Situation: ASU, NCSU, and UNCC have requested authority to proceed with non-

appropriated capital improvements projects using available funds derived from 4H camp receipts, campus enterprise receipts, carry-forward, endowment funds, facilities and administrative receipts, gifts, health service fees, housing

receipts, and trust funds.

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

advance planning projects at UNC campuses using available funds.

Assessment: ASU, NCSU, and UNCC have requested projects that meet the Statutory

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

appropriations.

**Action:** This item requires a vote.

#### Authorization of Capital Improvements Projects – ASU, NCSU, and UNCC

Appalachian State University, North Carolina State University, and the University of North Carolina at Charlotte have requested authority to establish the following new capital improvements projects.

<u>ASU – Campus Master Plan</u>: This project will update the master plan to facilitate physical planning initiatives as they relate to the academic mission. Included in the plan will be analysis of enrollment growth, infrastructure needs, potential building sites, and open space amenities. The project, estimated to cost \$375,000, will be funded by endowment funds, and will be completed by March 2018.

<u>ASU – Miles Annas Building Wellness Center Renovation</u>: This project will design and construct office and meeting spaces for the Wellness Center, using a portion of the lobby and mail box areas in the Miles Annas Student Support Building. The project will also reconfigure a portion of the adjacent Post Office spaces to enable giving up spaces to the Wellness Center and renovate two toilets to make them public toilets. The project, estimated to cost \$451,000, will be funded by health service fees, and will be completed by September 2016.

<u>NCSU – Talley Retail Upfit – Suite 2260</u>: This project will upfit the interior of Talley Student Union and renovate approximately 2,400 square feet of constructed space into a merchandise retail space near the University Bookstore. The project creates locker space, customer service counter, storage racks, workstation space, and associated support space. The project, estimated to cost \$450,000, will be funded by campus enterprises receipts, and will be completed by June 2016.

<u>NCSU – Millstone 4H Camp Director's Residence</u>: This project involves the procurement and installation of a new 3,060 square-foot modular building to be used as the Camp Director Residence and garage located in Richmond County near Ellerbe, North Carolina. The project includes site work, surface parking, utility connections, and a septic system. The project, estimated to cost \$175,000, will be funded by trust funds, gifts, and 4H camp receipts and will be completed by May 2016.

NCSU – CMAST Housing Building Code Upgrades: This project will provide required code upgrades to a newly purchased 13-unit townhouse building. The building will house NC State students who take classes at the Center for Marine Sciences and Technology (CMAST). The code upgrades include lowering windows to meet code in sleeping rooms, upgrading the life safety system, installing a sprinkler system, upgrading the site to include an ADA parking space, and installing washers and dryers. The project, estimated to cost \$400,000 will be funded by housing receipts, and will be completed by September 2016.

<u>UNCC – Belk Plaza Revitalization</u>: This project will revitalize Belk Plaza, a prominent quadrangle in the oldest part of campus. It is surrounded by the first buildings on the campus and is the center of campus life and an important outdoor gathering space for students, faculty, and staff. Previously, the central feature in the plaza was the Belk Tower, an iconic landmark for UNC Charlotte for over 40 years. It was recently necessary to remove the tower due to structural and safety concerns. UNC Charlotte intends to redesign the entire 50,000 square-foot plaza to create a dynamic outside

environment for rest, study, reflection, and conversation. Revitalization will focus on updating the area with plant materials that will be easier and less costly to maintain, improving campus pedestrian and bike circulation, adding seating walls to define the plaza, and constructing a new iconic feature. This project will ensue from public input of the campus community and alumni as well as the Campus Landscape Master Plan. The project, estimated to cost \$3,000,000, will be funded by carry-forward funds, facilities and administrative receipts, and gifts and will be completed by January 2018.

<u>UNCC</u> – Charlotte Research Institute Entrance Improvements: This project will enhance the Charlotte Research Institute (CRI) entrance to campus along Tryon Street/U.S. Highway 29. It includes site grading, landscaping, seat walls, a plaza area, utilities, and roadway improvements that will be coordinated with the new Charlotte Area Transit System (CATS) light rail and road widening currently underway. A UNC Charlotte sign and entrance feature are also included. The project, estimated to cost \$2,500,000, will be funded by carry-forward funds, facilities and administrative receipts, and gifts and will be completed by July 2017.

#### <u>Authorization for Advance Planning of New Capital Improvements Project – The University of</u> North Carolina at Charlotte

The University of North Carolina at Charlotte has requested authority to establish advance planning of the following project.

<u>UNCC – Colvard Renovations</u>: The project will modernize the building systems of the 1981 vintage Colvard Buildings (North and South). Mechanical, electrical, plumbing, information technology, and fire protection systems will be upgraded. The project will also include architectural upgrades, envelope repairs, and code/ADA compliance corrections. This project was previously authorized under Campus Infrastructure Development Phase II (CID 2) authorization. However, due to increased costs of the CID 2 projects, it is requested that this project be authorized separately. This advance planning authorization will utilize \$1,430,000. The project, estimated to cost \$14,300,000, will be funded from carry-forward funds and facilities and administrative receipts.

## <u>Authorization to Increase the Scope of a Capital Improvements Projects – Appalachian State University and North Carolina State University</u>

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

<u>ASU – Anne Belk Hall HVAC</u>: This project, approved in August 2013 by the Board, needs additional funding to replace the air handler and associated ductwork to provide adequate outside air ventilation and energy efficiency for the building. The increase in authorization of \$450,000 (from \$9,008,358 to \$9,458,358) will be funded by 2015 energy savings carry-forward.

NCSU – College of Veterinary Medicine 3B Lab Renovation: This project, approved in May 2015 by the Board, needs additional funding to cover the cost of work associated with existing mechanical conditions newly discovered during design, and the increased commissioning costs. The project renovates the College of Veterinary Medicine Main Building Research Lab module 3B, to accommodate discipline clustering in a more open and flexible layout. The increase in authorization of \$500,000 (from \$2,500,000 to \$3,000,000) will be funded by trust funds and facilities and administrative receipts.

Inst	titution:	Appalachian State U	Iniversity	Advance Planning Request:  New Capital Project*:  X			
	rease in Authorizati ject Title: <u>Campus</u>	on from: \$ to Master Plan	\$	New Capital Project*: X			
Pro	ject Cost: \$375,000	)					
Sou	arce of Funds:	Endowment					
		viously had advance pode Item _		dentify code/item number under which that			
For	r each advance plai	nning project or capi	ital construction project,	please provide the following:			
1.	physical planning i	nitiatives as they relat		in need of an updated master plan to facilitate. Included in the plan will be analysis of d open space amenities.			
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)						
3.	An estimated sched construction only):		irements over the life of th	e project by FY quarters (Answer for capital			
	4 <sup>th</sup> Qtr 15-16: \$75	,000; 1 <sup>s</sup>	t Qtr 16-17: \$200,000;	2 <sup>nd</sup> Qtr 16-17: \$100,000;			
4.	An estimated scheo	dule for the completio Feb 2016 – Augus	n of the project: Jan 2016 t 2016	– Mar 2018			
5.			ng costs and source of fund (Answer for capital constr	ing to support these costs, including personnel uction only):			
	N/A						
6.	(Answer for capita	enues, if any, likely to l construction only):	be derived from the proje	ct, covering the first five years of operation			
	N/A						
7.	An explanation of	the means of financing	g: Steam Trust Fund Rece	ipts – Cash			

### Form OC-25

#### STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE (Rev 05/12)

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

DEPARTMENT and DIVISION:	Appalachian State	te University DATE: 12/10/15						
PROJECT IDENTIFICATION:		_						
PROJECT CITY or LOCATION:	Boone, NC							
PROJECT DESCRIPTION & JUSTIFICAT	ION: (Attach add'l data as	necessary to ind	icate need, size, fund	ction of improve	ements as well as a master	plan.)		
Campus Master Plan - no construction wo								
·								
(Definitions/explanations are provided on pg 2	to assist in completion of	f this form.)						
<b>CURRENT ESTIMATED CONSTRUCTIO</b>	N COST		QTY	UNIT	COST PER UNIT	TOTAL		
A. Land Requirement						\$0		
B. Site Preparation								
<ol> <li>Demolition</li> </ol>						\$0 \$0		
<ol><li>Site Work</li></ol>						\$0		
C. Construction					_			
<ol> <li>Utility Services</li> </ol>						\$0		
<ol><li>Building Construction (new sp</li></ol>						\$0		
<ol><li>Building Construction (existing</li></ol>	g)					\$0		
4. Plumbing (new space)						\$0		
5. HVAC (new space)						\$0		
6. Electrical (Includes TV & Rad						\$0		
7. Fire Supression and Alarm Sy	/stems					\$0		
8. Telephone, Data, Video						\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		
Associated Construction Cost     Others	S					\$0		
D. Equipment		_				Φυ		
D. Equipment  1. Fixed					1	<u>۱</u>		
2. Moveable						\$0 \$0		
ESTIMATED CONSTRUCTION COSTS	2					\$0		
Items below may be calculated by percentage or		sum make entr	v in \$ field			Ψ		
nems selow may be calculated by percentage of	tump sum. It using tump	oum, make em	y III y IICiu.					
DESIGN FEE	0 %	(% of Estimat	ed Construction Co	osts)		\$0		
PRECONSTRUCTION COSTS			ed Construction Co		CM@Risk])	\$0		
COMMISSIONING			; 1.0% moderate; 1			\$0		
SPECIAL INSPECTIONS/MATERIALS		(1.25% estimate			,	\$0		
SUSTAINABILITY	0 %	•	old, 2% LEED Silve	er)		\$0		
		`		•		·		
ADVANCE PLANNING	0 %		ramming, feasibilit ed Construction Co			\$375,000		
		•		•		ψ373,000		
CONTINGENCIES	0 %	(% of Estimat	ed Construction Co	osts [3% Nev	v <b>or</b> 5% R&R])	\$0		
,	Construction Costs + Cor	ntingencies + D	esign Fee)			\$375,000		
Escalation = percent per month multiplied	•							
(From Est. Date to mid-point of construction	,		_ months		_% per month			
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-3	35 mos = .12%; 36-47 mos = .	16%; 48-60 mos =	18%					
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-13	7 mas = 26%: 18-22 mas - 2	9%: 24-35 mas -	33%: 36-47 mas = 34	5% · 48-60 mos	= 38%			
ESCALATION COST INCREASE (Total of			.0070, 00-47 1110300	570, <del>4</del> 0-00 mos	50 /0	\$0		
ESOALATION COST INCINEASE (Total of	i Estimated Costs X Es	calation 70)				ΨΟ		
TOTAL ESTIMATED PROJECT COST	S (Estimated Costs + Es	scalation Cost Inc	crease)			\$375,000		
APPROVED BY:		_	TITLE			DATE		
(Governing Board or Age	ency Head)							

Ins	titution:	Appalac	hian State University			anning Request: _				
			\$ to \$		New C	Capital Project*:	X			
Pro	oject Title: Miles An	nas Build	ing Wellness Center Reno	ovation						
Pro	oject Cost: \$451,000									
Soi	urce of Funds: Heal	th Service	es Fee							
	this project has prev hority is carried. Co		d advance planning author Item	rity, please identify co	ode/item numb	er under which th	at			
Fo	r each advance plan	ning pro	ject or capital constructi	on project, please p	rovide the foll	lowing:				
1.	A detailed project description and justification: Design and construct office and meeting spaces for the Wellness Center, using a portion of the lobby and mail box areas in the Miles Annas Student Support Building. Also reconfigure a portion of the adjacent Post Office spaces to enable giving up spaces to the Wellness Center and renovate two toilets to make them public toilets.									
2.		An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (Answer for capital construction only and include a completed OC-25 form)								
	Design:	\$41,000	)							
	Construction:	\$410,00	00							
	Contingency:	\$20,500	)							
	Other:	\$0								
3.	An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):									
	3 <sup>rd</sup> Qtr 15-16: \$15,	000:	4 <sup>th</sup> Qtr 15-16: \$20,000;	1 <sup>st</sup> Qtr 16-17: \$38	1,000;	2 <sup>nd</sup> Qtr 16-17: \$50	0,000;			
4.	An estimated sched	ule for th	e completion of the projec	et: Jan 2016 – Sep 20	16					
	Design:	Jan 201	6 - Apr 2016							
	Construction:	May 20	016 - Sep 2016							
5.	covering the first fir		and operating costs and so of operation (Answer for c			sts, including pers	onnel,			
	N/A									
6.	An estimate of reve (Answer for capital		ny, likely to be derived fro ion only):	om the project, coveri	ng the first fiv	e years of operation	on			
	N/A									
7.	An explanation of t	he means	of financing: Project will	be funded using cash	n already accur	mulated in the He	alth			

Services Student Fee trust fund. The project will be funded with cash and will not require the issuance of debt. The University has set aside a portion of the funds necessary for this project over time in order to complete this

project entirely with cash.

Form OC-25 (Rev 05/12)

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

DEPARTMENT and DIVISION:							
PROJECT IDENTIFICATION: PROJECT CITY or LOCATION:	Boone, NC						
PROJECT DESCRIPTION & JUSTIFICAT	<del></del>						1 \
Renovate existing spaces to provide office				nction of impro-	/ements as	well as a master p	ian.)
Treflovate existing spaces to provide office	s and meeting rooms	s tot trie vveilite	355 Ceriler.				
(Definitions/explanations are provided on pg 2	to assist in completion	of this form.)					
CURRENT ESTIMATED CONSTRUCTION		,	QTY	UNIT	COST	PER UNIT	TOTAL
A. Land Requirement			****				\$0
B. Site Preparation							***************************************
<ol> <li>Demolition</li> </ol>			300	0 sf	\$	10.00	\$30,000
2. Site Work					<u> </u>		\$0
C. Construction				1	1	***************************************	
Utility Services					<b></b>		\$0
Building Construction (new spans)     Building Construction (exists)			2000	205	1	400.00	\$0
<ol> <li>Building Construction (existing</li> <li>Plumbing (new space)</li> </ol>	)		3000	SF	\$	100.00	\$300,000
5. HVAC (new space)			-		<del>                                     </del>		\$0 \$0
6. Electrical (Includes TV & Radio	n Studio)			<u> </u>	<del> </del>		\$0
7. Fire Supression and Alarm Sys				<del>                                     </del>	-		\$0
8. Telephone, Data, Video				ILS	\$	10,000.00	\$10,000
9. Associated Construction Costs	-		3000		\$	20.00	\$60,000
10. Other: <u>In-house</u>	support	_		LS	\$	10,000.00	\$10,000
D. Equipment		_					
1. Fixed				ļ	ļ .		\$0
2. Moveable							\$0
ESTIMATED CONSTRUCTION COSTS						L	\$410,000
Items below may be calculated by percentage or le	ump sum. If using lump	sum, make entry	in \$ field.				
DESIGN FEE	10 %	/% of Estimate	ed Construction C	'oete)		Г	\$41,000
PRECONSTRUCTION COSTS			ed Construction C		M@Dick1	, <u> </u>	\$0
COMMISSIONING			1.0% moderate;	\$0			
SPECIAL INSPECTIONS/MATERIALS		(1.25% estima		\$0			
SUSTAINABILITY			ld, 2% LEED Silv	\$0			
						<u> </u>	40
ADVANCE PLANNING	۷۵		amming, feasibili ed Construction C				\$0
-		(% or Esumate	d Construction C	osis)		-	
CONTINGENCIES	5 %	(% of Estimate	d Construction C	osts [3% New	or 5% R8	(R])	\$20,500
·	onstruction Costs + Co	ntingencies + De	esign Fee)			<u>L</u>	\$451,000
Escalation = percent per month multiplied by		_		_			
(From Est. Date to mid-point of construction) :		/	months	0	% per m	onth	
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35	mos = .12%; 36-47 mos = .	.16%; 48-60 mos =	.18%				
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m	nos = .26%; 18-23 mos = .2	9%; 24-35 mos = .3	33%; 36-47 mos = .3	6%; 48-60 mos =	.38%		
ESCALATION COST INCREASE (Total of I							\$0
TATAL CATHLATED DEC 1808 00000		,					
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Es	scalation Cost Incre	ease)				\$451,000
ADDDOVED BY: Share to I a.	Mar. 3		TITLE VC B	usihoce d	AGC	, ,	ATE 12/15/15
APPROVED BY: // Coverning Board or Agence	v Head)		HILE RUN IN	N 211 (C 23 )	1 (TOWF)	ַ	MIL 1- (13/13
(Governing Board of Agent	y Hoauj						

Ins	stitution:	NC State Uni	iversity		Advance Planning Request:				
		cation from: \$ y Retail Upfit – S			New Capital Project*: X				
Pro	oject Cost: \$450.	,000							
		ampus Enterprises	s Receipts						
*If	this project has p		vance planning a	authority, please ide	entify code/item number under which that				
Fo	r each advance p	planning project	or capital cons	truction project, p	lease provide the following:				
1.	A detailed proje	ect description and	l justification:						
	merchandise ret	ail space near the	University Boo		imately 2400 ft <sup>2</sup> of constructed space into a creates locker space, customer service ce.				
2.	An estimate of a (a completed O		ing, design, site	development, cons	truction, contingency and other related costs				
	See attached OC	C-25.							
3.	An estimated sc construction only		ow requirements	over the life of the	project by FY quarters (Answer for capital				
	FY2016: FY2017:	1Q \$80,017	<u>2Q</u>	3 <u>Q</u> \$27,333	4 <u>Q</u> \$342,650				
4.	An estimated sc	hedule for the cor	npletion of the j	project:					
	Design Start: 1/2 Construction Sta	25/16 Des art: 4/18/16 Con	sign Complete: 3						
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.		revenues, if any, li oital construction of		red from the project	t, covering the first five years of operation				
	Campus Enterpr	rises anticipates n	et revenue of \$1	50,000 per year for	the first five years of operation.				
7.	An explanation	of the means of fi	nancing:						
	-		•	and construction o	f this project.				

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

BIENNIUM 2013 - 2015

Form OC-25

(Rev 05/12)

DEPARTMENT and DIVISION: North Carolina State University DATE: 1										
	ECT IDENTIFICATION:	Talley Retail Upfit								
	PROJECT CITY or LOCATION: Raleigh - Central Campus Precinct  PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)									
	nterior project in Talley Stude		-							
<u>Unive</u>	rsity Bookstore. The project of	reates locker space, custom	er service cour	nter, storage rac	cks, workstat	ion spa	ce, and associat	ted support space.		
(Definit	tions/explanations are provided of	on no 2 to assist in completion o	of this form )							
	ENT ESTIMATED CONSTR		in this form.)	QTY	UNIT	COS	T PER UNIT	TOTAL		
A.	Land Requirement	0011011 0001		-	- OIVIII	000	TETTON	\$0		
В.	Site Preparation							Ψ0		
0.00	Demolition									
	2. Site Work							- \$0		
C.	Construction									
	<ol> <li>Utility Services</li> </ol>			le le				\$0		
	2. Building Construction (	new space)						\$0		
	3. Building Construction (	existing)		2400	SF	\$	140.00	\$336,000		
	4. Plumbing (new & existi				11			\$0		
	5. HVAC (new & existing	*						\$0		
	6. Electrical (new & existing			2400	SF	\$	5.00	\$12,000		
		arm Systems (new & existing	g space)	ļ				\$0		
	8. Telephone, Data, Video			1	lump sum	\$	27,000.00	\$27,000		
	Associated Constructio     Other:     S				lump sum	\$	6,431.00	\$6,431		
D.		ecurity Access Technologies	5_		lump sum	\$	6,500.00	\$6,500		
U.	Equipment  1. Fixed							\$0		
	Moveable							\$0		
ESTIN	IATED CONSTRUCTION C	OSTS						\$387,931		
	elow may be calculated by percen		sum, make entry	in S field.				4007,001		
	or may be calculated by person	age or ramp ourse is using tump	Sum, make only	iii o norai						
DESIG	N FEE	10 %	(% of Estimate	d Construction Co	osts)		Γ	\$38,793		
PREC	ONSTRUCTION COSTS			d Construction Co		M@Risk	(1) F	\$3,879		
COMM	IISSIONING	%	(0.5% simple; 1	1.0% moderate; 1		\$0				
SPECI	AL INSPECTIONS/MATERIA	ALS %	(1.25% estimat	ed)				\$0		
SUSTA	AINABILITY	%	(3% LEED Gold	d, 2% LEED Silve	er)		Г	\$0		
			Includes progra	mming, feasibility	, analysis					
ADVA	NCE PLANNING	%	(% of Estimated	d Construction Co	osts)			\$0		
	NGENCIES	A		d Construction Co		or 50/ D	9 D1 \	\$19,397		
CONT	NGENOIES		(% UI ESTIMATED	u Construction Co	JSIS [3 /0 INEW	<b>UI</b> 3/6 FI	lanj)	Ψ13,337		
ESTIM	ATED COSTS (% of Estir	nated Construction Costs + Con	ntingencies + Des	sign Fee)				\$450,000		
	tion = percent per month mult		<b>J</b>	3						
	Est. Date to mid-point of constru	en entre la collinga de la collection de	12	months	0	% per n	nonth			
ON 10000000	Bldgs: 0-17 mos = 0%; 18-23 mos = .04	500 (CERTSON SOL#)	16%; 48-60 mos = .1							
	dgs: 0-5 mos = .18%; 6-11 mos = .22 %			3%; 36-47 mos = .36	%; 48-60 mos = .	.38%	_			
ESCAL	ATION COST INCREASE (	otal of Estimated Costs x Esc	calation %)				L	\$0		
TOTAL	ESTIMATED PROJECT O	COSTIS (Estimated Costs + Esc	calation Cost Incre	ease)				\$450,000		
							_	THE RESERVE AND ADDRESS OF THE PERSON OF THE		
APPRO	OVED BY: Ha	ma	_	TITLE University	Architect		<u>D</u>	ATE 11/20/15		
	(Governing Board	or Agency Head)						1		

	<del>-</del>						
Ins	stitution: NC State University	Advance Planning Request:					
		New Capital Project*: X					
	crease in Authorization from: \$ to \$ oject Title: Millstone 4H Camp Director's Residence						
Pro	oject Cost: \$175,000						
Soi	urce of Funds: Millstone 4H Center Trust Funds, gifts, a	and camp receipts					
	f this project has previously had advance planning authorithority is carried. Code Item	ity, please identify code/item number under which that					
Fo	r each advance planning project or capital construction	on project, please provide the following:					
1.	A detailed project description and justification:						
1.	This project involves the procurement and installation of Camp Director Residence and garage, located in Richm work, surface parking, utility connections, and septic sy	nond County near Ellerbe, NC. The project includes site					
2. An estimate of acquisition, planning, design, site development, construction, contingency and other related cost (a completed OC-25 form)							
	See attached OC-25.						
3.	An estimated schedule of cash flow requirements over t construction only):	the life of the project by FY quarters (Answer for capital					
	FY 2016 FY 2017 \$1,829	\frac{Q3}{\$47,740} \frac{Q4}{\$125,431}					
4.	An estimated schedule for the completion of the project	t:					
	Design Start: 2/01/16 Design Complete: 2/29/16 Construction Start: 3/1/16 Construction Complete: 5						
5.	An estimate of maintenance and operating costs and sor covering the first five years of operation (Answer for ca	urce of funding to support these costs, including personnel, apital construction only):					
	M&O costs are estimated to be \$2500 annually for the fcosts are paid from the 4-H camp receipts account.	first five years of operation. Maintenance and Operating					
6.	An estimate of revenues, if any, likely to be derived from (Answer for capital construction only):	om the project, covering the first five years of operation					
	No revenues are expected to be derived from this project	ct.					
7.	An explanation of the means of financing:						

This project will be funded by Millstone 4H Center Trust Funds, gifts, and 4-H camp receipts.

Revised 5-14-2014

Form OC-25 (Rev 05/12)

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

DEPARTMENT and DIVISION: North Carolina State University DATE:								11/30/15
PROJECT IDENTIFICATION: Millstone Director's Residence								
PROJ	ECT CITY or LOCATION:	Ellerbee, NC						
PROJ	ECT DESCRIPTION & JUSTIFICATION	ON: (Attach add'l data a	s necessary to ind	licate need, size, fu	unction of improv	vements a	s well as a master p	olan.)
	roject involves the installation of a ne							
	es site work, surface parking, utility co						<b>3</b>	
			<del></del>					
(Definit	ons/explanations are provided on pg 2 to	assist in completion o	f this form.)					
	ENT ESTIMATED CONSTRUCTION		S.	QTY	UNIT	COS	T PER UNIT	TOTAL
A.	Land Requirement					-		\$0
B.	Site Preparation							
	1. Demolition					T		\$0
	2. Site Work (grading)			1	lump sum	\$	12,000.00	\$12,000
	3. Site Work (Surface Parking and	sidewalk)		1	lump sum	\$	4,229.00	\$4,229
C.	Construction					-		<u> </u>
	1. Utility Services (septic and serv	ice connections)		1	lump sum	\$	7,000.00	\$7,000
	2. Building Construction (new space				Trainip Guill	<u> </u>	7,000.00	\$0
	3. Building Construction (existing)	/						\$0
	4. Plumbing (new & existing space	e)						\$0
	5. HVAC (new & existing space)	,						\$0
	6. Electrical (new & existing space	)						\$0
	7. Fire Supression and Alarm Syst		space)					\$0
	8. Telephone, Data, Video (new 8		, -,,					\$0
	9. Associated Construction Costs	0 1		1	lump sum	\$	2,820.00	\$2,820
	10. Other:							\$0
D.	Equipment		-					
	1. Fixed (modular building, slab, a	nd garage)		1	lump sum	\$	139,000.00	\$139,000
	2. Moveable	0 0,						\$0
<b>ESTIM</b>	ATED CONSTRUCTION COSTS				•			\$165,049
Items be	low may be calculated by percentage or lu	mp sum. If using lump	sum, make entry	in \$ field.			_	
DESIG	N FEE	%	(% of Estimate	d Construction C	osts)			\$5,000
PRECO	DNSTRUCTION COSTS	%	(% of Estimate	d Construction C	osts [1% for C	M@Risk	1)	\$0
COMM	ISSIONING -			1.0% moderate;			· F	\$0
SPECI	AL INSPECTIONS/MATERIALS		(1.25% estimate		•			\$0
SUSTA	INABILITY			d, 2% LEED Silve	er)			\$0
	-						- F	
۸۵۷۸۸	ICE PLANNING	0/_		amming, feasibility de Construction Construc				60
אטאאוי	_	/6	(% UI ESIIIIale	u Construction G	0515)		-	\$0
CONTI	NGENCIES	3 %	(% of Estimate	d Construction Co	osts [3% New	or 5% R	&R])	\$4,951
	***						Г	
ESTIM	ATED COSTS (% of Estimated Cor	struction Costs + Con	tingencies + De	sign Fee)				\$175,000
Escalat	on = percent per month multiplied by	number of months					_	
(From E	st. Date to mid-point of construction) =		3	months	0	% per m	nonth	
General B	ldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 m	ios = .12%; 36-47 mos = .1	6%; 48-60 mos = .	18%				
	gs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mo			3%; 36-47 mos = .36	%; 48-60 mos =	.38%	-	
ESCAL	ATION COST INCREASE (Total of E	stimated Costs x Esc	alation %)					\$0
TOTAL	ESTIMATED DOG JEGT COSTS	(Fatimate 10 : =					_	
IUIAL	ESTIMATED PROJECT COSTS	(Estimated Costs + Esc	calation Cost Incre	ease)				\$175,000
۷ ۵۵۵۵	VED BY						_	ATE 12-1-15
AFFAC		NGO V	200	TITLE University	Architect			AIE 12 1 13
	(Governing Board or Agency	nedu)						

Ins	titution:	NC State Unive	ersity		Advance Planning Request:				
					New Capital Project*: X				
	rease in Authorization in Title: CMAST								
	oject Cost: \$400,00								
Sou	urce of Funds: Hous	sing Receipts							
	this project has prevention that the contract the contract that th			ority, please ide	entify code/item number under which that				
Fo	r each advance pla	nning project or	capital construc	ction project, p	lease provide the following:				
1.	A detailed project	description and j	ustification:						
	This project will provide required code upgrades to a newly purchased 13-unit townhouse building. The building will house NC State students who take classes at the Center for Marine Sciences and Technology (CMAST). The code upgrades include lowering windows to meet code in sleeping rooms, upgrading the life safety system, installing a sprinkler system, upgrading the site to include an ADA parking space, and installing washers/dryers.								
2.	An estimate of acq (a completed OC-2		g, design, site dev	relopment, cons	truction, contingency and other related cos	sts			
	See attached OC-2	5.							
3.	An estimated sched construction only):		requirements over	er the life of the	project by FY quarters (Answer for capital	al			
	FY 2016 FY 2017	<u>Q1</u> \$224,728	<u>Q2</u> \$85,483	Q3 \$28,152	<u>Q4</u> \$61,637				
4.				ect:					
	Design Start: Febru Construction Start:	ary 1, 2016	Design Compl	ete: March 30, Complete: Septe					
5.	An estimate of mai		_		ng to support these costs, including person ction only):	nel			
	N/A								
6.	An estimate of revo			from the project	t, covering the first five years of operation				
	N/A								
7.	An explanation of	the means of fina	ıncing:						
. •	Housing receipts w			on of this projec	rt				

# STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE OPOSED BEDAIR & PENOVATION OF CARITAL IMPROVEMENT PROJECT

Form OC-25 (Rev 05/12)

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

DEPARTMENT and DIVISION: PROJECT IDENTIFICATION:	Upgrades		-	DATE:_	11/20/15			
PROJECT CITY or LOCATION: Morehead City, NC								
PROJECT DESCRIPTION & JUSTIFICAT								
The project will provide required code upg								
classes at The Center for Marine Sciences				The state of the s		110000 000000 00000		
upgrading the life safety system, installing	<u>a sprinkler system, u</u>	pgrading the si	<u>te to include an</u>	ADA parkin	g space	, and installating	g washer/dryers.	
						100 0000		
(Definitions/explanations are provided on pg 2 to		t this form.)	OTV.	LINUT	T 000	T DED LINUT T	TOTAL	
CURRENT ESTIMATED CONSTRUCTION	10051		QTY	UNIT	COS	T PER UNIT	TOTAL	
<ul><li>A. Land Requirement</li><li>B. Site Preparation</li></ul>				<u> </u>	L		\$0	
Site Preparation     Demolition							\$0	
2. Site Work			1	lump sum	\$	10,000.00	\$10,000	
C. Construction			1	Tullip Sulli	ļΨ	10,000.00]	\$10,000	
Utility Services						Т	\$0	
Building Construction (new spa	200)				-	<del></del>	\$0	
Building Construction (new special section)     Building Construction (existing)			12000	gsf	\$	13.75	\$165,000	
Plumbing (new space)	ορασο)		12000	gsf	\$	1.00	\$12,000	
5. HVAC (new space)			12000		\$	3.00	\$36,000	
6. Electrical (new space)			12000		\$	1.00	\$12,000	
7. Fire Suppression and Alarm Sy	stems (new space)		12000	gsf	\$	7.80	\$93,600	
8. Telephone, Data, Video (new							\$0	
<ol><li>Associated Construction Costs</li></ol>			1	lump sum	\$	1,226.00	\$1,226	
10. Other: Security			1	lump sum	\$	18,000.00	\$18,000	
D. Equipment								
1. Fixed							\$0	
2. Moveable		ĺ					\$0	
ESTIMATED CONSTRUCTION COSTS						L	\$347,826	
Items below may be calculated by percentage or le	ump sum. If using lump	sum, make entry	in \$ field.					
DEGLOVIEE	10.0/					_	¢04.700	
DESIGN FEE			d Construction Co		MAR: I	,,	\$34,783	
PRECONSTRUCTION COSTS			d Construction Co			<sup>1)</sup>  -	\$0 \$0	
COMMISSIONING			.0% moderate; 1	.5% complex	)	-	\$0	
SPECIAL INSPECTIONS/MATERIALS		(1.25% estimate		,		-	\$0	
SUSTAINABILITY	%	(3% LEED Gold	d, 2% LEED Silve	er)		-	\$0	
			mming, feasibility					
ADVANCE PLANNING	%	(% of Estimated	d Construction Co	osts)		_	\$0	
CONTINGENCIES	5 %	(% of Estimated	d Construction Co	sts [3% New	or 5% R	&R1)	\$17,391	
,						· ·		
ESTIMATED COSTS (% of Estimated Co	onstruction Costs + Con	tingencies + Des	sign Fee)				\$400,000	
Escalation = percent per month multiplied by		J	0 ,					
(From Est. Date to mid-point of construction) =		8	months	0	% per m	nonth		
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35		6%; 48-60 mos = .1	18%					
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m			%; 36-47 mos = .369	%; 48-60 mos =	.38%	_		
ESCALATION COST INCREASE (Total of I	Estimated Costs x Esc	alation %)				L	\$0	
TOTAL ESTIMATED PROJECTICOSTS	(Estimated Costs + Esc	calation Cost Incre	ase)			Г	\$400,000	
	(Edimated Obsta + Est	Januari Oost Hole	400/			L	/ /	
APPROVED BY:			TITLE University	Architect		DA	ATE 11/20/15	
(Governing Board or Agend	y Head)	s					7 -7	

Ins	titution:	University of I	North Carolina at C	Charlotte		Planning Request:			
	rease in Authoriza oject Title: Belk P			-	New	Capital Project*: X			
Pro	oject Cost: _\$3,000	0,000							
Soi	urce of Funds: Car	ry Forward, Facil	lities & Administra	tive Receipts (	F&A), Gifts				
	this project has prohority is carried.			ority, please ide	entify code/item nur	nber under which that			
Fo	r each advance pl	anning project o	r capital construc	tion project, p	lease provide the f	ollowing:			
1.	A detailed project	t description and j	justification:						
	on the campus. It staff. Previously over 40 years. It intends to redesig reflection, and co and less costly to plaza, and constru	is the center of catthe central feature was recently neces in the entire 50,00 nversation. Revita maintain, improvaleting a new icon	ampus life and an i e in the plaza was t essary to remove th 00 square foot plaza alization will focus ring campus pedest	mportant outdo he Belk Tower e tower due to a to create a dyn on updating the rian and bike ces. This project	or gathering space in an iconic landmark structural and safety namic outside envirue area with plant marked irculation, adding so will ensue from pu	by the first buildings built for students, faculty and k for UNC Charlotte for y concerns. UNC Charlotte onment for rest, study, aterials that will be easier eating walls to define the blic input of the campus			
2.	An estimate of ac (a completed OC-		g, design, site deve	elopment, cons	truction, contingenc	y and other related costs			
	Attached								
3.	An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):								
	FY17 QTR 1	\$25,000	FY17 QTR 3	\$75,000	FY18 QTR 1	\$975,000			
	FY17 QTR 2	\$75,000	FY17 QTR 4	\$875,000	FY 18 QTR 2	\$975,000			
4.	An estimated sch	edule for the com	pletion of the proje	ect:					
	Design Start	7/1/2	2016	Construction	Start 5/1/20	17			
	Construction Con	nplete 1/1/2	2018						
5.			perating costs and stration (Answer for			costs, including personnel,			
	N/A								
6.	An estimate of re (Answer for capit			rom the project	, covering the first t	five years of operation			
	N/A								
7.	An explanation of	f the means of fin	ancing:						
	If UNC Charlotte	's FY16 carryforv	vard is approved, a	portion will be	transferred to capit	tal to fund advanced			

planning and the majority of this project. Facilities & Administrative receipts will be used to supplement carryforward funds, or as an alternative source should carryforward not be approved. If realized, gifts will be an

alternate and primary funding source.

Form OC-25 (Rev 05/12)

### PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT

BIENNIUM 2013 - 2015

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

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

DEPARTMENT and DIVISION:	UNC Charlotte				DATE:	11/30/15
PROJECT IDENTIFICATION:	Belk Plaza Revitali	zation			_	
PROJECT CITY or LOCATION:	Charlotte, NC					
PROJECT DESCRIPTION & JUSTIFIC buildings build on the campus. It is the central feature in the plaza was the Bel due to structural and safety concerns. Use for rest, study, reflection, and conversa maintain, improving campus pedestrian This project will ensue from public input	center of campus life and k Tower, an iconic landm JNC Charlotte intends to tion. Revitalization will for and bike circulation, add	an important or ark for UNC Cha redesign the eni cus on updating ling seating wall	utdoor gatheriallotte for ove tire 50,000 so the area with s to define the	ing space for er 40 years. Juare foot p plant mate e plaza, and	or students, faculty and It was recently necess laza to create a dynami rials that will be easier d constructing a new icc	staff. Previously the ary to remove the tower ic outside environment and less costly to
CURRENT ESTIMATED CONSTRUCT	ION COST	:::	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement	1011 0031		<u> </u>		00011 ER 01111	\$0
B. Site Preparation		_				ΨΟ
1. Demolition						\$0
2. Site Work		-	50,000	SF	\$ 16.00	
C. Construction		L	00,000	101	Ψ 10.00	Ψ000/000
Utility Services						\$0
Building Construction (new	snare)		1	LS	\$ 1,804,658.25	
Building Construction (exist			•		Ţ .,job.i,jobb.i20	\$0
4. Plumbing (new space)	ung)	_				\$0
5. HVAC (new space)						\$0
6. Electrical (Includes TV & R	adio Studio)	-				\$0
7. Fire Supression and Alarm		-				\$0
8. Telephone, Data, Video	Systems	-				\$0
<ol> <li>Felephone, Bata, Video</li> <li>Associated Construction Construction</li> </ol>	nete	-			+	\$0
	ct Support	-	1	LS	\$ 5,000.00	
D. Equipment	ст эцрроп	<u>.</u> L	'	LJ	φ 3,000.00	ψ3,000
1. Fixed						\$0
2. Moveable		-			+	\$0
ESTIMATED CONSTRUCTION COS	тс	L		<u> </u>		\$2,609,658
Items below may be calculated by percentage		sum, make entry in	\$ field.			\$2,007,030
DESIGN FEE	10 %	(% of Estimated	Construction C	osts)		\$260,966
PRECONSTRUCTION COSTS	0 %	(% of Estimated		-		\$0
COMMISSIONING	0 %	(0.5% simple; 1.0		1.5% comple	x)	\$0
SPECIAL INSPECTIONS/MATERIALS		(1.25% estimated	,			\$0
SUSTAINABILITY	0 %	(3% LEED Gold,	2% LEED Silv	er)		\$0
ADVANCE PLANNING	1_%	Includes program (% of Estimated				\$26,097
CONTINGENCIES	3 %	(% of Estimated	Construction C	osts [3% Ne	w <b>or</b> 5% R&R])	\$78,290
	ed Construction Costs + Cor	ntingencies + Desi	gn Fee)			\$2,975,010
Escalation = percent per month multiplie (From Est. Date to mid-point of constructi	,	21	months	0.0	4 % per month	

Institution:		University of	North Carolina at C	Advance Planning Request:					
Inc	crease in Authorizat	ion from: \$	to \$	New Capital Project*: X					
	oject Title: Charlot			ovements					
Pro	oject Cost: \$2,500	,000							
So	urce of Funds: Cari	ry Forward, Faci	lities & Administra	tive Receipts (F&A), C	ifts				
	this project has pre chority is carried. C			ority, please identify co	de/item number under which that				
Fo	r each advance pla	nning project o	or capital construc	tion project, please pr	ovide the following:				
1.	A detailed project	description and	justification:						
	Highway 29. It in that will be coordi	cludes site gradi nated with the n	ng, landscaping, se ew Charlotte Area	at walls, a plaza area, u	campus along Tryon Street/U.S. tilities and roadway improvements light rail and road widening uded.				
2.	An estimate of acc (a completed OC-		ng, design, site deve	elopment, construction,	contingency and other related costs				
	Attached								
3.		An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):							
	FY16 QTR 3	\$83,332	FY17 QTR 2	\$750,000					
	FY16 QTR 4	\$83,334	FY17 QTR 3	\$750,000					
	FY17 QTR 1	\$83,334	FY17 QTR 4	\$750,000					
4.	An estimated sche	dule for the com	pletion of the proje	ect:					
	Design Start	1/25	/2016	Construction Start	10/1/2017				
	Construction Com	plete 7/1/2	2017						
5.				ource of funding to sur capital construction on	port these costs, including personnel, ly):				
	N/A								
6.	An estimate of rev (Answer for capital			rom the project, covering	ng the first five years of operation				
	N/A								
7.	An explanation of	the means of fir	nancing:						
	FY15 carryforwar	d will be used to	fund advanced pla	nning. If UNC Charlot	te's FY16 carryforward is approved, a				

portion will be transferred to capital to fund the majority of this project. Facilities & Administrative receipts will be used to supplement carryforward funds, or as an alternative source should carryforward not be approved. If realized, gifts will be an alternate and primary funding source. A significant gift has been pledged to this project.

Form OC-25 (Rev 05/12)

#### PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT

BIENNIUM 2013 - 2015

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

DEPARTMENT and DIVISION: UNC Charlotte DATE: 12							
PROJECT IDENTIFICATION: Charlotte Research Institute Entrance Improvements							
PROJECT CITY or LOCATION: Charlotte							
PROJECT DESCRIPTION & JUSTIFICATION: This project will of Street/U.S. Highway 29. It includes site grading, landscaping, so the new Charlotte Area Transit System (CATS) light rail and roaincluded.	eat walls, a plaza area, utilities	s and roadwa	ay improvements that	will be coordinated with			
CURRENT ESTIMATED CONSTRUCTION COST	QTY]	UNIT	COST PER UNIT	TOTAL			
A. Land Requirement	<u>Q.1.1</u>	UNII	COSTTERONI	\$0			
B. Site Preparation				ΨΟ			
Demolition	30,000	SF	\$ 0.25	\$7,500			
2. Site Work	30,000		\$ 58.27	\$1,748,100			
C. Construction							
Utility Services	30,000	SF	\$ 2.00	\$60,000			
2. Building Construction (new space)				\$0			
<ol><li>Building Construction (existing)</li></ol>				\$0			
4. Plumbing (new space)				\$0			
5. HVAC (new space)	20,000	CE	¢ 1.00	\$0 \$57,000			
<ul><li>6. Electrical (Includes TV &amp; Radio Studio)</li><li>7. Fire Supression and Alarm Systems</li></ul>	30,000	SF	\$ 1.90	\$57,000 \$0			
<ul><li>7. Fire Supression and Alarm Systems</li><li>8. Telephone, Data, Video</li></ul>				\$0			
Associated Construction Costs	30,000	SF	\$ 10.50	\$315,000			
10. Other: FM Support		LP	\$ 5,382.50	\$5,383			
D. Equipment		<u> </u>					
1. Fixed				\$0			
2. Moveable				\$0			
ESTIMATED CONSTRUCTION COSTS				\$2,192,983			
Items below may be calculated by percentage or lump sum. If using lump	sum, make entry in \$ field.						
	(% of Estimated Construction Co	•		\$219,298			
	(% of Estimated Construction Co	•	• *	\$0			
	(0.5% simple; 1.0% moderate; 1	.5% complex)		\$0 \$0.00			
	(1.25% estimated) (3% LEED Gold, 2% LEED Silve	or)		\$0.00			
303TAINADIEIT	Includes programming, feasibility			Ψ0			
ADVANCE PLANNING 1 %	(% of Estimated Construction Co			\$21,930			
CONTINGENCIES 3 %	(% of Estimated Construction Co	osts [3% New	or 5% R&R])	\$65,789			
ESTIMATED COSTS (% of Estimated Construction Costs + Cor 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 mos = .12%; 36-47 mos = .	12 months	0	% per month	\$2,500,000			
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26%; 18-23 mos = .2	9%; 24-35 mos = .33%; 36-47 mos = .36	6%; 48-60 mos =	.38%				
ESCALATION COST INCREASE (Total of Estimated Construction	n Costs x <b>Escalation %</b> )			\$0			
TOTAL ESTIMATED PROJECT COSTS (Estimated Construction	on Costs + Escalation Cost Increase)			\$2,500,000			

Institution: University of North Carolina at Charlotte		Charlotte		e Planning Request: X w Capital Project*:					
	rease in Authorizati		to \$	_	Ne	w Capital Project <sup>11</sup> .			
			equest of \$1,430,000	(Total Project)	Cost \$14.300.000	)			
		-	-	,		,			
Soi	urce of Funds: <u>Carr</u>	y Forward and	Facilities & Admin	istrative (F&A)	receipts				
	this project has prev hority is carried. Co			ority, please ider	ntify code/item nu	mber under which that			
Fo	r each advance pla	nning project	or capital construc	tion project, pl	ease provide the	following:			
1.	A detailed project	description and	d justification:						
	Mechanical, electroproject will also in project was previous	ical, plumbing clude architect usly authorized acreased costs	tural upgrades, envel d under Campus Infr	logy, and fire pr lop repairs and c astructure Devel	otection systems ode/ADA compli lopment Phase II	s (North and South). will be upgraded. The ance corrections. This (CID 2) authorization. egicts, including this one, be			
2.	An estimate of acq (a completed OC-2		ing, design, site deve	elopment, constr	ruction, contingen	cy and other related costs			
	Attached								
3.	An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):								
	FY18 QTR 1	\$330,000	FY18 QTR 4	\$330,000	FY20 QTR 2	\$3,510,000			
	FY18 QTR 2	\$330,000	FY19 QTR 1	\$2,450,000	FY20 QTR 4	\$3,510,000			
	FY18 QTR 3	\$330,000	FY19 QTR 2	\$3,510,000					
4.	An estimated sched	dule for the co	mpletion of the proje	ect:					
	Design Start	7/1	/2017	Construction	Start 8/1/2	018			
	Construction Comp	plete 7/1	/2019	Occupy	8/1/2	019			
5.			operating costs and seration (Answer for			costs, including personnel,			
	N/A								
6.	An estimate of rev (Answer for capita	•	•	from the project,	covering the first	five years of operation			
	N/A								
7.	An explanation of	the means of f	inancing:						
	planning, and the r	najority of this		Administrative	receipts will also	ital to fund advanced be used as an additional ard not be approved.			

## STATE CONSTRUCTION OFFICE (Rev 05/12) PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT

Form OC-25

BIENNIUM 2013 - 2015

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

C. 9. Associated Construction Costs

DEPARTMENT and DIVISION:		UNC Charlotte DATE: 12/08/15								
	JECT IDENTIFICATION:	Colvard Renoval								
	JECT CITY or LOCATION:	Charlotte, NC	will modernize the building systems of the 1981 vintage Colvard Buildings (North and							
	JECT DESCRIPTION & JUSTIFIC. n). Mechanical, electrical, plumbin									
archi	tectural upgrades, envelop repairs	and code/ADA complia	ance correction	is.		. ,				
CLID		T202 MOL		QTY	UNIT	COST PER UNIT	TOTAL			
A.	RENT ESTIMATED CONSTRUCT Land Requirement	ION COST		Q11	UNIT	COSTFERUNT	\$0			
В.	Site Preparation						Ψ			
Σ.	Demolition						\$0			
	2. Site Work						\$0			
C.	Construction					<u>I</u>				
	<ol> <li>Utility Services</li> </ol>						\$0			
	Building Construction (new	space)					\$0			
	Building Construction (exist)	•		120366.43	SF	\$ 55.7	8 \$6,714,039			
	4. Plumbing (new space)	3,		120366.43	SF	\$ 1.0	1 \$121,570			
	5. HVAC (new space)			120366.43	SF	\$ 22.1	8 \$2,669,727			
	6. Electrical (Includes TV & Ra	adio Studio)		120366.43	SF	\$ 1.1	0 \$132,403			
	7. Fire Supression and Alarm		ng Electrical	120366.43	SF	\$ 6.5	\$782,382			
	8. Telephone, Data, Video			120366.43	SF	\$ 2.0	\$246,751			
	<ol><li>Associated Construction Co</li></ol>	osts					\$0			
	10. Other: ADA	and Life Safety		120366.43	SF	\$7.3	\$888,304			
	11. Other:	Project Support		1	LP	\$ 25,927.0	\$25,927			
D.	Equipment									
	1. Fixed						\$0			
	2. Moveable						\$0			
EST	MATED CONSTRUCTION COS	STS					\$11,581,104			
Items	below may be calculated by percentage	or lump sum. If using lun	np sum, make en	try in \$ field.						
	GN FEE			ited Construction C			\$1,158,110			
	CONSTRUCTION COSTS			ited Construction C			\$115,811			
	MISSIONING		` '	e; 1.0% moderate; 1	1.5% complex	()	\$173,717			
	CIAL INSPECTIONS/MATERIALS		% (1.25% estin		,		\$0 \$0			
505	TAINABILITY			Gold, 2% LEED Silv			\$0			
4517		1 (		gramming, feasibili			ф11F 011			
ADV	ANCE PLANNING	1	% (% of Estima	ited Construction C	osts)		\$115,811			
CON	TINGENCIES	5 9	% (% of Estima	ated Construction C	osts [3% Nev	v <b>or</b> 5% R&R] )	\$579,055			
		ed Construction Costs + C	-	Design Fee)			\$13,723,609			
	lation = percent per month multiplie	•								
	Est. Date to mid-point of construction			months	0.12	2 % per month				
	al Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; :									
	Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12			фГ7/ 202						
ESC	ALATION COST INCREASE (Tota	al of Estimated Construc	tion Costs x <b>Es</b> o	calation %)			\$576,392			
TOT	AL ESTIMATED PROJECT COS	STS (Estimated Constru	ıction Costs + Esc	alation Cost Increase)	)		\$14,300,000			
		`								
APPI	ROVED BY:			DATE						
	(Governing Board or A									
	STATE OF	NORTH CAROLINA - I			PATION		Form OC-25			
		STATE CONST					(Rev 05/12)			
	PROPOSED RE	EPAIR & RENOVATION		. IMPROVEMENT	F PROJECT					
			M 2013 - 2015							
		DEFINITIONS (			0 0	0.66				
(Item	s not listed below are presumed to	be self-explanatory. (	Questions may	be directed to the	e State Cons	struction Office.)				
	Item on Form				Definition	Evalonation				
	item on Form				Delinition	Explanation				
CLID	RENT ESTIMATED CONSTRUCT	TON COST	Attach hasis an	nd justification for	actimata In	clude description aux	antities, units, special			
CUIX	KENT ESTIMATED CONSTRUCT	ION COST /	Allacii basis aii	iu justincation foi	csimale. III	ciude description, qua	anililes, units, special			
ΔΙα	nd Requirement	ı	ncludes nurch:	ase and acquisition	n costs (title	e search, filing fees, c	ither legal fees etc.)			
7 t. Lu	na requirement	·	noidaes paren	ase and dequisition	711 COSIS (IIII)	sourch, ming roos, o	and logal roos, old.)			
		,					مو مواليان والمراجع وموسود			
B. 1.	Demolition			•		or aspesios testing ar	nd removal, building or			
		ı	nterior space o	lemolition in whol	e or part.					
Б. О	C'1 . W I			-			and/or rock removal,			
B. 2. Site Work							mwater management,			
		r	etaining walls,	rainwater harves	ung systems	s, ianascaping.				
0 1	Halla Cambridge		A.I 1		16.99	and and the state of	al a sur to the state of the st			
U. 1.	Utility Services						al service requirements			
		1	wiiii appropriate	e uistance to exis	ang bullding	s, water, gas, electric	al or other utility service.			
						_				
		İ	ncludes but ma	ay not be limited t	o constructi	on fire alarm testing,	utility shut downs,			

Office charges.

utilities, signage, security, displaced parking, staging, lock cores, keys, State Construction

Ins	stitution:	Appalachian State University	Advance Planning Request:					
	crease in Authoriza oject Title: Anne l	ation from: \$ 9,008,358 to \$9,458,358 Belk Hall HVAC	New Capital Project*:					
	oject Cost: \$450,0							
So	urce of Funds:	2015 Energy Savings Carry Forward						
		reviously had advance planning authority, please ic Code <u>41030</u> Item <u>307</u>	dentify code/item number under which that					
Fo	r each advance p	lanning project or capital construction project,	please provide the following:					
1.	A detailed project	ct description and justification:						
	Replace the air h for the building.	nandler and associated ductwork to provide adequate	te outside air ventilation and energy efficiency					
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)							
		total project cost for construction administration feet the original Anne Belk Hall project (41030-307)	es and construction for the project. Design fees					
3.	An estimated sch construction only	nedule of cash flow requirements over the life of th	ne project by FY quarters (Answer for capital					
	4 <sup>th</sup> Qtr 1	15-16: \$450,000						
	4. An estimated	d schedule for the completion of the project: Feb 2	2016 – August 2016					
5.		naintenance and operating costs and source of fund t five years of operation (Answer for capital constr						
	N/A							
6.		evenues, if any, likely to be derived from the projectial construction only):	ct, covering the first five years of operation					
	N/A							

7. An explanation of the means of financing: 2015 Energy Savings Carry Forward

Form OC-25 (Rev 05/12)

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

	ARTMENT and DIVISION: DJECT IDENTIFICATION:	Appalachian State Uni Anne Belk Hall HVAC				. DA	TE: _	01/06/16
	DJECT IDENTIFICATION:	Boone, NC	Керіасетіеті					
	DJECT DESCRIPTION & JUSTIFIC		acconsta Indicata	nood olao fuu	ation of improve	omente se well se e me	otor pla	
	lace the air handler and associated							п.)
Kep	lace the all Hamulet and associated	a ductivork to provide adequa	ile outside all	ventilation a	inu energy ei	inciency for the bui	lullig	
(Defi	nitions/explanations are provided on p	a 2 to assist in completion of this	s form )					
	RRENT ESTIMATED CONSTRUCT		5 101111.)	QTY	UNIT	COST PER UNI	T I	TOTAL
A.	Land Requirement	11011 0001	::::::			999=		\$0
В.	Site Preparation		<u> </u>		1			
	Demolition						$\top$	\$0
	2. Site Work						+	\$0
C.	Construction							
	Utility Services						$\Box$	\$0
	Building Construction (new	/ space)					$\dashv$	\$0
	Building Construction (exist	•					$\dashv$	\$0
	4. Plumbing (new space)	9/					$\dashv$	\$0
	5. HVAC (exisiting space)			1	LS	\$ 380,000	0.00	\$380,000
	6. Electrical (Includes TV & R	Radio Studio)					$\top$	\$0
	7. Fire Supression and Alarm	•					$\dashv$	\$0
	8. Telephone, Data, Video	,					$\top$	\$0
	<ol> <li>Associated Construction C</li> </ol>	Costs		1	LS	\$ 11,000	0.00	\$11,000
	10. Other:							\$0
D.	Equipment				•			
	1. Fixed							\$0
	2. Moveable							\$0
EST	IMATED CONSTRUCTION COS	STS						\$391,000
Items	below may be calculated by percentage	e or lump sum. If using lump sum	, make entry in \$	field.				
							_	
	IGN FEE		of Estimated C				L	\$23,460
	CONSTRUCTION COSTS		of Estimated C				L	\$0
	MMISSIONING		5% simple; 1.0%		1.5% complex	)	L	\$0
	CIAL INSPECTIONS/MATERIALS	•	25% estimated)				L	\$0
SUS	TAINABILITY	0 % (3%	% LEED Gold, 2	% LEED Silv	er)		L	\$0
			cludes programn					
ADV	ANCE PLANNING	0 % (%	of Estimated C	onstruction C	osts)		L	
CON	ITINGENCIES	5 % (%	of Estimated C	onstruction C	osts [3% New	or 5% R&R])		\$19,550
EST	IMATED COSTS (% of Estimate	ed Construction Costs + Conting	gencies + Desig	n Fee)				\$434,010
Esca	alation = percent per month multipli	ed by number of months						
	m Est. Date to mid-point of construct		6	months	0	% per month		
Gene	ral Bldgs: 0-17 mos = 0%; 18-23 mos = .04%;	24-35 mos = .12%; 36-47 mos = .16%;	; 48-60 mos = .18%	6				
Health	n Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 1	2-17 mos = .26%: 18-23 mos = .29%: 2	24-35 mos = .33%:	36-47 mos = .3	36%: 48-60 mos =	= .38%		
	ALATION COST INCREASE (Total			00 17 11100 10	70707 10 00 11100			\$0
	•		•				<u> </u>	
TOT	AL ESTIMATED PROJECT CO	STS (Estimated Costs + Escala	ition Cost Increase	e)				\$434,010
۷۲۰			-				_	
APP	ROVED BY:(Governing Board or	Anoncy Hoad)	<u>TIT</u>	LE			<u>DF</u>	ATE
	(Governing board of	nyonoy neau)						

Institution:	NC State University	Advance Planning Request:  New Capital Project*:						
	orization from: \$\(\begin{align*} \) \(\begin{align*} \) \(	000						
Project Cost: \$500,000 (Total Project Budget of \$3,000,000 including previously authorized \$2,500,000)								
Source of Funds:	CVM Trust Funds (\$300,000) and F&A (\$200	,000)						

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

1. A detailed project description and justification:

This increase is being requested to cover the cost of work associated with existing mechanical conditions newly discovered during design, and increased commissioning costs.

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

See attached OC-25.

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

	_Q1	<u>Q2</u>	<u>Q3</u>	<u>Q4</u>
FY 2015				\$10,972
FY 2016	\$113,596	\$50,126	\$33,414	\$20,807
FY 2017	\$511,039	\$1,370,389	\$484,260	\$157,636
FY 2018	\$247,761			

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

Design Start: 6/16/15 Design Complete: 4/28/16 Construction Start: 7/5/16 Construction Complete: 3/24/17

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

N/A

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

No revenues will be derived from this project.

7. An explanation of the means of financing:

College of Veterinary Medicine Trust Funds will fund \$300,000 of this increase, F&A will fund \$200,000 of this increase.

<sup>\*</sup>If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code\_41424\_ Item \_321

#### Form OC-25

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

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

DEPARTMENT and DIVISION: NC State University						DATE:	11/16/15	
PROJECT IDENTIFICATION: CVM 3B Lab Renovation								
PROJECT CITY or LOCATION: Raleigh - West Campus Precinct								
PROJECT DESCRIPTION & JUSTIFICAT	ION: (Attach add'l data a	as necessary to inc	dicate need, size, fu	inction of impro	vements a	as well as a master	plan.)	
Renovation of College of Vet Medicine Ma	in Building research	lab module B -	third floor, to a	accommodat	te discip	line clusterina ir	a more open and	
flexible layout. Renovations include wet lab								
			N					
(Definitions/explanations are provided on pg 2 to	o assist in completion	of this form.)						
CURRENT ESTIMATED CONSTRUCTION	N COST		QTY	UNIT	COS	T PER UNIT	TOTAL	
A. Land Requirement							\$0	
B. Site Preparation						-		
1. Demolition							\$0	
2. Site Work							\$0	
C. Construction								
<ol> <li>Utility Services</li> </ol>						1	\$0	
<ol><li>Building Construction (new spa</li></ol>	ace)						\$0	
<ol><li>Building Construction (existing)</li></ol>			8700	GSF	\$	132.25	\$1,150,575	
4. Plumbing (existing)	7.		8700	GSF	\$	18.50	\$160,950	
<ol><li>HVAC (existing)</li></ol>			8700	GSF	\$	61.50	\$535,050	
<ol><li>Electrical (existing)</li></ol>			8700	GSF	\$	35.00	\$304,500	
<ol><li>Fire Supression and Alarm Sys</li></ol>	stems		8700	GSF	\$	3.00	\$26,100	
8. Telephone, Data, Video			8700	GSF	\$	6.50	\$56,550	
<ol><li>Associated Construction Costs</li></ol>			1	lump sum	\$	21,828.00	\$21,828	
<ol> <li>Other: abatemer</li> </ol>	nt	_	8700	GSF	\$	5.00	\$43,500	
D. Equipment		_						
1. Fixed							\$0	
<ol><li>Moveable</li></ol>			1	lump sum	\$	220,000.00	\$220,000	
ESTIMATED CONSTRUCTION COSTS							\$2,519,053	
Items below may be calculated by percentage or lu	ump sum. If using lump	sum, make entry	y in \$ field.			,		
DESIGN FEE	10 %	(% of Estimate	d Construction C	osts)			\$251,905	
PRECONSTRUCTION COSTS	0.15 %	(% of Estimate	d Construction C	osts [1% for C	M@Risk	(])	\$3,779	
COMMISSIONING	1.0 %	(0.5% simple;	1.0% moderate; 1	.5% complex	)		\$25,191	
SPECIAL INSPECTIONS/MATERIALS	0.05 %	(1.25% estimat	ted)				\$1,260	
SUSTAINABILITY	%	(3% LEED Gol	d, 2% LEED Silve	er)			\$0	
_		Includes progra	amming, feasibilit	v analycic				
ADVANCE PLANNING	%	(% of Estimate	d Construction Co	y, ai iaiyoio netel			\$72,860	
	:					-		
CONTINGENCIES	5 %	(% of Estimate	d Construction Co	osts [3% New	or 5% F	R&R])	\$125,953	
ESTIMATED COSTS (% of Estimated Co	onstruction Costs + Co	ntingencies + De	esign Fee)			L	\$3,000,000	
Escalation = percent per month multiplied by	number of months							
(From Est. Date to mid-point of construction) =		12	months	0	% per n	nonth		
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 r	mos = .12%; 36-47 mos = .	16%; 48-60 mos = .	18%					
11. W. B. L								
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mo			3%; 36-47 mos = .36	%; 48-60 mos =	.38%	_	. 1	
ESCALATION COST INCREASE (Total of E	estimated Costs x Esc	calation %)					\$0	
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Incre	2250)				\$3,000,000	
TOTAL ZOTIMATED TROOLET GODIS	Leginaled Costs + Es	calation oust inch	543C)			_		
APPROVED BY: thath	IPPROVED BY: Title University Architect DATE 11/20/15							
(Governing Board or Agency	y Head)	_	== Startoloity F					