# Authorization of Capital Improvement Projects – East Carolina University, North Carolina State University, the University of North Carolina at Chapel Hill, and the University of North Carolina at Charlotte

East Carolina University, North Carolina State University, the University of North

Carolina at Chapel Hill, and the University of North Carolina at Charlotte have requested

authority to establish the following new capital improvement projects.

<u>ECU – Reade Street Market Renovation</u>: This project will redesign and renovate the existing convenience store, seating area, "Subway" sandwich shop, and adjacent gallery area to add a semiprivate dining area/meeting room. This will be accessible to customers of the sandwich shop/convenience store as well as students participating in the West End residential dining program. The project, estimated to cost \$775,000, will be funded by dining receipts, and will be completed by October 2015.

<u>NCSU – College of Veterinary Medicine Anatomy Lab Renovation</u>: This project will renovate 4,540 SF within the College of Veterinary Medicine Main Building to create a 100-student Anatomy Lab and associated support and teaching spaces. The project will improve ventilation and safety features in the Anatomy Lab. The project, estimated to cost \$1,750,000, including previously approved advanced planning authority of \$175,000, will be funded by College of Veterinary Medical Trust Funds, and will be completed by July 2015.

<u>UNC-CH – Elevator Modernization – Davie Hall, Gardner Hall, and Lineberger Cancer Center</u>: This project will address ADA and other code deficiencies for elevators at Davie Hall, Gardner Hall, and Lineberger Cancer Center. The project, estimated to cost \$2,035,375, will be funded from facilities and administrative receipts, and will be completed by May 2016.

<u>UNC-CH – Improvements to Meet Fire Safety Needs – Taylor Hall</u>: The project will address and improve the non-compliant shaft penetrations and other fire safety issues at Taylor Hall. The project, estimated to cost \$1,896,000, will be funded by facilities and administrative receipts, and will be completed by March 2017.

<u>UNC-CH – Kenan Laboratories and Friday Center – Roof Repairs and Replacements</u>: The project will replace the existing roofs and install new fall protection at Kenan Laboratories and Friday Center. At this time, Kenan Laboratory and the lower east and upper west sectors of the Friday Center are scheduled. The project, estimated to cost \$1,505,800, will be funded by facilities and administrative receipts, and will be completed by June 2016.

<u>UNC-CH – Carolina Inn, Restaurant and Bar Renovation</u>: The project will redesign and renovate the Crossroads Restaurant and bar to create a more accessible and updated environment to attract more patrons. Affecting approximately 4,200 SF, the key components of the renovation include expanding the current entry corridor to connect the bar and restaurant; relocation of the bar to gain efficiency in circulation and additional bar seats; conversion of the existing buffet area into a new market featuring bakery and coffee products; and update of the Front Porch with new tables and lounge seating for outdoor dining. In addition, upfit for the Carolina Inn Administrative staff swing space will be part of the project. The project, estimated to cost \$2,328,000, will be funded by institutional trust funds, and will be completed by August 2015.

<u>UNC-CH – Ehringhaus, Hinton James, and Carmichael Residence Halls – Roof Replacement</u>: The project will replace the existing roofs at three residence halls. The roofs, built-up flat roofs, in Ehringhaus, Hinton James, and Carmichael Residence Halls are over 23 years of age, past the normal useful life of 20 years, and are in need of replacement. The project, estimated to cost \$1,200,000, will be funded by housing trust funds, and will be completed by June 2015.

<u>UNC-CH – Energy Efficiency Program, Chapman Hall, ITS Manning, and Glaxo Building</u>: The project will implement energy conservation measures at Chapman Hall, ITS Manning, and Glaxo Building. The project, estimated to cost \$1,355,000, will be funded by energy savings carry-forward funds, and will be completed by July 2017.

<u>UNC-CH – Ehringhaus, Hinton James, and Carmichael Residence Halls – Elevator Modernization</u>: The project will replace elevators in Ehringhaus, Hinton James, and Carmichael Residence Halls. Modernizing the elevators will bring them up to current life safety standards as required by the N.C. Department of Labor and provide fire codes and Americans with Disabilities Act (ADA) compliance. The project, estimated to cost \$1,900,000, will be funded by housing trust funds, and will be completed by May 2015.

<u>UNC-CH – Structural Repairs – Knapp Sanders and Abernethy Hall</u>: The project will re-seal the building envelope at Knapp-Sanders and an envelope restoration at Abernethy Hall. The project, estimated to cost \$1,076,700, will be funded by facilities and administrative receipts funds, and will be completed by June 2016.

<u>UNC-CH – University Master Plan</u>: The project will develop a University Master Plan integrating the campus' strategic plans for all University properties. The Master Plan will guide the physical growth and development of the UNC-Chapel Hill campus for the next 20 years. The project, estimated to cost \$1,500,000, will be funded by facilities and administrative receipts funds, and will be completed by December 2017.

<u>UNC-CH – Repairs to Electrical, Plumbing, and HVAC Systems – School of Dentistry, Davis Library, Lineberger Cancer Center, and Morehead Chemistry Laboratory</u>: The project will replace the vacuum system at the School of Dentistry buildings, replace the HVAC spray coils at the Davis Library, and address the HVAC deficiencies at the Lineberger Cancer Center and Morehead Chemistry Laboratory. The project, estimated to cost \$2,458,375, will be funded by facilities and administrative receipts funds, and will be completed by May 2016.

<u>UNCC – Student Counseling Center</u>: The project will provide clinical and wellness services to students. Currently, the counseling function is housed in the Atkins Library. Both library and counseling functions need to expand; counseling requires a new location. A new building adjacent to the existing Student Health Center will provide for needed expansion, integrating in one area counseling, student health, and wellness services. The project, estimated to cost \$4,000,000, will be funded by institutional trust funds, and will be completed by January 2017.

<u>UNCC – North Library Lane Improvements</u>: The project will improve accessibility, reduce pedestrianvehicular conflict, and improve safety on Library Lane which is a main entry for students and service vehicles into the core of campus. The project includes roadway and pedestrian walkway improvements, ADA improvements, parking improvements, and storm drain replacement. The work incorporates brick and asphalt repaving, new planting and retaining walls, and new hand rails. The project, estimated to cost \$498,000, will be funded by institutional trust funds, and will be completed by January 2015. <u>UNCC – Kennedy Emergency Generator</u>: The project will provide an emergency generator required to insure business continuity for Information Technology Services (ITS) operations in the Kennedy Building. Project includes associated site improvements and a screen wall around the generator. The project, estimated to cost \$500,000, will be funded by institutional trust funds, and will be completed by June 2015.

<u>UNCC – Outdoor Events Shelter</u>: The project will construct an 8,000 square-foot pre-engineered steel pavilion and an adjacent toilet facility for university outdoor functions. The structures will be located in an open area along the pedestrian path from main campus to the football stadium. The area currently provides space for university outdoor events with rented event tents and temporary restrooms. It is more cost effective over the long term to build permanent structures than to continue to rent tents and temporary restroom facilities. The structures will be used throughout the year for student, faculty and staff events. The project, estimated to cost \$1,200,000, will be funded by institutional trust funds, and will be completed by August 2015.

# <u>Authorization for Advance Planning of New Capital Improvement Projects – East Carolina University</u> and North Carolina State University

East Carolina University and North Carolina State University have requested authority to

establish advance planning of the following projects.

<u>ECU – Dowdy Ficklen Stadium Press Box Renovation and Expansion</u>: This project consists of renovation and expansion of Dowdy Ficklen Stadium Press Box. This advance planning authorization will utilize \$250,000 of gifts and athletics receipts. This project includes review and update of the previous study and development of a final program to include phasing and cost estimates for the project. Upon completion of this work, a request may be made to proceed directly into project design. The project scope will include renovation and expansion of press box facilities, development of academic support space for student athletes, development of a variety of seating and suite-style options for fans, donors and alumni, create new support space for sports medicine, the Pirate Club, ticket office, kitchen and vending areas, and create additional office space to accommodate departmental growth. The project, estimated to cost \$50,000,000, will be funded from gifts and athletics receipts.

<u>NCSU – Harrelson Hall Demolition</u>: This project consists of the demolition of Harrelson Hall, a 109,953 SF four-story cylindrical classroom building built in 1961. This advance planning authorization will utilize \$270,000 of carry-forward funds. Project scope includes asbestos abatement, building demolition and isolation, and termination or removal of major utilities. The building structure is composed of an inner cast-in-place concrete core and a surrounding precast/cast-in-place hybrid structure. The demolition method will take into consideration vibration sensitive research in the vicinity. The project will include site backfill, restoration, landscaping, and hardscape work. The project, estimated to cost \$3,508,000, will be funded from FY 2014-15 carry-forward funds.

<u>NCSU – Patterson Hall Business Center Renovation</u>: This project consists of renovation of the Business Center at Patterson Hall. This advance planning authorization will utilize \$220,000 of carry-forward funds. Project scope includes renovation of the ground floor of Patterson Hall to accommodate the programmatic needs of the College of Agriculture and Life Sciences Business Office. The floor plan will be revised and existing HVAC, electrical, fire alarm, and lighting systems will be upgraded. The project, estimated to cost \$1,561,800, will be funded from FY 2014-15 carry-forward funds.

<u>NCSU – Patterson Hall Foundation Waterproofing</u>: This project consists of foundation waterproofing at Patterson Hall. This advance planning authorization will utilize \$31,000 of carry-forward funds. Project scope includes addressing water infiltration on the ground floor of Patterson Hall. Design efforts will ascertain the exact source of water infiltration. It is expected that the northwest corner of the building below grade wall must be exposed and new waterproofing membrane installed. Windows with broken seals will also be addressed. The project, estimated to cost \$312,561, will be funded from FY 2014-15 carry-forward funds.

# <u>Authorization to Increase the Scope of Capital Improvements Projects – The University of North</u> Carolina at Chapel Hill

UNC-Chapel Hill has requested authority to increase the scope of a previously approved

capital improvements project.

<u>UNC-CH – Mary Ellen Jones Renovation</u>: This project, approved in April 2013 by the Board, will provide supplemental funding for the Mary Ellen Jones Building Renovation. The design for a comprehensive renovation of Mary Ellen Jones is currently underway and the additional funding will replace air handlers, electrical infrastructure, fire pump, and other building systems and equipment, renovate all eleven floors of the building for new research laboratory space and vivarium. In addition, this project will address code deficiencies and deferred maintenance items. The project will also replace the existing exterior precast panels and install a new exterior glass curtain wall and renovate approximately 230,000 SF. A new open space plaza between Mary Ellen Jones Building and Thurston Bowles Building will provide a new building entrance and will be constructed as part of this project. Compliance with GS 143-135.35 - 143-135.40, Sustainable, Energy Efficient Buildings, is also required. The increase in authorization of \$52,578,067 (from \$63,681,005 to \$116,259,072) will be funded by facilities and administrative receipts.

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

Institution:	East Carolina University	Advance Planning Request: New Capital Project*: X
Increase in Auth	norization from: <u>\$0 to \$775,000</u>	1 J
Project Title:	Reade Street Market Renovation	
Project Cost:	\$775,000	
Source of Funds	: Dining Receipts	

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

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

1. A detailed project description and justification:

Redesign and renovation of an existing convenience store, the seating area, "Subway" sandwich shop and adjacent gallery area to add a semi-private dining area/meeting room. This will be accessible to customers of the sandwich shop/convenience store as well as students participating in the West End residential dining program.

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

Planning & Design	\$ 61,187
Construction	\$ 679,850
Contingency	\$ 33,993
Total	\$ 775,030

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

FY 2014-15	Q2	\$ 40,000
FY 2014-15	Q3	\$ 73,500
FY 2014-15	Q4	\$ 183,780
FY 2015-16	Q1	\$ 404,250
FY 2015-16	Q2	\$ 73,500
	\$ 775,030	

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

## Fall 2015

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

No change in operating cost.

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

No additional revenue received.

 An explanation of the means of financing: Dining Receipts

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

DEPARTMENT and DIVISION:	East Carolina Univ	rersity				DATE:	10/15/14
PROJECT IDENTIFICATION:	Reade Street Mark	5			_	-	
PROJECT CITY or LOCATION:	Greenville, NC						
PROJECT DESCRIPTION & JUSTIFICATION	ON: (Attach add'l data as	necessary to indic	ate need, size, fun	ction of improv	ements as we	ell as a master pla	an.)
Redesign and renovation of an existin							
add a semi-private dining area/meetin							
as students participating in the West I	-					r,	
		8 F8	•				
(Definitions/explanations are provided on pg 2 to	assist in completion o	f this form.)					
CURRENT ESTIMATED CONSTRUCTION		,	OTY :	UNIT	COST	PER UNIT	TOTAL
A. Land Requirement							\$0
B. Site Preparation							
1. Demolition							\$0
2. Site Work							\$0
C. Construction							
1. Utility Services							\$0
2. Building Construction (new spa							\$0
<ol><li>Building Construction (existing)</li></ol>			3000		\$	143.00	\$429,000
4. Plumbing (existing)			3000		\$	16.50	\$49,500
5. HVAC (existing)			3000		\$	27.50	\$82,500
6. Electrical (existing - Includes T			3000		\$	33.00	\$99,000
7. Fire Suppression and Alarm Sy	stems (security)			ls	\$	5,000.00	\$5,000
8. Telephone, Data, Video			3000	st	\$	4.75	\$14,250
9. Associated Construction Costs			1		¢	(00.00	\$0 \$/00
10. Other: Newspap	er ads	_ I	I	ls	\$	600.00	\$600
D. Equipment						1	\$0
1. Fixed							\$0
2. Moveable ESTIMATED CONSTRUCTION COSTS		_					\$0 \$679,850
	16 · · ·		6 C 1 I			L	\$079,030
Items below may be calculated by percentage or lu	mp sum. If using lump s	sum, make entry i	n \$ field.				
DESIGN FEE	9%	(0/ of Ectimator	d Construction C	octc)		Г	\$61,187
PRECONSTRUCTION COSTS	<u> </u>		d Construction C		CM@Dick]	, <b>–</b>	\$01,187
COMMISSIONING	%		1.0% moderate; 1	-		,	\$0
SPECIAL INSPECTIONS/MATERIALS	%	(1.25% estimat			,,,,	-	\$0
SUSTAINABILITY			d, 2% LEED Silve	er)		F	\$0
						-	
ADVANCE PLANNING	%		mming, feasibilit d Construction C				\$0
-							
CONTINGENCIES	5 %	(% of Estimate	d Construction C	osts (3% Ne	w <b>or</b> 5% R8	·R])	\$33,993
		-					\$775,029
ESTIMATED COSTS (% of Estimated Co Escalation = percent per month multiplied b	onstruction Costs + Co	nungencies + De	esign ree)			L	\$775,027
(From Est. Date to mid-point of construction) =			months		% per mo	nth	
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 r		6% 48-60 mos = 1					
		,					
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m			%; 36-47 mos = .36%	%; 48-60 mos =	.38%	-	+ - ]
ESCALATION COST INCREASE (Total of	Estimated Costs x Es	calation %)					\$0
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Incre	ase)			Г	\$775,029
						-	
APPROVED BY:		IIILE: <u>Director,</u>	Facilities Engineeri	ng & Architect	ural Services	[	DATE
(Governing Board or Agence	cy Head)						

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

Institution:	North Carolina State University	Advance Planning Request: New Capital Project*: X
	thorization from: \$ to \$ College of Veterinary Medicine Anatomy Lab Renovatio	· · · · <u> </u>
Project Cost:	\$1,575,000 (Total Project Cost \$1,750,000 including prev	viously approved \$175,000 AP)

Source of Funds: College of Veterinary Medicine Trust Funds

\*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code\_41324\_\_\_\_\_ Item \_310\_\_\_\_\_

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

1. A detailed project description and justification:

This project will renovate 4,540 gsf within the CVM Main Building to create a 100-student Anatomy Lab and associated support and teaching spaces. The project will improve ventilation and safety features in the Anatomy Lab.

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

See attached OC-25.

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

	Q1	<u>Q2</u>	<u>Q3</u>	Q4
FY 2015	\$24,142	\$194,576	\$85,897	\$705,916
FY 2016	\$469,367	\$201,677	\$68,425	

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

Design Start: 8/15/2014	Design Complete: 1/15/2015
Construction Start: 4/27/2015	Construction Complete: 7/31/2015

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

N/A

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

No revenues are expected to be derived from this project.

7. An explanation of the means of financing:

College of Veterinary Medicine Trust funds will fund both 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

DEPA	ARTMENT and DIVISION:	North Carolina Sta					DATE:	10/09/14
	JECT IDENTIFICATION:	CVM Main Buildin		b Renovation				
	IECT CITY or LOCATION:	Raleigh - West Ca						
PRO	ECT DESCRIPTION & JUSTIFICATI	ON: (Attach add'l data as	s necessary to ind	icate need, size, fu	nction of improv	ements as	s well as a master p	olan.)
This p	project will renovate 4,540 gsf within the	he CVM Main Buildin	<u>g to create a 1</u>	00-student Ana	atomy Lab ar	nd assoc	iated support a	ind teaching spaces.
The p	roject will improve ventilation and safe	ety features in the An	atomy Lab.					
	tions/explanations are provided on pg 2 to		this form.)					
	RENT ESTIMATED CONSTRUCTION	COST		QTY	UNIT	COS	T PER UNIT	TOTAL
А. В.	Land Requirement							\$0
D.	Site Preparation 1. Demolition					-		
	2. Site Work							\$0
C.	Construction			L				\$0
	1. Utility Services			[		T		¢0
	2. Building Construction (new spa	ce)						\$0 \$0
	3. Building Construction (existing)			4540	sf	\$	152.00	\$690,080
	4. Plumbing (new & existing space	e)		4540	(1998)	\$	15.00	\$68,100
	5. HVAC (new & existing space)			4540		\$	30.00	\$136,200
	6. Electrical (new & existing space			4540	sf	\$	20.00	\$90,800
	7. Fire Supression and Alarm Syst		space)	4540	sf	\$	3.50	\$15,890
	8. Telephone, Data, Video (new 8	& existing space)		4540	sf	\$	2.50	\$11,350
	9. Associated Construction Costs			1	lump sum	\$	126,459.00	\$126,459
D	10. Other:	1. 		·				\$0
D.	Equipment 1. Fixed		4				150 000 001	
	2. Moveable				lump sum	\$	150,000.00	\$150,000
ESTIN	IATED CONSTRUCTION COSTS		1	1	lump sum	\$	223,000.00	\$223,000
	elow may be calculated by percentage or lur	mn sum lf using lumn s	um maka antru	in f field			L	\$1,511,879
nome pe	non may so calculate sy percentage of far	inp sum. It using tump s	an, make entry i	in ș neiu.				
DESIG	N FEE	10 %	(% of Estimated	d Construction Co	osts)		Г	\$151,188
PRECO	DNSTRUCTION COSTS			d Construction Co		M@Risk1	, F	\$11,339
COMM	ISSIONING	%	(0.5% simple; 1	.0% moderate; 1	.5% complex)	01	′ F	\$0
	AL INSPECTIONS/MATERIALS	%	(1.25% estimate	ed)			F	\$0
SUSTA	INABILITY	%	(3% LEED Gold	d, 2% LEED Silve	er)			\$0
			Includes progra	mming, feasibility	, analysis		Γ	
ADVAN	ICE PLANNING			Construction Co				\$0
CONTI	NGENCIES	5 %	(% of Estimated	Construction Co	sts [3% New	or 5% R8	&R])	\$75,594
ESTIM	ATED COSTS (% of Estimated Cor	nstruction Costs + Conti	ingencies + Des	ign Fee)				\$1,750,000
Escalat	ion = percent per month multiplied by			- ,			. L.	+ 1,1 00,000
	st. Date to mid-point of construction) = ldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 r	nos = .12%; 36-47 mos = .12\%; 36-47\%; 36	8 16%; 48-60 mos =	months . .18%	0	% per m	onth	
	gs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mo				6% 48-60 mos	= 38%		
	ATION COST INCREASE (Total of Es			, oo n mooo	070, 40-00 1103	00 /0		\$0
TOTAL	ESTIMATED PROJECT COSTS	(Estimated Costs + Esca	alation Cost Increa	ase)			Г	\$1,750,000
APPRO	VED BY:		_ 1	TITLE University A	Architect		<u>D</u>	ATE 10.15.14
	(Governing Board or Agency	Head)						

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

Institution:	The University of North Carolina at Chapel Hill	Advance Planning Request New Capital Project*:	<u>v</u>
Increase in Authorization	on from: \$_0 to <u>\$2,035,375</u>		<u> </u>
Project Title: Elevator N	Modernization – Davie Hall, Gardner Hall, and Lineber	rger Cancer Center	

Project Cost: \$2,035,375

Source of Funds: F&A Funds

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

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

1. Provide detailed description and justification:

UNC Chapel Hill is committing F&A funds to address needed elevator repairs. This project will address ADA and other code deficiencies for the elevators at Davie Hall, Gardner Hall and Lineberger Cancer Center.

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

See attached OC-25 form.

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

TPC																
\$	2,035,375															
Cash Flow Estimate for Total Project Cost																
By End of:		2Q	2014-15	3Q	2014-15	4Q 2	014-15	1Q	2015-16	2Q	2015-16	3Q	2015-16	4Q	2015-16	Check
Expected Expendi	iture	\$	183,184	\$	183,184	\$	183,184	\$	305,306	\$	305,306	\$	468,136	\$	407,075	\$ 2,035,375

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

Begin design: November 2014; Complete construction May 2016

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

n/a

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

n/a

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

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

DEPARTMENT and DIVISION:	UNC Chapel Hill	•			10/27/201	4
PROJECT IDENTIFICATION:	Davie Hall, Gardner	<sup>r</sup> Hall and Line	berger Cancer	Center, Eleva		
PROJECT CITY or LOCATION:	Chapel Hill					
PROJECT DESCRIPTION & JUSTIFICATION	DN: (Attach add'i data as r	ecessary to indica	ite need, size, func	tion of improvem	ents as well as a master p	lan.)
This project will address ADA and other cod	e deficiencies for the	elevators in Da	avie Hall, Gardr	ner Hall and L	ineberger Cancer Ce	enter.
(Definitions/explanations are provided on pg 2 to CURRENT ESTIMATED CONSTRUCTION	assist in completion of th		QTY			
A. Land Requirement	0001		Concession of the concession o			\$0
B. Site Preparation				1		
1. Demolition						\$0
2. Site Work						\$0
C. Construction						
1. Utility Services						\$0
<ol><li>Building Construction (new spatial construction)</li></ol>	ce)					\$0
<ol><li>Building Construction (existing)</li></ol>				6 Ea. Elev.	\$ 280,167.0	
4. Plumbing (new space)						\$0
5. HVAC (new space)			ļ			\$0 \$0 \$0
6. Electrical (Includes TV & Radio						<u>\$0</u>
7. Fire Supression and Alarm Syst	lems					\$0
<ol> <li>Telephone, Data, Video</li> <li>Associated Construction Costs</li> </ol>				1 Lump Sum	\$ 90,000.0	
10. Other:					00,000.0	\$0
D. Equipment		-			<u> </u>	
1. Fixed				T		\$0
2. Moveable						\$0
ESTIMATED CONSTRUCTION COSTS				1		\$1,771,002
Items below may be calculated by percentage or lu	mp sum. If using lump s	um, make entry lr	n \$ field.			· •
DESIGN FEE	9%	(% of Estimate	ed Construction C	Costs)		\$159,390.18
PRECONSTRUCTION COSTS	0 %	•	ed Construction C	-		\$0
COMMISSIONING	0 %	•	1.0% moderate;	1.5% complex)		\$0
SPECIAL INSPECTIONS/MATERIALS	0 %	(1.25% estima				\$0
SUSTAINABILITY	0 %	(3% LEED Go	ld, 2% LEED Silv	/er)		\$0
ADVANCE PLANNING	<u> </u>		amming, feasibili ed Construction C			\$0
CONTINGENCIES	5 %	(% of Estimate	ed Construction C	Costs (3% New	or 5% R&R] )	\$88,550
- ESTIMATED COSTS (% of Estimated Co	nstruction Costs + Conti	ngencies + Desi	gn Fee)			\$2,018,942
Escalation = percent per month multiplied by	number of months					•
(From Est. Date to mid-point of construction) = General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35		20 16%; 48-60 mos = ,	-	0.04	% per month	
Health 8!dgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 r	nos = .26%; 18-23 mos = .29	9%; 24-35 mos = .3	3%; 36-47 mos = .3	86%; 48-60 mos =	.38%	
ESCALATION COST INCREASE (Total of E	Estimated Costs x Esca	alation %)				\$16,152
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Esc	alation Cost Increa	ise)			\$2,035,094
APPROVED BY:	h		Director of Faciliti	es Planning and	Design	10/27/14
(Governing Board or Agen	cy Head)	-		oo r ionniaiy ollu	n coult	<u></u>

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

Institution:	The University of North Carolina at Chapel Hill	Advance Planning Request	
Increase in Authorization	on from: \$_0 to <u>\$1,896,000</u>	New Capital Project*:	Х
Project Title: Improven	nents to Meet Fire Safety Needs – Taylor Hall		
Project Cost: <u>\$1,896,0</u>	000		
Source of Funds: <u>F&amp;A</u>	Funds		

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

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

1. Provide detailed description and justification:

UNC Chapel Hill is committing F&A funds to address the non-compliant shaft penetrations and other fire safety issues at Taylor Hall.

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

See attached OC-25 form.

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

TPC												
\$ 1,896	000											
Cash Flow Estimate for Total Project Cost												
By End of:	2Q 20	)14-15	3Q 2014-15	4Q 2014-15	1Q 2015-16	2Q 2015-16	3Q 2015-16	4Q 2015-16	1Q 2016-17	2Q 2016-17	3Q 2016-17	Check
Expected Expenditure	\$	94,800	\$ 94,800	\$ 94,800	\$ 94,800	\$ 132,720	\$ 189,600	\$ 237,000	\$ 379,200	\$ 379,200	\$ 199,080	\$ 1,896,000

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

Begin design: December 2014; Complete construction March 2017

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

n/a

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

n/a

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

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

DEPARTMENT and DIVISION: UNC Chapel Hill				10/27/2014				
	ECT IDENTIFICATION:	Improvements to M	eet Fire Safety	Needs, Taylor H	fall			
	IECT CITY or LOCATION:	Chapel Hill						
PROJ	IECT DESCRIPTION & JUSTIFIC	ATION: (Attach add'I data as	necessary to indic	ate need, size, fund	ction of improve	ments as well	as a master plan	.)
This p	project will address the non-compl	ant shaft penetrations and	other fire safet	y issues at Tayl	or Hall.			
-		A						
	itions/explanations are provided on p RENT ESTIMATED CONSTRUCT		this form.)	QTY	UNIT	COST PE		TOTAL
		ION COST				000111		\$0
А. В.	Land Requirement							Ψ0
D.	Site Preparation 1. Demolition							\$0
	2. Site Work							\$0 \$0
C.	Construction							
0.	1. Utility Services							\$0
	2. Building Construction (new	enacal						\$0
	3. Building Construction (exist			75,928.00	Sa. Ft.	\$	17.48	\$1,327,559
	4. Plumbing (new space)	nu8/				т 		\$0
	5. HVAC (new space)							\$0
	<ol> <li>Electrical (includes TV &amp; R</li> </ol>	adio Studio)						\$0
	<ol> <li>Fire Supression and Alarm</li> </ol>							\$0
	8. Telephone, Data, Video	oyuunio						\$0
	9. Associated Construction Co	osts		1	Lump Sum	\$3	14,000.00	\$314,000
	10. Other:							\$0
D.	Equipment			<u>.</u>		L		
	1. Fixed							\$0
	2. Moveable							\$0
ESTI	MATED CONSTRUCTION COS	TS		h	1			\$1,641,559
Items	below may be calculated by percentag	je or lump sum. If using lump	sum, make entry	in \$ field.			L	
	, , ,							
DESI	GN FEE	9%	(% of Estimate	ed Construction C	osts)			\$147,740
PREC	CONSTRUCTION COSTS	0 %	(% of Estimate	d Construction C	osts [1% for (	CM@Risk])		\$0
COM	MISSIONING	0.5 %	(0.5% simple;	1.0% moderate; 1	1.5% complex	)		\$8,208
SPEC	CIAL INSPECTIONS/MATERIALS	0 %	(1.25% estima	ted)				\$0
SUST	TAINABILITY	0 %	(3% LEED Go	ld, 2% LEED Silv	er)			\$0
			Includes progr	amming, feasibilii	ty, analysis			
ADVA	ANCE PLANNING	1 %		ed Construction C				\$16,416
CONT	TINGENCIES	5 %	(% of Estimate	d Construction C	osts [3% New	or 5% R&R]	)	\$82,078
								¢1 906 000
	•	ed Construction Costs + Con	tingencies + De	sign Fee)			L	\$1,896,000
	ation = percent per month multiplic		0	months	٥	% per mont	h	
	Est. Date to mid-point of construction Bldgs: 0-17 mos = 0%; 18-23 mos = .04%;		-	•			11	
0011010								
Health I	Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 1	2-17 mos = .26%; 18-23 mos = .29	%; 24-35 mos = .33	%; 36-47 mos = .36%	6; 48-60 mos = .3	18%		
ESCA	ALATION COST INCREASE (Tota	al of Estimated Costs x Esc	alation %)					\$0
тоти	AL ESTIMATED PROJECT CO	STS /(Estimated Costs + Es	calation Cost Incre	ease)				\$1,896,000
APPF	ROVED BY: Governing Board o	r Agency Head)	•	Director of Facilitie	es Planning and	<u>l Design</u>	<u>10/2</u>	27/14

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

Institution:	The University of North Carolina at Chapel Hill	Advance Planning Request New Capital Project*:	x						
Increase in Authorization from: $\_0$ to $\$1,505,800$									
Project Title: Roof Rep	airs and Replacements – Kenan Laboratories and Friday C	Center							
Project Cost: <u>\$1,505,80</u>	00								

Source of Funds: F&A Funds

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

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

1. Provide detailed description and justification:

UNC Chapel Hill is committing F&A funds to perform roof repairs and replacements for UNC facilities. At this time, Kenan Laboratory and the lower east and upper west sectors of the Friday Center are scheduled.

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

See attached OC-25 form .

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

TPC									
\$ 1,5	05,800								
	Cash Flow Estimate for Total Project Cost								
By End of:	By End of: 2Q 2014-15 3Q 2014-15 4Q 2014-15 1Q 2015-16 2Q 2015-16 3Q 2015-16						4Q 2015-16	Check	
Expected Expenditure		\$ 75,290	\$ 75,290	\$ 120,464	\$ 180,696	\$ 527,030	\$ 301,160	\$ 225,870	\$ 1,505,800

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

Begin – December 2015; Construction completion- June 2016

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

na

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

n/a

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

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

DEPARTMENT and DIVISION: UNC Chapel Hill						10/27/2014			
PROJ	ECT IDENTIFICATION:		eplacement, Ke	enan Laboratories and Friday Center					
PROJECT CITY or LOCATION: Chapel Hill									
PROJ	ECT DESCRIPTION & JUSTIFICATIO	N: (Attach add'l data as	necessary to indica	te need, size, fund	ction of improve	ements as	s well as a master	plan.)	
This p	roject will replace the existing roofs an	d install new fall prote	ction.						
•	ions/explanations are provided on pg 2 to		this form.)	ΟΤΥ	LINUT	000		ΤΟΤΑΙ	
	ENT ESTIMATED CONSTRUCTION	COST		QTY	UNIT	005	T PER UNIT	TOTAL \$0	
А. В.	Land Requirement		L					φU	
<b>D</b> .	Site Preparation 1. Demolition		r			<b>I</b>		\$0	
	2. Site Work							\$0	
C.	Construction		Ł			L		<b>*</b> *	
•••	1. Utility Services		Г			[		\$0	
	2. Building Construction (new space	e)	ŀ					\$0	
	<ol> <li>Building Construction (non opuc</li> <li>Building Construction (existing)</li> </ol>	~)	1	84,126.00	Sa. Ft.	\$	13.04	\$1,096,649	
	4. Plumbing (new space)		ŀ		•	, 		\$0	
	5. HVAC (new space)		F					\$0	
	6. Electrical (Includes TV & Radio	Studio)	ſ					\$0	
	7. Fire Supression and Alarm Syste		ľ					\$0	
	8. Telephone, Data, Video		1					\$0	
	9. Associated Construction Costs		ľ	1	Lump Sum	\$	200,000.00	\$200,000	
	10. Other:		_ [					\$0	
D.	Equipment		-						
	1. Fixed		Ĺ					\$0	
	2. Moveable		Ŀ			<u> </u>		\$0	
	ATED CONSTRUCTION COSTS						L	\$1,296,649	
ltems b	elow may be calculated by percentage or l	ump sum. If using lump	sum, make entry i	in \$ field.					
neela	IN FEE	9%	(% of Estimator	I Construction C	nete)		Į	\$116,698	
	ONSTRUCTION COSTS	0 %	•	Construction C	•	`M@Ris	ы)	\$0	
	IISSIONING	0 %	•	.0% moderate; 1	-	-	·17	\$0	
	AL INSPECTIONS/MATERIALS	1.3 %	(1.25% estimate		no no oompion	<i>'</i>	F	\$16,856	
		0 %	,	I, 2% LEED Silve	er)		ŀ	\$0	
		······	•	mming, feasibilit	-				
ADVA	NCE PLANNING	0 %		Construction C				\$0	
	INGENCIES	5 %	(% of Estimated			/ <b>or</b> 5% F	\&R] )	\$64,832	
ESTIM	ATED COSTS (% of Estimated Co	nstruction Costs + Con	linaencies + Desi	an Fee)				\$1,495,036	
	tion = percent per month multiplied by		Ū .	. ,			L.		
	Est. Date to mid-point of construction) =		18	months	0.04	% per n	nonth		
General	Bidgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 r	nos = .12%; 36-47 mos = .16	5%; 48-60 mos = .189						
الله مانك آثا	ldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m	aa - 968/ 19 09 maa - 900	V: 01 95 man - 990/	20 17 max - 2001	· 40.60 maa = 2	1007			
	ATION COST INCREASE (Total of E			, 0047 mos → .0070	, 40-00 BIOS → .3	070	г	\$10,764	
COUAL	ATION COST INCREASE (TOUR OF E	Sumaled Cosis X Esca	nation 76 j				L	ψ10,704	
TOTA	LESTIMATED PROJECT COSTS	(Estimated Costs + Esc	alation Cost Increa	se)				\$1,505,800	
APPR		and the second	_ <u>[</u>	Director of Facilitie	s Planning and	l Design	:	10/27/14	
	Governing Board or Ager	icy Head)							

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

Institution:	The University of North Carolina at Chapel Hill	Advance Planning Request					
Increase in Authorization	on from: \$_0 to <u>\$2,328,000</u>	New Capital Project*: x					
Project Title: Carolina Inn, Restaurant and Bar Renovation							
Project Cost: <u>\$2,328,0</u>	00						
Source of Funds: Insti	tutional Trust Fund						

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

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

- 1. A detailed project description and justification: The redesign and renovation of the Crossroads restaurant and bar will create a more accessible and updated environment to attract more patrons. Affecting approximately 4200 square feet, the key components of the renovation include expanding the current entry corridor to connect the bar and restaurant; relocation of the bar to gain efficiency in circulation and additional bar seats; conversion of the existing buffet area into a new market featuring bakery and coffee products; and update of the Front Porch with new tables and lounge seating for outdoor dining. In addition, upfit for the Carolina Inn Administrative staff swing space will be part of the project.
- 2.
- 3. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (Answer for capital construction only and include a completed OC-25 form)

See attached OC-25 form .

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

Total Project Cost					
\$2,328,000					
Cash Flow Estimate for Total F	Project Cost				
By End of:	2Q 2015-16	3Q 2015-16	4Q 2015-16	1Q 2016-17	Check
Expected Expenditure	\$232,800	\$582,000	\$698,400	\$814,800	\$2,328,000

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

Design Development and Construction Documentation phases will begin in the Fall of 2014 and will require roughly nine months to complete. It is anticipated that construction will occur between June through August of 2015, which are slower months for the hotel.

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

n/a

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

n/a

**8.** An explanation of the means of financing: Departmental Cash – Unexpended Plant Fund (\$1,728,000) and F&A Funds (\$600k)

#### 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)

	BIENNIUM 2	2015 - 2017				
DEPARTMENT and DIVISION:	UNC Chapel Hill				10/27/2014	
PROJECT IDENTIFICATION:	Carolina Inn, Restau	rant and Bar F	Renovation			
PROJECT CITY or LOCATION:	Chapel Hill					
PROJECT DESCRIPTION & JUSTIFICATIO	· · · · · · · · · · · · · · · · · · ·	ecessary to indic	ate need, size, fun	ction of improve	ements as well as a master	plan.)
This project will renovate the existing restau						
be part of the project.			- 1			•
(Definitions/explanations are provided on pg 2 to		this form.)				
CURRENT ESTIMATED CONSTRUCTION	COST		QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement						\$0
B. Site Preparation			· · · · · · · · · · · · · · · · · · ·	1		\$0
<ol> <li>Demolition</li> <li>Site Work</li> </ol>						\$0
C. Construction			L	I	<u> </u>	
1. Utility Services						\$0
2. Building Construction (new space	ce)				· · · · ·	\$0
3. Building Construction (existing)			12000	Sq. Ft.	\$ 135.78	\$1,629,348
4. Plumbing (new space)						\$0
5. HVAC (new space)						\$0
6. Electrical (Includes TV & Radio	•					\$0
7. Fire Supression and Alarm Syst	ems					\$0
8. Telephone, Data, Video			4	Lump Sum	\$ 114,000.00	\$0 \$114,000
9. Associated Construction Costs			•	Lamp Sam	φ 114,000.00	
10. Other:		-			L	\$0
D. Equipment						\$0
1. Fixed 2. Moveable			1	Lump Sum	\$ 281,000.00	
ESTIMATED CONSTRUCTION COSTS				Lamp Cam	201,000100	\$2,024,348
Items below may be calculated by percentage or I	umn sum. If using lump	sum, make entry	in \$ field.			4,0
Reno belon may be extended by percentage of		oung muno onn j				
DESIGN FEE	10 %	(% of Estimate	d Construction C	Costs)		\$202,434.80
PRECONSTRUCTION COSTS	%	(% of Estimate	d Construction C	Costs [1% for (	CM@Risk] )	\$0
COMMISSIONING	%	•	1.0% moderate;	1.5% complex	;)	\$0
SPECIAL INSPECTIONS/MATERIALS	%	(1.25% estima				\$0
SUSTAINABILITY	%	(3% LEED Gol	ld, 2% LEED Silv	er)		\$0
ADVANCE PLANNING	%		amming, feasibili d Construction C			\$0
CONTINGENCIES	5 %	(% of Estimate	d Construction C	inste 13% Neu	or 5% R&R1)	\$101,217
	onstruction Costs + Cont				or one roang y	\$2,328,000
Escalation = percent per month multiplied by		5	5 ,			f
(From Est. Date to mid-point of construction) =		0		0	% per month	
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35	mos = .12%; 36-47 mos = .16	i%; 48-60 mos = .18	3%			
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m			%; 36-47 mos = .36%	6; 48-60 mos = .3	38%	<u>^</u>
ESCALATION COST INCREASE (Total of E	Estimated Costs x Esca	lation %)				\$0
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Esc	alation Cost Incre	ase)			\$2,328,000
APPROVED BY: Director of Facilities Planning and Design 10/27/14					<u>10/27/14</u>	
(Governing Board or Age	ncy Head)					

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

Institution:	The University of North Carolina at Chapel Hill	Advance Planning Request New Capital Project*:	x				
Increase in Authorizat	ion from: \$_0 to <u>\$1,200,000</u>						
Project Title: Ehringhaus, Hinton James, and Carmichael Residence Halls – Roof Replacement							

Project Cost: <u>\$1,200,000</u>

Source of Funds: Housing Trust Fund – Housing Facilities Projects

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

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

- 1. Provide detailed description and justification: The roofs, built-up flat roofs, in Ehringhaus, Hinton James and Carmichael Residence Halls are over 23 years of age, past the normal useful life of 20 years, and are in need of replacement.
- 2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (Answer for capital construction only and include a completed OC-25 form)

See attached OC-25 form .

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

Total Project Cost				
\$1,200,000				
	Cash Flow E	stimate for To	tal Project Cost	
By End of:	2Q 2014-15	3Q 2014-15	4Q 2014-15	TOTAL
Expected Expenditure	\$120,000	\$540,000	\$540,000	\$1,200,000

- 4. An estimated schedule for the completion of the project: Begin date- December 2014; completion date – June 2015
- 5. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):

n/a

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

n/a

7. An explanation of the means of financing: Housing Trust Fund – Housing Facilities Projects

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

DEPARTMENT and DIVISION:	UNC Chapel Hill					10/27/2014	
PROJECT IDENTIFICATION:	Ehringhaus, Hinton	James and Car	michael Reside	ence Halls, F	Roof Rep		
PROJECT CITY or LOCATION:	Chapel Hill						
PROJECT DESCRIPTION & JUSTIFICATI	ON: (Attach add'i data as r	ecessary to indicate	e need, size, functi	on of improvem	ents as w	ell as a master pla	n.)
This project will replace the existing roofs a						•	
	•						
(Definitions/explanations are provided on pg 2 to	assist in completion of t	his form.)					
CURRENT ESTIMATED CONSTRUCTION	COST		QTY	UNIT	COS	T PER UNIT	TOTAL
A. Land Requirement							\$0
B. Site Preparation							
1. Demolition							\$0
2. Site Work							\$0
C. Construction		,		r	r		
1. Utility Services							\$0
<ol><li>Building Construction (new spa </li></ol>							\$0
<ol><li>Building Construction (existing)</li></ol>			63,500	SF	\$	14.80	\$939,800
4. Plumbing (new space)							\$0
5. HVAC (new space)	Olu Ba						\$0
6. Electrical (Includes TV & Radio							\$0 \$0
<ol> <li>Fire Supression and Alarm Sys</li> <li>Telephone, Data, Video</li> </ol>	terns				<u> </u>		\$0
9. Associated Construction Costs		-	1	Lump Sum	\$	104,000.00	
10. Other:			•		Ψ	104,000.00	\$0
		Ł		l			<u>ېل</u> ې
D. Equipment 1. Fixed		1		[	I		\$0]
2. Moveable		ŀ					\$0
ESTIMATED CONSTRUCTION COSTS		L					\$1,043,800
Items below may be calculated by percentage or lu	mp sum. If using lump s	um, make entry in	\$ field.				
DESIGN FEE	9%	/% of Estimator	Construction Co	nefe)			\$93,942.00
PRECONSTRUCTION COSTS	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	•	Construction Co	•	M@DieW	\ \	\$0
COMMISSIONING	%	•	.0% moderate; 1	-		/	\$0
SPECIAL INSPECTIONS/MATERIALS	%	(1.25% estimate		.o /a complex)			\$0
SUSTAINABILITY	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	•	, 2% LEED Silve	<b>1</b> 1			\$0
-				'			ΨΨ
ADVANCE PLANNING	%		mming, feasibility I Construction Co	-			\$0
-		•		•			\$52,190
CONTINGENCIES	<u> </u>	(% of Estimated	Construction Co	DSIS 13% INEW	OF 3% R	&r()	φ <u></u> υ2,190
ESTIMATED COSTS (% of Estimated Co	onstruction Costs + Conti	ingencies + Desig	n Fee)				\$1,189,932
Escalation = percent per month multiplied by			·			· ·	
(From Est. Date to mid-point of construction) =		20	months	0.04	% per n	nonth	
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35		16%; 48-60 mos = .1	8%				
Uselih Bidae: $0.5 \text{ mag} = 100/16 11 \text{ mag} = 22.04 12 17$	non - 760/+19.72 mar - 76	10/+ 24 25 mag = 32	X+76 17 mag - 26	% · 19 60 mag -	200/		
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 (			70, 00-47 HIUS00	%, 40-00 IIAUS -	.30%	I	\$9,519
ESCALATION COST INCREASE (Total of I	ESIMALEO COSIS X ESCA	Hauon 70)				Į	\$3,513
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Esc	alation Cost Increas	e)				\$1,199,451
APPROVED BY:	$\gamma$	*	Director of Facilitie	s Planning and	Desian		10/27/14
(Governing Board or Ager	cy Head)			er isenning und			
	- /						
•							

# New Capital Improvement Project Consultation Required per Section 6.5. (d)(4) of S.L. 2011-145<sup>1</sup>

Department/Institution: University of North Carolina at Chapel Hill Advance Planning Request:							
	New Capital Projects: X						
Project Title: Energy Efficiency Program, Chapman Hall, ITS Manning, and Glaxo Building							
Project Cost: <u>\$1,355,000</u>	Project Cost: \$1,355,000						
Source of Funds: Energy Savings Carry Forward (1292 funds)							

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

1. A detailed project description and justification:

Implement energy conservation measures at Chapman Hall, ITS Manning and Glaxo Building.

- **2.** An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (Answer for capital construction only): See Attached OC-25
- 3. An estimated schedule of cash flow requirements over the life of the project (Answer for capital construction only):

TPC											
\$ 1,355,000	)										
Cash Flow Estimate for Total Project Cost											
By End of:	4Q 2014-15	1Q 2015-16	2Q 2015-16	3Q 2015-16	4Q 2015-16	1Q 2016-17	2Q 2016-17	3Q 2016-17	4Q 2016-17	1Q2017-18	Check
Expected Expenditure	\$ 67,750	\$ 67,750	\$ 67,750	\$ 94,850	\$ 135,500	\$ 176,150	\$ 203,250	\$ 271,000	\$ 135,500	\$ 135,500	\$ 1,355,000

- 4. An estimated schedule for the completion of the project: Begin design: June 2015 Complete construction: July 2017
- 5. An estimate of maintenance and operating 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): None
- 7. An explanation of the means of financing: Energy Savings Carry Forward (1292 funds)

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

DEPARTMENT and DIVISION:	UNC Chapel Hill					10/27/2014	
PROJECT IDENTIFICATION:	Energy Efficiency P	rogram, Chapn	nan Hall, ITS Ma	anning and G	ilaxo Bui	ding	
PROJECT CITY or LOCATION:	Chapel Hill						
PROJECT DESCRIPTION & JUSTIFICATIO						well as a master pl	an.)
This project will implement energy conservation	ion measures at Chaj	oman Hall, ITS	Manning and G	laxo Building			
(D. C. W		· · · · · · · · · · · · · · · · · · ·					
(Definitions/explanations are provided on pg 2 to CURRENT ESTIMATED CONSTRUCTION		this form.)		UNIT		PER UNIT	TOTAL
A. Land Requirement	5051		GII		0001		\$0
B. Site Preparation				I	<u> </u>		ΨŪ
1. Demolition			<b></b>				\$0
2. Site Work							\$0
C. Construction			J	I			
1. Utility Services							\$0
2. Building Construction (new spac	e)						\$0
3. Building Construction (existing)			266,459.00	Sq. Ft.	\$	3.75	\$998,838
4. Plumbing (new space)							\$0
5. HVAC (new space)	24 - 19 - X		:				\$0 \$0
6. Electrical (Includes TV & Radio S	•						\$0
<ol> <li>Fire Supression and Alarm Syste</li> <li>Telephone, Data, Video</li> </ol>	ans						\$0
9. Associated Construction Costs			1	Lump Sum	\$	171,000.00	\$171,000
10. Other:				,	,		\$0
D. Equipment			<u> </u>		I	ł.	
1. Fixed				Lump sum			\$0
2. Moveable				Lump Sum			\$0
ESTIMATED CONSTRUCTION COSTS						`	\$1,169,838
Items below may be calculated by percentage or lu	imp sum. If using lump	sum, make entry	/ in \$ field.				
DESIGN FEE	9%	1% of Fetimate	ed Construction C	oete)		г	\$105,285
PRECONSTRUCTION COSTS	0 %	•	ed Construction C	•	M@Risk	ni F	\$0
COMMISSIONING	1%	•	1.0% moderate; 1	-		"	\$11,698
SPECIAL INSPECTIONS/MATERIALS	0 %	(1.25% estima			/	-	\$0
SUSTAINABILITY	0 %	, (3% LEED Go	ld, 2% LEED Silve	er)			\$0
-		Includes progr	amming, feasibilit	y, analysis			
ADVANCE PLANNING	0 %		ed Construction C				\$0
CONTINGENCIES	5 %	(% of Estimate	ed Construction C	osts [3% New	or 5% R	&R])	\$58,492
ESTIMATED COSTS (% of Estimated Co	nstruction Costs + Con	tinaencies + Des	sion Fee)			Γ	\$1,345,314
Escalation = percent per month multiplied by						Ľ	
(From Est. Date to mid-point of construction) =		18	months	0.04	% per m	onth	
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 n	nos = .12%; 36-47 mos = .16	5%; 48-60 mos = .1	8%				
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mo			%; 36-47 mos = .36%	; 48-60 mos = .3	18%	<b></b>	
ESCALATION COST INCREASE (Total of E	stimated Costs x Esca	alation %)					\$9,686
TOTAL ESTIMATE® PROJECT COSTS	(Estimated Costs + Esc	alation Cost Incre	ase)			Γ	\$1,355,000
	$1 \wedge -$	•	Dia 15	· DI. 1	10.1		0/07/14
APPROVED BY:	(V Head)		Director of Facilitie	s Planning and	I Design	<u>10</u>	0/27/14
(Governing Board or Agen	cy neauj						

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

Institution:	The University of North Carolina at Chapel Hill	Advance Planning Request New Capital Project*:	
Increase in Authorization	on from: \$_0 to <u>\$1,900,000</u>	New Capital Project <sup>*</sup> .	Δ
Project Title: Ehringha	us, Hinton James, and Carmichael Residence Halls – Eleva	ator Modernization	

Project Cost: \$1,900,000

Source of Funds: Housing Trust Fund – Housing Facilities Projects

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

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

- 1. Provide detailed description and justification: The elevators in Ehringhaus, Hinton James and Carmichael Residence Halls are in need of replacement. Modernizing the elevators will bring them up to current life safety standards as required by the NC Department of Labor; provide fire codes and Americans with Disabilities Act (ADA) compliance as well.
- 1. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (Answer for capital construction only and include a completed OC-25 form)

See attached OC-25 form .

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

Total Project Cost				
\$1,900,000				
	Cash Flow E			
By End of:	2Q 2015	3Q 2015	4Q 2015	TOTAL
Expected Expenditure	\$190,000	\$855,000	\$855,000	\$1,900,000

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

Begin – December 2014; Completion date: May 2015

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

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

DEP	٩RTI	MENT and DIVISION:	UNC Chapel Hill				_	10/27/2014			
PRO	JEC	T IDENTIFICATION:		James and C	I Carmichael Residence Halls, Elevator Modernization						
PRO	JEC.	T CITY or LOCATION:	Chapel Hill								
		T DESCRIPTION & JUSTIFICAT					ents as w	vell as a master plar	n.)		
This	proje	ct will address the ADA and othe	r code deficiencies for	all elevators i	n the three reside	ence halls.					
•		s/explanations are provided on pg 2 to		nis form.)							
CUR	REN	T ESTIMATED CONSTRUCTION	N COST		QTY	UNIT	COS	T PER UNIT	Т(	OTAL	
A.	La	and Requirement								\$0	
В.	S	ite Preparation									
	1.									\$0 \$0	
		Site Work				<u>.</u>				\$0	
C.	С	onstruction				-					
	1.	Utility Services								\$0	
	2.	· · ·								\$0	
	3.	<b>v</b>	)		7	Ea. Elev	\$	226,700.00		\$1,586,900	
	4.									\$0	
	5.									\$0	
	6.	•								\$0 \$0	
	7.		stems							\$0	
	8.	• • •								\$0	
	9.		3		1	Lump Sum	\$	75,000.00		\$81,000	
		0. Other:		_	L	I				\$0	
D.	E	quipment				r					
	1.	Fixed								\$0	
	2.									\$0	
EST	MA	FED CONSTRUCTION COSTS								\$1,667,900	
ltems	belov	v may be calculated by percentage or I	ump sum. If using lump s	um, make entry	in \$ field.						
						_				0400 400 00	
DESI			8%	•	ted Construction C					\$133,432.00	
		STRUCTION COSTS	%		ted Construction C	-	-	<])		\$0	
		SIONING	%	• •	; 1.0% moderate; 1	1.5% complex)	l			\$0 \$0	
		INSPECTIONS/MATERIALS	%	(1.25% estim	•					\$0	
SUS.	TAIN	ABILITY	%	(3% LEED G	old, 2% LEED Silve	er)				\$0	
				Includes proc	ramming, feasibilit	v. analysis					
ADV/	ANC	E PLANNING	%		ted Construction Co					\$0	
			E 0/							202 202	
CON	HNC	GENCIES	5 %	(% of Esuma	ted Construction Co	osts (3% New	0[ 0% F	(arij)		\$83,395	
										CA 004 707	
		•	Construction Costs + Cont	ngencies + Des	sign Fee)			l		\$1,884,727	
		n = percent per month multiplied b	-								
-		. Date to mid-point of construction)		2		0.04	% per	month			
Genera	al Bidg	is: 0-17 mos = 0%; 18-23 mos = .04%; 24-3	35 mos = .12%; 36-47 mos = .	16%; 48-60 mos =	.18%						
Haalth	Bidae	: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17	' mos = 26%; 18-23 mos = 24	9% · 24-35 mos =	33%: 36-47 mos = 36	3%; 48-60 mos =	38%				
		[ION COST INCREASE (Total of			0078,00 H 1100 - 100	, 10 00 moo ···	10070	Ì		\$15,078	
EOU	1041	TION COST INCREASE (TOTALO	Estimated Costs X Esti	Mation 70)				l		\$10,010]	
TOT	AL E	STIMATED PROJECT COSTS	6 (Estimated Costs + Esc	alation Cost Incre	ase)			]		\$1,899,805	
		11 0	1/1	•	-			L			
APPI	ROVI	ED BY: 1/10 h	1/		Director of Facilitie	s Planning and	Design		<u>10/27/14</u>		
		(Governing Board or Age	ncy Head)								
		• •									

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

Institution:	The University of North Carolina at Chapel Hill	Advance Planning Request	
Increase in Authorization	on from: \$_0 to <u>\$1,076,700</u>	New Capital Project*:	X
Project Title: <u>Structural</u>	l Repairs – Knapp Sanders and Abernethy Hall		
Project Cost: <u>\$1,076,7</u>	00		
Source of Funds: <u>F&amp;A</u>	Funds		

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

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

1. Provide detailed description and justification:

UNC Chapel Hill is committing F&A funds to address existing envelope deficiencies. Plans include re-sealing the building envelope at Knapp-Sanders and an envelope restoration at Abernethy Hall.

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

See attached OC-25 form.

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

TPC								
\$ 1,076,700								
Cash Flow Estimate for Total Project Cost								
By End of:	2Q 2014-15	3Q 2014-15	4Q 2014-15	1Q 2015-16	2Q 2015-16	3Q 2015-16	4Q 2015-16	Check
Expected Expenditure	\$ 96,903	\$ 96,903	\$ 96,903	\$ 161,505	\$ 161,505	\$ 247,641	\$ 215,340	\$ 1,076,700

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

Begin design: December 2014; Complete construction June 2016

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

na

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

n/a

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

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

	DIEININIOW 2	015-2017						
DEPARTMENT and DIVISION:	UNC Chapel Hill		10/27/2014					
PROJECT IDENTIFICATION:		(nann-Sander	Iers and Abernethy Hall					
PROJECT CITY or LOCATION:	Chapel Hill							
PROJECT DESCRIPTION & JUSTIFICATIO		vibral of vresseou	rate need size fun	ction of improve	ments as	well as a master n	lan.)	
This project will address the existing mason								
windows in Abernethy Hall with energy effici		ICIENCIES at M	iapp-Ganuers (1	01,04 i yaij i		epiace aii (110)	ongina noou	
willows in Aberneby Hai will energy end	GHE UNITO.							
(Definitions/explanations are provided on pg 2 to	o assist in completion of	this form )						
CURRENT ESTIMATED CONSTRUCTION		and toring	QTY	UNIT ***	COST	PER UNIT	TOTAL	
A. Land Requirement							\$0	
B. Site Preparation				I				
1. Demolition			[				\$0	
2. Site Work							\$0	
C. Construction								
1. Utility Services							\$0	
2. Building Construction (new spa	ce)						\$0	
3. Building Construction (existing)			131,941.00	Sq. Ft.	\$	3.65	\$482,000	
<ol><li>Plumbing (new space)</li></ol>							.\$0	
5. HVAC (new space)			I				\$0	
6. Electrical (Includes TV & Radio							\$0 \$0	
7. Fire Supression and Alarm Sys	tems						\$0	
8. Telephone, Data, Video				Lump Sum	5	100,000.00	\$100,000	
9. Associated Construction Costs			1	Windows	ş Ş	3,000.00	\$345,000	
	nent Windows		115	WINDOWS	Ŷ	3,000.00	ş040,000	
D. Equipment			1				\$0	
1. Fixed 2. Moveable							\$0	
ESTIMATED CONSTRUCTION COSTS							\$927,000	
items below may be calculated by percentage or	lumo cum lifucina lumo	eum maka antr	v in \$ field			L		
items below may be calculated by percentage of	iomh somr in genið iomh	Sum make enti	y m y neid.					
DESIGN FEE	9%	(% of Estimat	ed Construction C	Costs)		Г	\$83,430	
PRECONSTRUCTION COSTS	0 %		ed Construction C	()	\$0			
COMMISSIONING	0 %	(0.5% simple;	1.0% moderate;	\$0				
SPECIAL INSPECTIONS/MATERIALS	1.3 %	(1.25% estimation)	ated)	Γ	\$12,051			
SUSTAINABILITY	0 %	(3% LEED Go	old, 2% LEED Silv	/er)			\$0	
		Includes prog	ramming, feasibili	ity, analysis				
ADVANCE PLANNING	0 %		ed Construction C				\$0	
CONTINGENCIES	5 %	(% of Estimat	ed Construction C	Costs 13% Nev	vor 5% R	8RI )	\$46,350	
•		•					\$1,068,831	
•	onstruction Costs + Cont	lingencies + De	isign Fee)			L	\$1,000,001	
Escalation = percent per month multiplied by (From Est. Date to mid-point of construction) =		18	months	0.04	% per n	onth		
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35					, , , p or , ,			
				V. 10 CO man - 1	200/			
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 r			3%; 30-47 mos = .307	%; 48-00 £XOS =	30%	Г	\$7,696	
ESCALATION COST INCREASE (Total of	Estimated Costs X Esca	alation %)				Ĺ	\$7,000	
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Esc	calation Cost Incr	rease)			Γ	\$1,076,527	
11 - 1-						<u>.</u>	антин салантын түрүүн нэ сэйййлэлэл тайсан алтан түрүүн түрүүн	
APPROVED BY	- Y	-	Director of Faciliti	es Planning and	<u>d Design</u>	1	10/27/14	
(Governing Board or Age	ency Head)							
$\mathcal{O}$								

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

Institution:	The University of North Carolina at Chapel Hill	Advance Planning Request New Capital Project*: x
Increase in Authorizatio	n from: \$ <u>0</u> to <u>\$</u> 1,500,000	New Capital Project
Project Title: University	Master Plan	
Project Cost: <u>\$1,500,00</u>	00	
Source of Funds: F&A l	Funds	

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

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

1. Provide detailed description and justification:

UNC Chapel Hill is committing F&A funds to develop a University Master Plan integrating the campus' strategic plans for all University properties. The master plan will guide the physical growth and development of the UNC Chapel Hill campus for the next 20 years.

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

See attached OC-25 form.

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

TPC		15-Jun							
\$	1,500,000								
Cash Flow Estimate for Total Project Cost									
By End of:		4Q 2014-15	1Q 2015-16	2Q 2015-16	3Q 2015-16	4Q 2015-16	1Q 2016-17	2Q 2016-17	check
Expected Expend	diture	\$ -	\$ 75,000	\$ 75,000	\$ 150,000	\$ 300,000	\$ 600,000	\$ 300,000	\$ 1,500,000

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

Begin master plan design: June 2015; Completion date: December 2017

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

n/a

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

n/a

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

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

DEPA	RTMENT and DIVISION:	UNC Chapel Hill				10/27/2014	
	ECT IDENTIFICATION:	University Master P	an			•	
	ECT CITY or LOCATION:	Chapel Hill					
	ECT DESCRIPTION & JUSTIFICAT	TION: (Attach add'i data as n	ecessary to indica	te need, size, funct	ion of improvem	ents as well as a master pla	n.)
Develo	pp a University Master Plan integrat	ing the campus' strategi	c plan for Sust	ainability to incl	ude all Unive	rsity properties. The M	laster Plan will focus on
facilitie	es, preservation of natural resources	s, infrastructure including	transportatio	n and parking, ι	utilities, storm	water, pedestrian and	
identif	y economic development opportunit	ies as well as incorporat	ing the Town (	of Chapel Hill 20	020 and the T	TA Light Rail Plan.	
	ions/explanations are provided on pg 2		is form.)				
	ENT ESTIMATED CONSTRUCTIO	N COST		QTY	UNIT	COST PER UNIT	
А.	Land Requirement						\$0
В.	Site Preparation			t			
	1. Demolition			<b></b>			\$0 \$0
~	2. Site Work			L	<u> </u>		<u>۵</u> ۵
C.	Construction			[	1		\$0
	1. Utility Services	2000)					\$0
	<ol> <li>Building Construction (new sp</li> <li>Building Construction (existing</li> </ol>						\$0
	4. Plumbing (new space)	9)					\$0
	5. HVAC (new space)						\$0 \$0
	<ol> <li>Electrical (Includes TV &amp; Rad</li> </ol>	io Studio)					\$0
	7. Fire Supression and Alarm Sy						\$0
	8. Telephone, Data, Video						\$0
	9. Associated Construction Cost						\$0
	•	s, printing and					
_		iction and other costs	-		1		\$100,000
D.	Equipment			1	1	1	60
	1. Fixed			<b></b>			\$0 \$0
COTIN	2. Moveable	•		L			\$100,000
			m maka antar ir	t field			\$100,000
items D	elow may be calculated by percentage or	tomp som, it using tomp so	in, nave éna y n	i ș lielu.			
DESIG	IN FEE	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	(% of Estimate	ed Construction C	costs)	,	\$1,400,000
	ONSTRUCTION COSTS	%	•	ed Construction C	•	M@Riskl)	\$0
	AISSIONING	%	•	1.0% moderate;	•	+ ••	\$0
	IAL INSPECTIONS/MATERIALS	%	(1.25% estima				\$0
	AINABILITY	%		id, 2% LEED Silv	ver)		\$0
			•	amming, feasibili			
ADVA	NCE PLANNING	%		ed Construction C			\$0
CONT	INGENCIES	%	(% of Estimate	ed Construction C	osts (3% New	or 5% R&R])	\$0
ESTIM	ATED COSTS (% of Estimated (	Construction Costs + Conti	ngencies + Desi	on Fee)			\$1,500,000
	ation = percent per month multiplied		igentaloo - o ooi	gii i 00)			,
	Est. Date to mid-point of construction			months		% per month	
•	Bidgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-		6%; 48-60 mos = .	-	• • • • • • • • • • • • • • • • • • •		
	-						
	lidgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-1			3%; 36-47 mos = .36	6%; 48-60 mos =	.38%	60
ESCA	LATION COST INCREASE (Total o	of Estimated Costs x Esca	lation %)				\$0
τοτα	L ESTIMATED PROJECT COST	S (Estimated Costs + Esca	lation Cost Increa	ise)			\$1,500,000
APPR	OVED BY: Governing Board or Ag	Jency Head)	-	Director of Facilitie	es Planning and	<u>Design</u>	<u>10/27/14</u>
	V V						

The University of North Carolina
<b>Request for New or Increase in Capital Improvement Project</b>

Institution:	The University of North Carolina at Chapel Hill	Advance Planning Request New Capital Project*: x					
Increase in Authorization	cation from: $\_0$ to $\_2,458,375$						
Project Title: <u>Repairs Schl of Dentistry, Davis Lib, Lineberger, &amp; Morehead</u> <u>Repairs to Electrical, Plumbing &amp; Heating, Ventilating &amp; Air-Conditioning Systems - 2014 R&amp;R</u>							
Project Cost: <u>\$2,45</u>	8,375						
Source of Funds: <u>F&amp;</u>	zA Funds						

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

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

1. Provide detailed description and justification:

UNC Chapel Hill is committing F&A funds to address needed HVAC repairs and renovations. Plans include replacing the vacuum system at the School of Dentistry buildings, replacing the HVAC spray coils at the Davis Library, and addressing the HVAC deficiencies at the Lineberger Cancer Center and Morehead Chemistry Laboratory.

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

See attached OC-25 form.

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

TPC												
\$ 2,458,375												
Cash Flow Estimate for Total Project Cost												
By End of:	2Q 2014-15	3Q 2014-15	4Q 2014-15	1Q 2015-16	2Q 2015-16	3Q 2015-16	4Q 2015-16	1Q 2016-17	2Q 2016-17	3Q 2016-17	4Q 2016-17	Check
Expected Expenditure	\$ 122,919	\$ 122,919	\$ 122,919	\$ 122,919	\$ 307,297	\$ 307,297	\$ 307,297	\$ 307,297	\$ 245,838	\$ 245,838	\$ 245,838	\$ 2,458,375

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

Begin design: November 2014; Complete construction May 2016

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

na

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

n/a

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

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

DEP/	ARTMENT and DIVISION:	UNC Chapel Hill					10/27/2014		
		Repairs to electrical,	, plumbing and	HVAC, School	of Dentistry,	Davis Lib	rary, Lineberg	ger Cancer	r Center and
	JECT IDENTIFICATION:	Morehead Chemistr	y Laboratory						
	JECT CITY or LOCATION:	Chapel Hill							
	JECT DESCRIPTION & JUSTIFICATI								
	project will replace the vacuum system			replace the HVA	C spray coils	s at the D	avis Library a	nd addres	s the HVAC
defici	encies at Lineberger Cancer Center a	nd Morehead Chemistr	y Laboratory.						
(Dofin	itions/explanations are provided on pg 2	to assist in completion of	this form )						
•	RENT ESTIMATED CONSTRUCTION		and torning	QTY	UNIT	COST	PER UNIT	T T	OTAL • •
A.	Land Requirement								\$0
В.	Site Preparation								
	1. Demolition								\$0
	2. Site Work								\$0
C.	Construction				_				
	1. Utility Services								\$0
	2. Building Construction (new spa								\$0
	3. Building Construction (existing	)		714,924.00	Sq. Ft.	\$	2.68		\$1,918,711
	4. Plumbing (new space)								\$0
	5. HVAC (new space)	<b>C</b> (1)		· ·					\$0 60
	6. Electrical (Includes TV & Radio								\$0 \$0
	7. Fire Supression and Alarm Sy	stems							\$0 \$0
	<ol> <li>Telephone, Data, Video</li> <li>Associated Construction Costs</li> </ol>			1	Lump Sum	\$	180,000.00		\$180,000
	10. Other:	>			Lamp Cam	Ÿ			\$0
D.	Equipment		-						ŶŶ
	-1. Fixed				Lump sum				\$0
	2. Moveable				Lump Sum				\$0
ESTI	MATED CONSTRUCTION COSTS				•				\$2,098,711
ltems	below may be calculated by percentage o	r lump sum. If using lump	sum, make entry	/ in \$ field.					
DESI	GN FEE	9%	(% of Estimate	ed Construction C	Costs)				\$188,884
	CONSTRUCTION COSTS	0 %	•	ed Construction C		CM@Riskl	)		\$0
	MISSIONING	1 %	•	1.0% moderate;	-		, 		\$20,987
	CIAL INSPECTIONS/MATERIALS	1.3 %	(1.25% estima						\$27,283
SUST	TAINABILITY	0 %	(3% LEED Go	ld, 2% LEED Silv	/er)				\$0
			Includes progr	amming, feasibili	ity, analysis				
ADV	NCE PLANNING	0 %		ed Construction C					\$0
CON	TINGENCIES	5 %	(% of Estimate	ed Construction C	Costs (3% New	vor 5% R8	RI)		\$104,936
			•						\$2,440,801
	MATED COSTS (% of Estimated ( ation = percent per month multiplied b	Construction Costs + Cont	ungencies + Des	sign ree)					ΨΖ,440,001
	Est. Date to mid-point of construction)		18	months	0.04	% per m	onth		
	I Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-3			-					
	Bidgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17				%; 48-60 mos = .3	38%			
	LATION COST INCREASE (Total of			,					\$17,574
			·				1		
TOT	AL ESTIMATED PROJECT COST	(Estimated Costs + Esc	calation Cost Incre	ease)					\$2,458,375
		$\mathcal{N}$		Director of Faciliti	es Planning on	t Nesian		10/27/14	
AFE	(Governing By ard or Ag	ency Head)	-	DIRECTOR OF LACHILE	oo nonnaig diis	r <del>Dosidi</del> i			
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# 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 Authorizati	on from: \$ to \$	1 J				
Project Title: Student Counseling Center						
Project Cost: <u>\$4,000,0</u>	00					
Source of Funds: Instit	utional Trust Funds					

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

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

1. A detailed project description and justification:

The proposed Student Counseling Center will provide clinical and wellness services to students. Currently, the counseling function is housed in the Atkins Library. Both library and counseling functions need to expand so, counseling requires a new location. A new building adjacent the existing Student Health Center will provide for needed expansion, integrating in one area counseling, student health, and wellness services.

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

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

FY15 QTR 2	\$43,300	FY15 QTR 3	\$43,300	FY15 QTR 4	\$43,300
FY16 QTR 1	\$506,250	FY16 QTR 2	\$506,250	FY16 QTR 3	\$506,250
FY16 QTR 4	\$506,250	FY17 QTR 1	\$805,000	FY17 QTR 2	\$805,000

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

Design Start	6/1/2015	Construction Start	1/1/2016
Construction Complete	1/1/2017	Occupy	1/31/2017

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	\$ 202,580	Fiscal Year 2021	\$ 164,778
Fiscal Year 2019	\$ 164,778	Fiscal Year 2022	\$ 164,778
Fiscal Year 2020	\$ 164,778		

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:

Institutional Trust Funds - cash on hand.



# North Carolina **Department of Administration**

Pat McCrory, Governor Bill Daughtridge, Jr., Secretary

State Construction Office Gregory A. Driver, PE, Director

OC-25: 201360500531 Proposed Capital Improvement Project Biennium: 2011-2013

STATE DEPARTMENT: INSTITUTION OR AGENCY: PROJECT IDENTIFICATION: PROJECT TYPE: CLASSIFICATION:

Educational Institutions (Universities) **UNC** Charlotte Student Counseling Center Multi-purpose Bldg. New Facilities

PROJECT DESCRIPTION AND JUSTIFICATION: The proposed Student Counseling Center will provide clinical and wellness services to students. Currently, the counseling function is housed in the Atkins Library. Both library and counseling functions need to expand so, counseling requires a new location. A new building adjacent the existing Student Health Center will provide for needed expansion, integrating in one area counseling, student health, and wellness services.

ITEM	QTY	UNIT	COST PER UNIT	TOTAL
Project Support	1.0	Lump Sum	\$10,000	\$10,000
Site Demolition	13000.0	Square Feet	\$2	\$26,000
Site Work	13000.0	Square Feet	\$10	\$130,000
Utility Services	10800.0	Square Feet	\$15	\$162,000
Building Demolition	10000.0	Square Feet	\$8	\$80,000
Building Construction	10800.0	Square Feet	\$150	\$1,620,000
Building Plumbing	10800.0	Square Feet	\$30	\$324,000
Building HVAC	10800.0	Square Feet	\$30	\$324,000
Building Electrical	10800.0	Square Feet	\$30	\$324,000
Landscaping	13000.0	Square Feet	\$15	\$195,000
Telecommunications	10800.0	Square Feet	\$18.80	\$203,039.98
Fenced Compound	1.0	Lump Sum	\$12,000	\$12,000
Fixed Equipment	1.0	Lump Sum	\$20,000	\$20,000
Movable Equipment	1.0	Lump Sum	\$45,000	\$45,000
ESTIMATED CONSTRUCTION COST:				\$3,475,040

ESTIMATED CONSTRUCTION COST:

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: 201360500531

\$104,251 CONTINGENCIES 3% (% of Estimated Construction Costs [3% New or 5% R&R]) \$357,929 (% of Estimated Construction Costs + Contingencies) DESIGN FEE 10% \$35,792 **COMMISSIONING FEE** 1% (0.5% simple, 1% moderate, 1.5% complex) \$26,844 (includes programming, feasibility, analysis) 0.75% ADVANCE PLANNING \$0 FIXED OWNER COSTS \$3,999,856 (Estimated Construction Costs + Contingencies + Design Fee) **ESTIMATED COSTS** א אס כ Escalation %= percent per month multiplied by the number of months: AVC hes 10 (From Est, Date to mid-point of construction) = 21 months @ 0.00% orte CHARI

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

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

#### COMMENTS:

- 1. [2014-11-07 13:45:12] Laurie Mande Save
- 2. [2014-11-07 13:42:53] Laurie Mande Save
- 3. [2014-11-07 13:32:04] Laurie Mande Save
- 4. [2014-11-07 10:56:27] Laurie Mande Save

5. [2014-11-07 10:29:15] Laurie Mande - Copied from: Motorsports Building II

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 \$0

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\$4,000,000

# 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				
	on from: \$ to \$ brary Lane Improvements					
Project Cost: <u>\$498,000</u>						
Source of Funds: Institu	itional Trust Funds					

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

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

1. A detailed project description and justification:

This project improves accessibility, reduces pedestrian-vehicular conflict and improves safety on Library Lane which is a main entry way for students and service vehicles into the core of campus. The project includes roadway and pedestrian walkway improvements, ADA improvements, parking improvements, and storm drain replacement. The work incorporates brick and asphalt repaving, new planting and retaining walls and new hand rails.

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

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

FY15 Q	TR 2	\$49,800	FY15 QTR 3	\$224,100	FY15 QTR 4	\$224 100
1 I I J Q	1 K 2	φ-7,000	I I J QIK J	$\psi_{22}$ ,100		$\psi_{22}$ ,100

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

Design Start	12/01/14	Construction Start	03/01/15
Construction Complete	06/30/15	Occupy	N/A

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

N/A

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

N/A

6. An explanation of the means of financing:

Institutional Trust Funds - cash on hand.



# North Carolina Department of Administration

Pat McCrory, Governor Bill Daughtridge, Jr., Secretary

State Construction Office Gregory A. Driver, PE, Director

OC-25: 201360500532 **Proposed Capital Improvement Project** Biennium: 2011-2013

STATE DEPARTMENT: INSTITUTION OR AGENCY: **PROJECT IDENTIFICATION:** PROJECT TYPE: **CLASSIFICATION:** 

Educational Institutions (Universities) **UNC** Charlotte North Library Lane Improvements ADA Renovations Other

PROJECT DESCRIPTION AND JUSTIFICATION: This project improves accessibility, reduces pedestrian-vehicular conflict and improves safety on Library Lane which is a main entry way for students and service vehicles into the core of campus. The project includes roadway and pedestrian walkway improvements, ADA improvements, parking improvements, and storm drain replacement. The work incorporates brick and asphalt repaying, new planting and retaining walls and new hand rails.

ITEM	QTY	UNIT	COST PER UNIT	TOTAL
11. Project Support	1.0	Lump Sum	\$3,000	\$3,000
2. Site Work	1.0	Lump Sum	\$370,900	\$370,900
2. Building Construction (new space)	1.0	Lump Sum	\$5,000	\$5,000
9. Associated Construction Costs	1.0	Lump Sum	\$50,410	\$50,410
ESTIMATED CONSTRUCTION COST:				\$429,310

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: 201360500532

Escalation %= percent per month multipli (From Est, Date to mid-point of construct)			
ESTIMATED COSTS		ed Construction Costs + Design Fee + Preconstruction + Commissioning	\$497,999
CONTINGENCIES	5%	(% of Estimated Costs [3% New or 5% R&R])	\$21,465
ADVANCE PLANNING	1%	(% of Estimated Costs - includes programming, feasibility, analysis)	\$4,293
SUSTAINABILITY	0%	(3% LEED Gold, 2% LEED Silver)	\$0
SPECIAL INSPECTIONS/MATERIALS	0%	(1.25% Estimated)	\$0
COMMISSIONING FEE	0%	(0.5% simple, 1% moderate, 1.5% complex)	\$0
PRECONSTRUCTION COSTS	0%	(% of Estimated Construction Costs [1% for CM@Risk])	\$0
DESIGN FEE	10%	(% of Estimated Construction Costs)	\$42,931

(From Est, Date to mid-point of construction) = <u>18</u> months @ <u>0.00%</u> ESCALATION COST INCREASE = (Total of Estimated Construction Costs x Escalation %)

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

#### COMMENTS:

1. [2014-11-07 14:20:29] Laurie Mande - Save

2. [2014-11-07 14:07:59] Laurie Mande - Save

3. [2014-11-07 13:57:57] Laurie Mande - Copied from: South Entrance Intersection Improvements

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

\$498,000

\$0

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# 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 Authorizatio	on from: \$ to \$	1 J			
Project Title: Kennedy	Emergency Generator				
Project Cost: \$500,000					
Source of Funds: Institu	itional Trust Funds				

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

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

1. A detailed project description and justification:

Emergency generator is required to insure business continuity for Information Technology Services (ITS) operations in this building. Project includes associated site improvements and a screen wall around the generator.

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

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

FY15 QTR 2	\$50,000	FY15 QTR 3	\$225,000	FY15 QTR 4	\$225,000

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

Design Start	11/01/14	Construction Start	03/01/15
Construction Complete	06/30/15	Occupy	N/A

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

N/A

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

N/A

6. An explanation of the means of financing: Institutional Trust Funds – cash on hand.



# North Carolina Department of Administration

Pat McCrory, Governor Bill Daughtridge, Jr., Secretary

State Construction Office Gregory A. Driver, PE, Director

OC-25: 201360500530 **Proposed Capital Improvement Project** Biennium: 2011-2013

STATE DEPARTMENT: INSTITUTION OR AGENCY: **PROJECT IDENTIFICATION:** PROJECT TYPE: **CLASSIFICATION:** 

Educational Institutions (Universities) **UNC Charlotte** Kennedy Emergency Generator Electrical Deferred/Preventive Maintenance

PROJECT DESCRIPTION AND JUSTIFICATION: Emergency generator is required to insure business continuity for Information Technology Services (ITS) operations in this building. Project includes associated site improvements and a screen wall around the generator.

ITEM	ΩΤΥ	UNIT	COST PER UNIT	TOTAL
11. Project Support	1.0	Lump Sum	\$3,000	\$3,000
2. Site Work	1.0	Lump Sum	\$25,000	\$25,000
2. Building Construction (new space)	1.0	Lump Sum	\$50,000	\$50,000
6. Electrical	1.0	Lump Sum	\$360,598	\$360,598
ESTIMATED CONSTRUCTION COST:		•		\$438,598

ESTIMATED CONSTRUCTION COST:

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: 201360500530

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	Cotimo	ed Construction Costs + Escalation Cost increase)	\$500,000
Escalation %= percent per month multipl (From Est, Date to mid-point of construct ESCALATION COST INCREASE = (Tot	ed by the ion) = <u>0</u> n	ionths@0.00% PHIL/JONES, AVC FFI	\$0
ESTIMATED COSTS	•	ed Construction Costs + Design Fee + Preconstruction + Commissioning	\$500,000
CONTINGENCIES	5%	(% of Estimated Costs [3% New or 5% R&R])	\$21,929
ADVANCE PLANNING	0%	(% of Estimated Costs - includes programming, feasibility, analysis)	\$0
SUSTAINABILITY	0%	(3% LEED Gold, 2% LEED Silver)	\$0
SPECIAL INSPECTIONS/MATERIALS	0%	(1.25% Estimated)	\$0
COMMISSIONING FEE	0%	(0.5% simple, 1% moderate, 1.5% complex)	\$0
PRECONSTRUCTION COSTS	0%	(% of Estimated Construction Costs [1% for CM@Risk])	\$0
DESIGN FEE	9%	(% of Estimated Construction Costs)	\$39,473

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

COMMENTS:

- 1. [2014-11-07 09:36:48] Laurie Mande Save 2. [2014-11-07 09:27:07] Laurie Mande - Save 3. [2014-11-07 09:22:04] Laurie Mande - Save 4. [2014-11-07 09:21:42] Laurie Mande - Save
- 5. [2014-11-07 09:14:23] Laurie Mande Save 6. [2014-11-07 09:11:01] Laurie Mande - Save

7. [2014-11-07 09:03:03] Laurie Mande - Save

8. [2014-11-07 08:50:22] Laurie Mande - Copied from: Campus Wide Emergency Generator Upgrades

# 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 Authori	zation from: \$ to \$	
Project Title: Outd	oor Events Shelter	
Project Cost: <u>\$1,20</u>	00,000	
Source of Funds: In	astitutional Trust Funds	

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

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

1. A detailed project description and justification:

This project is to construct an 8,000 square foot pre-engineered steel pavilion and an adjacent toilet facility for university outdoor functions. The structures will be located in an open area along the pedestrian path from main campus to the football stadium. The area currently provides space for university outdoor events with rented event tents and temporary restrooms. It is more cost effective over the long term to build permanent structures than to continue to rent tents and temporary rest room facilities. The structures will be used throughout the year for student, faculty and staff events.

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

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

FY15 QTR 2	\$120,000	FY15 QTR 3	\$540,000	FY15 QTR 4	\$540.000
1115 QIK 2	$\psi_{120,000}$	I I I J QIN J	$\psi_{2}$ +0,000	1 1 1 J Q I K +	$\psi_{3+0,000}$

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

Design Start	11/1/2014	Construction Start	4/1/2015
Construction Complete	8/1/2015	Occupy	8/31/2015

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

Fiscal Year 2016	\$81,261	Fiscal Year 2018	\$80,030
Fiscal Year 2017	\$80,030	Fiscal Year 2019	\$80,030
Fiscal Year 2018	\$80,030		

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:

Institutional Trust Funds - cash on hand.



# North Carolina Department of Administration

Pat McCrory, Governor Bill Daughtridge, Jr., Secretary

State Construction Office Gregory A. Driver, PE, Director

OC-25: 201360500533 **Proposed Capital Improvement Project** Biennium: 2011-2013

STATE DEPARTMENT: INSTITUTION OR AGENCY: **PROJECT IDENTIFICATION: PROJECT TYPE: CLASSIFICATION:** 

Educational Institutions (Universities) **UNC** Charlotte **Outdoor Events Shelter** Other **New Facilities** 

PROJECT DESCRIPTION AND JUSTIFICATION: This project is to construct an 8,000 square foot pre-engineered steel pavilion and an adjacent toilet facility for university outdoor functions. The structures will be located in an open area along the pedestrian path from main campus to the football stadium. The area currently provides space for university outdoor events with rented event tents and temporary restrooms. It is more cost effective over the long term to build permanent structures than to continue to rent tents and temporary rest room facilities. The structures will be used throughout the year for student, faculty and staff events.

ITEM	QTY	UNIT	COST PER UNIT	TOTAL
Project Support	1.0	Lump Sum	\$5,000	\$5,000
Site Work	8000.0	Square Feet	\$12.80	\$102,400
Utility Services	8000.0	Square Feet	\$13	\$104,000
Building Construction	8000.0	Square Feet	\$45	\$360,000
Building Plumbing	8000.0	Square Feet	\$15	\$120,000
Building HVAC	8000.0	Square Feet	\$15	\$120,000
Building Electrical	8000.0	Square Feet	\$28	\$224,000
Landscaping	1.0	Lump Sum	\$9,003	\$9,003
Olher	1.0	Lump Sum	\$485	\$485
Fixed Equipment	8000.0	Square Feet	\$1	\$8,000
ESTIMATED CONSTRUCTION COST:				\$1,044,888

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: 201360500533	Page - 2
CONTINGENCIES	3% (% of Estimated Construction Costs [3% New or 5% R&R])	\$31,346
DESIGN FEE	10% (% of Estimated Construction Costs + Contingencies)	\$107,623
COMMISSIONING FEE	0.5% (0.5% simple, 1% moderate, 1.5% complex)	\$5,381
ADVANCE PLANNING	1% (includes programming, feasibility, analysis)	\$10,762
FIXED OWNER COSTS		\$0
ESTIMATED COSTS	(Estimated Construction Costs + Contingencies + Design Fee)	\$1,200,000
(From Est, Date to mid-poin	month multiplied by the number of months: nt of construction) = $\underline{12}$ months @ $\underline{0.00\%}$ REASE = (Total of Estimated Construction Costs x Escalation %)	<u>14</u> \$0
TOTAL ESTIMATED PRO	DJECT COSTS (Estimated Construction Costs + Escalation Cost increase)	\$1,200,000

#### COMMENTS:

1. [2014-11-07 15:22:16] Laurie Mande - Save

2. [2014-11-07 15:19:20] Laurie Mande - Save

3. [2014-11-07 14:36:42] Laurie Mande - Copied from: Parking Deck J

Mailing Address: 1307 Mail Service Center Raleigh, N.C.27699-1307 Telephone (919) 807-4100 Fax (919) 807-4110 State Courier #56-02-01 An Equal Opportunity/Affirmative Action Employer

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

The University of North Carolina Request for New or Increase in Capital Improvement Project			
Institution:	East Carolina University	Advance Planning Request: X New Capital Project*:	
Increase in Authoriza	ation from: \$ <u>0</u> to <u>\$250,000</u>		
Project Title:	Dowdy Ficklen Stadium Press Box Reno	ovation and Expansion	
	(ECU Priority #6 in the 2015-21 Non-Ap	ppropriated Capital Request)	
Project Cost:	\$50,000,000		
Source of Funds:	Athletics receipts and gifts		

\*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code: 40536 Item: 311

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

1. A detailed project description and justification:

This request is for program planning for an expansion of Dowdy Ficklen Stadium. Advance planning for this project was previously authorized and completed under Code 40536 Item 311. That project is now closed.

The scope of this request includes review and update of the previous study and development of a final program to include phasing and cost estimates for the project. Upon completion of this work a request may be made to proceed directly into project design.

The project scope will include renovation and expansion of press box facilities, development of academic support space for student athletes, development of a variety of seating and suite style options for fans, donors and alumni, create new support space for sports medicine, the Pirate Club, ticket office, kitchen and vending areas and create additional office space to accommodate departmental growth.

# NOTE: An update for the proposed schedule listed below will be made at a later date based on the outcome of the Advance Planning study, final estimated project cost and development of the final financial proforma.

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

An OC-25 is included with this request.

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

Cash flow requirements will be developed as a part of the advance planning study.

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

Construction to begin January 15, 2017 and complete by July 31, 2018

- 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): Maintenance and operating costs will be developed as a part of the advance planning study.
- 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):

Estimated revenues will be developed following completion of the advance planning study.

7. An explanation of the means of financing: Athletics gifts and receipts

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

**DEPARTMENT and DIVISION:** East Carolina University DATE: 10/30/14 PROJECT IDENTIFICATION: Dowdy Ficklen Stadium Press Box Expansion and Renovation PROJECT CITY or LOCATION: Greenville, NC

PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'I data as necessary to indicate need, size, function of improvements as well as a master plan.) This request is for program planning for an expansion of Dowdy Ficklen Stadium. Advance planning for this project was

previously authorized and completed under Code 40536 Item 311. That project is now closed. The scope of this request includes review and update of the previous study and development of a final program to include phasing and cost estimates for the project. Upon completion of this work a request may be made to proceed directly into project

design. The project scope will include renovation and expansion of press box facilities, development of academic support space for student athletes, development of a variety of seating and suite style options for fans, donors and alumni, create new support space for sports medicine, the Pirate Club, ticket office, kitchen and vending areas and create additional office space to accommodate departmental growth.

QTY

UNIT

1 | s

107000 sf

107000 sf

107000 sf

\$

\$

\$

\$

\$

CURRENT ESTIMATED CONSTRUCTION COST

- Α. Land Requirement
- В. Site Preparation
  - 1. Demolition
  - 2. Site Work
- C. Construction
  - 1. Utility Services
  - 2. Building Construction (new space)
  - 3. Building Construction (existing)
  - 4. Plumbing (new space)
  - 5. HVAC (new space)
  - 6. Electrical (Includes TV & Radio Studio)
  - 7. Fire Supression and Alarm Systems
  - 8. Telephone, Data, Video
  - Associated Construction Costs 9.
  - 10. Other:
- D. Equipment
  - 1. Fixed
  - 2. Moveable

#### ESTIMATED CONSTRUCTION COSTS

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

DESIGN FEE PRECONSTRUCTION COSTS COMMISSIONING SPECIAL INSPECTIONS/MATERIALS SUSTAINABILITY	<u>1</u> % 1%	<ul> <li>(% of Estimated Construction Costs)</li> <li>(% of Estimated Construction Costs [1% for CM@Risk])</li> <li>(0.5% simple; 1.0% moderate; 1.5% complex)</li> <li>(1.25% estimated)</li> <li>(3% LEED Gold, 2% LEED Silver)</li> </ul>	\$3,690,773 \$380,492 \$380,492 \$475,615 \$0	
ADVANCE PLANNING	0.65 %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	\$247,320	
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$1,902,460	
ESTIMATED COSTS       (% of Estimated Construction Costs + Contingencies + Design Fee)       \$45,126,354         Escalation = percent per month multiplied by number of months       60 months       0.18 % per month         (From Est. Date to mid-point of construction) =       60 months       0.18 % per month         General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 mos = .16%; 48-60 mos = .18%       18%				
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos = .33%; 36-47 mos = .36%; 48-60 mos = .38%       \$4,873,646         ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %)       \$4,873,646         TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase)       \$50,000,000				
APPROVED BY:	lead)	<u>TITLE</u>	DATE	

\$0 \$0 \$0 7.75 \$829.250

TOTAL

\$0

\$0

\$0

\$0

\$0

\$900,000

\$2,700,000

\$29,425,000

\$2,247,000

Form OC-25

(Rev 09/14)

1 ls \$ 9	97,952.00 \$997,952

COST PER UNIT

900,000.00

275.00

21.00

2,700,000.00

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

Institution:	NC State University	Advance Planning Request: X New Capital Project*:
Increase in Author	prization from: \$ to \$	· · · · <u> </u>
Project Title: Ha	rrelson Hall Demolition	
Project Cost: <u>AP</u>	Request \$270,000 (Total Project Budget \$3,508	,000)
Source of Funds:	Carry Forward	
*If this project hat authority is carrie		ease 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:

Harrelson Hall is a 109,953 SF four-story cylindrical classroom building built in 1961. Project scope includes asbestos abatement, building demolition and isolation, and termination or removal of major utilities. The building structure is composed of an inner cast-in-place concrete core and a surrounding precast/cast-in-place hybrid structure. The demolition method will take into consideration vibration sensitive research in the vicinity. The project will include site backfill, restoration, landscaping and hardscape 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):
- 4. An estimated schedule for the completion of the project:

Design Start: 12/8/14	Design Complete: 9/11/15
Construction Start: 3/2/16	Construction Complete: 9/13/16

- 5. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):
- 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):
- An explanation of the means of financing: Carry Forward funds from FY2014 to FY2015

#### 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 St	ate University				DATE	10/13/14
PROJECT IDENTIFICATION:	Harrelson Hall De	emolition		·····		BATE.	10/10/14
PROJECT CITY or LOCATION:	Raleigh - North C	ampus					
PROJECT DESCRIPTION & JUSTIFICATIO	N: (Attach add'l data a	s necessary to inc	icate need size fu	nction of improv	emente ac	well as a master r	lan )
Harrelson Hall is a 109,953 gsf, four story, c	vlindrical classroon	n building built	in 1961 Project	ct scope incl	udoe oek	well as a master p	nan.)
and isolation, termination or removal of majo	r utilities (water sa	nitary sewer n	atural das chille	ad water olo	otrical a	nd atoom) Th	huilding demolition
composed of an inner cast in place concrete	core and a surroun	ding precast/	rast in place hut	orid etructure	The eff	ruoturral dama	Hon which will
generate the most heavy equipment actuvity	and traffic must be	condensed wi	thin the summe	r poriod while	nodest	rian activity is	Ition which will
demolition method will take into consideration	vibration sensitive	research in th	unin the summe	project will in	e pedest	rian activity is a	taminimum. The
and hardscape work.		research in tr	e vicinity. The	project will li	iciude s	te backfill, rest	pration, landscaping,
(Definitions/explanations are provided on pg 2 to CURRENT ESTIMATED CONSTRUCTION		f this form.)	QTY	UNIT	1.000		
A. Land Requirement	0001			UNI	003	I PER UNIT	TOTAL
B. Site Preparation			L	L			\$0
1. Demolition			109,953	of	6	10 70	<b>#0.474.070</b>
2. Site Work				lump sum	\$	19.78 477,994.00	\$2,174,870
C. Construction			I	nump sum	φ	477,994.00	\$477,994
1. Utility Services				1		000.000.001	
2. Building Construction (new space	a)			lump sum	\$	300,000.00	\$300,000
3. Building Construction (existing)	-)						\$0
4. Plumbing (new & existing space)							\$0
5. HVAC (new & existing space)							\$0
<ol> <li>Electrical (new &amp; existing space)</li> </ol>							\$0 \$0
7. Fire Supression and Alarm Syste	ms (new & existing	(space)					\$0
8. Telephone, Data, Video (new &		,,					\$0
9. Associated Construction Costs	01 /		1	lump sum	\$	28,000.00	\$28,000
10. Other:				ianip ouni	<u> </u>	20,000.00	\$0
D. Equipment		-					ΨΟ
1. Fixed							\$0
2. Moveable							\$0
ESTIMATED CONSTRUCTION COSTS							\$2,980,864
Items below may be calculated by percentage or lum	p sum. If using lump	sum, make entry	in \$ field.				
DESIGN FEE	10 %	(% of Estimate	d Construction Co	osts)		Г	\$298,086
PRECONSTRUCTION COSTS	0.55 %	(% of Estimate	d Construction Co	sts [1% for C	M@Risk1	) –	\$16,395
COMMISSIONING	%	(0.5% simple; 1	.0% moderate; 1	.5% complex)	0.1	′ F	\$0
SPECIAL INSPECTIONS/MATERIALS		(1.25% estimat		. ,		F	\$35,770
SUSTAINABILITY	%	(3% LEED Gold	d, 2% LEED Silve	r)		F	\$0
						-	<del>\</del>
ADVANCE PLANNING	%	(% of Estimated	mming, feasibility Construction Co	, analysis sts)			\$0
CONTINGENCIES	5 %	(% of Estimated	Construction Co	sts [3% New	or 5% R8	(R])	\$149,043
ESTIMATED COSTS (% of Estimated Cons Escalation = percent per month multiplied by n		tingencies + Des	sign Fee)				\$3,480,159
(From Est. Date to mid-point of construction) =		20	months	0.04	V		
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mo	os = .12%; 36-47 mos = .	20 16%; 48-60 mos = .	months _ 18%	0.04	% per m	onth	
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos	= 26% 18-23 mor = 20	9% · 24-35 mag - 3	3%: 36 47 man - 00	0/ . 40 00	200		
ESCALATION COST INCREASE (Total of Est			376, 30-47 mos = .30	%; 48-60 mos =	.38%	<b></b>	
						L	\$27,841
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Esc	calation Cost Incre	ase)				\$3,508,000
APPROVED BY:		- :	TITLE University A	Architect		DA	TE 10.15.14

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

Institution:	NC State University	Advance Planning Request: X New Capital Project*:
Increase in Author	rization from: \$ to \$	
Project Title: Pat	terson Hall Business Center Renovation	
Project Cost: AP	Request \$220,000 (Total Project Budget \$1,561,80	0)
Source of Funds:	Carry Forward	
*If this project ha	s previously had advance planning authority, please	e identify code/item number under which that

authority is carried. Code\_\_\_\_\_ Item \_\_\_\_

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

1. A detailed project description and justification:

This project will renovate the ground floor of Patterson Hall to accommodate the programmatic needs of the College of Agriculture and Life Sciences Business Office. The floor plan will be revised and existing HVAC, electrical, fire alarm and lighting systems will be upgraded.

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

See attached OC-25.

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

Design Start: 12/8/14	Design Complete: 12/21/15
Construction Start: 4/5/16	Construction Complete: 10/5/16

- 5. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):
- 6. An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation (Answer for capital construction only):
- An explanation of the means of financing: Carry Forward funds from FY2014 into FY2015

#### 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)

TOTAL

\$0

\$0

\$0

\$0

\$0

\$313,600

\$29,400

\$392,000

\$196,000

\$49,000

\$44,100

\$0

\$0

\$0

\$259,688

\$1,283,788

\$43 721

DEPARTMENT and DIVISION:	North Carolina State University	DATE:	10.13.14			
PROJECT IDENTIFICATION:	Patterson Hall					
PROJECT CITY or LOCATION:	Raleigh - North Campus					
PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)						

The ground floor of Patterson Hall will be renovated to accommodate the programmatic needs of the College of Agriculture and Life Sciences Business Office. The floor plan must be reconfigured. The basement is currently served by multiple split system air conditioners and 4-pipe fan coil units which are at the end of their servicable life. It will be replaced with a split system VAV air handler with hot water reheat terminal boxes. The electrical receptacles and associated panel boards and circuit breakers will be replaced as will all interior lighting. The existing telecom system must be modified to accommodate the revised floor plan. The fire alarm devices will be fed from an existing control panel. An additional Notification Appliance Control Panel may be required. Associated construction costs includes rental of staging, fire alarm testing, shut downs, door hardware, landscaping, signage, security cameras and card access, etc. Contact person is Liz Moore, 919-515-8054.

QTY

9800

9800

9800

9800

9800

9800

UNIT

sf

sf

sf

sf

sf

sf

1 lump sum

\$

\$

\$

\$

\$

\$

\$

COST PER UNIT

32.00

3.00

40.00

20.00

5.00

4.50

259,688.00

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

- A. Land Requirement
- Β. Site Preparation
  - 1. Demolition
  - 2. Site Work

  - Construction

C.

- 1. Utility Services
- 2. Building Construction (new space)
- 3. Building Construction (existing)
- 4. Plumbing (new & existing space)
- 5. HVAC (new & existing space)
- 6. Electrical (new & existing space)
- 7. Fire Supression and Alarm Systems (new & existing space)
- 8. Telephone, Data, Video (new & existing space)
- 9. Associated Construction Costs Security
- 10. Other:
- D. Equipment
  - 1. Fixed
  - 2. Moveable

#### ESTIMATED CONSTRUCTION COSTS

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

DESIGN FEE	10 %	(% of Estimated Construction Costs)	\$128,379
PRECONSTRUCTION COSTS	1 %	(% of Estimated Construction Costs [1% for CM@Risk] )	\$12,838
COMMISSIONING	1 %	(0.5% simple; 1.0% moderate; 1.5% complex)	\$12,838
SPECIAL INSPECTIONS/MATERIALS		(1.25% estimated)	\$16,047
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	\$0
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R] )	\$64,189
ESTIMATED COSTS (% of Estimated Con Escalation = percent per month multiplied by		ntingencies + Design Fee)	\$1,518,079

(From Est. Date to mid-point of construction) = 24 months 0.12 % per month General Bidgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 mos = .16%; 48-60 mos = .18%

Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos = .33%; 36-47 mos = .36%; 48-60 mos = .38% ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %)

TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Escalation Cost Increase)	\$1,561,800
APPROVED BY:		DATE 10.14.14

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

Advance Planning Request: X New Capital Project*:

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

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

1. A detailed project description and justification:

This project will address water infiltration on the ground floor of Patterson Hall. Design efforts will ascertain the exact source of water infiltration. It is expected that the northwest corner of the building below grade wall must be exposed and new waterproofing membrane installed. Windows with broken seals will also be addressed.

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

See attached OC-25.

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

Design Start: 3/20/15	Design Complete: 11/13/15
Construction Start: 1/25/16	Construction Complete: 3/28/16

- 5. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):
- 6. An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation (Answer for capital construction only):
- An explanation of the means of financing: Carry Forward funds from FY2014 to FY2015.

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

Form OC-25 (Rev 05/12)

DEPARTMENT and DIVISION: PROJECT IDENTIFICATION:	Patterson Hall Waterproofing	North Carolina State University 10/15/2014 Patterson Hall Waterproofing					
PROJECT CITY or LOCATION:	Raleigh - North Campus						
	TIFICATION: (Attach add'I data as necessary to						
The ground floor file room suffers	from water infiltration. Six windows in the	e area have broke	n seals and	should be re	eplaced. Of	ther sources of water	
	ely identified, but it is currently assumed the					wall must be exposed	
and new waterproofing membrane	e installed. The initial design effort will be	to ascertain the e	exact source	of water inf	Itration.		
1						*	
(Definitions/explanations are provided	on pg 2 to assist in completion of this form.)						
CURRENT ESTIMATED CONSTR		QTY	UNIT	COST PI		TOTAL	
A. Land Requirement		Gen				\$0	
B. Site Preparation				L.,		ψŪ	
1. Demolition						\$0	
A. Window Removal		6	each	\$	500.00	\$3,000	
B. Clean and prepare	wall for waterproofing	500		\$	50.00	\$25,000	
C. Demo damaged in		500		\$	5.00	\$2,500	
2. Site Work					0.00	\$0	
	w grade water infiltration	2000	cu yds	\$	22.00	\$44,000	
B. Landscaping			ls	\$	25,000.00	\$25,000	
C. Construction							
1. Utility Services						\$0	
2. Building Construction	· · · ·					\$0	
A. Install new window	Ref. was	6		\$	8,000.00	\$48,000	
B. Install new waterpr		500	sf	\$	75.00	\$37,500	
3. Building Construction		500				\$0	
A. Replace interior wa 4. Plumbing (new & exis		500	sf	\$	7.50	\$3,750	
5. HVAC (new & existing						\$0 \$0	
<ol> <li>Electrical (new &amp; existing</li> </ol>						\$0 \$0	
A. Replace outlets in		20	each	\$	225.00	\$4,500	
	larm Systems (new & existing space)		Juon	Ŷ		\$0	
A. Replace data ports		20	each	\$	225.00	\$4,500	
8. Telephone, Data, Vide				1		\$0	
9. Associated Constructi						\$58,190	
10. Other:	Security					\$0	
D. Equipment							
1. Fixed						\$0	
2. Moveable	0070					\$0	
ESTIMATED CONSTRUCTION (					L	\$255,940	
Items below may be calculated by perce	ntage or lump sum. If using lump sum, make en	try in \$ field.					
DESIGN FEE	10 % (% of Estima	ted Construction Co	(ala)		Г	\$25,594	
PRECONSTRUCTION COSTS	5 % (% of Estima			(ODiald)		\$12,797	
COMMISSIONING		e; 1.0% moderate; 1.		((Urtiskj)	H	\$0	
SPECIAL INSPECTIONS/MATERI			5% complex)		F	\$3,199	
SUSTAINABILITY		Gold, 2% LEED Silve	r)		H	\$0	
					ŀ		
ADVANCE PLANNING		gramming, feasibility ited Construction Co				\$0	
ADVANCE FEANINING					F	φ0	
CONTINGENCIES	5 % (% of Estima	ted Construction Co	sts [3% New a	r 5% R&R])	L	\$12,797	
	mated Construction Costs + Contingencies + D	lesign Fee)			L	\$310,327	
Escalation = percent per month mu							
(From Est. Date to mid-point of const		8 months	0.04	% per mont	h		
General Bldgs: 0-17 mos = 0%; 18-23 mos = .0	4%; 24-35 mos = .12%; 36-47 mos = .16%; 48-60 mos	= .18%					
Health Bidgs: 0-5 mos = .18%; 6-11 mos = .22	%; 12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos =	.33%; 36-47 mos = .36	%; 48-60 mos = .	38%			
	(Total of Estimated Costs x Escalation %)		,		Г	\$2,234	
	1				-		
TOTAL ESTIMATED PROJECT	OSTS (Estimated Costs + Escalation Cost In	crease)			L	\$312,561	
APPROVED BY	the		Arabitt			ATE 10.16.14	
	d or Agency Head)	TITLE University	Architect		<u>v</u>		

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

Institution:	The University of North Carolina at Chapel Hill	Advance Planning Request New Capital Project*: x
Increase in Authorization	on from: \$_63,681,005 to <u>\$116,259,072</u>	
Project Title: Mary Elle	en Jones Renovation	
Project Cost: <u>\$116,259</u>	9,072, Increase of \$52,578,067	
Source of Funds: F&A	Funds	

\*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code\_41122 Item 301\_ & 41222-305 (please note: all authority is now combined in 41122-301)

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

1. A detailed project description and justification:

Supplemental funding is requested for the Mary Ellen Jones Building Renovation. The design for a comprehensive renovation of Mary Ellen Jones is currently underway and the additional funding will replace air handlers, electrical infrastructure, fire pump, and other building systems and equipment, renovate all eleven floors of the building for new research laboratory space and vivarium. In addition, this project will address code deficiencies and deferred maintenance items. The project will also replace the existing exterior precast panels and install a new exterior glass curtain wall. The interior renovated area will be approximately 230,000 GSF. A new open space plaza between Mary Ellen Jones Building and Thurston Bowles Building which will provide a new building entrance will be constructed as part of this project. Compliance with GS 143-135.35 - 143-135.40, Sustainable, Energy Efficient Buildings, is also required.

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

#### See attached OC-25 form

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

	Prior Spending						
By End of:	thru 2Q 2015-16	3Q 2015-16	4Q 2015-16	1Q 2016-17	2Q 2016-17	3Q 2016-17	Total
Expected Expenditure	\$ 5,812,954	\$10,463,316	\$ 23,251,814	\$ 34,877,722	\$24,414,405	\$ 17,438,861	\$ 116,259,072

An estimated schedule for the completion of the project: Project began in 2007 with designer selection. Construction will start summer 2015 and be completed by June 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):

See attached spreadsheet; recurring costs \$795,674

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: F&A Funds

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

Form OC-25 (Rev 09/14)

TOTAL

\$0

\$0

\$0

\$0

\$0

\$0

\$0

\$0

\$0 \$0

\$0

\$83,089,800

\$11,770,000

\$2,000,000

\$1,249,122 \$98,108,922

COST PER UNIT

361.26

11.770.000.00

2,000,000.00

1,249,121.50

UNIT

\$

Ŝ

\$

\$

1 Lump Sum

1 Lump Sum

1 Lump Sum

QTY

230,000 SF

DEPARTMENT and DIVISION:	UNC Chapel Hill	DATE:	12/02/14
PROJECT IDENTIFICATION:	Mary Ellen Jones Renovation		
PROJECT CITY or LOCATION:	Chapel Hill		

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

Supplemental funding is requested for the Mary Ellen Jones Building Renovation. The design for a comprehensive renovation of Mary Ellen Jones is currently underway and the additional funding will replace air handlers, electrical infrastructure, fire pump, and other building systems and equipment, renovate all eleven floors of the building for new research laboratory space and vivarium. In addition, this project will address code deficiencies and deferred maintenance items. The project will also replace the existing exterior precast panels and install a new exterior glass curtain wall. The interior renovated area will be approximately 230,000 GSF. A new open space plaza between Mary Ellen Jones Building and Thurston Bowles Building which will provide a new building entrance will be constructed as part of this project. Compliance with GS 143-135.35 - 143-135.40, Sustainable, Energy Efficient Buildings, is also required.

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

Α. Land Requirement Β.

- Site Preparation
  - 1. Demolition
  - 2. Site Work
- C. Construction
  - 1. Utility Services
  - 2. Building Construction (new space)
  - 3. Building Construction (existing)
  - 4. Plumbing (new space)
  - 5. HVAC (new space)
  - 6. Electrical (Includes TV & Radio Studio)
  - 7. Fire Supression and Alarm Systems
  - 8. Telephone, Data, Video
  - 9. Associated Construction Costs
  - 10. Other:
- Equipment D.
  - 1. Fixed
  - 2. Moveable

#### ESTIMATED CONSTRUCTION COSTS

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

DESIGN FEE	8 %	(% of Estimated Construction Costs)	\$7,848,714
PRECONSTRUCTION COSTS	0.9 %	(% of Estimated Construction Costs [1% for CM@Risk] )	\$882,980
COMMISSIONING	1.5 %	(0.5% simple; 1.0% moderate; 1.5% complex)	\$1,471,634
SPECIAL INSPECTIONS/MATERIALS	0.8 %	(1.25% estimated)	\$784,871
SUSTAINABILITY	2 %	(3% LEED Gold, 2% LEED Silver)	\$1,962,178
		Includes programming, feasibility, analysis	
ADVANCE PLANNING	0.3 %	(% of Estimated Construction Costs)	\$294,327
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% $\ensuremath{Newor}\xspace5\%$ R&R] )	\$4,905,446
ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee)			\$116,259,072
Escalation = percent per month multiplied t	y number of months		
(From Est. Date to mid-point of construction)	=	months % per month	

General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 mos = .16%; 48-60 mos = .18%

Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos = .33%; 36-47 mos = .36%; 48-60 mos = .38%

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

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

APPROVED BY: (Governing Board or Agency Head)

٤

\$116,259,072 TITLE Director Facilitis Planning: Deign

\$0