<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.

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

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

<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.

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

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

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

<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.

<u>UNCC – Residence Dining Hall Renovation</u>: 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.

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

Ins	stitution:	North Carolina A&T State University	Advance Planning Request:
Inc	crease in Authorizati	tion from: \$0 to	New Capital Project*: X
Pro	oject Title: Morrow	w Hall Electrical and Rest rooms Upgrade	
Pro	oject Cost: \$1,106,8	846	
So	urce of Funds: Hous	sing (Self Liquidating Funds)	
		eviously had advance planning authority, please ic	dentify code/item number under which that
Fo	r each advance pla	anning project or capital construction project,	please provide the following:
1.	project will make t age and continual t electrical branch of requires a separate	idence Hall was built in 1960. It is a two story far the existing restrooms ADA compliant, replacing failure, and abate asbestos insulation on the pipes circuits and panels. The existing circuits are grou- e ground wire for each circuit. This will require re- placed at the same time.	g plumbing pipes that have deteriorated due to s. The project will also replace the existing nded via metal raceways. The current code
2.	An estimate of con	nstruction, contingency and other related costs (a	completed OC-25 form) is attached.
3.	An estimated sche construction only): 15%).	edule of cash flow requirements over the life of th : August 2015 thru July of 2016 (1 st quarter 15%)	ne project by FY quarters (Answer for capital 5, 2 nd quarter 35%, 3 rd quarter 35%, 4 th quarter
4.	An estimated sched	edule for the completion of the project: August of	f 2016
5.	covering the first f	nintenance and operating costs and source of fund five years of operation (Answer for capital constr acility. The building is currently being maintained	ruction only): No anticipated increase in
6.		venues, if any, likely to be derived from the project al construction only): The project will generate n	
7.	An explanation of	f the means of financing: Project funded by Hous	ing Fees

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE

Form OC-25 (Rev 05/12)

DATE: 04/28/15

PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT

BIENNIUM 2013 - 2015

Morrow Hall Bathrooma and Electrical Upgrades

North Carolina A&T State University

Greensboro, NC

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

(Governing Board or Agency Head)

DEPARTMENT and DIVISION:

PROJECT IDENTIFICATION:

PROJECT CITY or LOCATION:

PROJE	CT DESCRIPTION & JUSTIFICATION: Morrow Resider	nce Hall was bui	lt in 1960. IT i	s a two stor	y facility th	nat houses 202	students. The proposed
insulati	will make the existing restrooms ADA compliant, replace on on the pipes. The project will also replace the existin rrent code requires a separte ground wire for each circui	ig electrical bran	ch circuits and	l panels. Th	ne existing	ı system is grou	nd via metal raceways.
	rent code requires a separte ground whe for each circul ne time.	ıt, tilis wili require	e new reeder d	ilcuits to be	iiistalleu.	THE UIE AND IIX	lures will be replaced at
uic sui	io unic.						
CLIDDI	ENT ESTIMATED CONSTRUCTION COST	Ī	QTY	UNIT	I cost	PER UNIT	TOTAL
CURRI A.	Land Requirement	ŀ	QH	UNIT	0031	I LIX OIVII	\$0 \$0
В.	Site Preparation	L			1		
	Demolition - Bathrooms and electrical	Г	46,227	Sa Ft	\$	3.50	\$161,795
	2. Site Work	•		LS	\$	5,000.00	\$5,000
C.	Construction	L					
	1. Utility Services						\$0
	2. Building Construction (new space)	ľ					\$0
	3. Building Construction (existing) Bathrooms only	Ī	11,557	Sq Ft	\$	7.00	\$80,899
	4. Plumbing		11,557	Sq Ft	\$	22.10	\$255,410
	5. HVAC (new space)						\$0
	6. Electrical		46,227	Sq Ft	\$	9.50	\$439,157
	7. Fire Supression and Alarm Systems		1	LS	\$	14,500.00	\$14,500
	8. Telephone, Data, Video						\$0
	9. Associated Construction Costs						\$0
	10. Other: Asbestos Removal	_	11,557	Sq Ft	\$	4.28	\$49,464
D.	Equipment	-					
	1. Fixed						\$0
	2. Moveable						\$0
	ATED CONSTRUCTION COSTS						\$1,006,224
Items be	low may be calculated by percentage or lump sum. If using lump	o sum, make entry	in \$ field.				
DESIG	N FFF 10 %	(% of Estimated	d Construction C	costs)			\$100,622
		(% of Estimated			CM@Risk1	,	\$0
	ISSIONING %	•		-	-	´ –	\$0
		(1.25% estimate			,		\$0
		(3% LEED Gold		er)			\$0
		Includes progra	mmina feasihili	tv analysis			
ADVAN	ICE PLANNING %						\$0
		(% of Estimated		•	v or 5% R8	√R1)	\$50,311
		•					
	ATED COSTS (% of Estimated Construction Costs + Co	ontingencies + Des	sign Fee)				\$1,106,846
	ion = percent per month multiplied by number of months		months		% per m	onth	
•	Est. Date to mid-point of construction) = 81dgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 mos =	16% 19 60 mos – 1	months		_ % per ii	ЮПШ	
	dgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26%; 18-23 mos = .2			6%: 18_60 mos	_ 38%		
	ATION COST INCREASE (Total of Estimated Construction			070, 40 00 11103	5070		\$0
	· ·	5 55515 A L364				<u> </u>	
TOTAI	ESTIMATED PROJECT COSTS (Estimated Construct	tion Costs + Escalati	ion Cost Increase))			\$1,106,846
APPRO	OVED BY:		TITLE			DA	ATE

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

Ins	titution:	North Carolina A&T State University	Advance Planning Request:
		on from: \$0 to y Residence Hall HVAC Upgrade	New Capital Project*: X
Pro	oject Cost: \$1,154,43	38	
So	urce of Funds: Housi	ing (Self Liquidating Funds)	
		riously had advance planning authority, pleasede Item	se identify code/item number under which that
Fo	r each advance plan	nning project or capital construction proje	ect, please provide the following:
1.	facility that houses system consists of f A steam hot water I hot water depending. The pipes are const	232 students. The proposed project will ren fan coil units in each room, which are fed from heat exchanger is fed by campus steam. The	idence Hall was built in 1967. It is a three story ovate the existing HVAC system. The HVAC om a central chiller plant located in Benbow Hall. unit is a two pipe system that distributes cold or controlled by individual thermostats in each room hardships for the students. The pipes and
2.		uisition, planning, design, site development, 5 form): An OC-25 form is attached	construction, contingency and other related costs
3.	An estimated sched construction only): 15%).	dule of cash flow requirements over the life of August 2015 thru July of 2016 (1st quarter 2015)	of the project by FY quarters (Answer for capital 15%, 2 nd quarter 35%, 3 rd quarter 35%, 4 th quarter
4.	An estimated sched	lule for the completion of the project: Augus	st of 2016
5.	covering the first fi	ntenance and operating costs and source of f ve years of operation (Answer for capital co- cility. The building is currently being mainta	
6.		enues, if any, likely to be derived from the production only): The project will generate	roject, covering the first five years of operation te no additional revenues.
7.	An explanation of t	the means of financing: Project funded by H	ousing Fees

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

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 Company of the North Carolina Caroli			_ DA	TE: 06/25/15	
PROJECT IDENTIFICATION:	Van Story Residence Hall HVA	C Upgrade				
PROJECT CITY or LOCATION:	Greensboro, NC					
PROJECT DESCRIPTION & JUSTIFICATION	3					
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	e students. The p	ipes and ins	sulation will be repla	ced throughout	
the building.						
(Definitions/explanations are provided on pg 2 to	•					
CURRENT ESTIMATED CONSTRUCTION	COST	QTY	UNIT	COST PER UNI	T TOTA	
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
2. Building Construction (new spa	ce)					\$0
 Building Construction (existing) 	,	38,618	Sq Ft	\$ 4	.00	\$154,472
4. Plumbing (existing)						\$0
5. HVAC (existing)		38,618	Sq Ft	\$ 12	.77	\$493,152
6. Electrical (existing)		38,618	Sq Ft	\$ 7	.32	\$282,684
7. Fire Supression and Alarm Sys	tems		<u> </u>			\$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						\$0
ESTIMATED CONSTRUCTION COSTS		•				\$998,515
Items below may be calculated by percentage or le	ump sum. If using lump sum, make er	ntry in \$ field.				
DESIGN FEE		ated Construction C	osts)			\$99,851
PRECONSTRUCTION COSTS		ated Construction C		CM@Risk])		\$0
COMMISSIONING	0.5% (0.5% simple					\$4,993
SPECIAL INSPECTIONS/MATERIALS	% (1.25% estin			,		\$0
SUSTAINABILITY		Gold, 2% LEED Silv	er)			\$0
-		gramming, feasibili	•			
ADVANCE PLANNING	•	ated Construction C	, ,			\$0
CONTINGENCIES	5 % (% of Estima	ated Construction C	costs [3% Ne	w or 5% R&R])		\$49,926
ESTIMATED COSTS (% of Estimated Co	onstruction Costs + Contingencies +	Dosian Fool			\$	1,153,284
Escalation = percent per month multiplied by	· ·	Design recy			Ψ,	1/100/201
(From Est. Date to mid-point of construction)		4 months	0.02	5 % per month		
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35			0.020			
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 r			36%: 48-60 mc	os = 38%		
ESCALATION COST INCREASE (Total of		.5070, 50 17 11103	.5070, 10 00 1110	.5070		\$1,153
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Escalation Cost II	ncrease)			\$	1,154,438
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Escalation Cost II	ncrease)			, p	1,134,430

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

Ins	titution:	NC State Univ	versity		Advance Planning Request:			
		ntion from: \$ Hill Accessibility			New Capital Project*: X			
Pro	oject Cost: _\$700,	000						
Sou	urce of Funds: Li	braries F&A acco	unt					
		reviously had adva		thority, please ide	entify code/item number under which that			
Fo	r each advance p	lanning project o	r capital constru	uction project, p	please provide the following:			
1.	A detailed project	et description and j	justification:					
	The existing north tower elevator is located in the DH Hill Old Bookstacks adjacent to the Erdahl Cloyd Wing with non-aligning floors. All current stops are within the Old Bookstacks. This project will modify the cab and the structural system to carry additional loads of extended elevator service. This change will provide an improved accessible route to access the Erdahl Cloyd Wing with a new elevator stop. The elevator well will be modified to install a new hydraulic jack assembly in addition to upgrading the microprocessor-based signal control system.							
2.	An estimate of ac (a completed OC		g, design, site de	evelopment, cons	truction, contingency and other related cos	ts		
	See attached OC	-25.						
3.	An estimated sch construction only		v requirements o	ver the life of the	e project by FY quarters (Answer for capita	.1		
	FY 2016 FY 2017	<u>Q1</u> \$225,937	<u>Q2</u> \$11,302 \$310,362	<u>Q3</u> \$24,598 \$67,599	Q4 \$9,150 \$51,052			
4.	An estimated sch	nedule for the com	pletion of the pro	oject:				
	Design start: 12/ Construction Sta	16/15 Designt: 7/13/16 Cons	gn Complete: 5/1 struction Comple					
5.		naintenance and operative years of oper			ng to support these costs, including personaction only):	nel		
	N/A							
6.		evenues, if any, lik tal construction or		I from the projec	t, covering the first five years of operation			
	No revenues will	be derived from t	his project.					
7.	An explanation of	of the means of fin	ancing:					

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

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

Form OC-25 (Rev 05/12)

	RTMENT and DIVISION:	North Carolina Sta				DATE:	06/11/15	
PROJECT IDENTIFICATION: PROJECT CITY or LOCATION: PROJECT CITY or LOCATION: Raleigh - North Campus Precinct								
	PROJECT CITY or LOCATION: Raleigh - North Campus Precinct PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)							
PROJ	ECT DESCRIPTION & JUSTIFICATION	ON: (Attach add'l data as	s necessary to inc	licate need, size, fu	nction of improv	ements as well as a master	plan.)	
The ex	tisting north tower elevator is located	in the DH Hill Old B	ookstacks adj	acent to the Erd	lahl Cloyd W	ing with non-aligning f	loors. All current stops	
are wit	hin the Old Bookstacks. This project	will modify the cab a	and the structu	iral system to ca	arry additiona	al loads of extended e	levator service. This	
change	e will provide an improved accessible	route to access the	Erdahl Cloyd	Wing with a new	w elevator st	op. The elevator well well	will be modified to	
install	a new hydraulic jack assembly in add	ition to upgrading th	e microproces	ssor-based sign	al control sys	stem.		
/Definit	iona/ovalonationa are accided as a 0 to							
	ions/explanations are provided on pg 2 to ENT ESTIMATED CONSTRUCTION		this form.)			I Marie and a second		
A.	Land Requirement	COS1		QTY	UNIT	COST PER UNIT	TOTAL	
В.	Site Preparation						\$0	
Ь.	Demolition							
	2. Site Work						\$0	
C.	Construction					L	\$0	
0.	Utility Services				F			
	Building Construction (new span	(00					\$0	
	Building Construction (new spar Building Construction (existing)	u c)		<u> </u>	luman auma	A 400 045 00	\$0	
	Plumbing (new & existing space)	۱۵			lump sum	\$ 498,245.00		
	5. HVAC (new & existing space)	•)		1	lumn cum	\$ FC.FF0.00	\$0	
	Electrical (existing space)			1	lump sum	\$ 56,550.00 \$ 33.040.00		
	7. Fire Supression and Alarm Sys	tems (new & existing	r snace)	1	lump sum	\$ 33,040.00 \$ 4,130.00		
	8. Telephone, Data, Video (new 8		g opado)		Turrip Surri	4,130.00	\$4,130	
	9. Associated Construction Costs	3 -p 7		1	lump sum	\$ 13,048.00	\$0 \$13,048	
	10. Other:				ramp dam	10,040.00	\$13,048	
D.	Equipment		** **********************************				Ψ0	
	1. Fixed						\$0	
	2. Moveable						\$0	
ESTIM	ATED CONSTRUCTION COSTS				75 130 130		\$605,013	
Items be	low may be calculated by percentage or lui	np sum. If using lump s	sum, make entry	in \$ field.			\$000,010	
			•					
DESIG	N FEE	10 %	(% of Estimate	ed Construction C	osts)		\$60,501	
PRECO	DNSTRUCTION COSTS	0.35 %	(% of Estimate	ed Construction C	osts [1% for C	M@Risk1)	\$2,118	
COMM	ISSIONING	%	(0.5% simple;	1.0% moderate;)	\$0		
SPECIA	AL INSPECTIONS/MATERIALS	0.35 %	(1.25% estima	ted)		,	\$2,118	
SUSTA	INABILITY			ld, 2% LEED Silv	er)		\$0	
	_			amming, feasibilit			Ψ0	
ADVAN	ICE PLANNING	%	(% of Estimate	animing, leasibilited Construction C	y, anaiysis		00	
	-						\$0	
CONTI	NGENCIES	5 %	(% of Estimate	ed Construction C	osts [3% New	or 5% R&R])	\$30,251	
		nstruction Costs + Cor	ntingencies + De	esign Fee)			\$700,000	
	ion = percent per month multiplied by							
	st. Date to mid-point of construction) =		9		0	% per month		
General B	ldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 n	nos = .12%; 36-47 mos = .1	16%; 48-60 mos =	.18%				
Health Ric	gs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mo	os = 26%: 18-23 mos = 20	1% 24.35 mas - 3	3%: 36.47 man = 30	10/- 10 CO	200/		
	ATION COST INCREASE (Total of E			55%, 50-47 MOS = .30	5%; 48-60 mos =	.38% 		
	· · · · · · · · · · · · · · · · · · ·	-34111415U 00515 X ES	vaiduon %)			l	\$0	
TOTAL	ESTIMATED PROJECT COSTS	(Estimated Costs + Esc	alation Cost Incre	ease)		1	\$700,000	
				ñ		L	The same of the sa	
APPRO	VED BY:	<u> </u>		TITLE University	Architect	18	DATE 6.12.15	
	(Governing Board or Agency	Head)						

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

	Request for New or Increase in Capital Improvement Project							
Inst	titution:	NC State Univ	versity			lanning Request: Capital Project*: X		
	rease in Authoriza ject Title: <u>Lake</u>		to \$	_				
Pro	ject Cost:\$500,	.000						
Sou	arce of Funds:C	entennial Campus	Trust Funds					
	this project has prohority is carried.			hority, please ide	entify code/item num	per under which that		
For	r each advance pl	anning project o	r capital constru	iction project, p	lease provide the fo	llowing:		
1.	A detailed projec	t description and	justification:					
	Center to the futus spans across the iduring the project	re Town Center (northeast area of It. This bridge will er to connect to the	existing Lake Ra Lake Raleigh. The Il be a vital conne	leigh fishing area e specific location ection for visitors	a). The approximately n and construction ty to use while staying	Hotel and Conference y 450 foot boardwalk pe will be determined at the Hotel and or Town Center, along		
2.	An estimate of ac (a completed OC		ng, design, site de	velopment, cons	truction, contingency	and other related costs		
	See attached OC-	25						
3.	An estimated sch construction only		w requirements ov	ver the life of the	project by FY quarte	ers (Answer for capital		
	FY 2016 FY 2017	<u>Q1</u> \$4,686 \$257,034	Q2 \$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	ject:				
	Design Start: Sep Construction Star			olete: March 201 Complete: Nove				

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

N/A

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

No revenues are expected to be derived from this project.

7. An explanation of the means of financing:

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

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

Form OC-25 (Rev 05/12)

	RTMENT and DIVISION: ECT IDENTIFICATION:	North Carolina Sta Lake Raleigh Bridg				DATE:	06/10/15
	ECT CITY or LOCATION:	Raleigh - Centenn		recinct			
PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)							
This no	roject designs and constructs a "board	dwalk" type bridge to	o connect the	Ctata / ious Late	Lto the future	ements as well as a master	plan.)
area)	The approximately 450 foot boarkwall	k enane acrose the	northoast area	of Loke Deleis	h The reserve	e Town Center (existin	g Lake Raleigh fishing
determ	ined during the project. This bridge v	will be a vital connec	tion for visitor	e to use while a	toving at the	lic location and constr	uction type will be
the va	et array of retail and restaurant service	os planned for Tour	Contor elem	S to use while s	taying at the	Hotel and Conference	Center to connect to
uie vas	st array of retail and restaurant service	es planned for Town	i Center, along	g with other ame	enities Cente	ennial Campus has to	offer.
(Dofiniti	ions/explanations are provided on pg 2 to	againt in agmalation of	Able form				
	ENT ESTIMATED CONSTRUCTION		this form.)	OTV	li e dinana		
A.	Land Requirement	0031		QTY	UNIT	COST PER UNIT	TOTAL
В.	Site Preparation				<u> </u>		\$0
ъ.	Demolition						
	2. Site Work						\$0
C.	Construction			1	lump sum	\$ 50,000.00	\$50,000
C.							
	Utility Services Desiration Construction (construction)	\					\$0
	2. Building Construction (new space	ce)		450	linear feet	\$ 800.00	\$360,000
	3. Building Construction (existing)	, v					\$0
	4. Plumbing (new & existing space)					\$0
	5. HVAC (new & existing space)						\$0
	6. Electrical (new & existing space		20	450	linear feet	\$ 10.00	\$4,500
	7. Fire Supression and Alarm Syst		g space)				\$0
	 Telephone, Data, Video (new & Associated Construction Costs 	existing space)		L			\$0
	 Associated Construction Costs Other: 			1	lump sum	\$ 19,340.00	\$19,340
D			- 1				\$0
D.	Equipment 1. Fixed						
	Fixed Moveable						\$0
CCTIM	ATED CONSTRUCTION COSTS						\$0
							\$433,840
Items be	low may be calculated by percentage or lun	np sum. If using lump s	sum, make entry	in \$ field.			
DECIC	NEEE	10.0/					
DESIG				ed Construction Co		MANAGEMENT AND PROCESSOR	\$43,384
	ONSTRUCTION COSTS		(% of Estimate	ed Construction Co	osts [1% for C	M@Risk])	\$4,338
	ISSIONING		(0.5% simple;	1.0% moderate; 1	.5% complex)		\$0
	AL INSPECTIONS/MATERIALS		(1.25% estima			[\$5,423
SUSTA	INABILITY	%	(3% LEED Gol	ld, 2% LEED Silve	er)	ſ	\$0
			Includes progra	amming, feasibility	v analysis		
ADVAN	ICE PLANNING	%	(% of Estimate	d Construction Co	osts)		\$0
CONTI	MCENCIES					1	
CONTI	NGENCIES	3 %	(% of Estimate	d Construction Co	osts [3% New	or 5% R&R])	\$13,015
CCTIMA	ATED COSTS (0) of Federal along						
		nstruction Costs + Cor	itingencies + De	esign Fee)			\$500,001
	ion = percent per month multiplied by	number of months					
	st. Date to mid-point of construction) =		12		0	% per month	
General B	ldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 m	nos = .12%; 36-47 mos = .1	6%; 48-60 mos = .	18%			
Health Rid	gs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mo	s = 26%: 18-23 mas = 20	04 · 24 35 man = 2	204 26 47 201	0/ . 40 CC	2004	
	ATION COST INCREASE (Total of E			3%, 30-47 mos = .36	%; 48-60 mos =	.38% 	
LOUAL	1 I I I I I I I I I I I I I I I I I I I	oumated Costs X ESC	Jaiauon %)			L	\$0
TOTAL	ESTIMATED PROJECT COSTS	(Estimated Costs + Esc	alation Cost Incre	ase)		Г	\$500,001
				,			
APPRO	VED BY Tha W		_	TITLE University	Architect	1	DATE 6.12.15
	(Governing Board or Agency	Head)					

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

Ins	stitution: No	C State University		Advance Planning Request:					
		From: \$ to \$ nter Locker Room Upgrade		New Capital Project*: X					
Pro	oject Cost: \$472,000								
	urce of Funds: Athletic	es Receints							
*If		sly had advance planning au	thority, please ide	entify code/item number under which that					
Fo	r each advance planniı	ng project or capital constr	ruction project, p	lease provide the following:					
1.	A detailed project desc	cription and justification:							
	This project renovates the team locker room in the Murphy Center with updated flooring, wall finishes, and lockers.								
2.	An estimate of acquisi (a completed OC-25 fo		evelopment, cons	truction, contingency and other related costs					
	See attached OC-25.								
3.	An estimated schedule construction only):	of cash flow requirements of	over the life of the	project by FY quarters (Answer for capital					
	FY 2016	<u>Q2</u> \$41,044	<u>Q3</u> \$135,435	<u>Q4</u> \$295,521					
4.	An estimated schedule	for the completion of the pr	oject:						
	Design Start: 9/1/15 Construction Start: 12/	Design Complete: 11 Construction Comple							
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 revenue (Answer for capital co		d from the project	t, covering the first five years of operation					
	No revenues are expec	ted to be derived from this p	oroject.						
7.	An explanation of the	means of financing:							
	Athletics receipts are f	_							

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

	ARTMENT and DIVISION:	North Carolina Sta					DATE:	06/12/15
	JECT IDENTIFICATION:	Murphy Center Lo				• 		
	JECT CITY or LOCATION:	Raleigh - West Ca						
PRO	JECT DESCRIPTION & JUSTIFICATI	ON: (Attach add'l data a	s necessary to i	ndicate need, size, fu	nction of improv	ements a	as well as a master	plan.)
This	project renovates the team locker room	n in the Murphy Cen	ter with upda	ated flooring, wall	finishes, gra	aphics,	and lockers.	
_					a (1/2)			
	itions/explanations are provided on pg 2 to		f this form.)			-		
	RENT ESTIMATED CONSTRUCTION	COST		QTY	UNIT	COS	T PER UNIT	TOTAL
Α.	Land Requirement							\$0
B.	Site Preparation							
	Demolition Site Work							\$0
C.	Site Work Construction							\$0
U .								T
	Utility Services Puilding Construction (existing)							\$0
	 Building Construction (existing Building Construction (new spa 			1	lump sum	\$	135,435.00	
	Plumbing (new & existing space) 4. Plumbing (new & existing space)	,					*1	\$0
	 HVAC (new & existing space) 	5)						\$0
	Electrical (new & existing space)	a)		-				\$0
	7. Fire Supression and Alarm Sys		(anaca)					\$0
	8. Telephone, Data, Video (existi	ng space)	g space)			-		\$0
	Associated Construction Costs				 			\$0 \$0 \$0 \$0
	10. Other:							20
D.	Equipment		-	<u> </u>				Φ0
	 Fixed (lockers) 			1	lump sum	\$	275,000.00	\$275,000
	2. Moveable							\$0
ESTI	MATED CONSTRUCTION COSTS							\$410,435
Items b	elow may be calculated by percentage or lu	mp sum. If using lump	sum, make enti	ry in \$ field.				,,,,,,,,,,,
	GN FEE _	10 %	(% of Estima	ited Construction C	osts)			\$41,044
	ONSTRUCTION COSTS	%	(% of Estima	ited Construction C	osts [1% for C	M@Risl	k])	\$0
	MISSIONING	%	(0.5% simple	ole; 1.0% moderate; 1.5% complex)				
	IAL INSPECTIONS/MATERIALS	%	(1.25% estim					\$0 \$0
SUST	AINABILITY _	%	(3% LEED G	iold, 2% LEED Silv	er)			\$0
			Includes prod	gramming, feasibilit	v analysis			
ADVA	NCE PLANNING	%		ted Construction C				\$0
CONT	INGENCIES					=0/ =		
CONT	INGENCIES _		(% of Estima	ted Construction Co	osts [3% New	or 5% F	R&R])	\$20,522
EQTIN	NATED COSTS (% of Estimated Co	and median Contact Co						
	ation = percent per month multiplied by	onstruction Costs + Cor	itingencies + L	Jesign Fee)				\$472,000
	Est. Date to mid-point of construction) =			C		0.4		
	Est. Date to mid-point of construction) = Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 r			6 months		% per i	month	
General	Diugs. 0-17 11105 - 076, 10-23 111050476, 24-33 1	110512%, 30-47 11105	10%; 48-60 MOS	= .18%				
Health B	ldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m	os = .26%; 18-23 mos = .29	9%; 24-35 mos =	.33%; 36-47 mos = .36	%: 48-60 mos =	.38%		
	LATION COST INCREASE (Total of I				,		1	90
							l	\$0
IOTA	L ESTIMATED PROJECT COSTS	(Estimated Costs + Esc	alation Cost Inc	rease)				\$472,000
4 DDD	OVED DV							The same of the sa
APPR	OVED BY:		 X	TITLE University	Architect			DATE 6:12:15
	(Governing Board or Agence	y nead)						

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

Inc	titution:	NC State Univer	sity		Advance Planning Request:			
1113	iitution.	11C State Offiver	Sity		New Capital Project*:	X		
	rease in Authorizatio oject Title: _Barbour			_	Tiew Capital Project			
Pro	oject Cost: \$450,00	00						
Sou	urce of Funds: Cente	ennial Campus Tr	rust Fund					
	this project has previ hority is carried. Coo			ority, please ide	ntify code/item number under which the	hat		
Fo	r each advance plan	ning project or o	capital construc	ction project, pl	ease provide the following:			
1.	1 3							
	This project will develop a realignment street master plan of Barbour Drive from Bilyeu Street to Blair Drive and implement construction of the northern most section of Barbour with stormwater improvements. Barbour Drive will be developed as a divided two-lane avenue with a median and an All-Campus Path. The existing Barbour Drive will become the northbound lane, while a new southbound lane will be created to the west. The project design includes stormwater, street with curb and gutter, street lighting, street trees, and domestic water line.							
2.	An estimate of acqu (a completed OC-25		design, site deve	elopment, const	ruction, contingency and other related	costs		
	See attached OC-25	i.						
3.	An estimated sched construction only):	ule of cash flow r	equirements ove	er the life of the	project by FY quarters (Answer for ca	pital		
	FY 2016 FY 2017 FY 2018	Q1 \$345 \$26,173 \$3,204	<u>Q2</u> \$11,207 \$307,058	<u>Q3</u> \$11,207 \$30,450	Q4 \$27,241 \$33,115			
4.	An estimated sched	ule for the comple	etion of the proje	ect:				
	Design Start: 10/1/1 Phase 1 Construction		Design Comple Phase 1 Constr		e: 11/30/16			
5.	An estimate of mair covering the first five				g to support these costs, including per- tion only):	sonnel		
	N/A							
6.	An estimate of reve (Answer for capital	-	-	From the project,	covering the first five years of operati	ion		
	No revenues will be	derived from this	s project.					

7. An explanation of the means of financing:

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

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE

Form OC-25 (Rev 05/12)

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

DEPARTMENT and DIVISION: North Carolina State Univers PROJECT IDENTIFICATION: Barbour Drive Realignment	ty DATE: 06/11/15	
PROJECT IDENTIFICATION: Barbour Drive Realignment PROJECT CITY or LOCATION: Raleigh - Centennial Campus	Precinct	
PROJECT DESCRIPTION & JUSTIFICATION: (Attach add') data as necessary to	Indicate need, size, function of improvements as well as a master plan.)	
This project will develop a realignment street master plan of Barbour Drive Barbour with stormwater improvements. Barbour Drive will be developed as	and implement the northern most section of	
existing Barbour Drive will become the northbound lane. A new southbound	d Jane will be created to the west. The project design includes attenued	
street with curb and gutter, street lighting, street trees, and domestic water	line	•
en est wan early en est again, grant grant grant general and democite water	inite.	
(Definitions/explanations are provided on pg 2 to assist in completion of this form.)		
CURRENT ESTIMATED CONSTRUCTION COST	QTY UNIT COST PER UNIT TOTAL	
A. Land Requirement	OTAL STATE OF THE	\$0
B. Site Preparation		ΨΟ
1. Demolition		\$0
2. Site Work	460 linear ft \$ 550.00 \$253,0	
Storm Water	1 lump sum \$ 68,664.00 \$68,6	_
C. Construction		
Utility Services (domestic water)	1100 linear ft \$ 60.00 \$66,0	000
Building Construction (new space)		\$0
Building Construction (existing)		\$0
4. Plumbing (new & existing space)		\$0
5. HVAC (new & existing space)		\$0
Electrical (new & existing space) Fire Supression and Alarm Systems (new & existing space)		\$0
 Fire Supression and Alarm Systems (new & existing space) Telephone, Data, Video (new & existing space) 		\$0 \$0
Associated Construction Costs		\$0
10. Other:		\$0
D. Equipment		\$0
1. Fixed		60
2. Moveable		\$0 \$0
ESTIMATED CONSTRUCTION COSTS	\$387,6	_
Items below may be calculated by percentage or lump sum. If using lump sum, make e	ntry in \$ field.	104
	· · · · · · · · · · · · · · · · · · ·	
	mated Construction Costs) \$38,7	66
PRECONSTRUCTION COSTS 1 % (% of Estil	nated Construction Costs [1% for CM@Risk]) \$3,8	
COMMISSIONING % (0.5% sim	ole; 1.0% moderate; 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS 1.25 % (1.25% es	timated) \$4,8	
SUSTAINABILITY % (3% LEED	Gold, 2% LEED Silver)	\$0
Includes p	rogramming, feasibility, analysis	\neg
ADVANCE PLANNING % (% of Estil		\$0
	*	\neg
0 // (% of Estil	nated Construction Costs [3% New or 5% R&R]) \$11,6	130
ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies	+ Design Eco)	,,,
Escalation = percent per month multiplied by number of months	+ Design Fee) \$446,7	03
(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 m		
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos	s = .33%; 36-47 mos = .36%; 48-60 mos = .38%	
ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %)	\$3,2	17
TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cos		
TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cos	\$450,0	UU
APPROVED BY:	Increase) \$450,0 TITLE University Architect DATE & 12-17	5
(Governing Board or Agency Head)	TITLE University Architect DATE Q 121	_

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

								nprovem				
Ins	titution:	The U	Iniversity of	North	Carolir	na at Chap	el Hi	11	Ad			g Request
Inc	rease in Author	ization from	ı: \$ <u>0</u>	to <u>\$3</u>	1,450,1	<u>73</u>				New Ca	apita	l Project*:
Pro	oject Title: Wilso	on Hall Ann	ex Renovati	ion								
Pro	oject Cost: \$31	,450,173										
Soi	urce of Funds: F	&A Funds										
	this project has hority is carried					hority, ple	ase id	lentify coo	de/it	em numbe	er une	der which tha
	r each advance					ction pro	ject, j	please pr	ovid	e the follo	win	g:
1.	Provide detaile	ed descriptio	on and justifi	ication	ı:							
lab fac	cupied by the De oratories, wind ility and address intenance items An estimate of (Answer for ca	tunnel and vs the buildin	vivarium. That g envelope,	e reno buildi	vation varion va	will providems and li	de a ne fe safe	ew state-cety deficions	of-th enci	e-art labor es and oth	ator er de	y and vivariu
		ed OC-25 fo	•	and m	crude a	completee	100	23 101111)				
2	An estimated s		eash flow re	quiren	nents ov	er the life	of the	e project l	y F	Y quarters	s (An	iswer for capi
3.	construction of	nly)										
1 Q	2015-16 2	2Q 2015-16			4Q 201			016-17		2016-17		2016-17
	2015-16 2	•		6,000	4Q 201 \$	5-16 600,000	1Q 20 \$	016-17 780,000		2016-17 870,000	3Q \$	2016-17 995,756
1Q \$	2015-16 2 - 2016-17 1Q2	2Q 2015-16 \$ 300,000 017-18 20	\$ 450 Q2017-18	0,000 3Q201	\$ 17-18	600,000 4Q2017-1	\$ 18	780,000 1Q2018-1	9	870,000 2Q2018-1	9	995,756 3Q2018-19
1Q \$ 4Q \$	2015-16 2 - 2016-17 1Q2 1,138,007 \$ 2	2Q 2015-16 \$ 300,000 017-18 20 2,276,014 \$	\$ 450 Q2017-18 \$ 3,414,021	3Q201 \$ 5,2	\$ 17-18 263,282	600,000 4Q2017-1 \$ 5,121	\$ 18	780,000	9	870,000	9	995,756 3Q2018-19
1Q \$ 4Q \$	2015-16 2 2016-17 1Q2 1,138,007 \$ 2 An estimated s	2Q 2015-16 \$ 300,000 017-18 20 2,276,014 \$ schedule for	\$ 450 Q2017-18 \$ 3,414,021 the complet	3Q201 \$ 5,2	\$ 17-18 263,282 the pro	600,000 4Q2017-1 \$ 5,121 ject:	\$ 18 ,031	780,000 1Q2018-1 \$ 4,267,	9	870,000 2Q2018-1	9	995,756
1Q \$ 4Q \$	2015-16 2 2016-17 1Q2 1,138,007 \$ 2 An estimated s	2Q 2015-16 \$ 300,000 017-18 20 2,276,014 \$ schedule for	\$ 450 Q2017-18 \$ 3,414,021	3Q201 \$ 5,2	\$ 17-18 263,282 the pro	600,000 4Q2017-1 \$ 5,121 ject:	\$ 18 ,031	780,000 1Q2018-1 \$ 4,267,	9	870,000 2Q2018-1	9	995,756 3Q2018-19
\$ 4Q \$	2015-16 2 2016-17 1Q2 1,138,007 \$ 2 An estimated s	2Q 2015-16 \$ 300,000 017-18 20 2,276,014 \$ schedule for ign: October	\$ 450 Q2017-18 5 3,414,021 the complet r 2015; comp	3Q201 \$ 5,2 tion of plete c	\$ 17-18 263,282 the propostruc	600,000 4Q2017- \$ 5,121 ject: tion Janua	\$ 18 ,031 ary 20	780,000 1Q2018-1 \$ 4,267, 19	\$ 9 526	870,000 2Q2018-1 \$ 3,698,	\$ 9 522	995,756 3Q2018-19 \$ 2,276,014

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

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 Carolina at Chape! Hill DATE: 06/26/15								
PROJECT IDENTIFICATION: Wilson Hall Annex Renovation								
PROJECT CITY or LO	CATION:	Chapel Hill, NC						
PROJECT DESCRIPT	ION & JUSTIFICATION	DN: (Attach add'i data as	s necessary to indi-	cate need, size, fur	nction of improve	ements a	s well as a master p	lan.)
This project will be a co								
and houses 11 research								
state-of-the-art laborate	ory and vivarium facil	ity and address the l	ouilding envelo	pe, building sys	tems and life	safety	deficiencies and	d other deferred
maintenance items.								
CURRENT ESTIMATE	D CONSTRUCTION	COST	•	QTY	UNIT	COS	ST PER UNIT	TOTAL
A. Land Requirem	ient							\$0
B. Site Preparatio								
 Demolition 	- Sective Demo				LUMP	\$	550,000.00	\$550,000
Site Work				45,000	SF	\$	2.00	\$90,000
C. Construction		•						
 Utility Serv 	ices			45,000	SF	\$	19.00	\$855,000
Building Co	onstruction (new spac	e)						\$0
	onstruction (existing)			60,000		\$	125.00	\$7,500,000
4. Plumbing (existing space)			60,000		\$	50.00	\$3,000,000
	sting space)			60,000		\$	100.00	\$6,000,000
	Includes TV & Radio			60,000		\$	25.00	\$1,500,000
•	ssion and Alarm Syst	ems		60,000	SF	\$	25.00	\$1,500,000
	, Data, Video							\$0
	Construction Costs	_						\$0
10. Other:	University	Reserves	_	1	LUMP	\$	1,500,000.00	\$1,500,000
D. Equipment			1					24 200 200
1. Fixed					LUMP	\$	1,000,000.00	\$1,000,000
2. Moveable	DUATION COOTS		l	7	LUMP	\$	2,000,000.00	\$2,000,000
ESTIMATED CONST							L	\$25,495,000
Items below may be calcula	ited by percentage or lun						г	60 004 550
DESIGN FEE				d Construction Co				\$2,294,550
PRECONSTRUCTION			•	Construction Co		M@Risi	(1)	\$254,950
COMMISSIONING	-			.0% moderate; 1	.5% complex)		-	\$382,425
SPECIAL INSPECTION	IS/MATERIALS		(1.25% estimate				_	\$318,687.50
SUSTAINABILITY				d, 2% LEED Silve	\$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 Con	struction Costs + Con	tingencies + Des	sign Fee)			<u>. </u>	\$30,785,213
Escalation = percent pe	r month multiplied by r	number of months						•
(From Est. Date to mid-p	oint of construction) =		18_	months	0.12	% per r	nonth	
General Bidgs: 0-17 mos = 0%;								
Health Bldgs: 0-5 mos = .18%; (1%; 36-47 mos = .36	%; 48-60 mos = .	38%	_	6004.004
ESCALATION COST IN	CREASE (Total of Es	stimated Costs x Esc	alation %)				<u> </u>	\$664,961
							Γ	A4 184 184
TOTAL ESTIMATED F	ROJECT COSTS	(Estimated Costs + Esc	calation Cost Incre	ase)				\$31,450,173
//	- 1/2						_	ATE 6/26/15
APPROVED BY:	$\propto n / \sim$		1	ITLE: Director Fac	ilities Planning		<u>D</u>	ATE 4 CG/13
/ (G	overning Board or Agency	Head)						1 1

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

Inst	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 bject Title: Eshelman School of Pharmacy Foundation of Patient Care Teaching Space Fitup
Pro	oject Cost: <u>\$415,985.00</u>
Sou	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
For	r each advance planning project or capital construction project, please provide the following:
1.	A detailed project description and justification:
Sch 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, mbing 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)

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

Form OC-25 (Rev 09/14)

DEPARTMENT and DIVISION: Educationa	al Institu	tions (Universi	ities)			DATE:	07/10/15
PROJECT IDENTIFICATION: Beard Hall - Eshelman School of Pharmacy Foundation of Patient Care Teaching							Space Fitup
PROJECT CITY or LOCATION: Chapel Hill			•				<u> </u>
PROJECT DESCRIPTION & JUSTIFICATION: (Atlach add	d'i data as	necessary to indi	cate need, size, fu	nction of imore	ements as well as a	master	plan.)
The intent of the project is to renovate approximately 2,9							
spaces suited to the new proposed teaching curriculum f							
efficiency and further enhance student learning. Scope o				-			
protection, plumbing systems and finish upgrades.				,	ogo ao 110 a	0.000	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
(Definitions/explanations are provided on pg 2 to assist in compl	letion of	this form.)					
CURRENT ESTIMATED CONSTRUCTION COST		,	QTY	UNIT	COST PER L	JNIT:	TOTAL
A. Land Requirement							\$0
B. Site Preparation		'			,		
1. Demolition]					\$0
2. Site Work							\$0
C. Construction							
Utility Services							\$0
2. Building Construction (new space)							\$0
3. Building Construction (existing)			2905	SF	\$	70.00	\$203,350
Plumbing (existing)			2905	SF	\$	9.00	
5. HVAC (existing)			2905			12.00	
Electrical (Includes TV & Radio Studio)			2905		 	19.00	\$55,195
Fire Supression and Alarm Systems			2905		\$	3.50	\$10,168
8. Telephone, Data, Video			2905		\$	2.15	\$6,246
Associated Construction Costs		ļ	2905		\$	14.50	\$42,123
10. Other:							\$0
D. Equipment		ſ		[60
1. Fixed		}					\$0 \$0
2. Moveable		Į.				-	
ESTIMATED CONSTRUCTION COSTS			. A M. 1.3			Ŀ	\$378,086
items below may be calculated by percentage or lump sum. If using	g iump si	um, make entry i	u ž tiela.				
DESIGN FEE	5 %	1% of Fetimator	I Construction Co	nete)		ľ	\$18,904
PRECONSTRUCTION COSTS		•	Construction Co	•	M@DicN)	}	\$0
COMMISSIONING			.0% moderate; 1			ł	\$0
SPECIAL INSPECTIONS/MATERIALS		(0.5% simple, 1 (1.25% estimate		1.0 % Complex		ŀ	\$0
SUSTAINABILITY			o) I, 2% LEED Silve	or\			\$0
303 TAINADIETT I		•		•		}	
			mming, feasibility				20
ADVANCE PLANNING	0 %	(% of Estimated	Construction Co	osts)			\$0
CONTINGENCIES	5 %	(% of Estimated	Construction Co	osts (3% New	or 5% R&R])	ļ	\$18,995
ESTIMATED COSTS (% of Estimated Construction Cost	ls + Cont	inaencies + Des	ian Fee)				\$415,985
Escalation = percent per month multiplied by number of mo			·3····/				
(From Est. Date to mid-point of construction) =	•	2	months	0	% per month		•
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47	mos = .16		-	-	L		·
fealth 8ldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26%; 18-23 m			%; 36-47 mos = .369	%; 48-60 mos = .	38%	г	
ESCALATION COST INCREASE (Total of Estimated Cost	s x Esc	alation %)				L	\$0

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

Board or Agency Head)

APPROVED BY:

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

Ins	titution: The University of North Carolina at Chapel Hill	Advance Planning Request:
Inc	rease in Authorization from: $\$\underline{0}$ to $\$\underline{473,520}$	New Capital Project*: X
Pro	ject Title: Renovations to Suite 210 Beard Hall	
Pro	ject Cost: <u>\$473,520</u>	
Sou	arce of Funds: Facilities and Administrative Costs (F&A) and private sources	
	this project has previously had advance planning authority, please identify cohority is carried. Code Item	de/item number under which that
For	r each advance planning project or capital construction project, please pr	ovide 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 new dry research and office spaces suited to the new proposed users for the loces are expected to be flexible and able to handle a number of new office and uired by the faculty. Additional Office space is needed to accommodate growing will include removal and replacement of all existing walls, flooring, ceiling tection, plumbing systems and finish upgrades.	Eshelman School of Pharmacy. Office dry research programs and activities th in staffing at the school. Scope of
2.	An estimate of acquisition, planning, design, site development, construction, (a completed OC-25 form)	contingency and other related costs
	See attached OC-25	
3.	An estimated schedule of cash flow requirements over the life of the project construction only):	by FY quarters (Answer for capital
	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 sur covering the first five years of operation (Answer for capital construction on	
	NA	•
6.	An estimate of revenues, if any, likely to be derived from the project, covering (Answer for capital construction only):	ng the first five years of operation

NA

7. An explanation of the means of financing:

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

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE

Form OC-25 (Rev 09/14)

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

DEPARTMENT and DIVISION	I: The University o	f North Carolina	at Chapel Hill		_	DATE:	06/25/15
PROJECT IDENTIFICATION:	Hall						
PROJECT CITY or LOCATION: Chapel Hill, North Carolina							
PROJECT DESCRIPTION & J	IUSTIFICATION:						
This project will renovate appro	oximately 1,600 square feet of e	xisting laborator	y space into a n	new dry rese	arch and of	fice space for the	he Eshelman School
of Pharmacy.							
CURRENT ESTIMATED CON-	STRUCTION COST		QTY	UNIT	COST F	PER UNIT	TOTAL
 A. Land Requirement 							\$0
B. Site Preparation							
 Demolition 			1600)	\$	6.00	\$9,600
2. Site Work							\$0
C. Construction							
 Utility Services 							\$0
2. Building Construct	ion (new space)						\$0
3. Building Construct			1600	SF	\$	80.00	\$128,000
4. Plumbing (existing			1600	SF	\$	4.00	\$6,400
5. HVAC (existing)	•		1600	SF	\$	35.00	\$56,000
	s TV & Radio Studio)		1600	SF	\$	25.00	\$40,000
7. Fire Supression an			1600	SF	\$	6.00	\$9,600
8. Telephone, Data, \	/ideo		1600	SF	\$	10.00	\$16,000
Associated Construction	uction Costs						\$30,000
10. Other:							\$0
D. Equipment							
1. Fixed							
Moveable							\$99,000
ESTIMATED CONSTRUCTIO	ON COSTS		•				\$394,600
Items below may be calculated by po	ercentage or lump sum. If using lum	p sum, make entry	in \$ field.				
DESIGN FEE	8 %	6 (% of Estimate	d Construction Co	osts)			\$31,568
PRECONSTRUCTION COSTS	0 %	(% of Estimate	d Construction Co	osts [1% for (CM@Risk])		\$0
COMMISSIONING	9/	(0.5% simple;	1.0% moderate; 1	1.5% complex	;)		\$0
SPECIAL INSPECTIONS/MATI							\$0
SUSTAINABILITY	9/	•	d, 2% LEED Silve	er)			\$0
		· ·				ļ	
ADVANCE PLANNING	15 %		amming, feasibilit d Construction Co				\$5,919
ABVANCE PLANNING	1.0 /0	70 OI ESUMATE	a Construction G	Joioj			
CONTINGENCIES	10.5 %	(% of Estimate	d Construction Co	osts [3% New	/ or 5% R&R!	1)	\$41,433
						ļ	
ESTIMATED COSTS (% of	Estimated Construction Costs + Co	ontingencies + De	sign Fee)				\$473,520
Escalation = percent per month	multiplied by number of months						
(From Est. Date to mid-point of co	onstruction) =	2	months	0	% per mon	th	
General Bldgs: 0-17 mos = 0%; 18-23 mos	s = .04%; 24-35 mos = .12%; 36-47 mos =	.16%; 48-60 mos =	.18%				
///// DM - 0.5 400/ 0.44	00.07 40.47 0007 40.00	000/- 04 05 0	.00.00.42 00	10/ . 40 CO	000/		
Health Bidgs: 0-5 mos = .18%; 6-11 mos =			3%; 36-47 mos = .36	5%; 48-bu mos =	38%		60
ESCALATION COST INCREAS	SE (Total of Estimated Costs x Es	scalation %)					\$0
TOTAL ESTIMATED PROJEC	CT COSTS/ (Estimated Costs + E	scalation Cost Incre	ease)				\$473,520
/_	11		•			L	
APPROVED BY:	nlu		TITLE: Director Fac	citities Planning	L	DAT	E 6/26/15
	Board or Agency Head)						1 1
// / /							

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

Ins	itution: 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	
Soi	rce of Funds: Facilities and Administrative Costs (F&A) and private sources	
	his 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

NA

7. An explanation of the means of financing:

operation (Answer for capital construction only):

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

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

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE

Form OC-25 (Rev 09/14)

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

DEPARTMENT and DIVISION:	North Carolina at Chapel Hill		DATE:	06/18/15			
PROJECT IDENTIFICATION:	atory Renovation - Genetic Me	dicine Build	ing - 2nd Floor				
PROJECT CITY or LOCATION:	Chapel Hill, North						
PROJECT DESCRIPTION & JUSTIFICATION							
This project will renovate approximately 2,4							
will be designed to allow work with infectious	s agents and accom	modates molecular biology wo	ork and staff	to conduct dru	g discove	y work.	
CURRENT ESTIMATED CONSTRUCTION	COST	QTY	UNIT	COST PER	R UNIT:	TOTAL	
A. Land Requirement			<u> </u>		l	\$0	
B. Site Preparation		0.400	.1	1.6	4c 00[626 000	
1. Demolition		2400	<u> </u>	\$	15.00	\$36,000	
2. Site Work						\$0	
C. Construction]	·		60	
Utility Services	1					\$0 \$0	
2. Building Construction (new space	ce)	0400	05	 	40.00	\$96,000	
3. Building Construction (existing)		2400 2400		\$	40.00 25.00	\$60,000	
4. Plumbing (existing)		2400	4	\$	60.00	\$144,000	
5. HVAC (existing)	Otridia)	2400		\$	35.00	\$84,000	
 Electrical (Includes TV & Radio Fire Supression and Alarm Syst 		2400		\$	10.00	\$24,000	
8. Telephone, Data, Video	ems	2400		\$	5.00	\$12,000	
Associated Construction Costs		2400	01	 	0.00	\$90,000	
10. Other:						\$0	
D. Equipment			l				
1. Fixed						\$0	
2. Moveable						\$120,000	
ESTIMATED CONSTRUCTION COSTS						\$666,000	
tems below may be calculated by percentage or lur	mp sum. If using lump	sum, make entry in \$ field.			<u>.</u>		
_	<u> </u>				-		
DESIGN FEE		(% of Estimated Construction Co			L	\$66,600	
PRECONSTRUCTION COSTS		(% of Estimated Construction Co	•			\$0	
COMMISSIONING		(0.5% simple; 1.0% moderate; 1	.5% complex	()		\$0 \$0	
SPECIAL INSPECTIONS/MATERIALS		(1.25% estimated)					
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silve	er)			\$0	
_		Includes programming, feasibility	v. analysis				
ADVANCE PLANNING	%	(% of Estimated Construction Co				\$0	
_		•	•	EN DODI)		\$66,600	
CONTINGENCIES	10 %	(% of Estimated Construction Co	osts [3% Nev	v or 5% R&RJ)	-	\$00,000	
COTINATED COOTS (%/ (F // · · · · ·		e to but the				\$799,200	
•		ntingencies + Design Fee)			L	\$133,200	
Escalation = percent per month multiplied by	number of months	0	,	V 0/			
From Est. Date to mid-point of construction) =	1001 00 17	0 months		% per month			
Seneral Bidgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 n	nos = .12%; 36-47 mos = .	16%; 48-60 mos = .18%					
fealth 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	5%; 48-60 mos	= .38%			
SCALATION COST INCREASE (Total of E	stimated Costs x Esc	calation %)				\$0	
•		,			-	\$700 200	
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Increase)				\$799,200	
APPROVED BY: //www.//		TITLE: Director Fac	cilities Planning	1	D/	ATE 6/26/15	
(Governing Board or Agency	Head)	THE PROOF OF	oo i langing	2			

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

Institution:	University of North Carolina at Charlotte	Advance Planning Request:
		New Capital Project*: X
Increase in Author	rization from: \$900,000 to \$10,500,000	
Project Title: Res	idence Dining Hall Renovation	
Project Cost: \$10	,500,000	
Source of Funds:	Housing 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 QTR 1 \$705,555 FY17 QTR 2 \$4,480,776 FY17 QTR 3 \$3,621,999

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

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

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

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

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

N/A

6. An explanation of the means of financing:

Housing and Dining fund balances (cash on hand).

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

Mailing Address: 1307 Mail Service Center Raleigh, N.C.27699-1307 Telephone (919) 807-4100

Fax (919) 807-4110

State Courier #56-02-01

An Equal Opportunity/Affirmative Action Employer

Location:

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

WorkflowStep for Proposed Capital Improvement Project OC-25: 201360500543

Page - 2

ESTIMATED CONSTRUCTION COST:

\$8,189,768

WorkflowSten for Proposed	l Capital Improvement Proiect	OC-25: 201360500543

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

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

Page - 3

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

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

Ins	titution: NC State U	niversity	Advance Planning Request: X
	crease in Authorization from: \$		New Capital Project*:
	oject Cost: AP Request \$ 1,000,		ct Cost \$15,000,000)
	urce of Funds: Athletics Trust F		
*If		dvance planning au	thority, please identify code/item number under which that
	-		uction project, please provide the following:
1.	A detailed project description as	nd justification:	
	Central Campus Precinct. The fa accessible rooms. This project v	acility will provide vill move students f	e student athletes and the general student population on the approximately 62 beds, including resident advisors and from off campus housing facilities to a location in close roject also includes community space, study rooms, laundry,
2.	An estimate of acquisition, plan (a completed OC-25 form)	ning, design, site de	evelopment, construction, contingency and other related costs
	See attached OC-25.		
3.	An estimated schedule of cash f construction only):	low requirements o	ver the life of the project by FY quarters (Answer for capital
4.	An estimated schedule for the co	ompletion of the pr	oject:
	Design Start: February 2016 Construction Start: May 2017		plete: February 2017 Complete: January 2019
5.	An estimate of maintenance and covering the first five years of o		d source of funding to support these costs, including personnel, or capital construction only):
6.	An estimate of revenues, if any, (Answer for capital construction		I from the project, covering the first five years of operation
7.	An explanation of the means of	financing:	

Athletics Trust Funds will fund the AP Request.

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE DPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJEC

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
PROJ	ECT IDENTIFICATION:		ase Commons Residence Hall					
PROJECT CITY or LOCATION: Raleigh - Central Campus Precinc			<u>ct</u>	2000				
PROJ	ECT DESCRIPTION & JUST	"IFICATION: (Attach add'l data as ne	ecessary to indica	ate need, size, funct	tion of improvem	ents as	well as a master plan	n.)
		I facility to house student athle						
will pro	ovide approximately 62 beds	, including resident advisors an	d accessible	rooms. This pro	ject will mov	e stud	ents from off car	npus housing facilities
to a lo	cation in close proximity to a	thletic and academic facilities.	The project al	so includes com	nmunity spac	e, stu	dy rooms, laundr	y, and a 24-hour desk.
		on pg 2 to assist in completion of	this form.)					
CURF	RENT ESTIMATED CONSTR	LUCTION COST		QTY	UNIT	COS	ST:PER UNIT	TOTAL
Α.	Land Requirement			1				\$0
B.	Site Preparation							
	 Demolition 				lump sum	\$	115,500.00	\$115,500
	Site Work			1	lump sum	\$	650,300.00	\$650,300
C.	Construction		- 1					
	 Utility Services 				lump sum	\$	818,179.00	\$818,179
	2. Building Construction			28000	sq ft	\$	196.75	\$5,509,000
	Building Construction							\$0
	Plumbing (new space)			28000	sq ft	\$	20.00	\$560,000
	HVAC (new space)			28000		\$	40.00	\$1,120,000
	Electrical (new space			28000		\$	32.00	\$896,000
		larm Systems (new space)		28000		\$	7.00	· \$196,000
	8. Telephone, Data, Vide			28000		\$	3.50	\$98,000
	Associated Constructi				lump sum	\$	202,000.00	\$202,000
		Displaced & New Parking			spaces	\$	17,500.00	\$1,137,500
		Staged Parking			spaces	\$	1,200.00	\$30,000
		Security		1	lump sum	\$	46,000.00	\$46,000
D.	Equipment						005 000 00	4005.000
	 Fixed 				lump sum	\$	325,000.00	\$325,000
	2. Moveable			1	lump sum	\$	497,000.00	\$497,000
	MATED CONSTRUCTION						Į	\$12,200,479
Items I	pelow may be calculated by perce	ntage or lump sum. If using lump s	um, make entry	in \$ field.				
		40.0/					г	64 000 040
	GN FEE			ed Construction C				\$1,220,048
	CONSTRUCTION COSTS			ed Construction C			isk])	\$122,005
	MISSIONING			1.0% moderate;	\$122,005			
SPEC	CIAL INSPECTIONS/MATER		(1.25% estima					\$152,506
SUST	TAINABILITY	%	(3% LEED Go	ld, 2% LEED Silv	ver)			\$0
			Includes progr	ramming, feasibili	ity, analysis			
ADVA	ANCE PLANNING	%		ed Construction C				\$0
							/ D0D1)	\$366,014
CON	TINGENCIES		(% of Estimate	ed Construction (Josts [3% Nev	or 57	o K&K])	\$300,014
	====================================							¢14 102 0E7
		stimated Construction Costs + Cor	itingencies + D	esign Fee)				\$14,183,057
		ultiplied by number of months			0.40	. 0/		
•	Est. Date to mid-point of cons		36		0.16	_ % p∈	er month	
Genera	al Bldgs: 0-17 mos = 0%; 18-23 mos =	= .04%; 24-35 mos = .12%; 36-47 mos =	: .16%; 48-60 mos	= .18%				
Hoalth	Pldge: 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 mc	os = .38°	%	
		(Total of Estimated Costs x Esc		10070, 00 17 11100	10070, 10 00			\$816,944
LOU	TEATION COST INCREASE	(Foral of Estimated Costs & Est	Jaiation /0j				- 1	
TOT	AL ESTIMATED PROJEC	COSTS (Estimated Costs + Es	scalation Cost Inc	rease)			1	\$15,000,001
								1 10 10
APP	ROVED BY: Ina	7000		TITLE Universit	y Architect			DATE CID-15
	(Governing Bo	ard or Agency Head)						

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

Institu	NC State Unive	ersity	Advance Planning Request: X New Capital Project*:				
	se in Authorization from: \$ et Title: Centennial Campus Exter		·				
Projec	et Cost: AP Request \$ 150,000 (7	Γotal project cost \$1,7	90,000)				
Sourc	e of Funds: Centennial Campus T	Trust Funds					
	is project has previously had advantity is carried. Code Item		please identify code/item number under which that				
For e	ach advance planning project or	capital construction	project, please provide the following:				
1. A	detailed project description and ju	ustification:					
ar B tv D pr	nd gutter from the current end point lair Drive and Initiative Way. The wo-lane road with curb and gutter curive extension is included to prese project will require coordination with	nt of Initiative Way at project will also inclu of Blair Drive east to corve a perennial stream th the US Army Corps	new, two-lane asphalt pavement with a concrete curb the Oval Drive Storage Lots south to the intersection of de the extension of approximately 328 linear feet of onnect with Centennial Parkway. A bridge in the Blair on the northeast side of Centennial Campus. The of Engineers, the NC Department of Environment and ivision for sedimentation and erosion control work.				
	An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (a completed OC-25 form)						
S	ee attached OC-25.						
	n estimated schedule of cash flow onstruction only):	requirements over the	life of the project by FY quarters (Answer for capital				
N	//A						
	An estimated schedule for the completion of the project:						
	esign Start: January 2016 onstruction Start: August 2016	Design Complete: I Construction Comp					
	n estimate of maintenance and operative or operations are the first five years of operations.		e of funding to support these costs, including personnel, tal construction only):				
N	//A						
	n estimate of revenues, if any, like Answer for capital construction only		the project, covering the first five years of operation				
N	N/A						
7. A	n explanation of the means of fina	incing:					

This project will be funded by Centennial Campus Trust Funds.

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

Form OC-25 (Rev 05/12)

	RTMENT and DIVISION:	North Carolina Stat					DATE:	05/15/15
PROJECT IDENTIFICATION: Centennial Campus Extension of Initiative Way								
	PROJECT CITY or LOCATION: Raleigh - Centennial Campus Precinct							
PROJ	ECT DESCRIPTION & JUSTIFICATION)N: (Attach add'l data as	necessary to indic	cate need, size, fun	ction of improve	ements as	well as a master p	plan.)
This p	roject includes pavement, curb and gu	tter, site lighting and	landscaping for	or Iniative Way	and Blair Dri	ve.The	project will insta	all approximately 1500
Linear	Feet of new, two lane asphalt pavements	ent with concrete curt	b and gutter fro	om the current e	end point of I	niative \	Nay at the Ova	al Drive Storage Lots
south 1	to the intersection of Blair Drive and In	itiative Way. The pro	ject will also in	clude the exter	sion of appr	oximate	ly 328 Linear F	eet of two lane road
with cu	urb and gutter of Blair Drive east to co	nnect with Centennia	Parkway. The	e project will inc	lude a bridge	e in the	Blair Drive exte	ension to preserve a
perenr	nial stream on the northeast side of Ce	ntenniai Campus. Tr	ne project will r	equire coordina	tion with the	US Arn	ny Corps of En	gineers, NC
Depar	ment of Environment and Natural Res	ources vvater Quality	y, and also the	Land Quality L	ivision for th	e Sedin	entation and E	rosion Control work.
	ions/explanations are provided on pg 2 to		this form.)					
	ENT ESTIMATED CONSTRUCTION	COST		QTY	UNIT	COS	T PER UNIT	TOTAL
Α.	Land Requirement							\$0
B.	Site Preparation		i					
	1. Demolition			4500				\$0
	2a. Site Work (Iniative Way)				linear feet	\$	650.00	
C.	2b. Site Work (Blair Drive) Construction			328	linear feet	\$	725.00	\$237,800
0.	Utility Services							
	Building Construction (new space)	201						\$0
	Building Construction (new spaces) Building Construction (existing)	.6)						\$0
	Plumbing (new & existing space	.)						\$0 \$0
	5. HVAC (new & existing space)	,						\$0
	6. Electrical (new)			1	lump sum	\$	120,000.00	
	7. Fire Supression and Alarm Syst	ems (new & existing	space)			•		\$0
	8. Telephone, Data, Video (new &	existing space)	N N N					\$0
	9. Associated Construction Costs			1	lump sum	\$	59,243.00	
	10. Other: Landscapi	ng		1	lump sum	\$	150,000.00	\$150,000
D.	Equipment							
	1. Fixed							\$0
COTIL	2. Moveable							\$0
	IATED CONSTRUCTION COSTS							\$1,542,043
items b	elow may be calculated by percentage or lu	mp sum. If using lump	sum, make entry	in \$ field.				
DESIG	N FEE	10 %	(% of Estimate	d Construction C	nete)		1	\$154,204
	ONSTRUCTION COSTS	1 %	(% of Estimate	d Construction C	osis) nete [1% for (Madie	₂₁)	\$15,420
	IISSIONING	%	(0.5% simple:	1.0% moderate;	5% complex) NGC 17131	47	\$15,420
	AL INSPECTIONS/MATERIALS	1.25 %	(1.25% estimat	red)	1.0 70 COMPICA	,	•	\$19,276
	AINABILITY			d, 2% LEED Silv	er)			\$0
	_							ΨΟ
ΔΩ\/Δ١	NCE PLANNING	%		amming, feasibilit d Construction C				60
	-		-					\$0
CONT	NGENCIES _	3 %	(% of Estimate	d Construction C	osts [3% New	or 5% F	₹&R])	\$46,261
		nstruction Costs + Con	ntingencies + De	esign Fee)				\$1,777,205
	tion = percent per month multiplied by		1975					
	Est. Date to mid-point of construction) =	and the second s	18	months	0.04	% per r	nonth	
General E	Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 n	nos = .12%; 36-47 mos = .1	6%; 48-60 mos = .1	18%				
Health Bl	dgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mo	os = .26%; 18-23 mos = .29	%; 24-35 mos = .33	3%: 36-47 mos = .36	%: 48-60 mas =	38%		
	ATION COST INCREASE (Total of E				74, 10 00 11100	10070		\$12,796
	V						ļ	
TOTA	L ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Incre	ease)				\$1,790,000
4 DDD 2	WED DV						le l	B . E . C
APPR(OVED BY:	v Hoad)	_	TITLE University	Architect			DATE 3 .15 . 15
	(Governing Beard or Agency	/ neau)						

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

Institution:		The University	of North Carolina at Chapel Hill	Advance Planning Request x
Inc	erease in Authorization	on from: \$_0	to <u>\$300,000</u>	New Capital Project*:
Pro	oject Title: Davie Ha	all Replacement		
Pro	oject Cost: Advance	e Planning of \$30	00,000 for Estimated \$77,112,082 T	Cotal Project Cost
So	urce of Funds: F&A	Funds		
	this project has prevenently is carried. Co			ify code/item number under which that
Fo	r each advance plai	nning project or	r capital construction project, plea	ase provide the following:
1.	Annex within its ex	xisting location. ium for a growin	The new facility creates instruction g Psychology program. The project	the existing Davie Hall and Davie Hall a, research, academic/research, support t proposes a net assignable program and
2.			g, design, site development, constru lly and include a completed OC-25	action, contingency and other related costs form)
	See attached O	OC-25 form .		
3.	An estimated sched construction only):		requirements over the life of the pr	roject by FY quarters (Answer for capital
Ad	lvance Planning start	t: October 2015; (Completion date: February 2016	
4.	An estimated sched	dule for the comp	pletion of the project: Design start:	January 2015; Design complete: June 2015
5.			erating costs and source of funding ation (Answer for capital construction)	to support these costs, including personnel, on only): n/a
6.	An estimate of reve (Answer for capital			covering the first five years of operation
7.	An explanation of	the means of fina	ancing: F&A Funds	

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:	Psychology Departm	ent				DATE:	07/17/15
PROJECT IDENTIFICATION:	Davie Hall Replacem				_	-	<u></u>
PROJECT CITY or LOCATION:	UNC Chapel Hill, Cha						
PROJECT DESCRIPTION & JUSTIFICAT			rate need size fur	nction of improv	ements as v	ell as a master ni:	an)
The project will replace the existing Davie							
academic/research, support spaces, and a			•		•		
square footage to 110,500 GSF.	www.nammora.growing.r	ayonology p	nogram. mo p	ojout propot)00 a 110t t	tooighable proj	gram and grood
(Definitions/explanations are provided on pg 2 to	to assist in completion of th	is form \					
CURRENT ESTIMATED CONSTRUCTION		10 10/1111/	QTY	UNIT	COST	PER UNIT	TOTAL
A. Land Requirement	10001					1.E(X, Q(X(X, X, X)))	\$0
B. Site Preparation					, ,		
Demolition - 1907 Building - 10	000 GSE		1	LUMP	\$	60,000	\$60,000
1a. Demolition - 1967 Selective D				LUMP	\$	480,000	\$480,000
2. Site Work - 200,000	.0		200,000		\$	6	\$1,200,000
C. Construction				13	T *	<u> </u>	, , , , , , , , , , , , , , , , , , ,
Utility Services			90,000	lse.	\$	8	\$720,000
Building Construction (new spa	202)		110,500		\$	250	\$27,625,000
Building Construction (new special struction) Building Construction (existing)	•		110,000	101	 		\$0
Plumbing (new space)	1		110,500	SF	\$	18	\$1,989,000
5. HVAC (new space)			110,500		\$	45	\$4,972,500
6. Electrical (Includes TV & Radio	o Studio)		110,500		\$	36	\$3,978,000
•	•		110,500		\$	8	\$884,000
 Fire Suppression and Alarm Sy Telephone, Data, Video 	ystems		110,500		\$	- 7	\$773,500
9. Associated Construction Costs			110,000	J)	<u>Ψ</u>		\$0
			1	LUMP	\$	5,976,000	\$5,976,000
<u> </u>		0 months		LUMP	\$	6,750,000	\$6,750,000
	oace/Lease 90,000 oc	o monuis	<u> </u>	LOWE	ļΨ	0,750,000]	φυ, ε συ, συσ
D. Equipment1. Fixed: Animal & laboratory faci	lition	j	4	LUMP	\$	5,000,000	\$5,000,000
Moveable: Furniture, Fixture &				LUMP	\$	2,400,000	\$2,400,000
ESTIMATED CONSTRUCTION COSTS	Ednioment	l		Irom.	۳	2,400,000	\$62,808,000
			A			<u>L</u>	Ψ02,000,000
Items below may be calculated by percentage or le				4 - 3		г	\$5,652,720
DESIGN FEE			d Construction C	•		<u> </u>	\$628,080
PRECONSTRUCTION COSTS	, , , , , , , , , , , , , , , , , , , ,		d Construction C	-			
COMMISSIONING			.0% moderate; 1	1.5% complex)		\$942,120
SPECIAL INSPECTIONS/MATERIALS		.25% estimat				L	\$785,100.00
SUSTAINABILITY	0 % (3	% LEED Gold	d, 2% LEED Silve	er)			\$0.
			ımming, feasibilit				0000.000
ADVANCE PLANNING	•		Construction C	•		_ _	\$628,080
CONTINGENCIES	<u>3</u> % (%	6 of Estimated	I Construction Co	osts [3% New	or 5% R&	₹]}	\$1,884,240
ESTIMATED COSTS (% of Estimated Co	onstruction Costs + Conting	gencies + Des	sian Fee)				\$73,328,340
Escalation = percent per month multiplied by	-	,	,			<u>L</u>	
(From Est. Date to mid-point of construction)		43	months	0.12	% per mo	nth	
General Bldgs.: 0-17 mos. = 0%; 18-23 mos. = .04%; 24-3					70 PO1 1110		
CONTO A BIOGOTTO 11 111001. VVI, 10 20 111001. 10 170, 2 1 1	50 mgs, 11250, 60 17 moor 11	1010, 10 00 111001	11070				
Health Bldgs.: 0-5 mos. = .18%; 6-11 mos. = .22 %; 12-17	7 mos. = .26%; 18-23 mos. = .29	%; 24-35 mos. =	= .33%; 36-47 mos.	= .36%; 48-60 m	os. = .38%		
ESCALATION COST INCREASE (Total of	Estimated Costs x Escala	ation %)				L	\$3,783,742
TOTAL COMMISSED DDG (COT GOOTS			_				\$77 142 NO3
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Escala	ition Cost Incre	ase)				\$77,112,082
ADDROVED BY	11-		TITLE (1)~~	1		D.	1/17/15
APPROVED BY:	/ · · · · · · · · · · · · · · · · · · ·	•	TITLE Direc	Trai de	2) D	ATE 1/11/13
(Governing Board or Agend	су пеао)		Facil	itis Pl	cenny	•	
			Vesc	Sr.			

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

Institution:	NC State University	Advance Planning Request: New Capital Project*:
Increase in Authorizatio	on from: \$_1,875,000_\ to \$_2,236,902.	riew Capital Project .
Project Title: Cox Hall	Scale-Up Classrooms	
Project Cost: <u>\$361,902</u>	2 Increase (Total project \$2,236,902 including previously	y authorized \$1,875,000)
Source of Funds: Trans	sfers of residual funds from College of Textiles and Data	a Center II projects
1 5 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>	<u>Q3</u>	Q4
FY 2015		\$ 3,675	\$34,243	\$36,818
FY 2016	\$33,685	\$888,567	\$1,056,746	\$93,588
FY 2017	\$89,580			

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

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

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

N/A

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

No revenues are expected to be derived from this project.

7. An explanation of the means of financing:

Transfer remainder of Carry Forward funding from:

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

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

Form OC-25 (Rev 05/12)

	RTMENT and DIVISION:	North Carolina Sta				_	DATE:	06/10/15
PROJECT IDENTIFICATION: Cox Hall Renovations								
	ECT CITY or LOCATION:	Raleigh - North Ca						
PROJ	ECT DESCRIPTION & JUSTIFICA	ATION: (Attach add'l data a	s necessary to inc	dicate need, size, fur	nction of improv	ements as	well as a master	plan.)
This p	roject will renovate office space in	Cox Hall into high-tech	nology classr	ooms. The proje	ct will create	two SCA	ALE-UP techn	nology classrooms on
the fir	<u>st floor and provide schematic des</u>	igns to renovate the fhi	rd floor into of	fice and classro	om space. T	he first flo	or renovation	will address
mech	anical systems and toilet facilities.	Project revised to expand	and AV and te	chnology scope	of work for	each SCA	I F-UP techn	nlogy classroom
						001	ILL OF COUNT	ology classicolli.
	tions/explanations are provided on pg		f this form.)					
CURF	RENT ESTIMATED CONSTRUCTI	ON COST		QTY	UNIT	COST	PER UNIT	TOTAL
A.	Land Requirement							\$0
B.	Site Preparation			F 4000 000 000				
	 Demolition 							\$0
	Site Work							\$0
C.	Construction							
	 Utility Services 							\$0
	2. Building Construction (new s	space)						\$0
	3. Building Construction (existi	ng space)		9500	SF	\$	50.80	\$482,600
	4. Plumbing (existing space)	9.03		9500		\$	10.00	\$95,000
	HVAC (existing space)			9500		\$	26.00	\$247,000
	6. Electrical (existing space)			9500		\$	25.00	\$237,500
	7. Fire Supression and Alarm S	Systems (new & existing	g space)	9500		\$	5.00	\$47,500
	8. Telephone, Data, Video (ex	isting space)	,	9500		\$	10.00	\$95,000
	9. Associated Construction Co.	sts			lump sum	\$	26,090.00	\$26,090
	10. Other: securit	у			lump sum	\$	40,000.00	\$40,000
	11. Other: abaten	nent	-	9500		\$	5.73	\$54,435
D.	Equipment				-	1 7	0.70	Ψ04,400
	1. Fixed			1	lump sum	\$	413,390.00	\$413,390
	2. Moveable			9500		S	16.00	\$152,000
ESTIN	NATED CONSTRUCTION COST	S					10.00	\$1,890,515
Items b	elow may be calculated by percentage o	r lump sum. If using lump	sum, make entry	in \$ field.				\$1,050,515
			Start of the start					
DESIG	SN FEE	10 %	(% of Estimate	ed Construction Co	osts)		Г	\$189,052
PREC	ONSTRUCTION COSTS	0.25 %	(% of Estimate	ed Construction Co	osts [1% for C	M@Risk1	, t	\$4,726
COMN	IISSIONING			1.0% moderate; 1			`	\$18,905
SPECI	AL INSPECTIONS/MATERIALS	0.75 %	(1.25% estima	ated)		,	H	\$14,179
SUSTA	AINABILITY			old, 2% LEED Silve	er)		F	\$0
							-	φυ
ADV (A)	NCE PLANNING	0/	Includes progr	amming, feasibility	y, analysis			muntanes - merrina
ADVAI	NCE PLAININING		(% of Estimate	ed Construction Co	osts)			\$25,000
CONT	NGENCIES	5 %	(% of Estimate	ed Construction Co	osts [3% New	or 5% R&	RI)	\$94,526
							'' F	70,7020
ESTIM	ATED COSTS (% of Estimated	Construction Costs + Cor	ntingencies + De	esign Fee)			1	\$2,236,903
Escala	tion = percent per month multiplied			,			L	42,200,000
	Est. Date to mid-point of construction	5	8	months	0	% per mo	nth	
	Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-					70 per mic	MILLI	
Health Bl	dgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-1	7 mos = .26%; 18-23 mos = .29	9%; 24-35 mos = .3	33%; 36-47 mos = .36	%; 48-60 mos =	.38%		
ESCAL	ATION COST INCREASE (Total	of Estimated Costs x Es	calation %)				Γ	\$0
	1						_	Ψ0
TOTAL	LESTIMATED PROJECT COST	S (Estimated Costs + Esc	calation Cost Incre	ease)			Γ	\$2,236,903
				and and the second				
APPRO	OVED BY:	<u> </u>		TITLE University	Architect			DATE 6.10.15
	(Governing Board or Age	ency Head)						

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

Ins	titution:	NC State Univer	sity	Advance Planning Request: X
Inc	crease in Authoriza	ation from: \$ <u>800,0</u>	00 to \$ 1.720.488	New Capital Project*:
		gy Performance Con		
Pro	oject Cost: <u>Increa</u>	se of \$920,488 (Tota	al Project, including previ	ously approved amounts, will be \$17,000,000)
So	urce of Funds: Tra	ansfer balance of the	ermal assessments funds r	eceived from R&R and receipt supported projects.
		reviously had advance Code_41224_ Item <u>3</u>		ase identify code/item number under which that
Fo	r each advance pl	lanning project or o	capital construction pro	ject, please provide the following:
1.	A detailed project	et description and jus	stification:	
	thermal storage f allow the Univer	acility in conjunction sity to complete the	n with the Centennial Car	ibility of constructing a new cogeneration and mpus Utility Plant. This additional funding will ion facility to provide energy savings as well as
2.	An estimate of ac (a completed OC		design, site development	, construction, contingency and other related costs
	See attached OC	-25.		
3.	An estimated sch construction only		requirements over the life	of the project by FY quarters (Answer for capital
4.	An estimated sch	nedule for the comple	etion of the project:	
	Design Start: Jun Construction Sta	ne 2013 rt: November 2016	Design Complete: June Construction Complete:	
5.			rating costs and source of ion (Answer for capital co	funding to support these costs, including personnel, onstruction only):
6.		evenues, if any, likel tal construction only		project, covering the first five years of operation
7.	An explanation of	of the means of finan	acing:	
	Transfer balance	of thermal assessme	ents funds received from l	R&R and receipt supported projects. Funds currently

reside in 41224 306 Central Campus Utility Plant Expansion project.

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE

Form OC-25 (Rev 05/12)

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

	DEPARTMENT and DIVISION: PROJECT IDENTIFICATION: North Carolina State University Campus Infrastructure Improvements and CCUP Addition						11/20/14	
PROJECT CITY or LOCATION: Raleigh - Centennial Campus Precinct								
	ECT DESCRIPTION & JUSTIFICATI	x						
accom	This project builds a high-bay addition to the existing Centennial Campus Utility Plant (CCUP) boiler wing with structural steel platforms and catwalks to accommodate new equipment: 5.7 MW combustion turbine (CT) with duct burner, heat recovery steam generator (HRSG), No. 2 fuel oil storage tank,							
and 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 provi	de capacity to expand	thermal infras	structure for futi	ure buildinas	includ	lina Engineering	Building Oval.

(Definit	ons/explanations are provided on pg 2 to	assist in completion of	this form.)					
	ENT ESTIMATED CONSTRUCTION			QTY	UNIT	COS	ST PER UNIT	TOTAL
A.	Land Requirement							\$0
B.	Site Preparation							Ψ0
	1. Demolition				7			\$0
	2. Site Work			1	lump sum	\$	400,000.00	\$400,000
C.	Construction						1	7 100,000
	1. Utility Services							\$0
	Building Construction (addition)		5600	3	\$	227.00	\$1,271,200
	3. Building Construction (existing				-		22.100	\$0
	4. Plumbing (new & existing space			5600		\$	12.00	\$67,200
	5. HVAC (new & existing space)	-/		5600		\$	40.00	\$224,000
	6. Electrical (new space)			5600		\$	20.00	\$112,000
	7. Fire Supression and Alarm Sys	stems (new & existing	space)	5600		\$	7.00	\$39,200
	8. Telephone, Data, Video (new			5600		\$	3.00	\$16,800
	9. 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
	1. Fixed (Mechanical)			1	lump sum	\$	6,224,400.00	\$6,224,400
	2. Moveable				100000		. FI	\$0
ESTIN	IATED CONSTRUCTION COSTS							\$14,275,685
Items be	low may be calculated by percentage or lun	np sum. If using lump sur	n, make entry in \$	field.				
DESIG	IN FEE	10 %	(% of Estimate	d Construction C	osts)			\$1,427,569
	ONSTRUCTION COSTS			d Construction C		M@Ris	skl)	\$142,757
	IISSIONING	1.5 %	(0.5% simple:	1.0% moderate; 1	1.5% complex	۱و. ۱	17	\$214,135
	AL INSPECTIONS/MATERIALS	0.25 %	(1.25% estimat	ted)	no 70 complex	,		\$35,689
	AINABILITY			ld, 2% LEED Silve	er)			\$0
00017	WIN COLOR I							ΨΟ
ADVAI	NCE PLANNING	%		amming, feasibilit d Construction C				\$0
CONT	NGENCIES	3 %	(% of Estimate	d Construction C	osts [3% New	or 5%	R&R])	\$428,271
	1.5	onstruction Costs + Cor	ntingencies + De	esign Fee)				\$16,524,105
	tion = percent per month multiplied b							
(From I	Est. Date to mid-point of construction)	=	24	months	0.12	% per	r month	
General	Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-3	5 mos = .12%; 36-47 mos =	.16%; 48-60 mos =	18%				
Health Bl	dgs: 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	s = .38%		
ESCAL	ATION COST INCREASE (Total of	Estimated Costs x Esc	alation %)				- 1	\$475,894
TOTA	L ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Incre	ease)				\$17,000,000
APPRO	OVED BY:	···		TITLE University	Architect			DATE 11.20.14
	(Governing Board or Agend	cy Head)						

STATE CONSTRUCTION OFFICE WORKSHEET FOR 2007 – 2009

Repair & Renovation	
Capital Improvement	\bowtie
(New Construction or Major Renov	ation)

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%

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

R&R and Capital Improvement (Major Renova	tion)
---	-------

N/A⊠

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

APPENDIX C Revised 7/13/2007 Yes No – Are there any underground or above ground utility lines that will require relocation? If so, specify type of utility, and whether underground or overhead: Describe any unusual site conditions (steep slope, rock, wetlands, unsuitable soil, etc.): not, indicate the utilities to be extended to the site: Complete the checklists for each discipline attached with this worksheet. (Indicate N/A if not applicable for the work proposed.) Signature of person submitting worksheet: **Certification Information Forms GENERAL** 1. Tyes No – Has any advanced planning or programming been done? If Yes, please provide a copy of the scope and the cost estimate. 2. X Yes No – If No, does the schedule include time for the Designer to do a programming phase prior to beginning schematic design? 3. Xes No – Will environmental sustainability and energy use goals be set using a design standard such as the "High Performance Guidelines" or "LEED™"? 4.

☐ Yes ☐ No – Does the schedule allow for an average 30-30-60 days at each submittal for agency reviews? 5.

☐ Yes ☐ No – Has the Owner allowed for his agency review time if it is not concurrent with other review agencies? 6.

☐ Yes ☐ No – Does the estimated construction time allow for the Owner to move. upfit or install furniture and equipment after the time of completion for the work? 7. X Yes No – Will building commissioning of major systems be required for this project? 8. How was the cost estimate determined? Similar Project and Contractor Cost **Estimation** (SF basis, similar project, component cost, contractor, designer) REPAIR & RENOVATION PROJECTS N/A 1. Important: What is the type, age and condition of the roofing over the area being renovated? ☐ Yes ☐ No – Will this project require work of any type to be done on the roof? ROOFING REPAIR OR REPLACEMENT PROJECTS N/A 1. ☐ Yes ☐ No – Is the existing roof system under warranty? Expiration date? 2. Is the low slope (flat) \(\square\$ or a steep slope \(\square\$ roof? 3. Is the roof plan basically one level \(\square\) or multi-levels \(\square\)? Height? (feet stories) 4. Existing system is: BUR ; Single ply ; Shingles ; Slate ; Wood ; Metal ; Other 5. What is the estimated age and condition of the existing roofing? 6. ☐ Yes ☐ No – Has there been a roof condition assessment or survey done? 7. Will this be a total replacement \square , or possibly a recover \square of the existing roofing? 8. What is the existing roof deck system? Metal deck : Concrete : Wood : 9. What is the deck's present condition? Unknown □; Good □; Fair □; Poor □.

10. ☐ Yes ☐ No – Has the cause and location of the roofing failure been determined?

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

12.	(gu	itters, downspouts, fascia,
	trim, equipment, painting, etc.?)	
13.	. ☐ Yes ☐ No – Is there any slope in the existing roofing syste	em?
14.		\square_2
15.	Will analysis be done regarding notantial banefits of the following	: :t0 (Ol1 ::
10.	5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6	ig 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.		
10.	What roofing system would you propose as the roofing replace	ment?
CIV/	VII (CTDIICTUDAI	
	VIL/STRUCTURAL	N/A 🗌
	pair & Renovation Projects:	
1.		lplain? 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 at	nove the 100-year flood
	elevation?	ove the 100-year nood
4.		orthon 500/ of the
-1.	current market value of the building itself?	er than 50% or the
_		
5.		ving, etc.) within the
_	floodplain?	
6.		ew loads, such as roof-
	top HVAC equipment, high density filing systems, operable fold	ing partitions, etc.?
7.		ture of occupancy result
	in the building's classification as an "essential" facility as define	d by the North Carolina
	State Building Code? "Essential" facilities include fire, rescue,	or police stations primary
	communications facilities, surgical or emergency medical facilities	es in Group I
	(institutional) complexes, and emergency power generating sta	tions
	(moditational) complexes, and emergency power generaling sta	uoris.
New	w Projects:	
1.		a regulatory floodalain?
2.	Yes No – Is the proposed Building within the floodplain	2 If and
	Yes No – Can the finished floor elevation of the building	f II SO;
		be established at least 2
	feet above the 100-year flood elevation without creating operation	onal difficulties or
	requiring excessive amounts of fill?	
	☐ Yes │ No − Is any associated "development" (grading, paving	<u>i, etc.)</u> within the floodplain?
	If so:	
3.	Yes No – Does the development encroach upon a regu	llatory floodway?
4.	Yes No – Does the development alter the watercourse	?
5.	∑ Yes ☐ No – Is the topography of the proposed site suitable	e for development?
6.	Yes No – Will significant cut or fill be required?	o for development:
7.	Yes No – Does the site possess sufficient space for acc	eoco drivos and nation-O
8.	Voc No le any information qualle le recontinue de la continue de l	ess unives and parking?
0.		ace conditions previously
_	encountered on this property or adjacent property?	
9.		d, will the exterior walls
	be standard corrugated metal cladding or masonry?	

HV	AC SYSTEMS: (Check if applicable)	N/A
1.	Anticipated HVAC system: Steam Supplied Air Handling Units	
2.	Complex - Central system (ex.: chiller, boiler, central VAV air handlers)	
3.	- Less Complex – Distributed system (ex.: split system heat pumps)	
4.	Simple – (ex.: gas pack, split systems)	
5.	Heat and/or ventilation only	
6.	Other:	
7.	☐ Yes ☐ No – Will an HVAC system be demolished and/or replaced?	
8.	☐ Yes ☐ No – Will ceiling and light fixtures need to be removed/replaced	to allow
	HVAC renovations?	
9.	☐ Yes ☐ No – Will HVAC system repairs or renovations require asbestos	
	abatement?	
10.	☐ Yes ☐ No – If work involves replacement of a chiller within a mechanical	al room
	has emergency refrigerant exhaust and other safeties been considered in the	cost
	estimate?	
11.	Yes No – Does the work involve the replacement or installation of un	deraround
	piping systems? If so, indicate the systems involved and approximate linear	feet of
	piping.	
12.	☐ Yes ☐ No – Will targets be established for annual energy use and costs	for this
	building or renovated space?	
13.	☐ Yes ☐ No – Will an integrated design approach, including computer mo	delina, be
	used to minimize HVAC loads and equipment size through the design of the	envelope.
	lighting, daylighting, insulation and coatings?	
PLU	JMBING SYSTEMS: (Complete if applicable)	N/A
1	How for will underground utilities as add to be a deal of the second and a deal of the second an	
1.	How far will underground utilities need to be extended to serve this building?	(<u>i.e.: are</u>
2	utilities readily available on site?) Indicate "X" if no extension is required. X ft. – Domestic Water	
2. 3.		
3. 4.	 X ft. – Fire Sprinkler Water (<u>adequate flow and pressure?</u>) X ft. – Sanitary Sewer 	
5.	X ft. – Samary Sewer X ft. – Storm Drainage	
6.	X ft. – Natural Gas	
7.		
8.	List any special plumbing system required (ex.: compressed air, vacuum, DI water, e Are fire sprinklers intended for this facility? X Yes No - If so, continue.	<u>tc.</u>): N/A
9.	What type of system is anticipated? wet \square , dry pipe \square , or both \square .	
10.	Is a fire pump anticipated? Yes No	
10. 11.	Will the entire building be sprinklered? ✓ Yes ✓ No – If not, what square for	
	be sprinklered? () sq.ft.	otage will
	bo opinitionod: () oq.it.	
	ECTRICAL SCOPE OF WORK	
	VIDE A NARRATIVE OF THE INTENDED WORK.)	N/A
FRU	ANDE V NAVIVATIAE OL TUE INTENDED MOKK")	

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.

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

Institution:	NC State University	Advance Planning Request:
		New Capital Project*:
Increase in Autho	orization from: \$350,000 to \$450,000	
Project Title: H	Iazardous Waste Facility	
Project Cost: \$1	00,000 increase (Total project cost \$450,00	00 including previously approved \$350,000)
Source of Funds:	F&A	
	s previously had advance planning authorit d. Code 41224 Item 317	y, please 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:

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.

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

Form OC-25 (Rev 05/12)

DEPARTMENT and DIVISION: North Carolina State University DATE:						04/22/15		
PROJECT IDENTIFICATION: Hazardous Waste Facility PROJECT CITY or LOCATION: Raleigh - Centennial Biomedical Campus								
PRO	ECT DESCRIPTION & JUSTIFICATION	ON: (Attach add'I data as	s necessary to indi	cate need, size, fun	nction of improv	ements as well	as a master p	olan.)
Const	ruction of 1200 sq ft building for safe s	torage of flammable	liquids, gases	, solids, and cor	rrosive chem	icals.		•
	tions/explanations are provided on pg 2 to		of this form.)					
	RENT ESTIMATED CONSTRUCTION	COST		QTY	UNIT	COST PE	RUNIT	TOTAL
А. В.	Land Requirement			L	<u> </u>			\$0
D.	Site Preparation 1. Demolition				т			
	Site Work							\$0
C.	Construction							\$0
0.								
	Utility Services Puilding Construction (new analyse)	\						\$0
	 Building Construction (new space) Building Construction (existing) 	e)		1200	sf	\$	235.00	\$282,000
	3							\$0
	Plumbing (new space) HVAC (new space)			1200		\$	19.00	\$22,800
	5. HVAC (new space)6. Electrical			1200		\$	45.00	\$54,000
				1200		\$	30.00	\$36,000
	 Fire Supression and Alarm Syst Telephone, Data, Video 	ems		1200	sf	\$	10.00	\$12,000
	Associated Construction Costs			ļ				\$0
	10. Other:			1	lump sum	\$	446.00	\$446
D.	Equipment		_					\$0
<i>D</i> .	1. Fixed							
	2. Moveable							\$0
ESTIN	IATED CONSTRUCTION COSTS							\$0
							L	\$407,246
items n	elow may be calculated by percentage or lur	np sum. If using lump	sum, make entry	in \$ field.				
DESIG	N FEE	%	/0/ -f =	10				
	ONSTRUCTION COSTS	The same of the sa	(% of Estimate	d Construction Co	osts)		ļ	\$30,537
	IISSIONING		(% of Estimate	d Construction Co	osts [1% for C	CM@Risk])	L	\$0
	AL INSPECTIONS/MATERIALS		(0.5% simple;	1.0% moderate; 1	1.5% complex)		\$0
	AL INSPECTIONS/MATERIALS _		(1.25% estimate					\$0
3031/	AINABILITY	%	(3% LEED Gol	d, 2% LEED Silve	er)			\$0
			Includes progra	amming, feasibilit	y, analysis			
ADVAI	NCE PLANNING	%	(% of Estimate	d Construction Co	osts)			\$0
CONT	NGENCIES			d Construction Co		FOV DODIN	F	
	_		(70 OI Estimate	d Construction Co	usis į3% inew	or 5% R&R])	<u> </u>	\$12,217
FSTIM	ATED COSTS (% of Estimated Cor	struction Costs + Cor	stingonoico : De	sian Carl				
	tion = percent per month multiplied by		nungericles + De	sign ree)			L	\$450,000
	Est. Date to mid-point of construction) =	number of months	0	d				
	Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 m	200 - 400/- 20 47		months	0	% per month	1	
General	104%, 24-35 II	10S = .12%; 30-47 MOS = .	16%; 48-60 mos = .	.18%				
Health Bl	dgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mo	os = .26%; 18-23 mos = .29	9%; 24-35 mos = .3	3%: 36-47 mos = 36	3%: 48-60 mas =	38%		
	ATION COST INCREASE (Total of E			,	770, 10 00 11103 -	.5070	Г	00
			**************************************				L	\$0
TOTAL	ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Incre	ease)			Γ	\$450,000
							L	
APPRO	OVED BY: Lina			TITLE WHIY.	HECH ITE	72	<u>]</u>	DATE 4.22.15
	(Governing Board or Agency	Head)						

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

Institution:		University of North Carolina at Chapel Hill	Advance Planning Request:		
		on from: \$3,600,000_ to \$4,177,108 amily Medicine Renovation	New Capital Project*:		
Pro	oject Tille: Aycock F	amily Medicine Renovation			
Pro	ject Cost \$4.177.108	8			
Sou	arce of Funds: Clinic	cal Receipts			
		riously had advance planning authority, please identify code_41222 Item _304	de/item number under which that		
For	r each advance plar	nning project or capital construction project, please pr	ovide the following:		
1.	William B. Aycock renovation will add an ability to secure authorization will b	description and justification: The renovation of the Famila Family Medicine Building will expand and modernize the clinical capacity with additional exam rooms, a more efficient of the facility for more extensive after-hours care. To be increased by \$577,108 to a new total of \$4,177,108. The rooms and the installation of the UNCH data network information.	is patient care facility. This icient and patient- friendly flow, and This project's current funding his will allow for the renovation of		
2.		uisition, planning, design, site development, construction, l construction only and include a completed OC-25 form)			
3.	An estimated sched construction only):	dule of cash flow requirements over the life of the 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	5,978 4 TH Q 15-16: \$365,992			
4.	An estimated sched November 2015	lule for the completion of the project: Project underway w	vith completion estimated by		
5.		ntenance and operating costs and source of funding to sup ve years of operation (Answer for capital construction only			
6.		enues, if any, likely to be derived from the project, covering construction only): na	ng the first five years of operation		
7.	An explanation of t	the means of financing: Clinical Receipts			

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE DOSED BEDAIR & PENOVATION OF CARITAL IMPROVEMENT PROJECTION

Form OC-25 (Rev 05/12)

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

DEPARTMENT and DIVISION: PROJECT IDENTIFICATION: The University of North Carolina Aycock Family Medicine Center						DATE:	06/26/15		
	JECT IDENTIFICATION:	Renovation							
PROJECT CITY or LOCATION: Chapel Hill, NC								t 1	
	PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)								
	The renovation of the Family Medicine Center, located in the William B. Aycock Family Medicine Building will expand and modernize this patient care facilities. This renovation will add clinical capacity with additional exam rooms, a more efficient and patient- friendly flow, and an ability to secure parts of								
	cility for more extensive after-hours ca		ai exaiti iooitis	, a more emoler	it and paden	it menuly	ilow, allu an a	ionity to accure parts or	
	project's current funding authorization		\$577.108 to a r	new total of \$4.	177.108. Th	is will allo	w for the renov	vation of additional 27	
	rooms and the installation of the UNC	•					.,		
	itions/explanations are provided on pg 2 to		of this form.)						
	RENT ESTIMATED CONSTRUCTION	COST		QTY	UNIT	COST	PER UNIT	TOTAL	
A. B <i>.</i>	Land Requirement Site Preparation				<u> </u>			\$0	
υ,	1. Demolition					1		\$0	
	2. Site Work			1	ĹS	\$	120,610.00	\$120,610	
C.	Construction								
	1. Utility Services							\$0	
	2. Building Construction (new spa	ce)						\$0	
	Building Construction (existing)			26,800		\$	36,64	\$981,952	
	4. Plumbing (new space)			26,800		\$	8.94	\$239,592	
	5. HVAC (new space)	04		26,800		\$	26.49	\$709,932	
	 Electrical (Includes TV & Radio Fire Supression and Alarm Sys 	•		26,800 26,800		\$	16.85 4.43	\$451,580 \$118,724	
	8. Telephone, Data, Video	i¢ilis		26,800		\$	4.39	\$117,652	
	Associated Construction Costs				LS	\$	127,008.00	\$127,008	
	10. Other: Owner Re	eserve		1	LS	\$	363,677.00	\$363,677	
D.	Equipment		-			· · · · · · · · · · · · · · · · · · ·			
	1. Fixed				LS	\$	2,000.00	\$2,000	
FATI	2. Moveable			1	LS	\$	334,000.00	\$334,000	
	ESTIMATED CONSTRUCTION COSTS \$3,566,727 Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.								
items b	elow may be calculated by percentage or lu	mp sum. If using lump	sum, make entry	in \$ field.					
DESIG	SN FEE	10 %	(% of Estimate	d Construction Co	nsts)		Γ	\$356,673	
	ONSTRUCTION COSTS			d Construction Co		M@Riskl)	,	\$0	
	IISSIONING		•	1.0% moderate; 1	\$35,667				
SPEC	AL INSPECTIONS/MATERIALS		(1.25% estimat			•		\$0	
	AINABILITY -	%		d, 2% LEED Silve	er)		!	\$0	
			Includes proora	amming, feasibility	v. analysis				
ADVA	NCE PLANNING	2 %		d Construction Co				\$71,335	
CONT	NGENCIES -	 5 %	1% of Fetimater	d Construction Co	nete 13% Now	or 5% R&I	PI)	\$178,336	
CONT		<u> </u>	(to or Estimated	J CONSTITUTION CO	2313 [270 11644	01 370 1101	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	7170,000	
ESTIM	ATED COSTS (% of Estimated Co	nstruction Costs + Con	tingencies + Des	sion Fee)				\$4,030,402	
	tion = percent per month multiplied by		angonolog - Do	g / 00/			L	, , , , , , , , , , , , , , , , , , , ,	
	(From Est. Date to mid-point of construction) = 14 months 0.26 % per month								
General I	8idgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 r	nos = .12%; 36-47 mos = .	16%; 48-60 mos = .	18%					
Health Di	day 0.5 40% 0.44 00.00 40.47		307 . 04 05 07	201. 20 47 20	10/ · 40 CO	2004			
	dgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m .ATION COST INCREASE (Total of E			3%; 36-47 mos = .36	1%; 48-60 mos =	.38%	Г	\$146,707	
COUAL	ATION COST INCINEASE (TOTAL OF	Stillated Costs X Est	alativii 70)				L.		
TOTA	_ ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Incre	ase)				\$4,177,108	
	1/10/1	4-					_	1/98/15	
APPR(OVED BY: (Charaign Board or Agree)	1 Hoods	_ :	TITLE: Director Fac	cilities Planning		<u>D</u>	ATE (0/20/13	
	(Geverning Board or Agency	(neau)						-	
	$\mathbf{\mathcal{C}}$								

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

Inst	itution:	The University of	North Carolina at Chapel Hi	ll Ad	vance Planning Request New Capital Project*:				
Incı	rease in Authoriza	ation from: \$ <u>323,390</u>	to \$498.500		New Cupital Project .				
Pro	ject Title: Repairs	to Pedestrian Bridges	Over Manning Drive						
Pro	ject Cost: <u>\$498,5</u>	500							
Sou	Source of Funds: State R&R Funds and Hospital Nongeneral Fund Revenue								
*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code $\underline{41223}$ Item $\underline{326}$									
For	each advance pl	lanning project or ca	pital construction project,	please provid	e the following:				
1.	Provide detailed	description and justific	cation:						
and required con Central includes S	This project will address the deficiencies to three pedestrian bridges over Manning Drive between the parking decks and UNC Hospitals and Health Affairs buildings. These deficiencies were identified during inspections that are required by NCDOT for bridges that span NCDOT controlled roads. The scope includes repairs to structural steel, concrete and protective coatings of bridges #670317 (Dental School), #670261 (Center Bridge) and #670318 (Cancer Center). The project incorporates a traffic control plan to manage, direct and protect pedestrian and vehicular access, including emergency vehicles and public transportation. This project's current funding authorization will be increased by \$175,010 to a new total of \$498,500. Additional funding is required to cover the cost of construction which is limited to evenings and weekends.								
2.			esign, site development, con and include a completed OC-		ingency and other related costs				
	See attached	OC-25 form.							
3.	An estimated sch construction only		quirements over the life of th	e project by F	Y quarters (Answer for capital				
YT	D: \$25,030 1 st Q	Qtr 2015-16: 150,000	2nd Qtr 2015-16: 200,000	3 rd Qtr 2015	-16: 123,470				
4.	An estimated sch	nedule for the complete	ion of the project: 12/15/201	5					
5.			ting costs and source of fund on (Answer for capital constr		these costs, including personnel,				
	na								
6.		evenues, if any, likely tal construction only):		ct, covering the	e 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)

DATE: 06.25.2015

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

The University of North Carolina at Chapel Hill

DEPARTMENT and DIVISION:

	Repairs to Pedes	trian Bridges (Over Manning D	rive			
	Chapel Hill, NC						
PROJECT DESCRIPTION & JUSTIFICATION							
This project will address the deficiencies to thr	,	•	•	•	_		•
Affairs buildings. These deficiencies were ider	tified during insp	ections that ar	e required by NO	CDOT for bri	dges that sp	an NCDOT	controlled roads. The
scope includes repairs to structural steel, cond	rete and protectiv	ve coatings of	bridges #67031	7 (Dental Sc	hool), #6702	261 (Center	Bridge) and #670318
(Cancer Center). The project incorporates a tra	affic control plan t	to manage, dir	ect and protect j	oedestrian a	nd vehicular	access, inc	luding emergency
vehicles and public transportation.	·	•	. ,				,
This project's current funding authorization (\$3	23,490) will be in	ncreased by \$1	175.010 to a nev	v total of \$49	98.500. Add	itional fundi	na is required to cover
the cost of construction which is limited to ever			,	, , ,			V (1
CURRENT ESTIMATED CONSTRUCTION CO	_		011/	11807	COOT	ER UNIT	ተለተለነ ፡፡
	J81		QTY	UNIT	I.COSJ:F	EK UNIT	TOTAL \$0
A. Land Requirement B. Site Preparation			L	<u> </u>	1		ψU
B. Site Preparation1. Demolition				1			\$0
2. Site Work					-		\$0
C. Construction			L	<u> </u>			ΨV
				d	1 6	470 404	6470 404
1. Repair Bridge #670317				lea	\$	179,434	\$179,434
2. Repair Bridge #670261				ea	\$	140,901	\$140,901
3. Repair Bridge #670318			1	ea	\$	123,644	\$123,644
4. Plumbing (new space) 5. HVAC (new space)							\$0
							\$0
 Electrical (Includes TV & Radio St Fire Supression and Alarm System 					 		\$0 \$0
Fire Supression and Alaim System Telephone, Data, Video	15						\$0 \$0
Associated Construction Costs							\$0 \$0
10. Other:					+		\$0
D. Equipment				<u> </u>	<u> </u>		
1. Fixed					1		\$0
2. Moveable							\$0
ESTIMATED CONSTRUCTION COSTS					1		\$443,979
Items below may be calculated by percentage or lump	sum. If using lump	sum, make entry	/ In \$ field.			L	
,			, •				
DESIGN FEE	10.3% %	(% of Estimate	ed Construction C	osts)		ſ	\$45,708
PRECONSTRUCTION COSTS	%	•	ed Construction C	\$0			
COMMISSIONING	%	-	1.0% moderate; 1	\$0			
SPECIAL INSPECTIONS/MATERIALS	%	(1.25% estima		,	•		\$0.00
			ld, 2% LEED Silve	er}			\$0
		lankudan progra	rammina faasihilit	y onelusia		ľ	
ADVANCE PLANNING	%		ramming, feasibilit ed Construction Co				\$0
		•		•		<u> </u>	
CONTINGENCIES	2.0 %	(% of Estimate	ed Construction Co	osts [3% New	or 5% R&R])	\$8,813
							A
ESTIMATED COSTS (% of Estimated Constr		itingencies + De	esign Fee)			L	\$498,500
Escalation = percent per month multiplied by nur	nber of months						
From Est. Date to mid-point of construction) =			months		% per mont	ħ	
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos	= .12%; 36-47 mos = .	16%; 48-60 mos =	.18%				
lealth Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos =	26%: 18_23 mos = 26	3% 24_35 mos = 3	33% 38_47 mns = 38	: som 08-80 k	. 38%		
ESCALATION COST INCREASE (Total of Estir			~ 20m 1+-00 ,010c	770, 40-00 11103 4	.5070	Γ	\$0
`		,				L	
TOTAL ESTIMATED PROJECT COST\$ (6	Estimated Costs + Es	calation Cost Incre	ease)				\$498,500
1/1/2 = 1/1						5	ATE 6/26/15
APPROVED BY:		····	TITLE : Director Fa	cilities Planning	1	<u>D</u>	ATE 6/26/13
(Governing Board or Agency He	ad)						• •

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

Ins	stitution:	Western Carolina U	Jniversity		Advance Planning Request:				
Inc	crease in Authorization	on from: \$ <u>22,510,00</u>	<u>-</u>		New Capital Project*:	X			
 Pro		uilding Renovation a	nd Addition						
Pro	oject Cost: See OC-2	25 attached							
So	urce of Funds: Debt	supported by Student	Fees and Hou	sing/Dining Revenues -	- Dining Reserves				
	this project has preventhority is carried. Co		olanning author Item <u>302</u>	rity, please identify code	e/item number under which t	hat			
Fo	r each advance plar	nning project or cap	ital construct	ion project, please pro	vide the following:				
1.	A detailed project of	description and justifi	ication:						
				on Building to increase at aths, parking and utiliti	dining capacity on campus es.	Project			
2.	An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (a completed OC-25 form)								
	costs (see handwrit increase. The rema provided in the orig	tten citations on attac ainder of the requeste ginal formula and in	ched OC-25). 'A ed increase car an increase in	This error accounts for he accounted for in hig the square footage plan	readsheet that excluded contabout \$1 million of the reque gher costs for site work than aned after going through adv anal space in the original form	ested ance			
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	r FY16-2 - S	\$4 million	FY16-3 - \$6 million	FY16-4 - \$6 million				
	FY17-1 - \$6 million	r FY17-2 - S	\$1.5 million						
4.	An estimated sched	lule for the completic	on of the projec	et:					

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

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

Operating costs will be funded from Dining Receipts.

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

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

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

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE

Form OC-25 (Rev 05/12)

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

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

DEPARTMENT and DIVISION:	DATE:	07/08/15				
PROJECT IDENTIFICATION: Brown Building Addi	ition & Renovation					
PROJECT CITY or LOCATION: PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'i data as n				-l\		
PROJECT DESCRIPTION & JUSTIFICATION. (Allach addit data as n	necessary to indicate need, size, fur	nction of improve	ments as well as a master	pian.)		
CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL		
A. Land Requirement				\$0		
B. Site Preparation 1. Demolition & HAZMAT	33388		\$ 16.62	\$554,909		
Demonition & HAZMAT Site Work	1	1	\$ 2,982,342.00	\$2,982,342		
C. Construction	'	!	φ 2,702,342.00	ΨZ,70Z,34Z		
Utility Services	1	1	\$ 1,100,000.00	\$1,100,000		
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 Conditions				\$1,338,894		
D. Equipment						
1. Fixed	1		\$ 1,300,000.00	\$1,300,000		
2. Moveable	1					
ESTIMATED CONSTRUCTION COSTS				\$21,876,349		
tems below may be calculated by percentage or lump sum. If using lump s	sum, make entry in \$ field.					
DESIGN FEE 11 % ((% of Estimated Construction Co	osts)	Г	\$2,504,600		
		mated Construction Costs [1% for CM@Risk])				
	(0.5% simple; 1.0% moderate; 1		1,	\$93,013 \$139,652		
	(.5% estimated)	,	ŀ	\$125,000		
	(3% LEED Gold, 2% LEED Silve					
	Includes programming, feasibility		-			
	(% of Estimated Construction Co			\$162,826		
	•	of Estimated Construction Costs [3% New or 5% R&R])				
		•	• • • • • • • • • • • • • • • • • • • •			
ESTIMATED COSTS (% of Estimated Construction Costs + Conti	ingencies + Design Fee)			\$25,776,494		
Escalation = percent per month multiplied by number of months	0 months	0.0	/ nor month			
(From Est. Date to mid-point of construction) = General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 mos = .1	0 months	0 7	6 per month			
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26%; 18-23 mos = .29		36% · 19 60 mas -	200/			
ESCALATION COST INCREASE (Total of Estimated Construction		30 /0, 40-00 IIIOS =	.36%	\$0		
TOTAL ESTIMATED PROJECT COSTS (Estimated Construction		1	ſ	\$25,776,494		
·	,					
APPROVED BY:(Governing Board or Agency Head)	_ <u>TITLE</u>		<u> </u>	DATE		