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

with non-appropriated capital improvements projects using available funds derived from carry-forward, campus enterprise receipts, campus life receipts, housing receipts, facilities and administrative funds, gifts, grant, private

donations, trust funds, and public safety trust accounts.

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

advance planning projects at UNC campuses using available funds.

Assessment: ASU, NCA&T, NCSU, UNC-CH and UNCP 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 Improvement Projects – Appalachian State University, North Carolina A&T State University, North Carolina State University of North Carolina at Chapel Hill, and the University of North Carolina at Pembroke

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

<u>ASU – J.E. Thomas Building Roof Replacement</u>: This project will replace the roof membrane, flashings and roof cap. The flat membrane roof and precast parapet caps of the J.E. Thomas Building are seriously deteriorated and leak frequently due to age. There are a large number of structural penetrations through the roof membrane. The project, estimated to cost \$494,477, will be funded by 2011 R&R (\$45,000) and Carry Forward (\$449,477), and will be completed by August 2015.

NCSU – D.H. Hill Library - Faculty Research Commons: The project will modify approximately 4,300 SF of library shelving space into a Faculty Research Commons. The renovation will modify excess open areas of book stack space (due to the opening of the Hunt Library) into new enclosed and open collaborative/study spaces on the second floor of D.H. Hill Library. The project, estimated to cost \$475,000, will be funded by library facilities and administrative receipts, and will be completed by August 2015.

<u>NCSU – Talley Retail Space</u>: The interior upfit project renovates approximately 2,700 SF of recently constructed shell space into three retail spaces for the Wolfpack One Card, Entrepreneur Initiative, and Princeton Review entities. The project creates product display, point of sale counters, workstation spaces, and associated support space. The project, estimated to cost \$342,975, will be funded by campus enterprise receipts, and will be completed by May 2015.

NCSU – Greek Village Phase 2 Infrastructure: Greek Village has completed Phase 1 of the five phases of the Greek Master Plan adopted to meet the growth needs of the Greek community at NCSU. This Phase 2 Infrastructure project will expand the roads, utilities, parking, and building pads to prepare for construction of two Chapter houses and multi-residential buildings A, B, and C on the Master Plan. The project, estimated to cost \$6,301,000, including previously approved advance planning authority of \$200,000, will be funded by campus life receipts and will be completed by November 2016.

<u>UNC-CH – Campus Way-Finding Sign Project</u>: This project includes design, fabrication, and installation of approximately 1,200 signs for the main campus. The sign types include accessible blaze, pedestrian way-finding, information kiosk, vehicular way-finding, and parking lot identification signs. The project, estimated to cost \$2,466,250, including previously approved advance planning authority of \$250,000, will be funded by open space trust funds and will be completed by December 2016.

<u>UNC-CH – Morehead Planetarium Building, Renovation of Classrooms, Offices and Exhibit Space</u>: This project will improve the existing Planetarium by increasing accessibility, improving visitor flow and enlarging the public educational space. Approximately 8,000 SF of staff offices, classrooms and exhibit halls will be renovated and new educational exhibits will be installed. The project, estimated to cost \$5,576,122, will be funded by private donations and gifts, and will be completed by July 2019.

<u>UNC-CH – South Building Accessibility Improvements</u>: This project will provide accessibility improvements throughout South Building, including corrections to the exterior ramp, toilet rooms, drinking fountains, and doors. The project, estimated to cost \$319,700, will be funded by facilities and administrative receipts, and will be completed by September 2015.

<u>UNC-CH – Battle Grove Regenerative Stormwater Conveyance</u>: Battle Grove located on main campus, contains a tributary of Battle Branch that was piped in the 1930's. This project will daylight a portion of Battle Branch, enhance the stream buffer, and construct a regenerative stormwater conveyance (RSC) to improve the water quality. The project, estimated to cost \$362,439, will be funded by a N.C. Department of Natural Resources Section 319 Grant and storm water receipts, and will be completed by April 2017.

<u>UNC-CH – Medical Biomedical Research Building (MBRB)/Glaxo Building</u>: The existing air handler number 3 (AHU-3) serves 8,000 SF of the second floor in the MBRB/Glaxo Building. AHU-3 is critical to the building's mission as a medical research and lab building. Presently, a temporary rental unit is providing service to the building. AHU-3 was at the end of its useful life and was scheduled to be replaced within the next three years. However, it has failed and must be replaced immediately. The new AHU will provide conditioned air to the research area and allow for the labs to be properly pressurized to insure health of building occupants. The project, estimated to cost \$440,000, will be funded by facilities and administrative receipts, and will be completed by May 2015.

<u>UNC-CH – Campus Safety Upgrade</u>: The project will improve campus safety and the University's emergency response and upgrade the Emergency Operation Centers located in the South Building, Public Safety Building, and the Environmental Health and Safety Building. In addition, this project will install approximately 800 security cameras for the campus. The project, estimated to cost \$4,750,000, will be funded by facilities and administrative receipts and public safety trust accounts, and will be completed by December 2015.

<u>UNC-P – Renovate Existing Toilets - Belk Hall</u>: Belk Hall was constructed in 1969. The toilets have never been renovated. This project will install water-saving fixtures and ensure that the toilets are ADA compliant. The existing finishes and toilet partitions will be upgraded. The project, estimated to cost \$498,750, will be funded by housing receipts, and will be completed by June 2015.

<u>Authorization for Advance Planning of New Capital Improvement Project – North Carolina State University</u>

North Carolina State University has requested authority to establish advance planning of the following project.

<u>NCSU – Centennial Biomedical Campus Chiller Plant Expansion</u>: Centennial Biomedical Campus will experience significant growth in the next ten years, resulting in an increased demand for a chiller plant expansion. This project will provide complete design, procurement, and installation services to increase the chilled water generation capacity at the Centennial Biomedical Campus Utility Plant. Design and construction will be funded in phases as funding availability permits. This advance planning authorization will utilize \$200,000. The project, estimated to cost \$3,626,448, will be funded from thermal assessment receipts.

<u>Authorization to Increase the Scope of a Capital Improvements Project – North Carolina A&T State University</u>

North Carolina A&T State University has requested authority to increase the scope of a previously approved capital improvements project.

<u>NCA&T – Agricultural Pavilion</u>: This project, approved in May 2005 by the Board, needs additional funding to construct a new 17,200 SF facility that will include a 6,000 SF multipurpose room, offices, and classrooms. The increase in authorization of \$3,328,000 (from \$1,200,000 to \$4,528,000) will be funded by a federal grant.

Ins	titution:	Appalachian Stat	e University		Advance Planning Request: New Capital Project*:					
	crease in Authoriza oject Title:JET R	tion from: \$45,00 Roof Replacement	00 to \$_494,477	7	New Capital Project.					
Pro	oject Cost: <u>\$494,</u> 4	477								
*If	this project has pro	11 R&R (\$45,000) a eviously had advanc Code 41130 Item 3	e planning author		tify code/item number under which that					
Fo	r each advance pl	anning project or c	apital constructi	on project, ple	ase provide the following:					
1.	flat membrane ro	of and precast parap	et caps of the J.E.	Thomas Build	oof membrane, flashings and roof cap. The ing are seriously deteriorated and leak rations through the roof membrane.					
2.		tal construction only			action, contingency and other related costs form)					
3.	An estimated sche	An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):								
	FY2015: FY2016: FY2017:	Q1: 50,000 Q1: Q1:	Q2: 400,000 Q2: Q2:	Q3: 44,477 Q3: Q3:	Q4: Q4: Q4:					
4.	An estimated sch	edule for the comple	etion of the projec	t:						
	Design Start: Construction	4/28/2014 Start: 5/13/2015		Design Complete: 1/5/2015 Construction Finish: 8/26/2015						
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.	(Answer for capit	tal construction only):	om the project, o	covering the first five years of operation					
	No revenues	will be derived from	i inis project							

Revised 8-27-2012

7. An explanation of the means of financing:

Source of funding: 2011 R&R and Carry Forward

Form OC-25 (Rev 05/12)

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

DEP	ARTMENT and DIVISION:	Appalachian Sate l	Jniversity			DA	TE: 12	/12/14
PRO	JECT IDENTIFICATION:	J.E. Thomas Buildi	ng Roof Replac	cement		•		
PRO	JECT CITY or LOCATION:	Boone						
PRO	JECT DESCRIPTION & JUSTIFICAT	ION: (Attach add'l data as	necessary to indic	ate need, size, fu	ınction of impro	vements as well as a m	aster plan.)	
The	lat membrane roof of the J.E. Thoma	s Building is seriously	deteriorated an	d leaks freque	ently due to it	s age and the large	e number	of structural
	trations through the roof membrane.	The membrane and u	nderlying insula	ation need to b	e replaced, a	and the parapet wa	II caps ne	ed to be properly
flash								
	itions/explanations are provided on pg 2		this form.)	' ' OTV '	I TAUT	I' COCT DEDUM	T : 10 : 10 : 1	' TOTAL'
	RENT ESTIMATED CONSTRUCTIO	N COST	ŀ	QTY	UNIT	COST PER UNI	h, t	TOTAL
A.	Land Requirement		L					\$0
B.	Site Preparation		г		1	1		¢Ω
	1. Demolition		-					\$0 \$0
C.	2. Site Work		L					\$0
C.	Construction		Г			1		40
	Utility Services Dutilities Construction (construction)	\					_	\$0 \$0
	Building Construction (new sp Building Construction (swinting)		-	24000	CE	¢ 10	1.75	\$450,000
	Building Construction (existing Blumbing (new engage)	3)	-	24000	31	\$ 18	0.73	\$450,000
	4. Plumbing (new space)							\$0
	5. HVAC (new space)	in Ctudio)	-					\$0
	6. Electrical (Includes TV & Radi7. Fire Supression and Alarm Sy		-					\$0
	8. Telephone, Data, Video	78161118	-				-	\$0
	 Pelephone, Data, Video Associated Construction Cost 	c	•				-	\$0
	10. Other:	3	-					\$0
D.	Equipment							ΨΟ
Ο.	1. Fixed		ſ		<u> </u>	l		\$0
	2. Moveable							\$0
FST	MATED CONSTRUCTION COSTS	•	L		<u> </u>	<u>I</u>		\$450,000
	below may be calculated by percentage or		sum make entry	in \$ field				7.00,000
itoms	zolow may zo odlodiatod zy porocinage of	rump sum. It using tump	Sum, make entry	iii y iioiu.				
DES	GN FEE	8 %	(% of Estimated	I Construction C	Costs)			\$35,808
	CONSTRUCTION COSTS		(% of Estimated			CM@Risk])		\$0
COM	MISSIONING		(0.5% simple; 1				\$0	
SPE	CIAL INSPECTIONS/MATERIALS	%	(1.25% estimate	ed)	·		\$0	
SUS	TAINABILITY	<u></u> %	(3% LEED Gold	I, 2% LEED Silv	ver)		\$0	
			Includes progra	mming, feasibili	tv. analysis			
ADV	ANCE PLANNING	%	(% of Estimated					\$0
CON	TINGENCIES	3 %	(% of Estimated	I Construction (acto [20/ Now	or 5% D&D1\		\$13,500
CON	TINGENCIES		(70 UI ESIIIIalet	i Construction C	0313 [370 INEV	/ UI 5/0 K&K])	-	\$13,300
FSTI	MATED COSTS (% of Estimated (Construction Costs + Cor	tingencies + De	sian Fee)				\$499,308
	lation = percent per month multiplied		iangonolos / Do.	ngiri oo,				, , , , , , ,
	n Est. Date to mid-point of construction	,	14	months	0	% per month		
	al Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-							
	Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-1			33%; 36-47 mos =	.36%; 48-60 mos	S = .38%		40
ESC.	ALATION COST INCREASE (Total o	i Estimated Costs x Es o	caiation %)					\$0
TOT	AL ESTIMATED PROJECT COST	S (Estimated Costs + Es	calation Cost Incre	ease)				\$499,308
APPI	ROVED BY:			TITLE			DATE	

Inst	itution:	NC State Univ	ersity		Advance Planning Request:				
	rease in Authorization ject Title: DH Hill			mons	New Capital Project*: X				
Pro	ject Cost: \$475,000	1							
Sou	arce of Funds: Libra	ıry F&A							
	this project has prevnority is carried. Co			thority, please ide	entify code/item number under which that				
For	each advance plar	nning project o	r capital constr	uction project, p	lease provide the following:				
1.	A detailed project description and justification:								
		dify excess oper	n areas of books	tack space (due to	ce into a Faculty Research Commons. The the opening of the Hunt Library) into new DH Hill Library.				
2.	An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (a completed OC-25 form)								
	See attached O	C-25.							
3.	An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):								
	FY2015: FY2016:	1Q \$141,278	<u>2Q</u> \$34,184	3 <u>Q</u> \$38,660 \$27,503	4 <u>Q</u> \$233,375				
4.	An estimated schedule for the completion of the project:								
	Design Start: 1 Construction S			ign Complete: 2/2 estruction Comple					
5.	An estimate of mai covering the first find N/A				ng to support these costs, including personnel, ction 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):								
	No revenues w	ill be derived fr	om this project.						
7.	An explanation of t	the means of fin	ancing:						
	Project funding	g is from Library	y F&A.						

Form OC-25 (Rev 05/12)

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

PROJE	RTMENT and DIVISION: ECT IDENTIFICATION: ECT CITY or LOCATION:	te University Commons Ren mpus	ovation (DH Hi	ll Library)		DATE:	11/19/14	
PROJE	ECT DESCRIPTION & JUSTIFICATION			cate need, size, fun	ction of improve	ements as	: well as a master :	nlan l
The pro	oject renovates about 4,300 assignal	ole square feet of pre	vious library s	helving space in	nto a Faculty	Resear	rch Commone	This space was vessed
by the	opening of the Hunt Library. The pro	ect will provide a var	iety of spaces	for faculty to co	ollahorate an	d/or wo	rk independent	ly on the second floor of
the DH	Hill Library. The project will reconfig	ure the existing spac	e and will inclu	ide enclosed ar	nd open work	(collabo	ration snaces	ly on the sceolid floor of
				and an	ia opon non	COCHADO	ration spaces.	
	ons/explanations are provided on pg 2 to		this form.)					
A.	ENT ESTIMATED CONSTRUCTION	COST		QTY	UNIT	COS	T PER UNIT	TOTAL
А. В.	Land Requirement Site Preparation			L				\$0
О.	Demolition							
	2. Site Work							\$0
C.	Construction							\$0
	Utility Services							
	Building Construction (new spa	ce)						\$0
	Building Construction (existing)	50,		4300	sf	\$	50.00	\$0
	4. Plumbing (existing space)			4300		\$	7.75	\$215,000 \$33,325
	5. HVAC (existing space)			4300	14.7	\$	20.00	\$86,000
	6. Electrical (existing space)			4300		\$	14.00	\$60,200
	7. Fire Supression and Alarm Sys	tems (new & existing	space)			<u>,</u>	11.00	\$0
	8. Telephone, Data, Video (new 8		•	4300	sf	\$	3.50	\$15,050
	9. Associated Construction Costs	(ex. locks, signage, s	shut downs)	1	lump sum	\$	3,110.00	\$3,110
19200	10. Other:							\$0
D.	Equipment							
	1. Fixed							\$0
	2. Moveable		,					\$0
	ATED CONSTRUCTION COSTS							\$412,685
Items be	low may be calculated by percentage or lu	mp sum. If using lump	sum, make entry	in \$ field.				
DECIC	NICCO	10.0/	(0) (=					
DESIG	_			d Construction Co				\$41,269
	DNSTRUCTION COSTS ISSIONING		(% of Estimate	d Construction Co	osts [1% for C	M@Risk])	\$413
	AL INSPECTIONS/MATERIALS -	70	(0.5% simple;	1.0% moderate; 1	1.5% complex)		\$0
	INABILITY		(1.25% estimate					\$0
3031A	- INADILITY	70	(3% LEED GO)	d, 2% LEED Silve	er)			\$0
				amming, feasibilit				
ADVAN	ICE PLANNING	%	(% of Estimate	d Construction Co	osts)			\$0
CONTI	NGENCIES	5 %	(% of Estimate	d Construction Co	osts [3% New	or 5% R	&R1)	\$20,634
	o -		. The second second	5		0, 0,0,0		Ψ20,004
ESTIM	ATED COSTS (% of Estimated Co	nstruction Costs + Con	tingencies + De	sian Fee)				\$475,000
Escalat	ion = percent per month multiplied by						Ļ	Ψ+10,000
	est. Date to mid-point of construction) =		6	months	0	% per r	month	
i i	8ldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35		16%; 48-60 mos = .	•		70 poi 1	nonui	
	igs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m			3%; 36-47 mos = .36	%; 48-60 mos =	.38%	_	
ESCAL	ATION COST INCREASE (Total of I	Estimated Costs x Esc	calation %)					\$0
ΤΟΤΔΙ	ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Incre	2200/			r	
17(6	123.11.23.11.0020. 70070	Leannaica Costs # ES	caiauon cost incre	case)			Ĺ	\$475,000
APPRO	OVED BY:			TITLE University	Architect		¥	DATE 11.19.14
	(Governing Board or Agend	y Head)		Comversity	, a of into Ot			DATE 1

		Request for	New or Increas	se in Capitai imj	provement Project				
Ins	titution:	NC State Univ	ersity		Advance Planning Request:				
	erease in Authorization of the Talley	· · · · · · · · · · · · · · · · · · ·	to \$		New Capital Project*: X				
Pro	oject Cost: \$ 342,9	975							
Soi	urce of Funds: Ca	mpus Enterprises	Receipts						
	this project has prohority is carried.			thority, please ide	ntify code/item number under which that				
Fo	r each advance p	lanning project o	r capital constr	uction project, pl	ease provide the following:				
1.	A detailed project	et description and	justification:						
	spaces for th	e Wolfpack One (Card, Entreprene	ur Initiative and P	cently constructed shell space into three retail rinceton Review entities. The project creates associated support space.				
				nder \$300,000, then 11 exceed \$300,000	refore not requiring authority. Authority is 0.				
2.	An estimate of a (a completed OC		ig, design, site de	evelopment, const	ruction, contingency and other related costs				
	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):								
	FY2015: FY2016:	1Q \$5,116 \$52,517	2Q \$4,245 \$26,764	3 <u>Q</u> \$106,817	<u>4Q</u> \$147,516				
4.	An estimated sch	nedule for the com	pletion of the pr	oject:					
	Design Start Construction	: 3/24/14 n Start: 2/16/15		Design Complete: 12/19/14 Construction Complete: 5/15/15					
5.				d source of fundin or capital construc	g to support these costs, including personnel, tion only):				
	N/A								
6.		evenues, if any, like tal construction of		d from the project,	covering the first five years of operation				
		-	•	0 over five years, xpected to generat	all from the Princeton Review. Wolfpack e any revenue.				

7. An explanation of the means of financing:

Campus Enterprises Receipts will fund the design and construction of this project.

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

BIENNIUM 2013 - 2015

Form OC-25 (Rev 05/12)

	RTMENT and DIVISION:	NC State Universit				-	DATE:	11/20/14
	ECT IDENTIFICATION:	Talley Retail Spac	e					
	ECT CITY or LOCATION:	Raleigh, NC						
PROJE	CT DESCRIPTION & JUSTIFICATION	ON: (Attach add'l data as	necessary to indi	icate need, size, fun	ction of improve	ements as	well as a master pl	an.)
I his in	terior upfit project renovates approxi	mately 2,700 square	feet of recently	y constructed sh	nell space int	o three	retail spaces for	the Wolfnack One
Card, E	Entrepreneur Initiative, and Princeton	Review entities. The	project create	s product displa	y, point of sa	le count	ers, workstation	spaces and
associa	ated support space.		51 					
/D - E - i4:								
	ons/explanations are provided on pg 2 to		f this form.)	District Control of the Control of t				
	ENT ESTIMATED CONSTRUCTION	COST		QTY	UNIT	COS	PER UNIT	TOTAL
А. В.	Land Requirement					L		\$0
D.	Site Preparation 1. Demolition							
	Site Work							\$0
C.	Construction							\$0
0.								
	 Utility Services Building Construction (new spa 	20)						\$0
	Building Construction (new spans) Building Construction (existing)	,		0700	0.5			\$0
	Plumbing (exisitng)			2700 2700		\$	62.50	\$168,750
	HVAC(exisitng)			2700		\$	6.00	\$16,200
	6. Electrical			2700	0.0000	\$	10.00	\$27,000
	 Fire Supression and Alarm Sys 	tems		2700		\$	15.00	\$40,500
	8. Telephone, Data, Video	tomo		2700		\$	1.50 3.50	\$4,050
	Associated Construction Costs	(survey & testing)			Lump sum	\$	1,030.00	\$9,450
	10. Other: Security	(2700		\$	10.00	\$1,030
D.	Equipment		-	2,00	OI .	Ψ	10.00	\$27,000
	1. Fixed			1	Lump sum	\$	1,000.00	\$1,000
	2. Moveable				Lump sum	\$	3,000.00	\$3,000
ESTIM.	ATED CONSTRUCTION COSTS							\$297,980
Items be	low may be calculated by percentage or le	ump sum. If using lump	sum, make entry	in \$ field.			L.	\$207,000
DESIGN	N FEE _			d Construction Co			Γ	\$29,798
PRECC	NSTRUCTION COSTS	0.1 %	(d Construction Co	osts [1% for C	M@Risk])	\$298
COMMI	SSIONING	%	(0.5% simple;	1.0% moderate; 1	.5% complex)			\$0
SPECIA	AL INSPECTIONS/MATERIALS	%	(1.25% estimate	ted)				\$0
SUSTA	INABILITY	%	(3% LEED Gol	d, 2% LEED Silve	er)			\$0
			Includes progra	amming, feasibilit	, analysis			
ADVAN	CE PLANNING	%		d Construction Co				\$0
CONTIN	ICENICIES -						-	ΨΟ
CONTIN	NGENCIES -	5 %	(% of Estimate	d Construction Co	osts [3% New	or 5% R	RR])	\$14,899
ESTIMA	TED COSTS (% of Estimated Co	onstruction Costs + Cor	rtingonaine . De	-i FV			İ	
	on = percent per month multiplied by		iungencies + De	sign Fee)			L	\$342,975
			•			0.4		
•	st. Date to mid-point of construction) =		3	months .	0	% per m	onth	
General Bi	dgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 n	nos = .12%; 36-47 mos = .16	5%; 48-60 mos = .18	3%				
Health Bldg	gs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mo	os = .26%; 18-23 mos = .29%	4; 24-35 mos = .33%	6; 36-47 mos = .36%:	48-60 mos = .38	%		
	ATION COST INCREASE (Total of I					,,,		0.0
	1							\$0
TOTAL	ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Incre	ease)			Γ	\$342,975
V D D D C :	VED DV						bee	11 /10 /2 /
APPRO'	VED BY: (Governing Board or Agend	v Haad)	-	TITLE University	Architect		<u>D</u> /	ATE 11/17/2014

(Governing Board or Agency Head)

Ins	titution:	North Carolina S	State University		Advance Planning Request:				
	crease in Authorization			-	New Capital Project*: X				
Pro	oject Cost: \$6,301	,000 (Including pro	eviously approved	d AP amount of \$2	200,000)				
So	urce of Funds: Car	npus Life Receipts							
	this project has pre hority is carried. C			ority, please identi	fy code/item number under which that				
Fo	r each advance pla	nning project or	capital construc	tion project, plea	se provide the following:				
1.	A detailed project	description and ju	stification:						
	needs of the Oparking and b	Greek community	at NCSU. This P	hase 2 Infrastruct	ek Master Plan adopted to meet the growth ure project will expand the roads, utilities, pter houses and multi-residential buildings				
2.		quisition, planning, al construction only	•		ction, contingency and other related costs orm)				
	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):								
	FY2015: FY2016: FY2017:	Q1: \$39,957 Q1: \$361,087 Q1: \$743,430	Q2: \$160,043 Q2: \$776,180 Q2: 652,069	Q3: \$ 309,525 Q3: \$1,091,711 Q3: \$581,475	Q4: \$83,291 Q4: \$1,034,399 Q4: \$467,833				
4.	An estimated sche	dule for the compl	etion of the proje	ect:					
	Design Start: Construction		Design Complete: 2/25/15 Construction Finish: 11/24/16						
5.	An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):								
	N/A								
6.		An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation (Answer for capital construction only):							
	No revenues v	will be derived from	n this project.						
7.	An explanation of	the means of finar	ncing:						

Source of funding: Campus Life Receipts



North Carolina Department of Administration

Pat McCrory, Governor Bill Daughtridge, Jr., Secretary

State Construction Office Gregory A. Driver, PE, Director

OC-25: 201360500315 **Proposed Capital Improvement Project** Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)

INSTITUTION OR AGENCY: NC State University

PROJECT IDENTIFICATION: Greek Village Phase II, Infrastructure

PROJECT TYPE: General Bldg. **CLASSIFICATION: New Facilities**

PROJECT DESCRIPTION AND JUSTIFICATION: Greek Village has completed Phase 1 of the five phases of the Greek Master Plan adopted to meet the growth needs of the Greek community at NCSU. This Phase 2 infrastructure project will expand the roads, utilities, parking and building pads to prepare for construction of two Chapter houses, and multi-residential building A, B, and C on the Master Plan.

<u>ITEM</u>	QTY	UNIT	COST PER UNIT	TOTAL
2. Site Work	1.0	Lump Sum	\$460,000	\$460,000
2. Building Construction (new space)	1.0		\$4,346,497	\$4,346,497
3. Building Construction (existing)	1.0	Lump Sum	\$125,000	\$125,000
Electrical (new)	1.0	Lump Sum	\$530,000	\$530,000
9. Associated Construction Costs	1.0	Lump Sum	\$130,000	\$130,000
ESTIMATED CONSTRUCTION COST:				\$5,591,497

DESIGN FEE	2.5%	(% of Estimated Construction Costs)	\$139,787
PRECONSTRUCTION COSTS	0.70%	(% of Estimated Construction Costs [1% for CM@Risk])	\$39,140
COMMISSIONING FEE	0%	(0.5% simple, 1% moderate, 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS	0%	(1.25% Estimated)	\$0
SUSTAINABILITY	0%	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	3.6%	(% of Estimated Costs - includes programming, feasibility, analysis)	\$201,293
CONTINGENCIES	5%	(% of Estimated Costs [3% New or 5% R&R])	\$279,574
ESTIMATED COSTS	`	ed Construction Costs + Design Fee + Preconstruction + Commissioning	\$6,251,291

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

(From Est, Date to mid-point of construction) = 20 months @ 0.04%

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

\$50,010

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

\$6,301,000

APPROVED BY: grogers

DATE APPROVED: 2014-10-29

CERTIFICATION

The State Construction Office in accordance with GS 143-341(3) certifies the feasibility of this Statement of Need

pursuant to GS 143-6.

Signature:

_ Date: 2014-10-29

COMMENTS:

1. [2014-10-29 11:13:09] vstephenson - Approve

DATE RECEIVED: 2014-10-29

- 2. [2014-10-29 11:12:36] vstephenson Submit
- 3. [2014-10-06 15:03:19] Iflewellen Reject
- 4. [2014-10-06 15:03:09] Iflewellen Please revise and resubmit breaking down building construction cost.
- 5. [2014-09-24 14:31:37] vstephenson Save
- 6. [2014-09-24 14:30:40] vstephenson Save
- 7. [2014-09-24 14:30:22] vstephenson Save
- 8. [2014-09-24 14:20:26] vstephenson Save
- 9. [2014-09-24 14:17:44] vstephenson Submit
- 10. [2014-09-22 15:18:39] Iflewellen Please resubmit and provide breakdown: 2 Chapter Houses and Buildings A,B, and C.

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

- 11. [2014-09-22 15:16:02] Iflewellen Reject
- 12. [2014-09-17 11:12:36] meljoy909 Submit
- 13. [2014-09-17 11:12:19] meljoy909 Save
- 14. [2014-09-17 10:54:00] meljoy909 Create

Ins	titution:	Γhe Universit	y of North C	Carolina at Cha	pel Hill		lanning Req			
	rease in Authorization oject Title: Campus W			_to \$ <u>2,466,2</u>	250	New (Capital Proje	ect*:		
Pro	oject Cost: \$2,466,250)								
So	urce of Funds: Univers	sity Funds								
	this project has previous hority is carried. Code				ease identify cod	de/item numl	ber under wh	nich that		
Fo	r each advance plann	ing project o	or capital co	nstruction pr	oject, please pr	ovide the fol	llowing:			
1.	A detailed project de	scription and	justification	:						
	Project includes design, fabrication, and installation of approximately 1200 signs for main campus. The sign types include accessible blaze, pedestrian way-finding, information kiosk, vehicular way-finding, parking lot identification signs.									
2.	An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (a completed OC-25 form)									
	See attached OC-25 t	form.								
3.	An estimated schedu construction only):	le of cash flow	w requireme	nts over the lif	e of the project l	oy FY quarte	ers (Answer	for capital		
Cas	sh Flow Estimate for Total									
	End of:		4Q 2015	1Q 2016	2Q 2016	1Q 2016	Total			
LX	pected Expenditure	\$246,625	\$616,563	\$739,875	\$616,563	\$246,625	\$2,466,250			
4.	An estimated schedu		•							
	Spring 2015 – design	-	•							
	May - December 201	•								
	January – December	2016 – final _I	phase install	ation						
5.	An estimate of maint covering the first five						osts, includin	g personnel,		

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

n/a

7. An explanation of the means of financing: Open Space Trust Funds

Ins	titution:	Γhe Universit	y of North C	Carolina at Cha	pel Hill		lanning Req			
	rease in Authorization oject Title: Campus W			_to \$ <u>2,466,2</u>	250	New (Capital Proje	ect*:		
Pro	oject Cost: \$2,466,250)								
So	urce of Funds: Univers	sity Funds								
	this project has previous hority is carried. Code				ease identify cod	de/item numl	ber under wh	nich that		
Fo	r each advance plann	ing project o	or capital co	nstruction pr	oject, please pr	ovide the fol	llowing:			
1.	A detailed project de	scription and	justification	:						
	Project includes design, fabrication, and installation of approximately 1200 signs for main campus. The sign types include accessible blaze, pedestrian way-finding, information kiosk, vehicular way-finding, parking lot identification signs.									
2.	An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (a completed OC-25 form)									
	See attached OC-25 t	form.								
3.	An estimated schedu construction only):	le of cash flow	w requireme	nts over the lif	e of the project l	oy FY quarte	ers (Answer	for capital		
Cas	sh Flow Estimate for Total									
	End of:		4Q 2015	1Q 2016	2Q 2016	1Q 2016	Total			
LX	pected Expenditure	\$246,625	\$616,563	\$739,875	\$616,563	\$246,625	\$2,466,250			
4.	An estimated schedu		•							
	Spring 2015 – design	-	•							
	May - December 201	•								
	January – December	2016 – final _I	phase install	ation						
5.	An estimate of maint covering the first five						osts, includin	g personnel,		

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

n/a

7. An explanation of the means of financing: Open Space Trust Funds

Advance Planning Request

The University of North Carolina at Chapel Hill

							New	Capital Pro	ject*: x		
Inc	rease in Au	thorization	from:								
Pro	oject Title: N	Morehead P	lanetarium	Building, Rer	ovation of Class	srooms, Offic	es and Exhib	oit Space			
Pro	oject Cost:	\$5,576,122	2								
So	urce of Fund	ds: Univer	rsity Founda	tion Account							
				vance plannin Item	g authority, plea	ase identify co	ode/item nun	nber under w	hich that		
Fo	r each adva	ance plann	ing project	or capital co	nstruction proj	ject, please p	rovide the fo	ollowing:			
1.	A detailed	project des	scription and	d justification	:						
	This project will improve the existing Planetarium by increasing accessibility, improving visitor flow and enlarging the public educational space. Approximately 8,000 square feet of staff offices, classrooms and exhibit halls will be renovated and new educational exhibits will be installed.										
2.					ite development ide a completed			y and other r	related costs		
	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):										
	3Q 2015	4Q 2015	1Q 2016	2Q2016	3Q 2016	3Q 2018	4Q 2018	1Q 2019	2Q 2019		
	\$250,000	\$500,000	\$500,000	\$2,000,000	\$1,000,000	\$350,000	\$350,000	\$350,000	\$276,122		
4.			e for the co	mpletion of th	ne project:						
5.					ts and source of wer for capital co	•		osts, includi	ng personnel,		
	No anticip	ated change	e in mainter	nance cost is a	nticipated with	this interior re	enovation				
6.			ues, if any, l onstruction	•	rived from the p	oroject, coveri	ng the first f	ive years of	operation		
	No anticip	ated revenu	ie will be go	enerated by th	is project.						

7. An explanation of the means of financing: Private individual donations, corporate and foundation gifts.

Institution:

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE DROSED BEDAUS & RENOVATION OF CARITAL IMPROVEMENT PROJECTION OF CARITAL IMPROJECTION OF CARITAL IMPROVEMENT PROJECTION OF CARITAL

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:	t Chapel Hill Renovation of G	Chapel Hill DATE: 11/26/14 novation of Classrooms, Offices and Exhibit Space					
PROJECT DESCRIPTION & JUSTIFICAT This project will improve the existing Plane Approximately 8,000 square feet of staff of	tarium by increasing a						
(Definitions/explanations are provided on pg 2 to CURRENT ESTIMATED CONSTRUCTION A. Land Requirement B. Site Preparation		this form.)	QTY	UNIT	CO	ST PER UNIT	TOTAL \$0
 Demolition & Abatement Site Work Construction 			1	Lump Sum	\$	150,000.00	\$150,000 \$0
Utility Services Building Construction (new spans) Building Construction (existing)			1	Lump Sum	\$	475,000.00	\$0 \$0 \$475,000
4. Plumbing5. HVAC		-	1	Lump Sum Lump Sum	\$ \$	70,000.00 480,000.00	\$70,000 \$480,000
 Electrical (Includes TV & Radio Fire Supression and Alarm System Telephone, Data, Video 	stems	 - - -	1	Lump Sum Lump Sum Lump Sum	\$	375,000.00 30,000.00 300,000.00	\$375,000 \$30,000 \$300,000
9. Associated Construction Costs 10. Other: Correct A D. Equipment	s Accessibility Deficienci	es		Lump Sum Lump Sum		\$85,000 \$340,000	\$85,000 \$340,000 \$0
Fixed Moveable ESTIMATED CONSTRUCTION COSTS				Lump Sum Lump Sum	\$	1,100,000.00 1,500,000.00	\$1,100,000 \$1,500,000 \$4,905,00 0
Items below may be calculated by percentage or I	ump sum, If using lump s					ا 	
DESIGN FEE PRECONSTRUCTION COSTS COMMISSIONING	%	(% of Estimated (% of Estimated (0.5% simple; 1.	Construction C	osts [1% for CM	@Risk])	\$490,500 \$0 \$24,525
SPECIAL INSPECTIONS/MATERIALS SUSTAINABILITY	%	(1.25% estimate (3% LEED Gold	d)				\$0 \$0
ADVANCE PLANNING		Includes prograr (% of Estimated					\$0
CONTINGENCIES	5 %	(% of Estimated	Construction Co	osts (3% New o	r 5% R8	kR])	\$245,250
ESTIMATED COSTS (% of Estimated C Escalation = percent per month multiplied b (From Est. Date to mid-point of construction) General Bidgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-3	- ==	24	months	0.12	_% per	month	\$5,420,025
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 ESCALATION COST INCREASE (Total of			3%; 36-47 mos = .3	36%; 48-60 mos =	.38%		\$156,097
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Esc	alation Cost Increa	se)				\$5,576,122

Ins	titution: UNC-C	Chapel Hill			Advance Planni		• •
	rease in Authorization from: ject Title: South Building A				New Capi	tal Project*:	X
Pro	ject Cost: \$319,700						
<mark>So</mark>	urce of Funds: F&A Funds						
	this project has previously h			lease identify code	/item number u	nder which tha	.t
Fo	r each advance planning pi	oject or capital	construction p	roject, please prov	vide the followi	ng:	
1.	A detailed project descripti	on and justificati	on:				
	Provide accessibility improrooms, drinking fountains,	•	out the building	. Include correction	ons to the exterio	or ramp, toilet	
2.	An estimate of acquisition, (a completed OC-25 form)	planning, design	, site developme	ent, construction, co	ontingency and	other related co	osts
	OC-25 Attached.						
3.	An estimated schedule of c construction only):	ash flow require	nents over the li	fe of the project by	FY quarters (A	answer for capi	tal
	sh Flow Estimate for Total l						
-	End of:	3Q 2015	4Q 2015	1Q 2016 Tota			
Ex	pected Expenditure	\$31,970	\$159,850	\$127,880	\$319,700		
4.	An estimated schedule for t	the completion o	f the project:				
	Design Begins	01-26-15					
	Construction Begins	06-01-15					
	Construction Complete	09-25-15					
5.	An estimate of maintenance covering the first five years					ncluding perso	nnel
n/a							
6.	An estimate of revenues, if (Answer for capital constru		derived from the	e project, covering	the first five ye	ars of operation	n
n/a	•	 					

7. An explanation of the means of financing:

Form OC-25 (Rev 09/14)

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

DEPA	RTMENT and DIVISION:						DATE:	11/24/14
	ECT IDENTIFICATION:	South Building Acc	cessibility Impr	ovements		_		
	ECT CITY or LOCATION:	UNC-Chapel Hill						
	CT DESCRIPTION & JUSTIFICATI							
	e accessibility improvements through		ude correction	s to the exterior	ramp, toilet	rooms,	drinking fountai	ns, doors.
~ ~	e and other ADA Compliance Items.							
	ons/explanations are provided on pg 2 t		f this form.)		Erranenaerra	111000	and the last territory of the second of the	
	ENT ESTIMATED CONSTRUCTION	I COST		QTY	SEUNITES	COS	T PER UNIT	TOTAL
Α.	Land Requirement					<u> </u>		\$0
B.	Site Preparation			590	lor.	<u> </u>	47.00	640.000
	1. Demolition					\$	17.00	\$10,030
C.	Site Work Construction			<u> </u>	Lump Sum	Þ	38,000.00	\$38,000
U.				1		1	-	ea
	Utility Services Ruilding Construction (new one)	امما						\$0 \$0
	 Building Construction (new spans) Building Construction (existing) 			590	e⊏	\$	237.00	\$139,830
	Building Constitution (existing, Plumbing (new space)	•		590		\$	85.00	\$50,150
	5. HVAC (new space)			590		\$	8.40	\$4,956
	6. Electrical (Includes TV & Radio	Studio)		590		\$	16.80	\$9,912
	7. Fire Supression and Alarm Sys				O,	Ψ	10.00	\$0
	8. Telephone, Data, Video	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						\$0
	Associated Construction Costs			1	Lump Sum	\$	25,000.00	\$25,000
	10. Other:				,			\$0
D.	Equipment		_	,			•	
	1. Fixed							\$0
	2. Moveable							\$0
ESTIM	ATED CONSTRUCTION COSTS							\$277,878
Items be	low may be calculated by percentage or le	ump sum. If using lump	sum, make entry	in \$ field.				
		40.04					г	007.700
DESIG	-		•	d Construction Co	•			\$27,788
	ONSTRUCTION COSTS		•	d Construction Co	-		i) [\$0
	ISSIONING			1.0% moderate; 1	.5% complex)	ŀ	1	\$0
	AL INSPECTIONS/MATERIALS	%	(1.25% estima	,			-	\$0
SUSTA	INABILITY	%	(3% LEED Gol	d, 2% LEED Silve	er)			\$0
				amming, feasibilit				
ADVAN	ICE PLANNING	%	(% of Estimate	d Construction Co	osts)			\$0
CONTI	NGENCIES	5 %	(% of Estimate	d Construction Co	osts [3% New	or 5% R	&R1)	\$13,894
		·	(·····,	
ESTIM	ATED COSTS (% of Estimated Co	onstruction Costs + Cor	tinaencies + De	sian Fee)			1	\$319,560
	ion = percent per month multiplied by		-				L	
	st. Date to mid-point of construction)		12	months	0	% per n	nonth	
•	ldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35					•		
	,	·	•					
	igs; 0-5 mos = ,18%; 6-11 mos = .22 %; 12-17 r			33%; 36-47 mos = .36	6%; 48-60 mos =	.38%	-	
ESCAL	ATION COST INCREASE (Total of	Estimated Costs x Esc	alation %)				Ĺ	\$0
ΤΩΤΔΙ	. ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Incre	ease)			Г	\$319,560
·		(Estimated Opers 1 Fe	valuati otal iildi	~~~ <i>\</i>			L	, , ,
APPRO	OVED BY: / WM/			TITLE Dred	60 d. F	الك		NATE 12/10/14
	(Governing Board or Agen	cv Head)		ni.		•		• —

Proje					New	Capital Project*:
Proje			Stormwater Conveya	ance		
	ct Cost: \$362,439					
Battle Grove located on main campus, contains a tributary of Battle Branch that was piped in the 1930's. This project will daylight a portion of Battle Branch, enhance the stream buffer, and construct a regenerative stormwater conveyance (RSC) to improve the water quality. 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): Cash Flow Estimate for Total Project Cost 30 2014-15 40 2014-15 10 2015-16 20 2015-16 30 2015-16 40 2015-16 10 2016-17 20 2016-17 30 2016-17 40 2016-17 Total s 13.056 \$ 13.056 \$ 18.426 \$ 9.496 \$ 30.569 \$ 114.344 \$ 104.477 \$ 28.173 \$ 28.082 \$ 2,760 \$ 362,439 4. An estimated schedule for the completion of the project: January 2015 – May 2016 – Design May 2016 – April 2017 - Construction						
				, please iden	ify code/item num	ber under which that
For e	each advance plan	ning project or c	capital construction	project, ple	ase provide the fo	ollowing:
1. A	A detailed project d	escription and jus	stification:			
p	roject will dayligh	t a portion of Batt	le Branch, enhance t	he stream bu		
	-		design, site develop	nent, constru	action, contingency	y and other related costs
S	See attached OC-25					
		ule of cash flow r	equirements over the	life of the p	roject by FY quart	ers (Answer for capital
	4-15 4Q 2014-15 1Q 20	15-16 2Q 2015-16	3Q 2015-16 4Q 2015-16			
4 A	An estimated sched	ule for the comple	etion of the project:			
		•	ction of the project.			
			n			
						osts, including personnel
n	/a					
	An estimate of reve Answer for capital			the project, o	covering the first fi	ive years of operation

7. An explanation of the means of financing: Grant/Stormwater Receipts

Form OC-25 (Rev 09/14)

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

DEPARTMENT and DIVISION:	The University of I				_	DATE:	12/01/14
PROJECT IDENTIFICATION: Battle Grove Regenerative Stormwater Conveyence Changle Hill NC							
PROJECT CITY or LOCATION:	Chapel Hill, NC						
PROJECT DESCRIPTION & JUSTIFICATION	N: (Attach add'i data as	necessary to indi	cate need, size, fun	ction of improve	ements as well	as a master p	olan.)
Battle Grove contains a tributaty of Battle Br	anch that was piped	in the 1930's.	This project wil	ll daylight a p	portion of Ba	ttle Branch	, enhance the stream
bufffer, and construct a regenerative stormw	ater conveyence to	improve water	quality.				

(Definitions/explanations are provided on pg 2 to	assist in completion o	f this form.)					•
CURRENT ESTIMATED CONSTRUCTION	COST		QTY	UNIT	COST PE	RUNIT	
A. Land Requirement							\$0
B. Site Preparation					,		
1. Demolition					<u> </u>		\$0
2. Site Work			1.75	Acre	\$ 1	54,889.00	\$271,056
C. Construction			1		Т	:	1
1. Utility Services			<u> </u>				**
Building Construction (new space)	e)						\$0
3. Building Construction (existing)							\$0
4. Plumbing (new space)							\$0 60
 HVAC (new space) Electrical (Includes TV & Radio) 	Chidia)						\$0 \$0
 Electrical (Includes TV & Radio Fire Supression and Alarm Syst 					<u> </u>		\$0 \$0
8. Telephone, Data, Video	51115				<u> </u>		\$0
Associated Construction Costs							\$0
10. Other:			1	lumpsum		\$7,106	\$7,106
D. Equipment		-		ıpoui		¥.,,	41,100
1. Fixed							\$0
2. Moveable							\$0
ESTIMATED CONSTRUCTION COSTS			•	•	•		\$278,162
items below may be calculated by percentage or lur	np sum. If using lump	sum, make entry	in \$ field.			'	
DESIGN FEE	 %	(% of Estimate	d Construction C	osts)		ĺ	\$70,369
PRECONSTRUCTION COSTS	%	(% of Estimate	d Construction Co	osts [1% for C	M@Risk])		\$0
COMMISSIONING	%	(0.5% simple;	1.0% moderate; 1	.5% complex)		\$0
SPECIAL INSPECTIONS/MATERIALS	%	(1.25% estima	ted)				\$0
SUSTAINABILITY	%	(3% LEED Gol	d, 2% LEED Silve	er)			\$0
_		Includes progra	amming, feasibilit	v analysis			••••
ADVANCE PLANNING	%		d Construction Co				\$0
	•				FOL DADIN		
CONTINGENCIES	<u>5</u> %	(% of Estimate	d Construction Co	osts (3% New	or 5% R&Rj)]	\$13,908
FOTIMATED COOTS							. 6267 420
·	struction Costs + Cor	itingencies + De	sign Fee)			Ŀ	\$362,439
Escalation = percent per month multiplied by	number of months		manéha	,	0/ nar manil	h.	
(From Est. Date to mid-point of construction) =	404, 60 17	+001 +0 00	months		% per monti	n	
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 m	108 = .12%; 36-47 mos = .	16%; 48-60 mos =	.18%				
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mo	s = .26%; 18-23 mos = .29	9%; 24-35 mos = .3	13%; 36-47 mos = .36	5%; 48-60 mos =	.38%		
ESCALATION COST INCREASE (Total of E	stimated Costs x Esc	alation %)				Γ	\$0
·		• = /					
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Incre	ease)				\$362,439
ADDDOVED BY			(D)	ا الما	5.1'1.	_	12/10/14
APPROVED BY:			HILL MICE	101. A	acilita		DATE 1910/14

Institution: UNC Chapel Hill				Advance Planning Request: New Capital Project*: X			
		on from: \$0_ to \(\)Biomedical Research Bu		Glaxo Building	New Cap	ital Project*: X	
Pro	oject Cost: \$440,000	1					
Soi	urce of Funds: F&A	Funds					
				lease identify coo	de/item number	under which that	
Fo	r each advance plai	nning project or capital	construction p	oject, please pr	ovide the follow	ing:	
1.	A detailed project of	lescription and justificati	on:				
reso pro nex cor	earch and lab buildir oviding service to the ct 3 years. However, aditioned air to the re	ng. As such, AHU-3 is control building. AHU-3 was a part it has failed catastrophic	ritical to the buil t the end of its u cally and must be	ding's mission. I seful life and was e replaced immed	Presently, a temps scheduled to be liately. The new	porary rental unit is e replaced within the AHU will provide	
2.	(a completed OC-2	5 form) Attached					
Ca	sh Flow Estimate fo	r Total Project Cost					
		2Q 2015	3Q 2015	4Q 2015	Total		
Ex	pected Expenditure	\$66,000	\$198,000	\$176,000	\$440,000		
4. 5.	An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only): Ish Flow Estimate for Total Project Cost Find of: 2Q 2015 3Q 2015 4Q 2015 Total Expected Expenditure \$66,000 \$198,000 \$176,000 \$440,000 An estimated schedule for the completion of the project: The project will be completed by late spring (May) 2015 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 reve		derived from the	e project, coverin	ng the first five y	ears of operation	

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

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

Form	UC-25
(Rev	09/14)

DEPARTMENT and DIVISION:		Educational institu		DATE: 12/04/14			
	ECT IDENTIFICATION:	Replace AHU-3 in	MBRB\Glaxo				
	ECT CITY or LOCATION:	Chapel Hill NC					
	OJECT DESCRIPTION & JUSTIFICA	TION: This project will	replace AHU=3 w ongoing fi		This is a Medica	Research Building and repl	acing the AHU is critical to its
	itions/explanations are provided on pg 2 t		of this form.)				
	RENT ESTIMATED CONSTRUCTION	COST		QTY	UNIT	COST PER UNIT	TOTAL
A.	Land Requirement						\$0
B,	Site Preparation 1. Demolition				<u> </u>		\$0
	2. Site Work						\$0
C.	Construction			<u> </u>			ΨΟ
	Utility Services				T		\$0
	Building Construction (new sparent)	ce)					\$0
	3. Building Construction (existing)	,					\$0
	4. Plumbing (new space)						\$0
	HVAC (new space)				1 ea.	\$ 350,000.00	
	6. Electrical (Includes TV & Radio						\$0
	7. Fire Supression and Alarm Syst	iems					\$0
	8. Telephone, Data, Video9. Associated Construction Costs						\$0
	10. Other: Contols				1 lump	\$ 30,623.00	\$0 \$30,623
D,	Equipment Contors		_	L	Humb	\$ 30,023,00	\$30,023
<u> </u>	1. Fixed				<u> </u>		\$0
	2. Moveable						\$0
ESTI	MATED CONSTRUCTION COSTS			t		· L	\$380,623
items b	elow may be calculated by percentage or	ump sum. If using lum	p sum, make eni	ry in \$ field.			<u></u>
	_						
	SN FEE			ed Construction			\$38,062
	ONSTRUCTION COSTS			ed Construction		\$0	
	MISSIONING	0.6 %		1.0% moderate	; 1.5% comple	x)	\$2,284
	IAL INSPECTIONS/MATERIALS		(1.25% estima				\$0 •
SUST	AINABILITY	%	(3% LEED Go	ld, 2% LEED Si	lver)		\$0
۸۵۷۸	NCE PLANNING	0/.		amming, feasibi			\$0
	-				•		
CONT	INGENCIES	5 %	(% of Estimate	ed Construction	Costs (3% Ne	wor 5% R&R])	\$19,031
ESTIM	MATED COSTS (% of Estimated Co	onstruction Costs + Co	ntingencies + D	esign Fee)			\$440,000
	ition = percent per month multiplied by	number of months					
•	Est. Date to mid-point of construction) = Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 p	man = 199/196 47 man = 1	160/ . 40 60 man -	months		_% per month	
	ldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m LATION COST INCREASE (Total of E			3%; 36-47 mos = .3	36%; 48-60 mos =	: .38% [\$0
	·		•			i r	
IUIA	L ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Inc	rease)			\$440,000
APPR	OVED BY: (Governing Board or Agen	cy Head)	_	TITLE Dre	itor y		DATE 12/0/14

T	LINIC C	1 1 TT:11			A d Dl	: D					
Ins	titution: UNC C	hapel Hill			Advance Plann	ital Project*: X					
Inc	rease in Authorization from:	\$ to \$			New Capi	ital l'IojectX					
	pject Title: Campus Safety U										
Dro	oject Cost: \$4,750,000										
110	η εει Cost. <u>\$4,750,000</u>										
So	urce of Funds: University Fun	nds									
	this project has previously has hority is carried. Code			please identify co	de/item number ι	under which that					
Fo	r each advance planning pr	oject or capita	l construction p	project, please pr	ovide the follow	ing:					
1.	A detailed project description and justification:										
	To improve campus safety and University's emergency response, this project will upgrade the Emergency Operation Centers located in the South Building, Public Safety Building and the Environmental Health and Safety Building. In addition, this project will install approximately 800 security cameras for the campus.										
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 ca construction only):	ash flow require	ements over the	life of the project	by FY quarters (A	Answer for capital					
Ca	sh Flow Estimate for Total F	Project Cost									
_	End of:	1Q 2015	2Q 2015	3Q 2015	4Q 2015	Total					
Ex	pected Expenditure	\$475,000	\$1,187,500	\$1,662,500	\$1,425,000	\$4,750,000					
4.	An estimated schedule for t	he completion of	of the project:								
	Start: 1 st quarter 2015										
	Substantial Completion 12/	1/2015									
5.	An estimate of maintenance covering the first five years				•	including personnel					

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

7. An explanation of the means of financing:

(Answer for capital construction only):

n/a

n/a

Form OC-25 (Rev 09/14)

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

	ARTMENT and DIVISION:	The University of I		at Chapel Hill		,	DATE:	12/01/14
	JECT IDENTIFICATION:	Campus Safety Up	ogrades					
	JECT CITY or LOCATION:	Chapel Hill, NC						
<u>PRO</u>	ECT DESCRIPTION & JUSTIFICATION	ON: (Attach add'i data as	necessary to indic	cate need, size, fun	ction of improve	ments as	well as a master p	lan.)
Buildi	prove campus safety and University's ng, Public Safety Building and Enviror ampus.							
(Defin	itions/explanations are provided on pg 2 to	assist in completion o	f this form.)					
CUR	RENT ESTIMATED CONSTRUCTION	COST		QTY	UNIT	COS	T.PER.UNIT	TOTAL
A.	Land Requirement							\$0
B.	Site Preparation							***
	1. Demolition							\$0
_	2. Site Work			<u> </u>				\$0
C.	Construction				1			امه
	Utility Services	1						\$0 \$0
	Building Construction (new spa- Building Construction (aviation)			500	OE.	6	250.00	\$0
	3. Building Construction (existing4. Plumbing (new space)	South Bullaing)		500	or	\$	250.00	\$125,000 \$0
	Plumbing (new space) HVAC (new space)							\$0 \$0
	6. Electrical (Includes TV & Radio	Studio)		3000	SE	\$	30.00	\$90,000
	7. Fire Supression and Alarm Sys	•		0000		-	00.00	\$0
	8. Telephone, Data, Video			800	EA	\$	3,700.00	\$2,960,000
	9. Associated Construction Costs				Lump Sum	\$	45,000.00	\$45,000
	10. Other: Emergence	cy Generator		1	Lump Sum	\$	250,000.00	\$250,000
D.	Equipment	•	•					
	1. Fixed (Security System Equipm	ent)		1	Lump Sum	\$	660,000.00	\$660,000
	2. Moveable							\$0
ESTI	MATED CONSTRUCTION COSTS						L	\$4,130,000
Items I	pelow may be calculated by percentage or lu	mp sum. If using lump	sum, make entry	in \$ field.				
DESIG	SN FEE	10 %	(% of Estimated	d Construction C	osts)		Г	\$413,000
	CONSTRUCTION COSTS			d Construction C		M@Risk	1) t	\$0
	WISSIONING		-	1.0% moderate; 1			"	\$0
	IAL INSPECTIONS/MATERIALS	%	(1.25% estimat				ŀ	\$0
	AINABILITY		•	d, 2% LEED Silve	er)		Ì	\$0
				amming, feasibilit			ļ	
ADVA	NCE PLANNING	%		d Construction Co				\$0
	INGENCIES		•	d Construction Co	•	or 5% R	&RI\	\$206,500
CON	- INOLINOIDO		(70 OI Loumated	a construction of	0313 [070 14647	01 070 10	(11)	\(\frac{\partial}{200,000} \)
ESTIN	MATED COSTS (% of Estimated Co	nstruction Costs + Cor	tingencies + De	sign Fee)			Ī	\$4,749,500
Escala	ation = percent per month multiplied by	number of months					_	
(From	Est. Date to mid-point of construction) =	:	14	months	0	% per n	nonth	
General	Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35	mos = .12%; 36-47 mos = .	16%; 48-60 mos = .	18%				
	Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m			3%; 36-47 mos = .36	5%; 48-60 mos =	.38%		
ESCA	LATION COST INCREASE (Total of E	Estimated Costs x Esc	alation %)				Ĺ	\$0
TOTA	L ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Incre	ease)				\$4,749,500
APPR	OVED BY:		_	TITLE DICE	tor of 1	acil	it's	DATE 12/10/14
	(Governing Board or Agend	y Head)		Flow	19 in	VEN	50	

Ins	titution: <u>University of North Carolina at Pembroke</u>	Advance Planning Request: New Capital Project*: X
	rease in Authorization from: \$ to \$ oject Title: Renovate Existing Toilets - Belk Hall	2.0 cupi 220jeto i <u>22</u>
Pro	oject Cost: \$498,750.00	
So	urce of Funds: Student Affairs Non-Appropriated	
	this project has previously had advance planning authority, please identify cohority is carried. Code Item	de/item number under which that
Fo	r each advance planning project or capital construction project, please pr	ovide the following:
1.	A detailed project description and justification: Belk Hall was constructed in renovated and are in need of renovation. This project will install water saving are ADA compliant. The existing finishes and toilet partitions will be upgraded.	g fixtures and ensure that the toilets
2.	An estimate of acquisition, planning, design, site development, construction, (a completed OC-25 form) See OC-25	contingency and other related costs
3.	An estimated schedule of cash flow requirements over the life of the project construction only): The project will be completed during the third and forth of	
4.	An estimated schedule for the completion of the project: The project will be 2015	completed not later than June 29,
5.	An estimate of maintenance and operating costs and source of funding to sup covering the first five years of operation (Answer for capital construction on	
6.	An estimate of revenues, if any, likely to be derived from the project, covering (Answer for capital construction only): N/A	ng the first five years of operation
7.	An explanation of the means of financing: The project is being funded by Stu	ident Affairs with in-hand funds.

Form OC-25 (Rev 09/14)

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

DEP.	DEPARTMENT and DIVISION: UNCP -Student Af				DATE:	DATE: 11/03/14		
	JECT IDENTIFICATION:	Renovate Toilets -				-		
	JECT CITY or LOCATION:	University of North		Pembroke				
Belk	Hall was constructed in 1969. The t	oilets have never been	renovated					
	nitions/explanations are provided on pg 2 RENT ESTIMATED CONSTRUCTION		f this form.)	QTY	UNIT	. coc	T.PER UNIT.	· · · · · · TOTAL · . · · ·
Cur A.		JN COST		Q11		CUS	I.PER UNII.	\$101AL \$1
А. В.	Land Requirement			0				φ,
D.	Site Preparation 1. Demolition				Floor	Ι¢	5,347.40	\$26,73
				0		\$	5,347.40	\$20,73
C.	2. Site Work			0				φ,
C.	Construction			0		I		Φ.
	Utility Services	`		0				\$1
	2. Building Construction (new s			0		φ.	40,000,00	\$100,000
	3. Building Construction (existing a second construction)	ng)			Floor	\$	40,000.00	\$200,00
	4. Plumbing (new space)				Floor	\$	36,900.00	\$184,50
	5. HVAC (new space)			0				\$1
	6. Electrical (Includes TV & Rad			0				\$
	7. Fire Supression and Alarm S	ystems		0				\$
	8. Telephone, Data, Video			0		Φ.	4.750.70	\$1
	 Associated Construction Cos 	its			Floor	\$	4,752.60	\$23,76
_	10. Other:		_	0				\$
D.	Equipment				1	1		Φ.
	1. Fixed							\$1
	2. Moveable	_						\$100.00
	IMATED CONSTRUCTION COST							\$435,00
Items	below may be calculated by percentage of	or lump sum. If using lump	sum, make en	try in \$ field.				
DE0	IONIFFF	0.45 0/	/0/ CE !! !				Г	¢42.00
	IGN FEE			ed Construction C		NA GD'		\$42,00
	CONSTRUCTION COSTS		•	ed Construction C	-		K])	\$1
	IMISSIONING			1.0% moderate;	1.5% complex)	-	\$\ \$\
	CIAL INSPECTIONS/MATERIALS		(1.25% estimates)	,	,		-	\$1
505	TAINABILITY	<u> </u>	(3% LEED G	old, 2% LEED Silv	er)		-	2)
				ramming, feasibilit				
ADV.	ANCE PLANNING	0 %	(% of Estimat	ed Construction C	osts)			\$
CON	TINGENCIES	5 %	(% of Estimat	ed Construction C	osts [3% New	or 5%	R&R])	\$21,75
			•		•		- 7	
ESTI	MATED COSTS (% of Estimated	Construction Costs + Co	ntingencies + D	Design Fee)				\$498,75
Esca	lation = percent per month multiplied	by number of months					•	
(Fron	n Est. Date to mid-point of constructio	n) =		months		% per	month	
	al Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24		.16%; 48-60 mos	S = .18%				
	District 0.5 mars 100/ 144	17 0/0/ 40.00	200/ 24.25	220/ 2/ 17	2/0/ 40 /2	. 200/		
	Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-			= .33%; 36-4/ mos = .	.36%; 48-60 mo:	s = .38%	г	Φ.
ESC.	ALATION COST INCREASE (Total	or Estimated Costs x Es	scalation %)					\$1
тот	AL ESTIMATED PROJECT COST	S (Estimated Costs + Es	scalation Cost In	crease)			Γ	\$498,75
٠.		(0001 111	,				. ,
APP	ROVED BY:			TITLE				DATE

(Governing Board or Agency Head)

Ins	titution: North Carolina Sta	te University	Advance Planning Request: X New Capital Project*:			
	rease in Authorization from: \$oject Title: CBC Chiller Plant Expansion					
Pro	oject Cost: AP Request \$200,000 (Total	Project Cost \$3,626,448				
So	urce of Funds: Thermal Assessments					
	this project has previously had advance hority is carried. Code Item _		identify code/item number under which that			
Fo	r each advance planning project or cap	oital construction projec	t, please provide the following:			
1.	A detailed project description and justif	fication:				
	demand for a chiller plant expansion.	This project will provide generation capacity at the	orth in the next ten years, resulting in an increased the complete design, procurement, and installation the Centennial Biomedical Campus Utility Plant. lability permits.			
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 req construction only):	uirements over the life of	the project by FY quarters (Answer for capital			
4.	An estimated schedule for the completi-	on of the project:				
	Design Start: January 19, 2015	Design Complete:	May 31, 2016			
	Construction Start: August 1, 2016	Construction Con	nplete: March 30, 2017			
5.	An estimate of maintenance and operation covering the first five years of operation		nding to support these costs, including personnel, struction 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):					
7.	An explanation of the means of financia	ng:				
	Thermal assessments currently residing in 41224 306 will be transferred after authority approval to fund initial design. Future thermal assessments will fund future phases of the project					

Form OC-25 (Rev 05/12)

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

DEPARTMENT and DIVISION: North Carolina State University						DATE:	11/24/14	
PROJECT IDENTIFICATION: Centennial Biomedical Campus (pansion				
	PROJECT CITY or LOCATION: Raleigh - West Campus Precinct							
PROJE	PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)							
Centen	nial Biomedical Campus will experie	ence significant growt	n in the next te	en years, result	ing in an inci	eased	demand for a c	hiller plant expansion.
	oject will provide complete design, p	rocurement, and inst	allation service	es to increase t	he chilled wa	ter ger	neration capacit	y at the Centennial
Biomed	lical Campus Utility Plant.							
		V V V V V						
	ons/explanations are provided on pg 2 to		this form.)		F 1 1 2 2 2 2 2 2 2 2 3 3 3		·	
	ENT ESTIMATED CONSTRUCTION	10081		QTY	UNIT	COS	T PER UNIT	TOTAL
A. B.	Land Requirement Site Preparation		Į.					\$0
D.	Demolition		1					401
	Site Work							\$0
C.	Construction		J					\$0
0.	Utility Services				-			# 0
	Building Construction (new spa	ace)						\$0 \$0
	Building Construction (existing)			15,504	GSF	\$	15.00	\$232,560
	Plumbing (existing space)			10,001		Ψ	13.00	\$0
	5a. HVAC (existing space)			15,504	GSF	\$	45.00	\$697,680
	5b. HVAC (controls)			15,504		\$	16.00	\$248,064
	6. Electrical (existing space)			15,504	GSF	\$	18.00	\$279,072
	7. Fire Supression and Alarm Sys		m)	15,504	GSF	\$	5.00	\$77,520
	8. Telephone, Data, Video (existi							\$0
	Associated Construction Costs	Q.		1	lump sum	\$	120,000.00	\$120,000
_	10. Other:							\$0
D.	Equipment							
	 Cooling Tower Chiller 				unit	\$	684,000.00	\$684,000
ESTIM	ATED CONSTRUCTION COSTS			1	unit	\$	627,000.00	\$627,000
ESTIMATED CONSTRUCTION COSTS \$2,965,896 Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.								
items be	low may be calculated by percentage of it	mip sum. II using lump s	um, make entry	in a neid.				
DESIG	N FFF	10 %	(% of Estimate	d Construction C	nete)		1	\$296,590
	DNSTRUCTION COSTS	1 %	(% of Estimate	d Construction C	osts [1% for (MARic	<i>ν</i> ι	\$29,659
	ISSIONING			1.0% moderate; 1	\$44,488			
	AL INSPECTIONS/MATERIALS		(1.25% estimat		1.0 70 dompiox	,		\$7,415
	INABILITY -			d, 2% LEED Silv	er)		1	\$0
	-	1			10 C C C C C C C C C C C C C C C C C C C		1	Ψ0
ΔΠΙ/ΔΝ	ICE PLANNING	%	1% of Estimate	amming, feasibilit d Construction C	y, anaiysis			¢n
	-							\$0
CONTI	NGENCIES _	5 %	(% of Estimate	d Construction C	osts [3% New	or 5%	R&R])	\$148,295
-O-11.4	ATED 000T0 (0) (E 1)							
ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee)						\$3,492,343		
	ion = percent per month multiplied b		00		0.40	0.4	200	
(From Est. Date to mid-point of construction) = 32 months								
General E	lags: 0-17 mos = 0%; 18-23 mos = .04%; 24-35	mos = .12%; 36-47 mos = .1	16%; 48-60 mos = .	18%				
Health Blo	lgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 n	nos = .26%; 18-23 mos = .29	%; 24-35 mos = .3	3%; 36-47 mos = .36	6%; 48-60 mos =	.38%		
	ATION COST INCREASE (Total of						[\$134,106
TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase)						\$3,626,448		
ADDDC	OVED BY: Lina in			TITLE University	Aughita - t		(5	DATE 11.25.14
ALFRU	(Governing Board or Agend	cy Head)	_	TITLE University	ALCHITECT			UAIE .

Ins	titution:	North Carolina A& T Sta	te University	Advance Planning Request:
_				New Capital Project*:
	rease in Authorizate ject Title: Agricu	tion from: \$_1,200,000 ultural Pavilion	to \$_4,528,000	
Pro	oject Cost: \$4,500,	000		
Soi	urce of Funds: Fed	eral Grant		
		eviously had advance planni Code_40437 Item		tify code/item number under which that
Fo	r each advance pla	anning project or capital c	onstruction project, ple	ase provide the following:
1.		t description and justification quare feet multipurpose room		a new 17,200 square feet facility that will s.
2.	An estimate of ac (a completed OC-		site development, constru	action, contingency and other related costs
3.		-	-	roject by FY quarters (Answer for capital -No Cash From State Resources will be
4.	An estimated scho	edule for the completion of t	he project: Designer Sele	ection February 2015
5.		Construction Document Su		15; Design Development Submittal Construction Start June 2016; Construction
6.				to support these costs, including personnel, ion only): Source of Funds - Federal Grant
7.		venues, if any, likely to be d al construction only): None	erived from the project, o	covering the first five years of operation
8.	An explanation of	f the means of financing: Pr	oject is Funded By Feder	ral Grant



North Carolina Department of Administration

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

OC-25: 20136050094
Proposed Capital Improvement Project
Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)

INSTITUTION OR AGENCY: NC A & T State University

PROJECT IDENTIFICATION: Construction of Agriculture and Environmental Sciences Pavilion at NC A&T State University

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

PROJECT DESCRIPTION AND JUSTIFICATION: Scope: The proposed building is to be multi-functional, esthetically pleasing without being ornate or ostentatious, economical to construct and operate. The facility will be centered around an approximately 4500 SF Multi-Purpose area with a circulation corridor on all four sides. The overall building will have nice facade and be a basic farm type building of about 17,200SF gross area.. This Facility is to be a Signature Building for the NC A&T Farm and the School of Agriculture and Environmental Sciences (SAES).

There will be a pleasing entry into a lobby which will have an area to have displays (a Hall of Fame for example). An Executive Suite will be on the exterior wall (possibly) by the entry. Continuing into the circulation corridor, which is located on the four sides of the Multi-Purpose Room, there will be two office areas for Faculty and Researchers, a Break Room, and two Lab/Teaching Rooms. There will also be Service/Store Rooms for the Utility Services; Electrical, Mechanical and HVAC Equipment, Sprinklers and Information Technology. There will be an area for Food Prep for Caterers to keep prepared food hot or cold for meal events.

Storage space(s) will be provided for operating supplies, small office equipment and the tables and chairs to be used in the Multi-Purpose Room. The building will have AV, Internet, etc. capability with appropriately equipted room(s) to house and secure the AV Equipment as well as Projection Units and Control Panels (similar to Coltrane Hall and Stallings Ballroom in the Student Union).

Restrooms will be provided for the building in complience with current Building Codes. The finishes in the Office and Classroom/Labortory areas will be upgreded to the extent appropriate for a building with a very high level of business and scientific people visiting on a daily basis.

There will be a covered outdoor area along one of the exterior sides of the building to provide an outside Patio Area (6000SF) where we will be able to hold occasional out door activities (receptions, cookouts, presententationes, etc).

<u>ITEM</u>	QTY	UNIT	COST PER UNIT	TOTAL
2. Site Work	17200.0	Square Feet	\$2.50	\$43,000
1. Utility Services	17200.0	Square Feet	\$2	\$34,400
2. Building Construction (new space)	17200.0	Square Feet	\$155.61	\$2,676,492
4. Plumbing (new space)	17200.0	Square Feet	\$13	\$223,600
5. HVAC (new space)	17200.0	Square Feet	\$23	\$395,600

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

Electrical (Includes TV & Radio Studio)	17200.0	Square Feet	\$8	\$137,600
7. Fire Suppression and Alarm Systems	17200.0	Square Feet	\$3	\$51,600
8. Telephone, Data, Video	17200.0	Square Feet	\$10	\$172,000
9. Associated Construction Costs	17200.0		\$0	\$0
10. Other	17200.0	Square Feet	\$12	\$206,400
ESTIMATED CONSTRUCTION COST:				\$3,940,692

DESIGN FEE	9%	(% of Estimated Construction Costs)	\$354,662
PRECONSTRUCTION COSTS	1%	(% of Estimated Construction Costs [1% for CM@Risk])	\$39,406
COMMISSIONING FEE	1%	(0.5% simple, 1% moderate, 1.5% complex)	\$39,406
SPECIAL INSPECTIONS/MATERIALS	1%	(1.25% Estimated)	\$39,406
SUSTAINABILITY	0%	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	1%	(% of Estimated Costs - includes programming, feasibility, analysis)	\$39,406
CONTINGENCIES	1%	(% of Estimated Costs [3% New or 5% R&R])	\$39,406
ESTIMATED COSTS	`	ed Construction Costs + Design Fee + Preconstruction + Commissioning	\$4,492,384

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

(From Est, Date to mid-point of construction) = 20 months @ 0.04%

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

\$35,939

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

\$4,528,000

DATE RECEIVED: 2014-10-13 APPROVE

APPROVED BY: grogers

DATE APPROVED: 2014-10-22

CERTIFICATION

The State Construction Office in accordance with GS 143-341(3) certifies the feasibility of this Statement of Need

pursuant to GS 143-6.

Signature:_

_ Date: 2014-10-22

COMMENTS:

- 1. [2014-10-22 09:05:57] Iflewellen Approve
- 2. [2014-10-13 12:23:36] NCBARLOW Submit
- 3. [2014-09-26 12:15:47] giberson Save
- 4. [2014-09-25 16:37:58] giberson Save
- 5. [2014-09-25 16:35:27] giberson Line C 10 value is for FFE
- 6. [2014-09-25 16:34:27] giberson disregard comment below 2014-09-18 10: referring to Line C7comment and value, information incorrect, later corrected.
- 7. [2014-09-25 16:29:04] giberson Please disregard comments dated 2014-09-18 07. I could not delete after the referenced data was modified.
- 8. [2014-09-25 11:59:33] giberson Save
- 9. [2014-09-24 11:48:27] giberson Save

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

- 10. [2014-09-23 12:04:44] giberson Save
- 11. [2014-09-23 11:58:20] giberson Save
- 12. [2014-09-23 11:53:43] giberson Save
- 13. [2014-09-23 11:23:27] giberson Save
- 14. [2014-09-23 11:21:43] giberson Save
- 15. [2014-09-23 11:16:07] giberson Save
- 16. [2014-09-23 11:04:24] giberson Save
- 17. [2014-09-22 17:45:57] giberson Save
- 18. [2014-09-22 17:08:06] giberson Save
- 19. [2014-09-22 16:52:38] giberson Save
- 20. [2014-09-22 12:06:36] giberson Save
- 21. [2014-09-18 11:10:34] giberson Save
- 22. [2014-09-18 10:35:33] giberson Comment on 09-18 7am in Line C7 comment C7 value should be 1.8 of ECC
- 23. [2014-09-18 10:21:31] giberson Save
- 24. [2014-09-18 08:26:29] giberson Save
- 25. [2014-09-18 07:24:12] giberson Line B2 and C1 are included in Line C2.
- Line C4, C5 and C6 are included in Line C2
- Line C7 value is 1.8& of Estimated Construction Costs(ECC) \$3,621,350.00
- Line C8 value is 6% of ECC
- Line C10 value for FFE is 10% of ECC
- Lines D1 and D2 Equipment are included in Line C10 FFE
- 26. [2014-09-18 06:57:36] giberson Create