of work	Eshelman Scl	nool of Pharmac	y. Flexible te	eaching spaces are n	eeded to increase
(Definitions/explanations are provided on pg 2 to	assist in completion o	f this form.)				
CURRENT ESTIMATED CONSTRUCTION	I COST		QTY	UNIT	COST PER UNIT	
A. Land Requirement						\$0
B. Site Preparation					Г	
Demolition Site Work						\$0 \$0
C. Construction					<u> </u>	1
Utility Services				I		\$0
Building Construction (new spa	ice)				:	\$0
3. Building Construction (existing)			2905	SF	\$ 70.0	
4. Plumbing (existing)			2905		\$ 9.0	
5. HVAC (existing)			2905		\$ 12.0	
6. Electrical (Includes TV & Radio			2905		\$ 19.0	
 Fire Supression and Alarm Sys Telephone, Data, Video 	tems		2905 2905		\$ 3.50 \$ 2.15	
9. Associated Construction Costs			2905	OI.	\$ 14.50	
10. Other:			2000		7 110	\$0
D. Equipment		_				<u>'</u>
1. Fixed						\$0
2. Moveable						\$0
ESTIMATED CONSTRUCTION COSTS						\$378,086
items below may be calculated by percentage or lu	mp sum. If using lump	sum, make entry	in \$ field.			
DESIGN FEE	5 %	1% of Fetimate	ed Construction Co	nete)		\$18,904
PRECONSTRUCTION COSTS			ed Construction Co		M@Riskl \	\$0
COMMISSIONING		•	1.0% moderate; 1	-		\$0
SPECIAL INSPECTIONS/MATERIALS -		(1.25% estima		, ,		\$0 \$0
SUSTAINABILITY		•	ld, 2% LEED Silve	er)		\$0
_	, , , , , , , , , , , , , , , , , , , 	Includes progra	amming, feasibility	z. analysis		
ADVANCE PLANNING	0 %		d Construction Co			\$0
CONTINGENCIES _	5 %	(% of Estimate	d Construction Co	osts [3% New	or 5% R&R])	\$18,995
ESTIMATED COSTS (% of Estimated Co	nstruction Costs + Cor	ntingencies + De	esian Fee)			\$415,985
Escalation = percent per month multiplied by			, o.g., r oo,			
From Est. Date to mid-point of construction) =		2	· -	0	% per month	
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 r	nos = .12%; 36-47 mos = .1	16%; 48-60 mos = .	18%			
fealth 8ldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mo			3%; 36-47 mos = .369	%; 48-60 mos = .	38%	
ESCALATION COST INCREASE (Total of E	Estimated Costs x Esc	calation %)				\$0
FOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Esc	alation Cost Incre	ase)			\$415,985
APPROVED BY: (Governing Board or Agency	/ Head)	_	IIILE Direi Plann	ulor Fac	alitus usiyu	DATE 7/13/15

Ins	titution: The University of North Carolina at Chapel Hill Advance Planning Request: Advance Planning Request:
Inc	New Capital Project*: X crease in Authorization from: \$0 to \$473,520
Pro	oject Title: Renovations to Suite 210 Beard Hall
Pro	oject Cost: \$473,520
So	urce of Funds: Facilities and Administrative Costs (F&A) and private sources
	this project has previously had advance planning authority, please identify code/item number under which that thority is carried. Code Item
Fo	r each advance planning project or capital construction project, please provide the following:
1.	A detailed project description and justification:
spa req wo	The intent of this project is to renovate approximately 1,600 square feet of existing obsolete laboratory space o new dry research and office spaces suited to the new proposed users for the Eshelman School of Pharmacy. Office aces are expected to be flexible and able to handle a number of new office and dry research programs and activities quired by the faculty. Additional Office space is needed to accommodate growth in staffing at the school. Scope of ork will include removal and replacement of all existing walls, flooring, ceilings as well as electrical, HVAC, fire otection, plumbing systems and finish upgrades.
2.	An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (a completed OC-25 form)
	See attached OC-25
3.	An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):
	3 rd Quarter 2015 - \$25,000.00 4 th Quarter 2015 - \$250,000.00
	1 st Quarter 2016 - \$198,520
4.	An estimated schedule for the completion of the project:
	Begin Construction 2/1/16 and complete by 5/1/16
5.	An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):
	NA
6.	An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation (Answer for capital construction only):
	NA

Revised 5-14-2014

7. An explanation of the means of financing:

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

Form OC-25 (Rev 09/14)

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

				DATE:	TE: 06/25/15		
PROJECT IDENTIFICATION:	Renovations to Suite 210 Beard Hall						
PROJECT CITY or LOCATION:	Chapel Hill, North	Carolina					
PROJECT DESCRIPTION & JUSTIFICATION						_	
This project will renovate approximately 1,6	00 square feet of ex	isting laboratory	space into a n	ew dry resea	arch and office	space for	r the Eshelman School
of Pharmacy.							
CURRENT ESTIMATED CONSTRUCTION	COST	[.	QTY	UNIT	COST PER	UNIT	TOTAL
A. Land Requirement	0001	 -	<u> XII</u>	OIVI7.			\$0
B. Site Preparation		L				1	***
1. Demolition		Γ	1600		\$	6.00	\$9,600
2. Site Work		į-					\$0
C. Construction		L					
Utility Services		Γ]			\$0
Building Construction (new space)	ce)						\$0
3. Building Construction (existing)	,		1600	SF	\$	80.00	\$128,000
4. Plumbing (existing)		<u> </u>	1600	SF	\$	4.00	\$6,400
5. HVAC (existing)			1600	SF	\$	35.00	\$56,000
6. Electrical (includes TV & Radio	Studio)	Γ	1600	SF	\$	25.00	\$40,000
Fire Supression and Alarm Syst	ems		1600		\$	6.00	\$9,600
Telephone, Data, Video			1600	SF	\$	10.00	\$16,000
Associated Construction Costs		_					\$30,000
10. Other:		_ L					\$0
D. Equipment				·		····	
1. Fixed							000.000
2. Moveable		L					\$99,000
ESTIMATED CONSTRUCTION COSTS						L	\$394,600
Items below may be calculated by percentage or lui	np sum. If using lump	sum, make entry in	\$ field.				
DESIGN FEE	8 %	(% of Estimated (Construction Co	rete)		Г	\$31,568
PRECONSTRUCTION COSTS	0 %	•			M@Bick1)	-	\$0
COMMISSIONING	 %	,		-		F	\$0
SPECIAL INSPECTIONS/MATERIALS		(1.25% estimated		\$0			
SUSTAINABILITY		(3% LEED Gold,		er)		<u> </u>	\$0
	,,,					-	
ADVANCE PLANNING	15%	Includes program (% of Estimated 0				ļ	\$5,919
		•		•		-	
CONTINGENCIES	10.5 %	(% of Estimated (Construction Co	osts [3% New	or 5% R&R])	_	\$41,433
ESTIMATED COSTS (0) of Folimeted Cos	activation Coata I Cor	otingonalos (Dosio	رم (ا				\$473,520
ESTIMATED COSTS (% of Estimated Cor Escalation = percent per month multiplied by	nstruction Costs + Cor	rungencies + Desig	m ree)			L	ψτι 0,020
(From Est. Date to mid-point of construction) =	number of months	2	months	۸	% per month		
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 n	nos = .12%: 36-47 mos = .		-		70 per month		
500,000 500gs. 0 17 mag - 577, 10 25 mag - 10 mg, 21 00 m	11270, 00 11 11100 1	710	••				
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mo	os = .26%; 18-23 mos = .2	9%; 24-35 mos = .33%	; 36-47 mos = .36	%; 48-60 mos =	.38%	_	
ESCALATION COST INCREASE (Total of E	stimated Costs x Esc	calation %)					\$0
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Increas	e)			Γ	\$473,520
	/						1/2//
APPROVED BY:	^		TLE: Director Fac	citities Planning		D	ATE 6/26/15
(Governing Board or Agency	Head)						<i>} F</i>

Ins	tution: The University of North Carolina at Chapel Hill Advance Planning Request:
Inc	New Capital Project*: X ease in Authorization from: \$0 to \$799,200
Pro	ect Title: CURE HIV Laboratory Renovation – Genetic Medicine Building – 2 nd Floor
Pro	ect Cost: \$799,200
So	ce of Funds: Facilities and Administrative Costs (F&A) and private sources
	nis project has previously had advance planning authority, please identify code/item number under which authority is carried. Code Item
Fo	each advance planning project or capital construction project, please provide the following:
1.	A detailed project description and justification:
	The intent of this project is to renovate approximately 2400 square feet of laboratory space previously used for medicinal chemistry purposes into laboratory space that can accommodate the use of biological work with infectious agents and to house the addition of research staff and a new UNC faculty recruit as part of the new HIV Cure partnership with GSK. The scope of work includes removal of walls to create an enclosed research space along with three additional smaller enclosed research rooms that will handle work with infectious agents that meets EHS guidelines. Additionally, renovation of research space that accommodates molecular biology work and the capacity needed for staff to conduct HIV cure drug discovery work.
2.	An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (a completed OC-25 form)
	See attached OC-25
3.	An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):
	3 rd Quarter 2015 - \$250,000.00 1 st Quarter 2016 - \$299,200.00
	4 th Quarter 2015 - \$250,000.00
4.	An estimated schedule for the completion of the project:
	Begin Construction 8/10/15 and complete by 4/1/16
5.	An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):
	NA
6.	An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation (Answer for capital construction only):

NA

7. An explanation of the means of financing:

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

Form OC-25 (Rev 09/14)

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

		MENT and DIVISION: TIDENTIFICATION:	The University of I			dicine Buildir	_ ng - 2nd Floo		06/18/15
		CITY or LOCATION:	Chapel Hill, North				<u> </u>		
		DESCRIPTION & JUSTIFICATIO			licate need, size, fun	ction of improv	ements as well	as a master :	olan.)
		ct will renovate approximately 2,40							
		igned to allow work with infectious							
		9,104,104,1101,1101,110							
CLIDE	>⊏NIT	ESTIMATED CONSTRUCTION	COST		QTY	UNIT	COST PE	RUNIT	TOTAL
A,		nd Requirement	0001			ONI	5001.7	1. 01111.	\$0
B.		e Preparation					<u> </u>		
٥,	1.				2400		\$	15.00	\$36,000
		Site Work							\$0
C.		nstruction			1	L			
	1.	Utility Services							\$0
	2.	Building Construction (new space	e)						\$0
	3.	Building Construction (existing)	-1		2400	SF	\$	40.00	\$96,000
	4,	Plumbing (existing)			2400	SF	\$	25.00	\$60,000
	5.	HVAC (existing)			2400	SF	\$	60.00	\$144,000
	6.	Electrical (Includes TV & Radio S	Studio)		2400	SF	\$	35.00	\$84,000
	7.	Fire Supression and Alarm Syste	ems		2400	SF	\$	10.00	\$24,000
	8.	Telephone, Data, Video			2400	SF	\$	5.00	\$12,000
	9.	Associated Construction Costs							\$90,000
		Other:		_					\$0
D.	Equ	uipment							
	1.								\$0
	2.	Moveable							\$120,000
		ED CONSTRUCTION COSTS						L	\$666,000
ltems b	elow i	may be calculated by percentage or lun	np sum. If using lump	sum, make entry	/ in \$ field.				
								г	****
DESIG				•	ed Construction Co			ļ	\$66,600
		TRUCTION COSTS			ed Construction Co			-	\$0
		ioning			1.0% moderate; 1	.5% complex)		1	\$0
		NSPECTIONS/MATERIALS		,	•			1	\$0
SUST	AMA	BILITY	%	(3% LEED Go	ld, 2% LEED Silve	er)			\$0
				Includes progr	amming, feasibility	, analysis			İ
ADVA	NCE	PLANNING	%	(% of Estimate	ed Construction Co	osts)			\$0
^∩NT:	NICE	ENCIES —	10 %	(% of Fetimate	ed Construction Co	vete 13% Now	or 5% R&RIV		\$66,600
JOIVI	IVGL		10 /0	(70 OI ESUITIATO	ed Constituction CC	os to to them	OI J/I INCINITY	-	V00,000
ECTIM	٨٣٥	D COSTS (% of Estimated Con	atrustian Costa + Con	tiaaonoioo + De	ocian Ecol				\$799,200
		= percent per month multiplied by r	struction Costs + Con	ungendes + De	ssign ree;			L	0,00,200
		- percent per month multiplied by t Date to mid-point of construction) =	IUIIIDEI OI IIIOIIUIS	0	months	٥	% per month	1	
		0-17 mos = 0%; 18-23 mos = .04%; 24-35 m	nn - 100/ 100 #7 man - 1		-		76 per monti		
eneral i	siogs:	0-17 mos = 0%; 18-23 mos = .04%; 24-35 m	os = .12%; 30-47 mos = .	10%; 46-00 mos =	.1070				
lealth Bl	dgs: 0	-5 mos = .18%; 6-11 mos = .22 %; 12-17 mo	s = .26%; 18-23 mos = .29	9%; 24-35 mos = .3	33%; 36-47 mos = .36	%; 48-60 mos =	.38%		
SCAL	ATI(ON COST INCREASE (Total of Es	stimated Costs x Esc	alation %)					\$0
ГОТА	_ ES	TIMATED PROJECT COSTS	(Estimated Costs + Esc	calation Cost Incr	ease)			Γ	\$799,200
\PPR(OVE	DBY: Dom M		_	TITLE: Director Fac	ilities Planning			DATE 6/26/15
		(Coverning Reard or Agency	Hoadl			_			1 /

Institution:	University of North Carolina at Charlotte	Advance Planning Request: New Capital Project*: X
	on from: \$900,000 to \$10,500,000 ce Dining Hall Renovation	Now Capital Project . 1
Project Cost: \$10,500,	000	
Source of Funds: Hous	sing and Dining Receipts	

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

1. A detailed project description and justification:

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

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

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

FY16 QTR 2	\$386,810	FY16 QTR 3	\$599,305	FY16 QTR 4	\$705,555
FY17 OTR 1	\$705.555	FY17 OTR 2	\$4,480,776	FY17 OTR 3	\$3,621,999

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

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

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

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

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

(Answer for capital construction only):

N/A

6. An explanation of the means of financing:

Housing and Dining fund balances (cash on hand).

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



North Carolina Department of Administration

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

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

STATE DEPARTMENT: Educational Institutions (Universities)

INSTITUTION OR AGENCY: UNC Charlotte

PROJECT IDENTIFICATION: Residence Dining Hall Renovation 2015 Update

PROJECT TYPE: General Bldg.

CLASSIFICATION: Major Renovations

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

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

ESTIMATED CONSTRUCTION COST:

\$8,189,768

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

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

(From Est, Date to mid-point of construction) = $\underline{18}$ months @ $\underline{0.04\%}$

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

\$75,060

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

\$10,500,000

COMMENTS:

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

Ins	titution: NC State Univ	versity	Advance Planning Request: X New Capital Project*:
	rease in Authorization from: \$ ject Title: _Case Commons Reside		-
Pro	ject Cost: AP Request \$ 1,000,000	0 (Total Project	Cost \$15,000,000)
Sou	arce of Funds: Athletics Trust Fund	ds will fund the AF	Request
	this project has previously had adva hority is carried. Code I		ority, please identify code/item number under which that
Fo	each advance planning project o	r capital construc	ction project, please provide the following:
1.	A detailed project description and	justification:	
	Central Campus Precinct. The faci accessible rooms. This project will	lity will provide ap move students fro	student athletes and the general student population on the opproximately 62 beds, including resident advisors and om off campus housing facilities to a location in close ject also includes community space, study rooms, laundry,
2.	An estimate of acquisition, plannir (a completed OC-25 form)	ng, design, site dev	elopment, construction, contingency and other related costs
	See attached OC-25.		
3.	An estimated schedule of cash flow construction only):	v requirements ove	er the life of the project by FY quarters (Answer for capital
4.	An estimated schedule for the com	pletion of the proje	ect:
	Design Start: February 2016 Construction Start: May 2017		ete: February 2017 Complete: January 2019
5.	An estimate of maintenance and op covering the first five years of ope		source of funding to support these costs, including personne capital construction only):
6.	An estimate of revenues, if any, lik (Answer for capital construction or		from the project, covering the first five years of operation
7.	An explanation of the means of fin	nancing:	

Athletics Trust Funds will fund the AP Request.

Form OC-25 (Rev 05/12)

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

DEPA	RTMENT and DIVISION:	North Carolina State	e University				DATE:	06/10/15
PROJECT IDENTIFICATION: Case Commons Re								
	IECT CITY or LOCATION:	Raleigh - Central C		ct				
	ECT DESCRIPTION & JUSTIFICATI		· · · · · · · · · · · · · · · · · · ·		tion of improvem	ents as v	well as a master pla	n)
	project constructs a residential facility							
	ovide approximately 62 beds, includi							
will pr	oxide approximately 62 beds, including ocation in close proximity to athletic a	nd academic facilities	The project of	oo includes con	omunity enac	o etud	v roome laundr	v and a 24 hour dock
to a ic	ocation in close proximity to atmetic a	no academic raciilles.	The project as	so includes con	illiulity spac	e, siuu	y rooms, launui	y, and a 24-nour desk.
	itions/explanations are provided on pg 2		this form.)	OTV	· · · · · · · · · · · · · · · · · · ·		T.DED UNIT	TOTAL
	RENT ESTIMATED CONSTRUCTION	1 0051	ļ	QTY 1	UNIT		T.PER UNIT	TOTAL \$0
Α.	Land Requirement		l					<u></u> Φ0
B.	Site Preparation				1	•	445 500 00	C445 500
	Demolition				lump sum	\$	115,500.00	\$115,500
	Site Work			1	lump sum	\$	650,300.00	\$650,300
C.	Construction			r				
	 Utility Services 				lump sum	\$	818,179.00	\$818,179
	Building Construction (new sp	ace)		28000	sq ft	\$	196.75	\$5,509,000
	Building Construction (existing	1)						\$0
	Plumbing (new space)			28000		\$	20.00	\$560,000
	HVAC (new space)		9	28000		\$	40.00	\$1,120,000
	6. Electrical (new space)			28000		\$	32.00	\$896,000
	7. Fire Supression and Alarm Sy	stems (new space)		28000		\$	7.00	· \$196,000
	8. Telephone, Data, Video (new	space)	8	28000		\$	3.50	\$98,000
	Associated Construction Cost	S			lump sum	\$	202,000.00	\$202,000
	10. Other: Displace	ed & New Parking		65	spaces	\$	17,500.00	\$1,137,500
	11. Other: Staged	Parking		25	spaces	\$	1,200.00	\$30,000
	12. Other: Security			1	lump sum	\$	46,000.00	\$46,000
D.	Equipment							
	 Fixed 				lump sum	\$	325,000.00	\$325,000
	2. Moveable			1	lump sum	\$	497,000.00	\$497,000
EST	IMATED CONSTRUCTION COSTS	6						\$12,200,479
Items	below may be calculated by percentage or	lump sum. If using lump s	um, make entry i	in \$ field.				
DES	IGN FEE	10 %	(% of Estimate	ed Construction C	Costs)			\$1,220,048
PRECONSTRUCTION COSTS 1 % (% of Estimated Construction Cos			Costs [1% for 0	CM@Ris	sk])	\$122,005		
COM	IMISSIONING	1 %	(0.5% simple;	1.0% moderate;	1.5% complex	()		\$122,005
SPE	CIAL INSPECTIONS/MATERIALS	1.25 %	(1.25% estima	ited)				\$152,506
	TAINABILITY	%	(3% LEED Go	ld, 2% LEED Silv	ver)			\$0
				ramming, feasibil				•
	ANCE PLANNING			ed Construction (<u> </u>		\$0
CON	TINGENCIES	3 %	(% of Estimate	ed Construction (Costs [3% Nev	v or 5%	R&R])	\$366,014
Esca	MATED COSTS (% of Estimated lation = percent per month multiplied n Est. Date to mid-point of construction		ntingencies + De		0.16	§ % per	r month	\$14,183,057
Gener	al Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24	-35 mos = .12%; 36-47 mos =				220		
	Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-1 ALATION COST INCREASE _. (Total c			= .33%; 36-47 mos =	= .36%; 48-60 mo	os = .38%		\$816,944
	AL ESTIMATED PROJECT COST			rease)				\$15,000,001
ΔPD	ROVED BY THAT	n_		TITLE Universi	tv Architect			DATE 4.10.15

(Governing Board or Agency Head)

Inst	titution: NC State Unive	ersity	Advance Planning Request: X
	rease in Authorization from: \$ regret Title: Centennial Campus Exte		New Capital Project*:
Pro	ject Cost: AP Request \$ 150,000 (Total project cost \$1,790,000)	
Sou	arce of Funds: Centennial Campus	Trust Funds	
	this project has previously had adva hority is carried. Code Item _		entify code/item number under which that
For	r each advance planning project o	r capital construction project, p	lease provide the following:
1.	A detailed project description and j	ustification:	
	and gutter from the current end poin Blair Drive and Initiative Way. The two-lane road with curb and gutter Drive extension is included to prese project will require coordination wi	nt of Initiative Way at the Oval Deproject will also include the extension of Blair Drive east to connect with erve a perennial stream on the notion the US Army Corps of Engine	lane asphalt pavement with a concrete curb Drive Storage Lots south to the intersection of ension of approximately 328 linear feet of th Centennial Parkway. A bridge in the Blair ortheast side of Centennial Campus. The errs, the NC Department of Environment and resedimentation and erosion control work.
2.	An estimate of acquisition, planning (a completed OC-25 form)	g, design, site development, cons	truction, contingency and other related costs
	See attached OC-25.		
3.	An estimated schedule of cash flow construction only):	requirements over the life of the	project by FY quarters (Answer for capital
	N/A		
4.	An estimated schedule for the comp	pletion of the project:	
	Design Start: January 2016 Construction Start: August 2016	Design Complete: July 2016 Construction Complete: April	2017
5.	An estimate of maintenance and op covering the first five years of oper		ng to support these costs, including personnel ction only):
	N/A		
6.	An estimate of revenues, if any, like (Answer for capital construction on	•	t, covering the first five years of operation
	N/A		
7.	An explanation of the means of fina	ancing:	
	This project will be funded by Cent	tennial Campus Trust Funds.	

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

BIENNIUM 2013 - 2015

Form OC-25 (Rev 05/12)

DEPARTMENT and DIVISION: PROJECT IDENTIFICATION: PROJECT CITY or LOCATION: Raleigh - Centennial Campus Raleigh - Centennial Campus	on of Initiative Way			
PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.) This project includes pavement, curb and gutter, site lighting and landscaping for Iniative Way and Blair Drive. The project will install approximately 1500				
Linear Feet of new, two lane asphalt pavement with concrete curb and gu south to the intersection of Blair Drive and Initiative Way. The project will	er from the current end point of Iniative Way at the Oval Drive Storage Lots so include the extension of approximately 328 Linear Feet of two lane road. The project will include a bridge in the Blair Drive extension to preserve a			
perennial stream on the northeast side of Centennial Campus. The project	will require coordination with the LIS Army Corns of Engineers, NC			
Department of Environment and Natural Resources Water Quality, and a	the Land Quality Division for the Sedimentation and Erosion Control work.			
	Site being adding physicial of the occumentation and chosion control work.			
(Definitions/explanations are provided on pg 2 to assist in completion of this form CURRENT ESTIMATED CONSTRUCTION COST				
A. Land Requirement	QTY UNIT COST PER UNIT TOTAL \$0			
B. Site Preparation	40			
1. Demolition	\$0			
2a. Site Work (Iniative Way)	1500 linear feet \$ 650.00 \$975,000			
2b. Site Work (Blair Drive)	328 linear feet \$ 725.00 \$237,800			
C. Construction				
Utility Services	\$0			
Building Construction (new space)	\$0			
Building Construction (existing)	\$0			
 Plumbing (new & existing space) HVAC (new & existing space) 	\$0			
6. Electrical (new)	1 lump our \$ 120,000,00 \$0			
7. Fire Supression and Alarm Systems (new & existing space)	1 lump sum \$ 120,000.00 \$120,000			
Telephone, Data, Video (new & existing space)	\$0			
Associated Construction Costs	1 lump sum \$ 59,243.00 \$59,243			
10. Other: Landscaping	1 lump sum \$ 150,000.00 \$150,000			
D. Equipment	ψ100,000			
1. Fixed	\$0			
2. Moveable	\$0			
ESTIMATED CONSTRUCTION COSTS	\$1,542,043			
Items below may be calculated by percentage or lump sum. If using lump sum, make				
	mated Construction Costs) \$154,204			
PRECONSTRUCTION COSTS 1 % (% of Es	mated Construction Costs [1% for CM@Risk]) \$15,420			
COMMISSIONING % (0.5% si	ple; 1.0% moderate; 1.5% complex) \$0			
SPECIAL INSPECTIONS/MATERIALS 1.25 % (1.25%				
SUSTAINABILITY% (3% LEF	O Gold, 2% LEED Silver) \$0			
	rogramming, feasibility, analysis mated Construction Costs) \$0			
CONTINGENCIES 3 % (% of Es	mated Construction Costs [3% New or 5% R&R]) \$46,261			
ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee) Escalation = percent per month multiplied by number of months				
(From Est. Date to mid-point of construction) = 18 months 0.04 % per month				
General Bidgs: 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 n ESCALATION COST INCREASE $_{\parallel}$ (Total of Estimated Costs x Escalation				
TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation C				
APPROVED BY: (Governing Board or Agency Head)	TITLE University Architect DATE 5.15.15			

Ins	nstitution: The University of North Carolina at Chapel Hill	Advance Planning Request x				
Inc	ncrease in Authorization from: \$\(\frac{0}{} \) to \$\(\frac{\$300,000}{} \)	New Capital Project*:				
Pro	Project Title: Davie Hall Replacement					
Pro	Project Cost: Advance Planning of \$300,000 for Estimated \$77,112,082 Total	Project Cost				
So	Source of Funds: F&A Funds					
	If this project has previously had advance planning authority, please identify cuthority is carried. Code Item	ode/item number under which that				
Fo	For each advance planning project or capital construction project, please p	provide the following:				
1.	Provide detailed description and justification: This project will replace the existing Davie Hall and Davie Hall Annex within its existing location. The new facility creates instruction, research, academic/research, support spaces, and a vivarium for a growing Psychology program. The project proposes a net assignable program and gross square footage to 110,500 GSF.					
2.	2. An estimate of acquisition, planning, design, site development, construction (Answer for capital construction only and include a completed OC-25 form					
	See attached OC-25 form.					
3.	An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):					
Ad	Advance Planning start: October 2015; Completion date: February 2016					
4.	An estimated schedule for the completion of the project: Design start: Janu	nary 2015; Design complete: June 2015				
5.	An estimate of maintenance and operating costs and source of funding to support these costs, including personne covering the first five years of operation (Answer for capital construction only): n/a					
6.	6. An estimate of revenues, if any, likely to be derived from the project, cover (Answer for capital construction only): n/a	ring the first five years of operation				
7.	. An explanation of the means of financing: F&A Funds					

(Rev 05/12)

Form OC-25

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

DEPARTMENT and DIVISION: Psychology Department DATE: 07/17/15 Davie Hall Replacement PROJECT IDENTIFICATION: UNC Chapel Hill, Chapel Hill PROJECT CITY or LOCATION: PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'il data as necessary to indicate need, size, function of improvements as well as a master plan.) The project will replace the existing Davie Hall and Davie Hall Annex within it's existing location. The new facility creates instructional, research, academic/research, support spaces, and a vivarium for a growing Psychology program. The project proposes a net assignable program and gross square footage to 110,500 GSF. (Definitions/explanations are provided on pg 2 to assist in completion of this form.) QTY UNIT COST PER UNIT CURRENT ESTIMATED CONSTRUCTION COST \$0 Land Requirement Α. В. Site Preparation 1. Demolition - 1907 Building - 10,000 GSF 1 LUMP \$ 60,000 \$60,000 1 LUMP \$ 480,000 \$480,000 1a. Demolition - 1967 Selective Demo - 85,000 GSF \$1,200,000 2. Site Work - 200,000 200,000 SF \$ C. Construction 8 \$720,000 90.000 SF \$ 1. Utility Services \$27,625,000 2. Building Construction (new space) 110,500 SF \$ 250 3. Building Construction (existing) \$1,989,000 4. Plumbing (new space) 110,500 SF \$ 18 110,500 SF \$4,972,500 5. HVAC (new space) \$ 45 \$3,978,000 6. Electrical (Includes TV & Radio Studio) 110,500 SF \$ 36 \$884,000 110,500 SF \$ 8 7. Fire Suppression and Alarm Systems 8. Telephone, Data, Video 110,500 SF \$ \$773,500 9. Associated Construction Costs \$0 1 LUMP \$ 5.976.000 \$5,976,000 10. Other: **Project Reserves** \$6,750,000 10a. Other: Swing Space/Lease 90,000 1 LUMP \$ 6,750,000 30 months D. Equipment \$5,000,000 5,000,000 1 LUMP 1. Fixed: Animal & laboratory facilities 2,400,000 Ŝ \$2,400,000 2. Moveable: Furniture, Fixture & Equioment 1 LUMP \$62,808,000 **ESTIMATED CONSTRUCTION COSTS** Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field. \$5,652,720 9 % (% of Estimated Construction Costs) **DESIGN FEE** 1 % (% of Estimated Construction Costs [1% for CM@Risk]) \$628,080 PRECONSTRUCTION COSTS \$942,120 1.5 % (0.5% simple; 1.0% moderate; 1.5% complex) COMMISSIONING \$785,100.00 1.25 % (1.25% estimated) SPECIAL INSPECTIONS/MATERIALS \$0 0 % (3% LEED Gold, 2% LEED Silver) SUSTAINABILITY Includes programming, feasibility, analysis \$628,080 1 % (% of Estimated Construction Costs) ADVANCE PLANNING \$1,884,240 3 % (% of Estimated Construction Costs [3% New or 5% R&R]) CONTINGENCIES \$73,328,340 (% of Estimated Construction Costs + Contingencies + Design Fee) ESTIMATED COSTS Escalation = percent per month multiplied by number of months 0.12 % per month (From Est. Date to mid-point of construction) = 43 months 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% \$3,783,742 ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %) \$77,112,082 TOTAL ESTIMATED PROJECT COSTS / (Estimated Costs + Escalation Cost Increase)

APPROVED BY:

(Governing Board or Agency Head)

Institution:	NC State University	Advance Planning Request: New Capital Project*:
	n from: \$_1,875,000_ to \$_2,236,902.	New Capital Floject .
Project Title: Cox Hall	Scale-Up Classrooms	
Project Cost: \$361,902	Increase (Total project \$2,236,902 including previously	authorized \$1,875,000)
Source of Funds: Trans	sfers of residual funds from College of Textiles and Data	a Center II projects
1 3 1	iously had advance planning authority, please identify code_41424 Item305	ode/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:

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

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

See attached OC-25.

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

	_Q1	<u>Q2</u>	Q3	Q4
FY 2015		\$ 3,675	\$34,243	\$36,818
FY 2016	\$33,685	\$888,567	\$1,056,746	\$93,588
FY 2017	\$89,580			

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

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

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

N/A

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

No revenues are expected to be derived from this project.

7. An explanation of the means of financing:

Transfer remainder of Carry Forward funding from:

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

Form OC-25 (Rev 05/12)

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

DEPARTMENT and DIVISION:	North Carolina Sta				_	DATE:	06/10/15	
PROJECT CITY of LOCATION:	The state of the s							
PROJECT CITY or LOCATION:	Raleigh - North Ca							
PROJECT DESCRIPTION & JUSTIFICATIO	N: (Attach add'l data a	s necessary to ind	icate need, size, fur	nction of improv	ements as	well as a master	plan.)	
This project will renovate office space in Cox	This project will renovate office space in Cox Hall into high-technology classrooms. The project will create two SCALE-UP technology classrooms on							
the first floor and provide schematic designs to renovate the fhird floor into office and classroom space. The first floor renovation will address								
mechanical systems and toilet facilities. Proj	ect revised to expa	and AV and ted	chnology scope	of work for e	each SCA	LE-UP techn	ology classroom.	
/Definitions/symlogetimes are associated as a control	!							
(Definitions/explanations are provided on pg 2 to a		this form.)		F * * * * * * * * * * * * * * * * * * *	Tr			
CURRENT ESTIMATED CONSTRUCTION (2081		QTY	UNIT	COST	PER UNIT	TOTAL	
A. Land Requirement			L				\$0	
B. Site Preparation1. Demolition								
Demolition Site Work							\$0	
							\$0	
Utility Services	A.						\$0	
Building Construction (new space)							\$0	
Building Construction (existing space)	oace)		9500		\$	50.80	\$482,600	
Plumbing (existing space)			9500	SF	\$	10.00	\$95,000	
5. HVAC (existing space)			9500	SF	\$	26.00	\$247,000	
Electrical (existing space)	70 9 W 161		9500	SF	\$	25.00	\$237,500	
Fire Supression and Alarm System		g space)	9500	SF	\$	5.00	\$47,500	
8. Telephone, Data, Video (existing	g space)		9500	SF	\$	10.00	\$95,000	
Associated Construction Costs				lump sum	\$	26,090.00	\$26,090	
10. Other: security				lump sum	\$	40,000.00	\$40,000	
11. Other: abatement		_	9500	SF	\$	5.73	\$54,435	
D. Equipment		- 4						
1. Fixed				lump sum	\$	413,390.00	\$413,390	
Moveable			9500	SF	\$	16.00	\$152,000	
ESTIMATED CONSTRUCTION COSTS							\$1,890,515	
Items below may be calculated by percentage or lum	sum. If using lump	sum, make entry	in \$ field.			_		
DESIGN FEE	10 %		d Construction Co			Г	\$189,052	
PRECONSTRUCTION COSTS	0.25 %	(% of Estimate	d Construction Co	osts [1% for C	M@Risk]) t	\$4,726	
COMMISSIONING	1 %		e; 1.0% moderate; 1.5% complex)					
SPECIAL INSPECTIONS/MATERIALS		(1.25% estimat	mated) \$14.					
SUSTAINABILITY	%	(3% LEED Gol	,					
						-	\$0	
ADVANCE PLANNING	0/2	(% of Estimate	amming, feasibility d Construction Co	y, analysis			205.000	
				18		_	\$25,000	
CONTINGENCIES	5 %	(% of Estimate	d Construction Co	osts [3% New	or 5% R&	R])	\$94,526	
ESTIMATED COSTS (% of Estimated Cons		ntingencies + De	sign Fee)			1	\$2,236,903	
Escalation = percent per month multiplied by n	umber of months					_		
(From Est. Date to mid-point of construction) =		8	months	0	% per mo	onth		
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mo	s = .12%; 36-47 mos = .1	16%; 48-60 mos = .	18%					
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos	= 26%: 18 23 mas = 20	19/ - 24 25 mas = 21	20/ . 26 47 26	0/ - 40 C0	2004			
ESCALATION COST INCREASE (Total of Es			5%; 30-47 ITIOS = .36	%; 48-60 mos =	.36%	_		
ESCALATION COST INCREASE (Total of ES	umated Costs x Est	calation %)				L	\$0	
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Esc	alation Cost Incres	200)			Г	\$2,220,000	
. C L Z C C C C C C C C C C C C C C C C C C	Leannaien Costs + ESC	alation Cost mcrea	a50)				\$2,236,903	
APPROVED BY:			TITLE University	Architect			DATE 4.10.15	
(Governing Board or Agency H	lead)	_	THE DINVERSILY	ruonitoot			MIL & IV IJ	

Ins	titution: NC State Univer	sity	Advance Planning Request: X
			New Capital Project*:
	rease in Authorization from: \$ <u>800,00</u> pject Title: Energy Performance Con		
Pro	oject Cost: Increase of \$920,488 (Total	al Project, including previously ap	pproved amounts, will be \$17,000,000)
So	urce of Funds: Transfer balance of the	rmal assessments funds received	from R&R and receipt supported projects.
	this project has previously had advandable thority is carried. Code_41224_ Item 3		tify code/item number under which that
Fo	r each advance planning project or o	capital construction project, ple	ase provide the following:
1.	A detailed project description and just	stification:	
	thermal storage facility in conjunctio	n with the Centennial Campus Ut full design of a cogeneration facil	of constructing a new cogeneration and ility Plant. This additional funding will lity to provide energy savings as well as
2.	An estimate of acquisition, planning, (a completed OC-25 form)	design, site development, constru	action, contingency and other related costs
	See attached OC-25.		
3.	An estimated schedule of cash flow r construction only):	equirements over the life of the p	roject by FY quarters (Answer for capital
4.	An estimated schedule for the comple	etion of the project:	
	Design Start: June 2013 Construction Start: November 2016	Design Complete: June 2016 Construction Complete: Octobe	r 2017
5.	An estimate of maintenance and oper covering the first five years of operat		to support these costs, including personnel, ion only):
6.	An estimate of revenues, if any, likel (Answer for capital construction only		covering the first five years of operation
7.	An explanation of the means of finan	cing:	

 $Transfer\ balance\ of\ thermal\ assessments\ funds\ received\ from\ R\&R\ and\ receipt\ supported\ projects.\ Funds\ currently\ reside\ in\ 41224\ 306\ Central\ Campus\ Utility\ Plant\ Expansion\ project.$

Form OC-25 (Rev 05/12)

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

	RTMENT and DIVISION: ECT IDENTIFICATION:	5/1121_						11/20/14
	ECT CITY or LOCATION:	Raleigh - Centenni			Addition			
	PROJECT DESCRIPTION & JUSTIFICATION:(Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)							
accom	roject builds a high-bay addition to th modate new equipment: 5.7 MW cor	nbustion turbine (CT)	with duct burn	ner, heat recove	ery steam ge	nerato	r (HRSG), No. 2	fuel oil storage tank,
and tra	and transformers. The project will also convert the existing tank from No.6 fuel oil to No.2 fuel oil and convert the 80,000 PPH boiler from using No.6							
fuel oil	to using No.2 fuel oil. This will provide	de capacity to expand	thermal infras	structure for futi	ure buildings	includ	ding Engineering	Building Oval.
(Definit	ions/explanations are provided on pg 2 to	assist in completion of	this form.)		2 2 3 5			
CURR	ENT ESTIMATED CONSTRUCTION	COST	7	QTY	UNIT	CO	ST PER UNIT	TOTAL
A.	Land Requirement							\$0
B.	Site Preparation							
	 Demolition 							\$0
	2. Site Work			1	lump sum	\$	400,000.00	\$400,000
C.	Construction		,					
	 Utility Services 							\$0
	2. Building Construction (addition)		5600		\$	227.00	\$1,271,200
	3. Building Construction (existing							\$0
	4. Plumbing (new & existing space	e)		5600		\$	12.00	\$67,200
	5. HVAC (new & existing space)			5600		\$	40.00	\$224,000
	6. Electrical (new space)			5600	10 10	\$	20.00	\$112,000
	7. Fire Supression and Alarm Sys	stems (new & existing	space)	5600		\$	7.00	\$39,200
	8. Telephone, Data, Video (new	& existing space)		5600		\$	3.00	\$16,800
	Associated Construction Costs			1	lump sum	\$	186,685.00	\$186,685
	10. Other:		_					\$0
D.	Equipment						-	
	 Fixed (Electrical) 			1	lump sum	\$	5,734,200.00	\$5,734,200
	 Fixed (Mechanical) 			1	lump sum	\$	6,224,400.00	\$6,224,400
	Moveable							\$0
ESTIN	IATED CONSTRUCTION COSTS							\$14,275,685
Items be	elow may be calculated by percentage or lun	np sum. If using lump sur	n, make entry in \$	field.				
		10.01						
	SN FEE			d Construction C				\$1,427,569
	ONSTRUCTION COSTS	1 %	(% of Estimate	d Construction C	osts [1% for C	M@Ri	sk])	\$142,757
	IISSIONING	1.5 %	(0.5% simple;	e; 1.0% moderate; 1.5% complex) \$2				
SPEC	AL INSPECTIONS/MATERIALS		(1.25% estimat					
SUST	AINABILITY	%	(3% LEED Gol	d, 2% LEED Silv	er)			\$0
			Includes progra	amming, feasibilit	tv analysis			
ADVA	NCE PLANNING	%		d Construction C				\$0
	5.	2 0/			*	=0/	B. D.)	
CONT	INGENCIES	3 %	(% of Estimate	d Construction C	osts [3% New	or 5%	R&R])	\$428,271
ESTIN	IATED COSTS (% of Estimated C	onstruction Costs + Cor	ntingencies + De	esign Fee)				\$16,524,105
Escala	tion = percent per month multiplied b	y number of months	-	,			Ų.	
	Est. Date to mid-point of construction)		24	months	0.12	% pe	r month	
•	Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-3			•		۲۵		
Health B	ldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17	mos = .26%; 18-23 mos = .3	29%; 24-35 mos =	.33%; 36-47 mos = .	.36%; 48-60 mos	= .38%		
ESCA	ATION COST INCREASE (Total of	Estimated Costs x Esc	alation %)				-	\$475,894
TOTA	L ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Incre	ease)			Ĭ	\$17,000,000
		•			W 1848 F			DATE 11.20.14
APPR	OVED BY:	W Hoad)		TITLE University	Architect			DATE III W
	(Governing Board or Agend	y riedu)						

STATE CONSTRUCTION OFFICE WORKSHEET FOR 2007 – 2009

Repair & Renovation

Capital Improvement
(New Construction or Major Renovation)

Name of Department: Capital Project Management

Division or Institution: NC State University

Contact person: Steven R. Bostian

Phone No.: 919-515-8059

Project priority: 1 of 1 total projects

Location (County/Nearest Town): Raleigh, NC Email Address: srbostia@ncsu.edu

Brief title: Campus Infrastructure Improvements and CCUP Addition

Total Est. Project Costs: \$17,000,000 Date of this Estimate*: 11/20/14

Previously, has an OC-25 been certified for this project?

] Yes ⊠No

If so, give OC-25 No.

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

Proposed Project Schedule

Estimated date funds will be allocated: February 2015

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

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

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

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

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

Estimated date for starting construction: 4/22/16

Estimated date of construction midpoint: 10/22/16

Estimated date of project completion: 3/20/17

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

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

R&R and Capital Improvement (Major Renovation)

 $N/A \boxtimes$

information is needed relative to the project(s) involved. (If more than one building is included
in the project, duplicate and complete this portion for each building.) Name of building described below:
Yes No – Has this project been included in an FCAP report from the State Construction Office? If so, attach a copy of the applicable portions of that report, which indicates the date of the report, recommended work, priority, and the estimated cost. Original building completion date (year): Yes No – Is the building on a Historic Register? Yes No – Is the building in a Historic District? Type of original construction:
Wood Masonry Steel Concrete Metal Building Approximate dates and types of previous renovations/additions: Yes No – Has there been an asbestos survey of the building? Yes No – Is an asbestos containing material (A.C.M.) present? Is the total quantity of A.C.M. considered major or minor? Yes No – Has there been a lead-based paint survey?
Yes No – Is lead-based paint present? If so, describe general locations: Yes No – Will environmental sustainability and energy use goals be set using a design standard such as the "High Performance Guidelines" or "LEED™"? Portions of the building to be renovated, if not entire building: Total square footage of this building: Is this SF net □ or gross □?
Approximate square footage to be renovated within the building: Yes No – Will the roof be repaired/replaced in this project? If not, give date (or estimated date if no records are available) of last major roof repair or replacement: Yes No – Does this project include any ADA compliance work? Yes No – Does this project include any Department of Insurance items or Life Safety Code Items?
If so, specify items previously reported that would be corrected. (If necessary, attach a copy of the letter which references these items.)
Complete the checklists for each discipline attached with this worksheet. (You must indicate N/A if not applicable for the work proposed.) Signature of person submitting worksheet:
Capital Improvement Projects (New Construction) N/A This project constructs an 5,600 GSF addition to the Centennial Campus Utility Plant (44,859 GSF) built in 2004.
Yes No – Will this project be constructed on a new undeveloped site? If not, briefly describe the type of development on the site: currently a gravel parking area Yes No – Is there an existing building(s) which will require removal or demolition? If so, give the approximate square footage: and number of stories: Yes No – Are there any existing underground storage tanks? If so, give the approximate size: and number of tanks:

11. Is there a lot \square , some \square , or no \square equipment/penetrations on the roof?

Revised 7/13/2007

12.	What additional work is needed other than roofing? (gutters, downspouts, fa	
	trim, equipment, painting, etc.?)	
13.	☐ Yes ☐ No – Is there any slope in the existing roofing system?	
14.	Is the slope in the structure □, or was tapered insulation used □?	
15.	Will analysis be done regarding potential benefits of the following items? (Check if	
	applicable.)	
	Incorporation of roof insulation in excess of that required by code	
	☐ Daylighting	
	Rainwater collection	
	Roof surface reflectivity	
	Life cycle cost	
16.	What roofing system would you propose as the roofing replacement?	
CIV	IL/STRUCTURAL N/A	П
	air & Renovation Projects:	
1.	Yes No – Is any of the property within a regulatory floodplain? If so:	
2.	Yes No – Is the Building within the floodplain? If so:	
3.	Yes No – Is the finished floor elevation at least 2 feet above the 100-year floor	hd
	elevation?	<i>,</i>
4.	☐ Yes ☐ No – Are the proposed renovations valued at greater than 50% of the	
	current market value of the building itself?	
5.	Yes No – Is any associated "development" (grading, paving, etc.) within the	
	floodplain?	
6.	Yes No – Will the proposed project impose significant new loads, such as roo	of-
	top HVAC equipment, high density filing systems, operable folding partitions, etc.?	
7.		sult
	in the building's classification as an "essential" facility as defined by the North Carolin	ıa
	State Building Code? "Essential" facilities include fire, rescue, or police stations, prir	nary
	communications facilities, surgical or emergency medical facilities in Group I	
	(institutional) complexes, and emergency power generating stations.	
New	Projects:	
	Yes No – Is any portion of the proposed property within a regulatory floodpla	ina
2.	Yes No – Is the proposed Building within the floodplain? If so:	In?
	Yes No – Can the finished floor elevation of the building be established at least	ot 2
	feet above the 100-year flood elevation without creating operational difficulties or	51 2
	requiring excessive amounts of fill?	
	Yes No – Is any associated "development" (grading, paving, etc.) within the floodp	ain?
	If so:	alli
3.	Yes No – Does the development encroach upon a regulatory floodway?	
4.	Yes No – Does the development alter the watercourse?	
5.	Yes No – Is the topography of the proposed site suitable for development?	
6.	Yes No – Will significant cut or fill be required?	
7.	Yes No – Does the site possess sufficient space for access drives and parking	n2
8.	Yes No – Is any information available regarding subsurface conditions previo	nelv a:
\$550K	encountered on this property or adjacent property?	usiy
9.	Yes No – If a pre-engineered metal building will be used, will the exterior wal	le
	be standard corrugated metal cladding or masonry?	13

HV	AC SYSTEMS: (Check if applicable)	N/A
1.	Anticipated HVAC system: Steam Supplied Air Handling Units	<u></u>
2.	Complex – Central system (ex.: chiller, boiler, central VAV air handlers)	
3.	∠ - Less Complex – Distributed system (ex.: split system heat pumps)	
4.	- Simple - (ex.: gas pack, split systems)	
5.	- Heat and/or ventilation only	
6.	- Other:	
7.	Yes No – Will an HVAC system be demolished and/or replaced?	
8.	Yes No – Will ceiling and light fixtures need to be removed/replaced to HVAC renovations?	allow
9.	☐ Yes ☐ No – Will HVAC system repairs or renovations require asbestos abatement?	
10.	Yes No – If work involves replacement of a chiller within a mechanical	
	has emergency refrigerant exhaust and other safeties been considered in the considered in the considered in the constant of th	ost
11.	☐ Yes ☐ No – Does the work involve the replacement or installation of under	raround
	piping systems? If so, indicate the systems involved and approximate linear fee	rground
	piping.	et or
12.	Yes No – Will targets be established for annual energy use and costs for	4l- ! -
12.	building or renovated space?	or this
13.	Yes No – Will an integrated design approach, including computer mode	е с
10.	used to minimize HVAC loads and equipment size through the design of the enlighting, daylighting, insulation and coatings?	velope,
PLU	JMBING SYSTEMS: (Complete if applicable)	N/A
1.	How far will underground utilities need to be extended to serve this building? (<u>i. utilities readily available on site?</u>) Indicate "X" if no extension is required.	e.: are
2.	X ft. – Domestic Water	
3.	ft. – Fire Sprinkler Water (<u>adequate flow and pressure?</u>)	
4.	X ft. – Sanitary Sewer	
5.	X ft. – Storm Drainage	
6.	X ft. – Natural Gas	
7.	List any special plumbing system required (ex.: compressed air, vacuum, DI water, etc.): N/A
8.	Are fire sprinklers intended for this facility? \times Yes $\mid \cdot \mid$ No $-$ If so, continue.	
9.	What type of system is anticipated? wet ⊠, dry pipe □, or both □.	
10.	Is a fire pump anticipated? ☐ Yes ☒ No	
11.	Will the entire building be sprinklered? \boxtimes Yes \square No – If not, what square foot be sprinklered? () sq.ft.	age will
FIF	ECTRICAL SCOPE OF WORK	•
	VIDE A NARRATIVE OF THE INTENDED WORK.)	AL

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

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

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

☐ Fire alarm system.☐ Grounding system.

Institution:	NC State University	Advance Planning Request: New Capital Project*:
Increase in Autho	rization from: \$350,000 to \$450,000	Tiew Capital Froject .
Project Title: H	lazardous Waste Facility	
Project Cost: \$1	00,000 increase (Total project cost \$450,000 in	ncluding previously approved \$350,000)
Source of Funds:	F&A	
*If this project ha	s previously had advance planning authority, p	lease 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:

authority is carried. Code 41224 Item 317

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

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

See attached OC-25.

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

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

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

Design Start: 4/29/13 Design Complete: 6/19/13

Construction Start: 4/27/15 Construction Complete: 10/24/15

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

N/A

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

No revenues will be derived from this project.

7. An explanation of the means of financing:

F&A will fund this increase in authority.

Form OC-25 (Rev 05/12)

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

	RTMENT and DIVISION:	North Carolina Sta	ate University				DATE:	04/22/15
	ECT IDENTIFICATION:	Hazardous Waste Facility						0.122710
	ECT CITY or LOCATION:	Raleigh - Centennial Biomedical Campus						
PROJ	ECT DESCRIPTION & JUSTIFICATI	ON: (Attach add'l data as	necessary to ind	icate need, size, fun	ction of improv	ements as well :	as a master n	dan)
Const	ruction of 1200 sq ft building for safe	storage of flammable	liquids, gases	s. solids, and cor	rosive chem	icals	is a master p	nan.)
			1 , 3	, condo, and con	TOOTTO ONCH	ilodio,		
(Defini	tions/explanations are provided on pg 2 t	o assist in completion of	of this form.)					
CURF	ENT ESTIMATED CONSTRUCTION	COST	,	QTY	UNIT	COST PE	D HNIT I	TOTAL
A.	Land Requirement			3	O M		14-OIM 1	\$0
B.	Site Preparation							φυ
	 Demolition 						— т	\$0
	2. Site Work							\$0
C.	Construction			-				φυ
	Utility Services				Ι			¢n
	2. Building Construction (new spa	ice)		1200	sf	\$	235.00	\$0 \$282,000
	3. Building Construction (existing				-	<u> </u>	200.00	\$0
	4. Plumbing (new space)			1200	sf	\$	19.00	\$22,800
	HVAC (new space)			1200		\$	45.00	\$54,000
	6. Electrical			1200		\$	30.00	\$36,000
	Fire Supression and Alarm Sys	tems		1200	sf	\$	10.00	\$12,000
	Telephone, Data, Video							\$0
	Associated Construction Costs			1	lump sum	\$	446.00	\$446
_	10. Other:		_					\$0
D.	Equipment							
	1. Fixed							\$0
	2. Moveable							\$0
	IATED CONSTRUCTION COSTS							\$407,246
Items b	elow may be calculated by percentage or lu	ımp sum. If using lump	sum, make entry	in \$ field.			_	
חבסוכ	NEEL	0/	Water Carlos Common Com					
	N FEE			ed Construction Co			Γ	\$30,537
	ONSTRUCTION COSTS	%	(% of Estimate	ed Construction Co	osts [1% for C	CM@Risk])	Γ	\$0
	ISSIONING	%	(0.5% simple;	1.0% moderate; 1	.5% complex)	Γ	\$0
	AL INSPECTIONS/MATERIALS		(1.25% estima				Г	\$0
SUSTA	AINABILITY	%	(3% LEED Go	Gold, 2% LEED Silver)				
			Includes progr	amming, feasibilit	v analysis			
ADVAN	ICE PLANNING	%	(% of Estimate	ed Construction Co	osts)			\$0
CONTI	NGENCIES						H	
CONT	NGENCIES -	3 70	(% of Estimate	ed Construction Co	osts [3% New	or 5% R&R])	L	\$12,217
ECTIM	ATED COSTS (% of Estimated Co						k	
		enstruction Costs + Con	itingencies + De	esign Fee)			L	\$450,000
	ion = percent per month multiplied by		_		ver/ 6:00			
	Est. Date to mid-point of construction) =		2		0	% per month	I.	
senerai E	ildgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35	mos = .12%; 36-47 mos = .7	16%; 48-60 mos =	.18%				
lealth Blo	lgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 n	nos = .26%: 18-23 mos = 29	9%: 24-35 mos = 3	33%: 36-47 mas = 36	10/- 10 60 mas =	200/		
	ATION COST INCREASE (Total of I			.50 - 20 N N50	70, 40-00 11105 -	.30%	г	
		- Sumatod Costo X Est	alation 70)				L	\$0
IATO	ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Incr	ease)			Γ	\$450,000
							L	
APPRO	VED BY:		_	TITLE WHIY.	HECH ITE	CT	D	DATE 4.22.15
	(Governing Board or Agend	v Head)					_	

Ins	nstitution: University of North Carolina at Chapel Hill	Advance Planning Request:
	roject Title: Aycock Family Medicine Renovation	New Capital Project*:
Pro	Project Cost \$4.177.108	
So	ource of Funds: Clinical Receipts	
	If this project has previously had advance planning authority, please identification uthority is carried. Code_41222 Item_304	ntify code/item number under which that
Fo	or each advance planning project or capital construction project, pl	ease provide the following:
1.	. A detailed project description and justification: The renovation of the William B. Aycock Family Medicine Building will expand and mode renovation will add clinical capacity with additional exam rooms, a nan ability to secure parts of the facility for more extensive after-hours authorization will be increased by \$577,108 to a new total of \$4,177, additional 27 exam rooms and the installation of the UNCH data network.	ernize this patient care facility. This more efficient and patient- friendly flow, and a care. This project's current funding 108. This will allow for the renovation of
2.	. An estimate of acquisition, planning, design, site development, const (Answer for capital construction only and include a completed OC-25	
3.	. An estimated schedule of cash flow requirements over the life of the construction only):	project by FY quarters (Answer for capital
	YTD: \$1,737,162 1 ST Q 15-16: \$243,995 2 ND Q 15-16: \$853,981	
	3 RD Q 15-16: \$975,978 4 TH Q 15-16: \$365,992	
4.	. An estimated schedule for the completion of the project: Project und November 2015	erway with completion estimated by
5.	. An estimate of maintenance and operating costs and source of fundin covering the first five years of operation (Answer for capital construction).	• • .
6.	• An estimate of revenues, if any, likely to be derived from the project, (Answer for capital construction only): na	covering the first five years of operation
7.	. An explanation of the means of financing: Clinical Receipts	

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION

STATE CONSTRUCTION OFFICE

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

Form OC-25 (Rev 05/12)

	ARTMENT and DIVISION:	The University of				_	DATE: _	06/26/15
	JECT IDENTIFICATION:	Aycock Family M	edicine Center	Renovation		•		
PRO	JECT CITY or LOCATION:	Chapel Hill, NC						
	JECT DESCRIPTION & JUSTIFICATION							
The	renovation of the Family Medicine Center	, located in the W	illiam B. Aycoc	k Family Medici	ne Building	will expa	and and moderniz	ze this patient care
facili	iles. This renovation will add clinical cap	acity with addition	al exam rooms	s, a more efficier	nt and patier	nt- friend	ly flow, and an at	oility to secure parts of
	acility for more extensive after-hours care							
This	project's current funding authorization wi	II be increased by	\$577,108 to a	new total of \$4,1	177,108. Th	is will al	low for the renov	ation of additional 27
exan	rooms and the installation of the UNCH	data network infra	estructure syste	em.				
 .								
	itions/explanations are provided on pg 2 to a		of this form.)	I sand	0.05	1000	T DED INIT	** ** ***
	RENT ESTIMATED CONSTRUCTION C	081		QTY	UNIT	COS	T PER UNIT	TOTAL \$0
A. B.	Land Requirement							0.0
₽.	Site Preparation 1. Demolition				1			\$0
	2. Site Work			1	ĹS	\$	120,610.00	\$120,610
C.	Construction			<u>'</u>	100	1	120,010,00	¥112,010
	Utility Services				1	1		\$0
	Building Construction (new space))				 		\$0
	Building Construction (existing)	,		26,800	SF	\$	36,64	\$981,952
	4. Plumbing (new space)			26,800		\$	8.94	\$239,592
	5. HVAC (new space)			26,800		\$	26.49	\$709,932
	6. Electrical (Includes TV & Radio St	tudio)		26,800	SF	\$	16.85	\$451,580
	7. Fire Supression and Alarm Syster	ns		26,800		\$	4.43	\$118,724
	8. Telephone, Data, Video			26,800		\$	4,39	\$117,652
	Associated Construction Costs				LS	\$	127,008.00	\$127,008
	10. Other: Owner Rese	erve		1	LS	\$	363,677.00	\$363,677
D.	Equipment			4		1.0	0.000.001	60,000
	1. Fixed				LS 10	\$	2,000.00	\$2,000
COTI	2. Moveable			1	LS	\$	334,000.00	\$334,000
	MATED CONSTRUCTION COSTS							\$3,566,727
items i	pelow may be calculated by percentage or lump	sum. If using lump	sum, make entry	in \$ tieta.				
DESI	GN FEE	10 %	1% of Fetimate	ed Construction Co	nete)			\$356,673
	CONSTRUCTION COSTS	d Construction Co	\$0					
				1.0% moderate; 1	\$35,667			
	HAL INSPECTIONS/MATERIALS		(1.25% estima		\$0			
	AINABILITY		•	ld, 2% LEED Silve	\$0			
0001			,	•	•		-	
۸۵۷۸	NOT DI ANNINO	2 %		amming, feasibility d Construction Co				\$71,335
MUVM	NCE PLANNING	2 /0	(% OF ESTIMATE	a Construction Co				
CONT	INGENCIES	5 %	(% of Estimate	d Construction Co	sts [3% New	or 5% R	&R])	\$178,336
		<u>.</u>						
ESTIN	MATED COSTS (% of Estimated Const	ruction Costs + Cor	itingencies + De	sign Fee)				\$4,030,402
Escala	ation = percent per month multiplied by nu	mber of months						
From	Est. Date to mid-point of construction) =		14	months	0.26	,% per n	nonth	
3eneral	Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos	= .12%; 36-47 mos = .	16%; 48-60 mos = .	.18%				
lealth B	!dgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos =	= 26%: 18-23 mas = 29	1%: 24.35 mae = 3	3%: 36-47 mas = 36	%: 48-60 mas =	38%		
	LATION COST INCREASE (Total of Esti			070, 00 47 110300	70, 40 00 mos	.0070		\$146,707
-00/1	EATION COOT INCINEAGE (TOTAL OF EST	illated Gosts X Est	atation 10)				L	
ΓΟΤΑ	L ESTIMATED PROJECT COSTS;	Estimated Costs + Es	calation Cost Incre	ease)				\$4,177,108
	11 - 11	'					· · · · · · · · · · · · · · · · · · ·	Malie
\PPR	OVED BY: // // //			TITLE: Director Fac	ilities Planning		<u>DA</u>	TE 6/16/15
	(Governing Board or Agency H	ead)						•
	\cup							

Ins	stitution:	The University of	North Carolina at	Chapel Hill	Advance Planning Request					
Inc	crease in Authorization	n from: \$ <u>323,390</u>) to \$498.50	<u>0</u>	New Capital Project*:					
Pro	Project Title: Repairs to Pedestrian Bridges Over Manning Drive									
Pro	oject Cost: \$498,500	1								
So	ource of Funds: State F	R&R Funds and Ho	ospital Nongeneral	Fund Revenue						
	If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code <u>41223</u> Item <u>326</u>									
Fo	For each advance planning project or capital construction project, please provide the following:									
1.	Provide detailed des	scription and justifi	cation:							
and cor Cer inc	d UNC Hospitals and quired by NCDOT for necrete and protective center). The project incoluding emergency velocity of the project incoluding emergency velocity.	Health Affairs build bridges that span Not coatings of bridges or bridges or bridges at raffic chicles and public tral of \$498,500. A	Idings. These defined the NCDOT controlle #670317 (Dental control plan to matansportation. This	ciencies were ident d roads. The scope School), #670261 nage, direct and pros s project's current	ing Drive between the parking decks tified during inspections that are includes repairs to structural steel, (Center Bridge) and #670318 (Cancer otect pedestrian and vehicular access, funding authorization will be increased or the cost of construction which is					
2.	An estimate of acqu (Answer for capital				n, contingency and other related costs					
	See attached OC	C-25 form .								
3.	An estimated schedu construction only):	ule of cash flow rec	quirements over th	e life of the projec	et by FY quarters (Answer for capital					
ΥT	ΓD: \$25,030 1 st Qtr	2015-16: 150,000	2nd Qtr 2015-16	: 200,000 3 rd Qtr	r 2015-16: 123,470					
4.	An estimated schedu	ule for the completi	ion of the project:	12/15/2015						
5.	An estimate of main covering the first fix				upport these costs, including personnel, only):					
	na									
6.	An estimate of rever (Answer for capital			n the project, cover	ring the first five years of operation					
	n/a									

7. An explanation of the means of financing: State R&R Funds and Hospital Nongeneral Fund Revenue

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION

STATE CONSTRUCTION OFFICE

Form OC-25 (Rev 05/12)

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

DEPARTMENT and DIVISION: The University of North Carolin				at Chapel Hill			DATE:	06.25.2015
PROJECT IDENTIFICATION: Repairs to Pedestrian Bridges Ove					rive			
	JECT CITY or LOCATION:	Chapel Hill, NC						
	JECT DESCRIPTION & JUSTIFICATI							
	project will address the deficiencies to							
	s buildings. These deficiencies were in			, ,				
	e includes repairs to structural steel, or		_	-	•		•	- ,
-	cer Center). The project incorporates a	a tranic control plan i	to manage, otre	ct and brotect i	pedestrian ai	na venicular	access, inc	auding emergency
	les and public transportation. project's current funding authorization	/\$303 400\ will be in	acrospeed by \$1	75 010 to a nov	au total of \$40	38 EUU V 44	itional fundi	na is required to cover
	ost of construction which is limited to e			70,010 to a nev	w total of \$45	10,500. Aud	ulonai lunui	ilg is required to wiver
		•	145.		ं । अंशक	1 000t t	erro i ikilori	Control of the
A.	RENT ESTIMATED CONSTRUCTION Land Requirement	10081		QTY	UNIT		ER UNIT	TOTAL \$0
В.	Site Preparation			L	1	<u> </u>		ψU
U,	1. Demolition				1	T		\$0
	2. Site Work							\$0
C.	Construction			L				
	1. Repair Bridge #670317			1	l ea	\$	179,434	\$179,434
	2. Repair Bridge #670261			1	lea	\$	140,901	\$140,901
	3. Repair Bridge #670318			1	lea	\$	123,644	\$123,644
	Plumbing (new space)							\$0
	5. HVAC (new space)					ļ		\$0
	6. Electrical (Includes TV & Radio							\$0
	7. Fire Supression and Alarm Syst	tems						\$0 60
	8. Telephone, Data, Video9. Associated Construction Costs				 			\$0 \$0
	10. Other:					<u> </u> 		\$0 \$0
D.	Equipment				1	1		Ψ
	1. Fixed							\$0
	2. Moveable							\$0
ESTI	MATED CONSTRUCTION COSTS							\$443,979
ltems b	elow may be calculated by percentage or lu	mp sum. If using lump	sum, make entry	In \$ field.				
							r	
	SN FEE	10.3% %	•	d Construction C	•		1	\$45,708
	ONSTRUCTION COSTS		% (% of Estimated Construction Costs [1% for CM@Risk])					\$0
	MISSIONING		% (0.5% simple; 1.0% moderate; 1.5% complex)					\$0
	IAL INSPECTIONS/MATERIALS		(1.25% estimat		•			\$0.00
5051.	AINABILITY	70	(3% LEED Gold	d, 2% LEED Silve	er)		-	\$0
		.,	, ,	ımming, feasibilit				•
ADVA	NCE PLANNING	%	(% of Estimated	d Construction Co	osts)		-	\$0
CONT	INGENCIES	2.0 %	(% of Estimated	d Construction Co	osts [3% New	or 5% R&R])	\$8,813
							Ī	
ESTIN	IATED COSTS (% of Estimated Co	nstruction Costs + Con	itingencies + Des	sign Fee)			L	\$498,500
	tion = percent per month multiplied by	number of months						
	Est. Date to mid-point of construction) =			months		% per mont	h	
General	Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 n	nos = .12%; 36-47 mos = .	16%; 48-60 mos = .	18%				
leaith B	dgs: 0-5 mos = ,18%; 6-11 mos = ,22 %; 12-17 mo	os = 26%: 18-23 mos = .29	9%: 24-35 mos = 33	3%: 36-47 mos = 36	5%: 48-60 mas =	.38%		
	ATION COST INCREASE (Total of E				, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Γ	\$0
			ŕ				L	
ГОТА	LESTIMATED PROJECT COST\$	(Estimated Costs + Es	calation Cost Incre	ase)			L	\$498,500
יםםם י	OVED BY: // WM/			TITLE . Disc + - E	alitata e Di	_		\$498,500 PATE 6/26/15
477K((Governing Spard or Agency	Hood\	-	TITLE : Director Fa	icilities Planning	l	<u>u</u>	MIC - COI . 3
	(Coverning coard or Agency	11000/						
	V							

Ins	stitution: W	Vestern Carolina University		Advance Planning Request:					
		from: \$22,510,000 to \$25,77		New Capital Project*: X					
	_	ding Renovation and Addition	<u>0,0 0 0</u>						
Pro	oject Cost: See OC-25	attached							
So	urce of Funds: Debt sup	ported by Student Fees and Ho	using/Dining Revenues +	- Dining Reserves					
	this project has previous thority is carried. Code		ority, please identify code	e/item number under which that					
Fo	r each advance planni	ng project or capital construc	tion project, please pro	vide the following:					
1.	A detailed project description and justification:								
	Project is to renovate and provide an addition to Brown Building to increase dining capacity on campus. Project will include site work to incorporate new circulation paths, parking and utilities.								
2.	An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (a completed OC-25 form)								
	Original OC-25 is included (\$22,510,249), which contained an error in the spreadsheet that excluded contingency costs (see handwritten citations on attached OC-25). This error accounts for about \$1 million of the requested increase. The remainder of the requested increase can be accounted for in higher costs for site work than provided in the original formula and in an increase in the square footage planned after going through advance planning. This is a result of the use of a low estimator of the required additional space in the original formula.								
3.	An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):								
	FY16-1 - \$2 million	FY16-2 - \$4 million	FY16-3 - \$6 million	FY16-4 - \$6 million					
	FY17-1 - \$6 million	FY17-2 - \$1.5 million							
1	An estimated schedule	e for the completion of the proje	ot:						

An estimated schedule for the completion of the project:

This project is in the final stages of design and is expected to begin construction in the Fall of 2015, with expected completion in the Spring of 2017.

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

Operating costs will be funded from Dining Receipts.

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

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

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

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.)

(Governing Board or Agency Head)

			ddition & Renovation			DATE:	DATE: 07/08/15	
	DJECT CITY or LOCATION:							
PRO	DJECT DESCRIPTION & JUSTIFICATION: (Att	ach add'l data a:	s necessary to indic	ate need, size, fun	nction of improveme	nts as well as a master	plan.)	
CHE	RRENT ESTIMATED CONSTRUCTION COST			QTY	UNIT C	OST PER UNIT	TOTAL	
A.	Land Requirement			QII	OIIII O	OST I ER OITH	\$0	
В.	Site Preparation		L	<u> </u>		I	+ 0	
	Demolition & HAZMAT			33388	\$	16.62	\$554,909	
	2. Site Work			1	1 \$	2,982,342.00	\$2,982,342	
C.	Construction		L					
	1. Utility Services		Γ	1	1 \$	1,100,000.00	\$1,100,000	
	2. Building Construction (new space)			29342	\$	204.93	\$6,013,056	
	Building Construction (existing)			33388	\$	164.73	\$5,500,005	
	4. Plumbing (new space)			29342	\$	20.63	\$605,325	
	5. HVAC (new space)			29342	\$	36.63	\$1,074,797	
	6. Electrical			29342	\$	29.93	\$878,206	
	7. Fire Supression and Alarm Systems			62730	\$	5.06	\$317,414	
	8. Telephone, Data, Video			62730	\$	3.37	\$211,400	
	Associated Construction Costs			1			\$0	
	10. Other: General Condition	ns	_				\$1,338,894	
D.	Equipment		-					
	1. Fixed			1	\$	1,300,000.00	\$1,300,000	
	2. Moveable		<u> </u>	1]			101.07(.010	
	TIMATED CONSTRUCTION COSTS					L	\$21,876,349	
Items	s below may be calculated by percentage or lump sur	n. If using lum	p sum, make entry	in \$ field.				
D.E.C	NON FEE	11 0/	(0) (5)			Г	¢2.504.400	
	SIGN FEE		(% of Estimated			.0(11)	\$2,504,600 \$93,013	
	ECONSTRUCTION COSTS	0.4 %		\$139,652				
	MMISSIONING	0.6 %	(· · · · · · · · · · · · · · · · ·	\$139,032				
			,	\$125,000				
303	TAIIVADILIT I		(*** ====		•	-	ΨΟ	
ADVANCE PLANNING 0.5 %			Includes program (% of Estimated	\$162,826				
CONTINGENCIES 4 %			(% of Estimated	\$875,054				
EST	TIMATED COSTS (% of Estimated Construct	on Costs + Co	ntingencies + Des	sign Fee)			\$25,776,494	
Esc	alation = percent per month multiplied by number	er of months				_		
•	m Est. Date to mid-point of construction) =		0	months _	0 % p	er month		
	ral Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .							
	h Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26				36%; 48-60 mos = .38	3% -	**	
	CALATION COST INCREASE (Total of Estimat	ed Construction	on Costs x Esca l	lation %)		_	\$0	
TO	TAL ESTIMATED PROJECT COSTS (Estin	nated Constructi	ion Costs + Escalati	ion Cost Increase)			\$25,776,494	
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