Situation: ECU, NCSU, UNC-CH, UNCC, and UNCG have requested authority to proceed

with non-appropriated capital improvements projects using available funds derived from athletic receipts, carry-forward, dining receipts, educational foundation funds, endowment funds, facilities and administrative receipts,

housing receipts, and non-general fund balances.

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

advance planning projects at UNC campuses using available funds.

Assessment: ECU, NCSU, UNC-CH, UNCC, and UNCG 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 – ECU, NCSU, UNC-CH, UNCC, and UNCG

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

<u>ECU – Biotechnology Building Elevator Modernization</u>: This project will modernize two hydraulic elevators consecutively at HSC Biotechnology Building (circa 1989). Improvements include ADA modifications as well as lighting and cooling improvements in the elevator machine room to support modern electronic elevator controls. The project, estimated to cost \$321,000, will be funded by carry-forward funds, and will be completed by October 2017.

<u>ECU – Replace Steam and Condensate at College Hill Area</u>: This project will replace the existing 60-year-old steam and condensate lines (including asbestos abatement) and unsafe manholes with new upsized steam and condensate lines, larger accessible manholes with vent shafts and electrical sump pumps. These are full-sized steam and condensate mains that service the College Hill area of main campus and also form a portion of the main campus steam loop serving all of main campus. All new piping will be pre-engineered, pre-insulated double-jacketed system for energy efficient distribution of steam and condensate. The project, estimated to cost \$1,000,000, will be funded by carry-forward funds, and will be completed by August 2017.

<u>ECU – Joyner Library Roof Replacement</u>: The Joyner Library roof is at the end of its useful life. It is approximately 20 years old and showing significant deterioration. The construction will remove and replace the existing single-ply membrane and tapered/flat insulation roof with a modified bitumen roof on a new lightweight insulating concrete substrate. The project, estimated to cost \$1,637,010, will be funded by carry-forward funds, and will be completed by August 2016.

<u>ECU – Main Campus Switch Replacement</u>: This project will replace switches at the Main Campus. Both the existing sectionalizing switches are "Live-Front" style switches that are old; and new "Dead-Front" style switches need to be installed, per SCO Construction Guidelines. Work involves the removal of existing switches, concrete pads, partial duct-banks, and cables to/from adjacent switches. These switches are adjacent to and interact with the site electrical work for the Main Campus Student Union project. Schedule for replacement of these switches must be coordinated with Student Union project, which is under construction at this time. The project, estimated to cost \$329,295, will be funded by carry-forward funds, and will be completed by October 2016.

<u>ECU – College Hill and Minges Stormwater Relining</u>: This project will re-line stormwater drainage pipes at College Hill and Minges Coliseum. Approximately 400 linear feet of stormwater drainage pipe serving College Hill and 640 linear feet of stormwater drainage pipe serving the Minges Coliseum parking lots have failed in various locations due to holes in the pipe and joint separations. The project scope is to re-line the pipe in lieu of replacing it with new piping. This will avoid closing down large areas of heavily used campus roadway and parking lots for repairs. Pipe relining has

already successfully been used on campus. The project, estimated to cost \$376,000, will be funded by carry-forward funds, and will be completed by May 2017.

ECU – Replace Chilled Water Service and Repair HVAC System in McGinnis, Messick, and Speight: This project will remove the old chillers and connect the three buildings to the campus loop that has sufficient extra capacity to add chill water loads from all three buildings and provide redundancy that doesn't exist with the current arrangement. Additionally, the project will replace aging coils and valves and replace the Speight steam and condensate lines. The result will be greater dependability of systems, better ability to maintain the building environment that is required by user groups and increased energy efficiency. McGinnis, Messick, and Speight are adjacent buildings whose chilled water is supplied by aging and problematic chillers that often need expensive repairs and make building temperature and humidity difficult to control. McGinnis air handlers have aging coils and valves that need to be replaced for dependability and efficiency. Speight steam and condensate lines leak. The project, estimated to cost \$1,140,000, will be funded by carry-forward funds, and will be completed by May 2017.

<u>ECU – Replace Steam and Condensate Lines at Mendenhall, North Side</u>: This project will replace the steam and condensate lines on the north side of Mendenhall Student Center. The steam and condensate lines are old, deteriorating, leaking, and need to be replaced. Previously abandoned lines in the same area need to be demolished. Replacement of the lines will result in greater reliability of the system, fewer maintenance labor hours, increased comfort for building users, increased energy efficiency and a decrease in expensive outside contractor assistance required during emergency outages. The project, estimated to cost \$520,000, will be funded by carryforward funds, and will be completed by May 2017.

<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>UNC-CH – Men's Locker Room Renovation at the Smith Center</u>: This project will renovate the existing Men's Basketball Locker Suite at the Smith Center. The renovation will include a separate locker room for players, coaches, and staff, new toilets and showers, nutritional and beverage station, therapy areas, media room, team meeting and video space, and players' lounge. The area of work is approximately 12,000 square feet. The project, estimated to cost \$4,208,103, will be funded by educational foundation funds, and will be completed by September 2016.

<u>UNCC</u> – Campus Circulation Improvements: This project will provide site improvements to accommodate increased and changed pedestrian and vehicular patterns associated with the Charlotte Area Transit System (CATS) light rail extension. The improvements will be primarily focused on the main station on campus and the J.W. Clay station. The project will include new and improved sidewalks, bus and taxi pull-offs, and signage. Work associated with the J.W. Clay station is intended to properly orient and move passengers back and forth from the station and through campus and will extend beyond the immediate area of the station. Construction completion is intended to coincide with CATS' completion of work. The project, estimated to cost \$1,000,000, will be funded by facilities and administrative receipts, and will be completed by August 2017.

<u>UNCC – Admissions Center</u>: This project will construct a new Admissions and Visitors Center on campus. The Admissions and Visitors Center is intended to welcome prospective students and their families to campus, house undergraduate admissions offices, and serve as a starting point for campus orientation and tours. Current facilities are inadequate to serve the increased numbers of prospective students and their families visiting campus. Over 9,000 people visited the Admissions office in 2014; over 10,000 guests attended a campus tour and information session with many more being turned away due to space limitations. Current information session meeting rooms will only accommodate 48 people; a typical tour size is 100. The Admissions staff, which will occupy this building, processed more than 23,000 admission applications for the 2015 academic year. UNC Charlotte has experienced a 73% increase in applications for admission over the last 10 years. The building will be located in the South Village area of campus near the main entrance. The project, including previously approved advance planning of \$700,000 is estimated to cost \$8,000,000, will be funded by endowment funds, and will be completed by February 2018.

<u>UNCG – Renovations to 1510 Walker Avenue</u>: This project will combine renovation and repurposing of 1510 Walker Avenue, currently used as the Student Recreation Center, with the adjacent Coleman building to expand use by the School of Health and Human Sciences, Dance Department, and UNCG Middle College. These renovations will directly address Dance programs' need to meet accreditation requirements and the School of Health and Human Sciences' enrollment growth demand. The project, including previously approved advance planning of \$500,000, is estimated to cost \$7,523,000, will be funded by facilities and administrative receipts and non-general fund balances, and will be completed by December 2017.

## <u>Authorization for Advance Planning of New Capital Improvements Projects – ECU, NCSU, UNCC, and UNCG</u>

East Carolina University, North Carolina State University, the University of North Carolina at Charlotte, and the University of North Carolina at Greensboro have requested authority to establish advance planning of the following projects.

<u>ECU – Brody Building High Rise Code Study</u>: This study is intended to better define and verify any compliance issues as well as establish approved corrective action with the Office of State Construction. The Brody High Rise Building was designed under the 1967 N.C. Building Code and the original construction documents are dated October 10, 1978. The University is evaluating the building's current four egress stair towers that do not fully comply with Section 1008 of this 1978 N.C. Building Code as mandated by the Office of State Construction for high rise buildings. For any non-compliance issues found, this study will include the preparation of schematic design solution options, along with cost estimates, for bringing the Brody Building into compliance. This advance planning authorization will utilize \$125,000. The project, estimated to cost \$4,954,440, will be funded from carry-forward funds.

<u>ECU – Mendenhall Catering Kitchen Renovation</u>: This project will renovate the Mendenhall Catering kitchen. The dining area in Mendenhall Student Center is being eliminated with the construction of the new Student Center. The University catering services will remain in Mendenhall. The food court

space as well as the existing kitchen needs to be remodeled to serve the catering needs as well as to create offices for catering staff. This advance planning authorization will utilize \$200,000. The project, estimated to cost \$3,723,177, will be funded from dining receipts.

<u>NCSU – Murphy Center Media Center Renovation</u>: The project will renovate 5,500 square feet of space in the Murphy Center to create a Media Broadcast Center. The project converts a racquetball court and conference space to accommodate donated media broadcast equipment. This advance planning authorization will utilize \$195,000. The project, estimated to cost \$1,950,000, will be funded from athletic receipts.

<u>UNCC – West Substation</u>: The project will add a second electrical substation to feed electricity from Duke Energy 100 KVA supply on the west side of campus (across W.T. Harris). This is needed to provide redundancy to the electrical source which will insure fail safe operation for research activities and business continuity in the case of natural or man-made disasters. This advance planning authorization will utilize \$650,000. The project, estimated to cost \$6,500,000, will be funded from carry-forward funds and facilities and administrative receipts.

<u>UNCG – Ragsdale-Mendenhall Residence Hall Renovation</u>: Ragsdale-Mendenhall Residence Hall was constructed in 1950. This renovation will provide new mechanical and electrical systems to meet current standards, replace exterior windows for improved energy efficiency, and provide ADA upgrades including the modernization of the existing elevator and interior finishes throughout the building. This advance planning authorization will utilize \$1,030,000. The project, estimated to cost \$10,300,000, will be funded from housing receipts.

#### <u>Authorization to Increase the Scope of a Capital Improvements Projects – NCSU</u>

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

NCSU – Murphy Center Locker Room Upgrade: This project, approved in August 2015 by the Board, needs additional funding to renovate the team locker room in the Murphy Center with updated flooring, wall finishes, and lockers. The increase in funding is being requested due to locker costs exceeding estimated cost. The increase in authorization of \$200,000 (from \$472,000 to \$672,000) will be funded by athletic receipts.

Institution:	rolina University			Advance Planning Reque	est:		
Increase in Authorization	n from:	<u>\$ 0</u> to	\$ 321,00	<u>00</u>		New Capital Project*:	X
Project Title:		Biotech	nnology Bu	uilding Elevato	or Modernizatio	n	
Project Cost:		\$ 321,0	000				
Source of Funds:		2014- 2	2015 Carry	Forward Fun	ds		
*If this project has previ	ously ha	d advanc Code	ce planning Item	g authority, ple	ease identify cod	le/item number under whi	ch that

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

1. A detailed project description and justification:

Modernize two hydraulic elevators consecutively at HSC Biotechnology Building (circa 1989). Include ADA modifications and both lighting & cooling improvements in the elevator machine room to support modern electronic elevator controls.

- 2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs \$321,000 A completed OC-25 form is attached.
- 3. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):

	Q1	Q2	Q3	Q4
FY2016				\$120,000
FY2017	\$25,000	\$55,000	\$55,000	\$34,000
FY2018	\$16,000	\$16,000		

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

Construction: Jun 10 2017 through October 2017.

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

No added M&O funds requested.

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 added revenue is anticipated.

7. An explanation of the means of financing:

2014- 2015 Carry Forward Funds.

Form OC-25 (Rev 09/14)

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

DEPARTMENT and PROJECT IDENTIF	_	East Carolina Univ		or Modernizati	on		DATE:	Jan 12 2	2016
PROJECT CITY or I	_	Greenville - Pitt Co		or wodernizati	011				
	- PTION & JUSTIFICATION		,						
	Iraulic elevators conse		technology	Building (circa	1989). Inclu	ıde ADA mod	ification	s and botl	h
	improvements in the e					tor controls.	Project (	design	
• •	construction docume	-		n submittal nov	v required.				
	ns are provided on pg 2 to		this form.)						
	TED CONSTRUCTION	COST		QTY	UNIT	COST PER	UNII	IC	OTAL
A. Land Requir									
B. Site Prepara						Δ.	00.00	ф.	04.000
1. Demoliti				1200	Sf	\$	20.00	\$	24,000
2. Site Wor									
C. Construction						1	1		
1. Utility Se		\							
	Construction (new space			050	0.5	¢	E0 00	¢	10 500
•	Construction (Renovati	on at Machine Rm and	Halls)	250	Sf	\$	50.00	\$	12,500
	ng (new space)	·· Marabia - Day		250	Ct	¢	70.00	<b>c</b>	17,500
	Add split-system A/C fo			250	Sf	\$	35.00		42,000
	al (Upgrade panel for Em		onnection)	1200	Sf	Þ	33.00	Ъ	42,000
	oression& Alarm System one, Data, Video	15							
	ted Construction Costs								
10. Other:	ieu constiuction costs								
D. Equipment									
1 1	Two Elevator Modernizat	ion Packages )		2	ea	\$	95,000	\$	190,000
2. Moveab		ion r dekages /			Ca	*	,	*	
	STRUCTION COSTS							\$	286,000
	culated by percentage or li	ump sum. If using lump	sum, make enti	ry in \$ field.				*	
DESIGN FEE	-	3 %	(% of Estimate	ed Construction C	nsts)			\$	8,580
PRECONSTRUCTION OF THE	ON COSTS			ed Construction C		CM@Riskl)		*	
COMMISSIONING	_			1.0% moderate; 1	-				
SPECIAL INSPECT	IONS/MATERIALS -		(1.25% estima			,			
SUSTAINABILITY	_			ld, 2% LEED Silve	er)				
	_			amming, feasibilit					
ADVANCE PLANNII	NG _	%	(% of Estimate	ed Construction C	osts)				
CONTINGENCIES	_	5 %	(% of Estimate	ed Construction C	osts [3% New	or 5% R&R])		\$	14,300
ESTIMATED COST:	S (% of Estimated Co	onstruction Costs + Cont	ingencies + D	esian Fee)				\$	308,880
	t per month multiplied by		5	<i>y</i>					
•	id-point of construction)		15	months	0.26	% per month			
General Bldgs: 0-17 mos =	= 0%; 18-23 mos = .04%; 24-35	mos = .12%; 36-47 mos = .	16%; 48-60 mos	= .18%		•			
Health Bldgs: 0-5 mos = .	18%; 6-11 mos = .22 %; <u>12-17</u>	mos = .26%; 18-23 mos = .2	29%; 24-35 mos	= .33%; 36-47 mos =	.36%; 48-60 mo	os = .38%	_		
ESCALATION COS	T INCREASE (Total of I	Estimated Costs x <b>Esc</b>	alation %)					\$	12,046
TOTAL ESTIMATE	ED PROJECT COSTS	(Estimated Costs + Esc	alation Cost Inc	rease)				\$	320,926
ADDDOVED DV.				TITLE			•	DATE	
APPROVED BY:	(Governing Board or Agend	 cy Head)	_	TITLE		<u>——</u>		DAIL	
	,	,,							

Institution:	East Carolina University	Advance Planning Request:  New Capital Project*: X
	ization from: \$0 to \$_1,000,000_ lace Steam & Condensate at College Hill Area	Tiew Cupital Project :
Project Cost: \$1,0	00,000	
Source of Funds: 2	2014- 2015 Carry Forward	
*If this project has authority is carried	previously had advance planning authority, please ic Code Item	lentify code/item number under which that

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

1. A detailed project description and justification:

Replace existing 60 year old steam & condensate lines (including Asbestos Abatement) and unsafe manholes with new upsized steam and condensate lines, larger accessible manholes with vent shafts and electrical sump pumps. These are full sized steam & condensate mains that service the College Hill area of main campus and also form a portion of the main campus steam loop serving ALL of main campus. All new piping to be preengineered, pre-insulated double jacketed system for energy efficient distribution of steam & condensate.

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

OC-25 is attached

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

FY 2016-2017	Q1	\$55,000
	Q2	\$43,500
	Q3	\$485,000
	Q4	\$368,500
FY 2017-2018	Q1	\$48,000
TOTAL		\$1,000,000

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

Tentative construction start in December 2016 with completion in August 2017.

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

Reduced operating and maintenance costs by eliminating leaks and on-going repairs.

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):

Reduced operating and maintenance costs by eliminating leaks and on-going repairs.

7. An explanation of the means of financing:

2014 -2015 Carry Forward Funds

Form OC-25 (Rev 09/14)

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

DEPARTMENT and DIVISION:	East Carolina University				DATE:	01/15/	16
PROJECT IDENTIFICATION:	Replace Steam & Condensate	at College Hill Ar	ea	_			
PROJECT CITY or LOCATION:	Greenville, NC						
PROJECT DESCRIPTION & JUSTIFICATIO	N: (Attach add'l data as necessary to i	indicate need, size, fu	ınction of impro	ovements as well as	a master	plan.)	
Replace existing 60 year old steam & conder lines, larger accessible manholes with vent s Hill area of main campus and also form a por insulated double jacketed system for energy	hafts and electrical sump pump tion of the main campus steam	s. These are full loop serving ALL	sized steam	& condensate n	nains th	nat servic	e the College
(Definitions/explanations are provided on pg 2 to a		O.T.V	I	Loopen	<del>.</del>		FOTAL .
CURRENT ESTIMATED CONSTRUCTION (	COST	QTY	UNIT	COST PER I	JNH	\$	ΓΟΤΑL
<ul><li>A. Land Requirement</li><li>B. Site Preparation</li></ul>						Φ	
Demolition - Existing steam & AC     Site Work - Includes 6.5 ft deep b		600	LF	\$	80	\$	48,000
dewatering, shoring, concrete vault in work & site restoration including land	nstallation, non-steam utility re-	145	YDS	\$	400	\$	58,000
<ul><li>C. Construction</li><li>1. Utility Services - Temp above gra</li></ul>	ade steam line	200	LF	\$	100	\$	20,000
2. Building Construction (new space	e)					\$	-
3. Building Construction (existing)						\$	-
<ol> <li>Plumbing (new space)</li> <li>HVAC (new space) - New Steam</li> </ol>	2 Candoncato	224	1.5	\$	2,234	\$ \$	723,816
<ul><li>5. HVAC (new space) - New Steam</li><li>6. Electrical (Includes TV &amp; Radio S</li></ul>		324	LF EA	\$	3,500		7,000
7. Fire Supression and Alarm Syste			LA	\$	-	\$	-
8. Telephone, Data, Video						\$	-
9. Associated Construction Costs						\$	-
10. Other:						\$	-
D. Equipment			•	_	1		
1. Fixed						\$	-
2. Moveable						\$	OE/ 01/
ESTIMATED CONSTRUCTION COSTS	man our If using lump our moles o	nto in ¢ field				\$	856,816
Items below may be calculated by percentage or lui	np sum. II using lump sum, make ei	ntry in \$ neid.					
DESIGN FEE	10 % (% of Estima	ated Construction C	Costs)		Ī	\$	85,682
PRECONSTRUCTION COSTS		ated Construction C	•	CM@Risk])		\$	-
COMMISSIONING		e; 1.0% moderate;	1.5% comple	x)		\$	-
SPECIAL INSPECTIONS/MATERIALS	0.75 % (1.25% estir					\$	6,426
SUSTAINABILITY	% (3% LEED 0	Gold, 2% LEED Silv	ver)			\$	-
ADVANCE PLANNING		ogramming, feasibili ated Construction C				\$	-
CONTINGENCIES	5 % (% of Estima	ated Construction C	Costs [3% Nev	w <b>or</b> 5% R&R])		\$	42,841
ESTIMATED COSTS (% of Estimated Cor	nstruction Costs + Contingencies +	Design Fee)				\$	991,765
Escalation = percent per month multiplied by (From Est. Date to mid-point of construction) = General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 m		19 months os = .18%	0.04	4 % per month	•		
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m		s = .33%; 36-47 mos =	.36%; 48-60 mc	os = .38%	ı	<u> </u>	7 527
ESCALATION COST INCREASE (Total of E	,	norogoo)			İ	\$	7,537 <b>1,000,000</b>
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Escalation Cost I	,				\$	1,000,000
APPROVED BY:		TITLE				DATE	

Institution:	East Carolina University	Advance Planning Request:	
	<u> </u>	New Capital Project*:	X
Increase in Authoriza	ation from: \$_44,000 to \$_1,681,010		
Project Title:	Joyner Library Roof Replacement		
Project Cost:	\$1,637,010		
Source of Funds:	2014-2015 Carry Forward Funds		

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

1. A detailed project description and justification:

The Joyner Library roof is at the end of its useful life. It is approximately 20 years old and showing significant deterioration. The construction will remove and replace the existing single-ply membrane and tapered/flat insulation roof with a modified bitumen roof on a new light weight insulating concrete substrate.

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

\$1,637,010

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

4Q FY16	\$ 15,000
1Q FY17	\$1,262,010
2Q FY17	\$360,000

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

Activity	Start	Complete
Design Review	Feb 2016	Mar 2016
Bid	Apr 2016	May 2016
Award Contracts	Jun 2016	Jun 2016
Construction	Jul 2016	Aug 2016

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

No additional M & O funds requested.

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 added revenue anticipated.

7. An explanation of the means of financing:

2014-2015 Carry Forward Funds

<sup>\*</sup>If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code 41336 Item 328 (Interscope Plus Project ID #10970)



# North Carolina Department of Administration

Pat McCrory, Governor Bill Daughtridge, Jr. Secretary State Construction Office

January 21st, 2016 **OC-25:** 20176050081

**Proposed Capital Improvement Project** 

Biennium: 2015-2017

**STATE DEPARTMENT:** Educational Institutions (Universities)

**INSTITUTION OR AGENCY:** East Carolina University

PROJECT IDENTIFICATION: Joyner Library Roof Replacement

PROJECT TYPE: Roofing

CLASSIFICATION: Repairs, Reroofing, Renovations

**PROJECT DESCRIPTION AND JUSTIFICATION:** Design for this project was completed under Code 41336 Item 328, State Construction ID # 10970. Remove and replace existing single-ply membrane and tapered/flat insulation roof with modified bitumen on light weight insulating concrete substrate.

#### SUPPORTING DOCUMENTATION OF DETAILED BREAKDOWNS:

Attachments: File: OC-25\_Revision\_5-2012.xls

File: OC-25\_Revision\_6-2012 (4).xls

File: OC-25 Replace Joyner Roof 01-11-16.xls

File: OC-25\_Revision 1-19-16 (1).xls

Replace Joyner Library Roof File: Replace Joyner Library Roof OC-25 01-

19-16.xls

### ESTIMATED CONSTRUCTION COST: \$1,515,750

DESIGN FEE	3.0%	(% of Estimated Construction Costs)	\$45,473
PRECONSTRUCTION COSTS	0%	(% of Estimated Construction Costs [1% for CM@Risk])	\$0
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	0%	(% of Estimated Costs - includes programming, feasibility, analysis) \$	\$0
CONTINGENCIES	5%	(% of Estimated Costs [3% New or 5% R&R])	\$75,788

Mailing Address: 1307 Mail Service Center Raleigh, NC 27699-1307 **Telephone** (919)807-4100 Fax (919)807-4110 State Courier #56-02-01

**Location**: 301 N. Wilmington St. Suite 450 Raleigh, North Carolina 27601 Escalation % = percent per month multiplied by the number of months: (From Est, Date to mid-point of construction) = 12 months @ 0.00

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

\$0

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

\$1,637,000

DATE RECEIVED: 01/19/2016	APPROVED BY: grogers	DATE A	APPROVED: 01/19/2016	
	CERTIFICATION			
The State Construction Office in acc	cordance with GS 143-341(3) certifies the	feasibility of t	this Statement of Need	ł
	pursuant to GS 143-6			
Signature Victo	14-1-			
Signature / / / /	Cept -	Date:	01/19/2016	

COI	ими	FNT	S

DATE	AUTHOR	COMMENT
1. 1/19/2016 4:36:42 PM	Interscope (System)	Cost Estimate updated on Jan 19 2016 4:36PM by grogers
2. 1/19/2016 4:36:41 PM	Interscope (System)	Workflow Step 3 - APPROVE - Status is: Approved on Jan 19 2016 4:36PM by grogers
3. 1/19/2016 1:49:47 PM	Interscope (System)	Cost Estimate updated on Jan 19 2016 1:49PM by fieldsjo
4. 1/19/2016 1:49:46 PM	Interscope (System)	Workflow Step 2 - SUBMIT - Status is: Submitted on Jan 19 2016 1:49PM by fieldsjo
5. 1/19/2016 1:49:46 PM	Interscope (System)	Cost Estimate updated on Jan 19 2016 1:49PM by fieldsjo
6. 1/19/2016 1:49:02 PM	Interscope (System)	Cost Estimate updated on Jan 19 2016 1:49PM by fieldsjo
7. 1/19/2016 1:48:29 PM	Interscope (System)	Cost Estimate updated on Jan 19 2016 1:48PM by fieldsjo
8. 1/19/2016 1:48:29 PM	Interscope (System)	Workflow Step 3 - APPROVE - Status is: Rejected on Jan 19 2016 1:48PM by fieldsjo
9. 1/19/2016 1:45:46 PM	Interscope (System)	Cost Estimate updated on Jan 19 2016 1:45PM by fieldsjo
10. 1/19/2016 1:45:45 PM	Interscope (System)	Workflow Step 2 - SUBMIT - Status is: Submitted on Jan 19 2016 1:45PM by fieldsjo
11. 1/19/2016 1:45:45 PM	Interscope (System)	Cost Estimate updated on Jan 19 2016 1:45PM by fieldsjo
12. 1/19/2016 1:45:38 PM	Interscope (System)	Cost Estimate updated on Jan 19 2016 1:45PM by fieldsjo
13. 1/19/2016 1:45:33 PM	Interscope (System)	Cost Estimate updated on Jan 19 2016 1:45PM

Institution:	East Carolina University	Advance Planning Request:
		New Capital Project*: X
Increase in Aut	thorization from: \$ to \$	
Project Title:	Main Campus Switch Replacement SS#18 & SS#16	5A
Project Cost: _	\$329,295	
Source of Fund	ls: 2014 -2015 Carry Forward Funds	
1 3	has previously had advance planning authority, please ried. Code Item	e identify code/item number under which that

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

1. A detailed project description and justification:

Both the existing sectionalizing switches are "Live-Front" style switches that are old and new "Dead-Front" style switches need to be installed, per SCO Construction Guidelines. Work involves the removal of existing switches, concrete pads, partial duct-banks and cables to/from adjacent switches. These switches are adjacent to and interact with the site electrical work for the Main Campus Student Union project; Schedule for replacement of these switches must be coordinated with Student Union project, which is under construction at this time.

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

OC-25 attached

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

		Total
		\$ 329,295
	Q2	\$ 29,295
FY 2016-17	Q1	\$ 275,000
FY 2015-16	Q4	\$ 25,000

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

Tentative start of design in spring 2016 with construction complete fall 2016

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

Existing source-no increased maintenance

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

None; but the risk associated with a Workers Comp claim is significantly reduced with Dead-Front switches.

7. An explanation of the means of financing:

2014-2015 Carry Forward Funds

Form OC-25 (Rev 09/14)

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

DEPARTMENT and DIVISION: East Carolina U	niversity				DATE:	01/14	1/16
PROJECT IDENTIFICATION: Main Campus S	Switch Replacem	nent SS#18 & SS	S#16A		•		
PROJECT CITY or LOCATION: Greenville, NC							
PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data	a as necessary to in	idicate need, size, fu	unction of impro	ovements as well	as a master	plan.)	
Both of the existing sectionalizing switches are "live front" sty	le switches that	are old and new	"dead front'	' style switche:	s need to	be insta	lled per SCO
Construction Guidelines. Work involves the removal of existing	ng switches, cor	ncrete pads, part	ial duct-banl	ks and cables	to/from a	djacent	switches.
These switches are adjacent to and interact with the site elec	trical work for th	e Main Campus	Student Uni	on project; Scl	nedule fo	replace	ement of these
switches must be coordinated with the Student Union project,	which is under	construction at th	his time.				
(Definitions/explanations are provided on pg 2 to assist in completio	n of this form.)	·		1 0007.055	S = 1		
CURRENT ESTIMATED CONSTRUCTION COST		QTY	UNIT	COST PER	RUNII		TOTAL
A. Land Requirement						\$	-
B. Site Preparation				Ι φ	10.000	Φ.	20.000
Demolition-demo existing duct bank		2	EA	\$	10,000		20,000
2. Site Work-demo and restoration of site & pad		2	EA	\$	10,052	\$	20,104
C. Construction			1	1	1	¢	
Utility Services     Residence Connection (connection)						<u>\$</u> \$	
Building Construction (new space)     Building Construction (evicting)						\$	
<ul><li>3. Building Construction (existing)</li><li>4. Plumbing (new space)</li></ul>						\$	
<ol> <li>Plumbing (new space)</li> <li>HVAC (new space)</li> </ol>						\$	
6. Electrical Equipment		2	EA	\$	100,000	\$	200,000
7. Electrical Cable		900	LF	\$	50	\$	45,000
8. Telephone, Data, Video		900	LF	Ψ		\$	- 10,000
Associated Construction Costs						\$	
10. Other:						\$	
D. Equipment			l	1		•	
1. Fixed						\$	
2. Moveable						\$	
ESTIMATED CONSTRUCTION COSTS				1		\$	285,104
Items below may be calculated by percentage or lump sum. If using lu	ımp sum, make en	try in \$ field.			ı	•	•
	, , , , , ,						
DESIGN FEE 10	% (% of Estimation	ted Construction C	Costs)			\$	28,510
		ted Construction C		CM@Risk])		\$	-
COMMISSIONING	% (0.5% simple	; 1.0% moderate;	1.5% comple:	x)		\$	-
SPECIAL INSPECTIONS/MATERIALS 0.5	% (1.25% estim	ated)				\$	1,426
SUSTAINABILITY	% (3% LEED G	old, 2% LEED Silv	ver)			\$	-
	Includes prod	gramming, feasibili	tv. analysis				
ADVANCE PLANNING		ted Construction C				\$	-
CONTINGENCIES 5	% (% of Estima	ted Construction C	`nsts [3% Na	N or 5% P&P1 \		\$	14,255
CONTINUCINCIES 5	70 (70 OI LSIIIII	ica construction c	70313 [370 NC)	W <b>OI</b> 370 KQK])		Ψ	11,200
ESTIMATED COSTS (% of Estimated Construction Costs +	Contingencies + [	Design Fee)				\$	329,295
Escalation = percent per month multiplied by number of month	Ü	2 co.ig. 1 co,			ı	•	
(From Est. Date to mid-point of construction) =		8 months	(	0 % per month			
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 mo	os = .16%; 48-60 mos			-			
Health Didge 0 F mag. 100/. / 11 mag. 200/. 10.17 mag. 200/.	2007 - 24 25	220/. 2/ 47	2/0/- 40 /0	200/			
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26%; 18-23 mos		= .33%; 36-47 mos =	.აი%; 48-60 MC	JS = .38%	ı	¢	
ESCALATION COST INCREASE (Total of Estimated Costs x	Escalation %)					\$	

Institutio	on:	East Car	colina University		A	Advance Planning Request:		
Increase	in Authorizat	ion from: _	\$0_to \$376,000			New Capital Project*: X		
Project T	Title: College	Hill and M	Inges Storm Water	Relining				
· ·			8					
Project C	Cost: \$376,00	0						
Source o	of Funds: 2014	- 2015 Ca	arry Forward Funds					
			d advance planning Item	authority, please i	dentify code/	item number under which that		
For each	advance plan	ning proje	ct or capital constru	ction project, pleas	se provide the	e following:		
1. A de	etailed project	description	n and justification:					
drain and avoi	nage pipe serv joint separation d closing dow	ring the Mi ons. The pr on large are	nges Coliseum park oject scope is to re-	ring lots have faile line the pipe in lie	ed in various lous lous lous loud of replacing	and 640 linear feet of stormwater ocations due to holes in the pipe it with new piping. This will t for repairs. Pipe relining has		
			planning, design, site 25 form is attached.		nstruction, co	ntingency and other related costs:		
	An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):							
	C	<b>Q1</b>	Q2	Q3	Q4			
FY2	2015				\$21,500	0		
FY2	2016	\$2,500	\$110,000	\$145,000	\$97,000	)		
			e completion of the kimately October, 20		2017.			
			and operating costs of operation (Answe			rt these costs, including personnel,		
	project will re therefore there			ns that are already	funded for m	aintenance and operating costs,		

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): No revenues anticipated.

2014-2015 Carry Forward Funds

Form OC-25 (Rev 09/14)

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

DEF	PARTMENT and DIVISION:	East Carolina University				DATE:	01/2	1/16
PRC	DJECT IDENTIFICATION:	College Hill and Minges S	torm Water Relinir	ng				
PRC	DJECT CITY or LOCATION:	Greenville						
PRC	DJECT DESCRIPTION & JUSTIFIC	CATION: Approximately 400 linea	ar feet of storm wat	ter on College	Hill and 640	linear		
	of pipe in the Minges parking lot ha						es. The	
proje	ect scope is to re-line the pipe and	thus avoid closing down large ar	eas of heavily use	d campus road	dway and pa	rking lot for r	epairs.	
(Defi	nitions/explanations are provided on p	g 2 to assist in completion of this for	m.)					
CUF	RRENT ESTIMATED CONSTRUC	FION COST	QTY	UNIT	COST	PER UNIT		TOTAL
A.	Land Requirement						\$	-
B.	Site Preparation		<u> </u>					
	<ol> <li>Demolition</li> </ol>						\$	-
	2. Site Work - repair two pipe	junction boxes	2	ea	\$	4,000	\$	8,000
C.	Construction			•				
	1. Utility Services - Re-line 64	10 LF 42" and 48" RCP	640	LF	\$	300	\$	192,000
	2. Utility Services - Re-line 40	00 LF 36" RCP	400	LF	\$	250	\$	100,000
	3. Building Construction (exis	ting)					\$	-
	4. Plumbing (new space)	0,					\$	-
	5. HVAC (new space)						\$	-
	6. Electrical (Includes TV & R	adio Studio)					\$	-
	7. Fire Supression and Alarm	•					\$	-
	8. Telephone, Data, Video	,					\$	-
		osts - Clean and camera pipe	640	LF	\$	41	\$	26,240
	10. Other:						\$	-
D.	Equipment	_		L				
	1. Fixed						\$	-
	2. Moveable						\$	-
FST	IMATED CONSTRUCTION COS	STS		I			\$	326,240
	s below may be calculated by percentag		ake entry in \$ field				,	
itoin.	below may be calculated by percentag	c or rump sum. It using rump sum, in	and entry in a neig.					
DES	SIGN FEE	10 % (% of F	Estimated Construction	on Costs)		ļ	\$	32,624
	CONSTRUCTION COSTS		Estimated Construction		r CM@Risk1	)	\$	
	MMISSIONING		simple; 1.0% modera	_	-	<b>'</b>	\$	
	CIAL INSPECTIONS/MATERIALS	•	b estimated)	a.c,	,		\$	
	STAINABILITY		EED Gold, 2% LEED	Silver)			\$	
				·			·	
۸۵۷	'ANCE PLANNING		es programming, feas Estimated Constructi				\$	
CON	NTINGENCIES	5 % (% of E	Estimated Constructi	on Costs [3% N	ew <b>or</b> 5% R8	ιR])	\$	16,312
							_	075 474
	•	ed Construction Costs + Contingenc	ies + Design Fee)				\$	375,176
	alation = percent per month multipli	,	- 11		0.04			
•	m Est. Date to mid-point of construc	·	8 months	<u> </u>	0 % per mo	onth		
Gene	ral Bldgs: 0-17 mos = 0%; 18-23 mos = .04%;	24-35 mos = .12%; 36-47 mos = .16%; 48	-60 mos = .18%					
Health	n Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 1	2-17 mos = .26%: 18-23 mos = .29%: 24-3	35 mos = .33%: 36-47 m	os = .36%: 48-60 r	nos = .38%			
	CALATION COST INCREASE (Tot			,		ļ	\$	-
		a. c. Estimatod 505t5 / Estallation						
TOT	AL ESTIMATED PROJECT CO	STS (Estimated Costs + Escalation	Cost Increase)				\$	375,176
						ļ		
APP	PROVED BY:		TITLE				DATE	

(Governing Board or Agency Head)

Institution:	East Carolina University	Advance Planning Request:
Increase in Authorization	on from: <u>\$0</u> to <u>\$1,140,000</u>	New Capital Project*: X
Project Title: Replace	Chilled Water Service and Repair HVAC System in McG	innis, Messick and Speight
Project Cost: \$1,140,0	00	
Source of Funds: 2014	-2015 Carry Forward Funds	
1 3 1	viously had advance planning authority, please identify coode Item	de/item number under which that
For each advance pla	nning project or capital construction project, please p	covide the following:
1. A detailed project	description and justification:	

McGinnis, Messick and Speight are adjacent buildings whose chill water is supplied by aging and problematic chillers that often need expensive repairs and make building temperature and humidity difficult to control. McGinnis air handlers have aging coils and valves that need to be replaced for dependability and efficiency. Speight steam and condensate lines leak.

This project proposes to remove the old chillers and connect the three buildings to the campus loop that has sufficient extra capacity to add chill water loads from all three buildings and provide redundancy that doesn't exist with the current arrangement. Additionally the project will replace aging coils and valves and replace the Speight steam and condensate lines. The result will be greater dependability of systems, better ability to maintain the building environment that is required by user groups and increased energy efficiency.

- 2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs: \$1,140,000 A completed OC-25 form is attached.
- 3. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):

FY 2015-16	Q4	\$ 35,000
FY 2016-17	Q1	\$ 130,000
FY 2016-17	Q2	\$ 320,000
FY 2016-17	Q3	\$ 320,000
FY 2016-17	Q4	\$ 300,000
FY 2016-17	Q1	\$ 35,000
	Total	\$ 1,140,000

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

Construction to begin approximately October, 2016 and end May, 2017.

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

The project will repair or replace existing systems that are already funded for maintenance and operating costs, and therefore there is no change.

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

None.

7. An explanation of the means of financing:

2014-2015 Carry Forward Funds.

Form OC-25 (Rev 09/14)

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

	RTMENT and DIVISION: ECT IDENTIFICATION:	East Carolina Univ		nd Renair HVA	C System in I	McGinnis	DATE:		2/02/16
PROJECT CITY or LOCATION:  Greenville  Greenville				ia repair rivit	o oystem iii i	IVICOII II II 3,	WC33ICK drik	a opeignt	
efficie existir (Defini	ECT DESCRIPTION & JUSTIFICATI ncy, greater redundant capacity and l ng chillers. Speight steam and conder tions/explanations are provided on pg 2 t	ess cost can be achie nsate lines are also pro o assist in completion of	ved by connectoblematic and	ting all three b need to be rep	uildings to the laced.	e campus	chill water lo	op instea	d of replacing
	RENT ESTIMATED CONSTRUCTION	I COST		QTY	UNIT	COST	PER UNIT		TOTAL
A.	Land Requirement							\$	
B.	Site Preparation  1. Demolition -abandoned electric	cal lines and yoult		1	Lic	\$	20,000	\$	20,000
	<ol> <li>Site Work - grading, re-paving,</li> </ol>			1	LS LS	\$	135,000		135,000
	<ol> <li>Site Work - grading, re-paving,</li> <li>Site Work - paver re-installation</li> </ol>			2500	Sq. Ft.	\$	8		20,000
C.	Construction			2300	3y. Ft.	Ψ		Ψ	20,000
0.	Utility Services - chill water line	installation		910	Linear Ft.	\$	291	\$	264,810
	Utility Services - Steam and Co		Speiaht	205	Linear Ft.	\$	925		189,625
	Building Construction (existing)		peigni	203	Lincai i t.	<u> </u>	,,,,	\$	-
	4. Plumbing (new space)	,						\$	-
	5. HVAC (Repairs)			1	LS	\$	177,000	\$	177,000
	Electrical (Re-route of elect. Lo	oop for chill water acce	ess to Speight)	1	LS	\$	110,000	\$	110,000
	7. Fire Supression and Alarm Sys	•	, ,					\$	-
	Associated Construction Costs			1	LS	\$	75,000	\$	75,000
D.	Equipment				•	•			
	1. Fixed							\$	-
<b>ESTIN</b>	MATED CONSTRUCTION COSTS			•	•	•		\$	991,435
Items b	elow may be calculated by percentage or l	ump sum. If using lump s	sum, make entry	in \$ field.					
DESIG	GN FEE	10 %	(% of Estimate	d Construction (	Costs)			\$	99,144
PREC	ONSTRUCTION COSTS	%	(% of Estimate	d Construction (	Costs [1% for C	CM@Risk])	1	\$	-
COM	MISSIONING	%	(0.5% simple;	1.0% moderate;	1.5% complex	)		\$	-
SPEC	IAL INSPECTIONS/MATERIALS	%	(1.25% estima	ted)				\$	-
SUST	AINABILITY	%	(3% LEED Gol	Gold, 2% LEED Silver)					-
ADVA	NCE PLANNING	%	Includes progra (% of Estimate	amming, feasibil d Construction (	ity, analysis Costs)			\$	-
CONT	INGENCIES	5 %	(% of Estimate	d Construction (	Costs [3% New	or 5% R&	R])	\$	49,572
	MATED COSTS (% of Estimated C ation = percent per month multiplied b	onstruction Costs + Con y number of months	tingencies + De	sign Fee)				\$	1,140,150
(From	Est. Date to mid-point of construction)	=	12	months	0	% per mo	onth		
General	Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35	5 mos = .12%; 36-47 mos = .1	16%; 48-60 mos =	.18%		•			
Health F	sldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17	mos = .26%: 18-23 mos = .29	9%: 24-35 mos = .3	3%: 36-47 mos = .3	36%: 48-60 mos =	= .38%			
	LATION COST INCREASE (Total of				,			\$	-
TOTA	L ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Incre	ease)				\$	1,140,000
APPR	OVED BY: <u>John G Fields, PE</u> (Governing Board or Ager	ncy Head)	TITLE: <u>Capit</u>	al Projects Coo	<u>ordinator</u>			DATE: <u>(</u>	<u>02-02-16</u>

	titution:	East Caro	lina University		Ac	Ivance Planning Request:
			0 to \$_520 Condensate Lines	0,000_ at Mendenhall, No	orth Side	New Capital Project*: X
Pro	oject Cost: \$520	0,000				
Soi	urce of Funds: 2	2014- 2015 Carr	y Forward Funds			
		previously had l. Code		authority, please i	dentify code/it	em number under which that
Fo	r each advance	planning proj	ect or capital cons	struction project,	, please provid	le the following:
1.	A detailed pro	ject description	and justification:			
	need to be rep will result in g	laced. Previousl reater reliability	y abandoned lines of the system, fev	in the same area n wer maintenance la	need to be deme abor hours, inc	old, deteriorating, leaking and olished. Replacement of the lines reased comfort for building users, ance required during emergency
2.	An estimate of	f acquisition, pla	nning, design, site	e development, con	nstruction, con	tingency and other related costs
	\$520,000 A co	ompleted OC-25	form is attached			
3.	An estimated construction of		flow requirement	s over the life of the	he project by F	Y quarters (Answer for capital
3.			flow requirement	s over the life of the	he project by F	Y quarters (Answer for capital
3.		nly):	•			
3.	construction o	nly):	•	Q3	Q4	

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

No added M&O funds requested.

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 added revenues is anticipated.

7. An explanation of the means of financing:

2014-2015 Carry Forward Funds.

Form OC-25 (Rev 09/14)

DAIE: 01-11-16

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

PROJECT IDENTIFICATION: Replace Steam and Condensate Lines at Mendenhall, North Side.  PROJECT DESCRIPTION & JUSTIFICATION: Steam and condensate lines on the north side of Mendenhall Student Center are old, problematic and problematic and need to be replaced. Previously abandoned lines in the same area need to be demolished. Replacement of the lines will result in greater reliability of the system, flewer maintenance hours, increased confort for building users, increased energy efficiency and a decrease in expensive outside contractor assistance required during emergency outsiges.  (Pelinition-seybnations are provided on gr 2 to assist in completion of this form.)  CURRENT ESTIMATED CONSTRUCTION COST  1. Demolition steam and condensate lines 2. Site Work - paver re-installation 1. Demolition steam and condensate lines 2. Site Work - paver re-installation 2. Site Work - paver re-installation 2. Site Work - paver re-installation 3. Building Construction (existing) 4. Unity Services - Steam and Condensate line installation (pre-engineered, insulated jacketed steam pipe) 3. Building Construction (existing) 5. HVAC (new space) 6. Electrical (includes TV & Radio Studio) 8. Telephone, Data, Video 9. Associated Construction Costs (site survey, construction material telsing, bidding expenses)  D. Equipment 1. Fixed 5. 1 Linear Ft \$ 950 \$ 228,950 8. Site properties of the paver of th	DEPARTMENT and DIVISION:	East Carolina University, FEAS			DATE:	: 01/11/	16
PROJECT DESCRIPTION & JUSTIFICATION: Steam and condensate lines on the north side of Mendenhall Student Center are old, problematic and problematic and need to be replaced. Previously abandoned lines in the same area need to be demolished. Replacement of the lines will result in greater reliability of the system, fewer maintenance hours, increased comfort for building users, increased energy efficiency and a decrease in expensive outside contractor assistance required during emergency outages.    Definitions/explanations are provided on pg 2 to assist in completion of this form.)							
problematic and need to be replaced. Previously abandoned lines in the same area need to be demolished. Replacement of the lines will result in greater reliability of the system, fewer maintenance hours, increased comfort for building users, increased energy efficiency and a decrease in expensive outside contractor assistance required during emergency outages.  (Definitines/explanations are provided on pg 2 to assist in completion of this form.)  CURRENT ESTIMATED CONSTRUCTION COST  A. Land Requirement B. Site Preparation 1. Demolition steam and condensate lines 2. Site Work - grading 2. Site Work - paver re-installation 2. Site Work - paver re-installation 3. Building Construction 1. Utility Services - Steam and Condensate line installation (pre-engineered, insulated packeted steam pipe) 3. Building Construction (existing) 5. HVAC (new space) 6. Electrical (includes TV & Radio Studio) 8. Telephone, Data, Video 9. Associated Construction Costs (site survey, construction material testing, building expenses)  D. Equipment 1. Fixed 2. Moveable 5. Telephone Construction Costs (site survey, construction material testing, building expenses)  DESIGN FEE  10 % (% of Estimated Construction Costs) 5. 452,156  COMMISSIONING 7. (% of Estimated Construction Costs) 7. (% of Estimated Construction Costs) 7. (% of Estimated Construction Costs) 8. 452,156  COMMISSIONING 9. (% of Estimated Construction Costs) 8. 452,157  ADVANCE PLANNING 9. (% of Estimated Construction Costs) 9. \$ 5. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.	PROJECT CITY or LOCATION: Greenville						
In expensive outside contractor assistance required during emergency outages.   Oelfinitions/explanations are provided on pg 2 to assist in completion of this form.   OTY	problematic and need to be replaced. P	reviously abandoned lines in the same	area need to b	e demolished	d. Replacement of the	lines will r	esult
Celtribitors/explanations are provided on pg 2 to assist in completion of this form.)				sers, increasi	ed energy eniciency a	nu a uecre	ease
CURRENT ESTIMATED CONSTRUCTION COST			<del>23.</del>				
A Land Requirement B. Sile Preparation 1. Demolition steam and condensate lines 2. Sile Work - paver re-installation 2. Sile Work - paver re-installation 2. Sile Work - paver re-installation 3. Sile Work - paver re-installation 3. Sile Work - paver re-installation 4. Construction 4. Utility Services - Steam and Condensate line installation (preengineered, insulated jacketed steam pipe) 3. Building Construction (existing) 5. HVAC (new space) 6. Electrical (includes TV & Radio Studio) 8. Telephone, Data, Video 9. Associated Construction Costs (site survey, construction material testing, bidding expenses)  D. Equipment 1. Fixed 2. Moveable  ESTIMATED CONSTRUCTION COSTS  Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.  DESIGN FEE 10 % (% of Estimated Construction Costs)  S. 452.155  Repeccolat Inspection Costs 9 % (% of Estimated Construction Costs)  S. 452.155  SUSTAINABILITY 9 (3% LEED Gold, 2% LEED Silver) 1 includes programming, feasibility, analysis ADVANCE PLANNING 9 % of Estimated Construction Costs)  S. 452.608  ESTIMATED COSTS 9 % (% of Estimated Construction Costs) \$ 9 (2.508 simple; 1.0% moderate; 1.5% complex)  S. 22.608  ESTIMATED COSTS 9 % (% of Estimated Construction Costs) \$ 9 (2.508 simple; 1.0% moderate; 1.5% complex)  S. 25.608  ESTIMATED COSTS 9 % (% of Estimated Construction Costs) 9 % per month 9 % per mon			QTY	UNIT	COST PER UNIT	T	OTAL
B. Site Preparation   1. Demolition steam and condensate lines   720   Linear Ft.   \$ 200   \$ 144,000   2. Site Work - grading   1000   Cu. Yd.   \$ 30   \$ 30,000   2. Site Work - paver re-installation   2400   Sq. Ft.   \$ 8   \$ 19,200   5   114,000   2400   Sq. Ft.   \$ 8   \$ 19,200   5   114,000   2400   Sq. Ft.   \$ 8   \$ 19,200   5   114,000   5						\$	-
2. Site Work - grading 2. Site Work - paver re-installation C. Construction 1. Utility Services - Steam and Condensate line installation (pre-engineered, insulated jacketed steam pipe) 3. Building Construction (existing) 5. HVAC (new space) 6. Electrical (includes TV & Radio Studio) 8. Telephone, Data, Video 9. Associated Construction Costs (site survey, construction material testing, bidding expenses) D. Equipment 1. Fixed 2. Moveable ESTIMATED CONSTRUCTION COSTS Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.  DESIGN FEE 10 % (% of Estimated Construction Costs) \$ 452,150  COMMISSIONING \$ (0.5% simple: 1.0% moderate: 1.5% complex) \$ 2.00  Special in Special Construction Costs \$ 452,215  COMMISSIONING \$ (0.5% simple: 1.0% moderate: 1.5% complex) \$ 3.00  Special in Special Construction Costs \$ 452,215  CONTINGENCIES  SUSTAINABILITY 6 (30 f Estimated Construction Costs)  Special in Special Construction Costs (% of Estimated Construction Costs)  Special in Special Construction Costs  Special in Special Construction Costs Special in Special Construction Costs Special in Special Construction Costs Special in Special Construction Costs Special in Special Construction Costs Special in Special Construction Costs Special in Special Construction Costs Special in Special Construction Costs Special in Special Construction Costs Special in Special Construction Costs Special In Special Construction Costs Special In Special Construction Costs Special In Special Construction Costs Special In Special Construction Costs Special	·						
2. Site Work - paver re-installation C. Construction 1. Utility Services - Steam and Condensate line installation (pre-engineered, insulated jacketed steam pipe) 3. Building Construction (existing) 5. HVAC (new space) 6. Electrical (includes TV & Radio Studio) 8. Telephone, Data, Video 9. Associated Construction Costs (site survey, construction material testing, bidding expenses) D. Equipment 1. Fixed 2. Moveable  ESTIMATED CONSTRUCTION COSTS Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.  DESIGN FEE  10 % (% of Estimated Construction Costs)  % (% of Estimated Construction Costs)  PRECONSTRUCTION COSTS  % (% of Estimated Construction Costs)  \$ 452,150  COMMISSIONING  % (0,5% simple: 10% moderate: 1.5% complex)  \$ 241 Linear Ft. \$ 950 \$ 228,950  \$ 228,9	<ol> <li>Demolition steam and cond</li> </ol>	lensate lines	720	Linear Ft.	\$ 200	\$	144,000
C. Construction  1. Utility Services - Steam and Condensate line installation (preengineered, insulated jacketed steam pipe) 3. Building Construction (existing) 5. HVAC (new space) 6. Electrical (includes TV & Radio Studio) 8. Telephone, Data, Video 9. Associated Construction Costs (site survey, construction material testing, bidding expenses)  D. Equipment 1. Fixed 2. Moveable  ESTIMATED CONSTRUCTION COSTS  Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.  DESIGN FEE  10 % (% of Estimated Construction Costs)  PRECONSTRUCTION COSTS  % (% of Estimated Construction Costs)  SPECIAL INSPECTIONS/MATERIALS  SUSTAINABILITY  % (3% LEED Gold, 2% LEED Silver)  ADVANCE PLANNING  % (% of Estimated Construction Costs [3% New or 5% R&R])  SESTIMATED COSTS  % (% of Estimated Construction Costs [3% New or 5% R&R])  SESTIMATED COSTS  SPECIAL INSPECTIONS/MATERIALS  SUSTAINABILITY  ADVANCE PLANNING  % (% of Estimated Construction Costs [3% New or 5% R&R])  SESTIMATED COSTS  SPECIAL INSPECTIONS/MATERIALS  SUSTAINABILITY  ADVANCE PLANNING  % (% of Estimated Construction Costs [3% New or 5% R&R])  SESTIMATED COSTS  SPECIAL INSPECTIONS (% of Estimated Construction Costs)  SESTIMATED COSTS  SPECIAL INSPECTIONS (% of Estimated Construction Costs [3% New or 5% R&R])  SESTIMATED COSTS  SPECIAL INSPECTIONS (% of Estimated Construction Costs [3% New or 5% R&R])  SESTIMATED COSTS  SPECIAL INSPECTIONS (% of Estimated Construction Costs [3% New or 5% R&R])  SESTIMATED COSTS  SPECIAL INSPECTIONS (% of Estimated Construction Costs [3% New or 5% R&R])  SESTIMATED COSTS  SPECIAL INSPECTIONS (% of Estimated Construction Costs [3% New or 5% R&R])  SESTIMATED COSTS  SPECIAL INSPECTIONS (% of Estimated Construction Costs [3% New or 5% R&R])  SPECIAL INSPECTION COSTS  SPEC	9 9		1000	Cu. Yd.			30,000
1. Utility Services - Steam and Condensate line installation (preengineered, insulated jacketed steam pipe) 3. Building Construction (existing) 5. HVAC (new space) 6. Electrical (Inctudes TV & Radio Studio) 8. Telephone, Data, Video 9. Associated Construction Costs (site survey, construction material testing, bidding expenses)  D. Equipment 1. Fixed 2. Moveable  ESTIMATED CONSTRUCTION COSTS Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.  DESIGN FEE  10% (% of Estimated Construction Costs)  \$ 452,150  Temps below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.  DESIGN FEE  20MINSSIONING  3 (% of Estimated Construction Costs)  \$ 452,150  Temps below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.  DESIGN FEE  10% (% of Estimated Construction Costs)  \$ 452,150  Temps below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.  DESIGN FEE  5 (% of Estimated Construction Costs)  5 (% (% of Estimated Construction Costs [3% New or 5% R&R])  5 (2,608  ESTIMATED COSTS (% of Estimated Construction Costs (3% New or 5% R&R])  5 (2,608  ESTIMATED COSTS (% of Estimated Construction Costs (3% New or 5% R&R])  5 (2,608  ESTIMATED COSTS (% of Estimated Construction Costs (3% New or 5% R&R])  5 (2,608  ESTIMATED COSTS (% of Estimated Construction Costs (3% New or 5% R&R])  5 (2,608  ESTIMATED COSTS (% of Estimated Construction Costs (3% New or 5% R&R])  5 (2,608  ESTIMATED COSTS (% of Estimated Construction Costs (3% New or 5% R&R])  5 (2,608  ESTIMATED COSTS (% of Estimated Construction Costs (3% New or 5% R&R])  5 (3,608  5 (3,608  5 (3,608  5 (3,608  5 (3,608  5 (3,608  5 (3,608  5 (3,608  5 (3,608  5 (3,608  5 (3,608  5 (3,608	•	tion	2400	Sq. Ft.	\$ 8	\$	19,200
engineered, insulated jacketed steam pipe) 3. Building Construction (existing) 5. HVAC (new space) 6. Electrical (Includes TV & Radio Studio) 8. Telephone, Data, Video 9. Associated Construction Costs (site survey, construction material testing, bidding expenses) D. Equipment 1. Fixed 2. Moveable  ESTIMATED CONSTRUCTION COSTS Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.  DESIGN FEE  10 % (% of Estimated Construction Costs)  PRECONSTRUCTION COSTS (% of Estimated Construction Costs)  PRECONSTRUCTION COSTS (% of Estimated Construction Costs)  S. 452,150  COMMISSIONING (% of Estimated Construction Costs)  SPECIAL INSPECTIONS/MATERIALS (1.25% estimated)  SUSTAINABILITY (3% LEED Gold, 2% LEED Silver)  ADVANCE PLANNING (% of Estimated Construction Costs)  SUSTAINABILITY (% of Estimated Constr			-				
3. Bullding Construction (existing) 5. HVAC (new space) 6. Electrical (Includes TV & Radio Studio) 8. Telephone, Data, Video 9. Associated Construction Costs (site survey, construction material testing, bidding expenses)  D. Equipment 1. Fixed 2. Moveable  ESTIMATED CONSTRUCTION COSTS Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.  DESIGN FEE  10 % (% of Estimated Construction Costs)  \$ 452,150  The Experiment Summary of Estimated Construction Costs (1% for CM@Risk) \$	•	7					
5. HVAC (new space) 6. Electrical (Includes TV & Radio Studio) 8. Telephone, Data, Video 9. Associated Construction Costs (site survey, construction material testing, bidding expenses)  D. Equipment 1. Fixed 2. Moveable  ESTIMATED CONSTRUCTION COSTS  Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.  DESIGN FEE  TO % (% of Estimated Construction Costs)  PRECONSTRUCTION COSTS  (% of Estimated Construction Costs)  PRECONSTRUCTION COSTS  (% of Estimated Construction Costs)  S. 452,150  DESIGN FEE  TO % (% of Estimated Construction Costs)  PRECONSTRUCTION COSTS  (% of Estimated Construction Costs)  S. 452,150  DESIGN FEE  TO % (% of Estimated Construction Costs)  PRECONSTRUCTION COSTS  (% of Estimated Construction Costs)  S. 452,150  DESIGN FEE  TO % (% of Estimated Construction Costs)  S. 452,150  DESIGN FEE  TO % (% of Estimated Construction Costs)  S. 452,150  DESIGN FEE  TO % (% of Estimated Construction Costs)  S. 452,150  DESIGN FEE  TO % (% of Estimated Construction Costs)  S. 452,150  DESIGN FEE  TO % (% of Estimated Construction Costs)  S. 452,150  DESIGN FEE  TO % (% of Estimated Construction Costs)  S. 452,150  DESIGN FEE  TO % (% of Estimated Construction Costs)  S. 452,150  DESIGN FEE  TO % (% of Estimated Construction Costs)  S. 452,150  DESIGN FEE  TO % (% of Estimated Construction Costs)  S. 452,150  S. 452,2150  DESIGN FEE  TO % (% of Estimated Construction Costs)  S. 452,2150  DESIGN FEE  TO % (% of Estimated Construction Costs)  S. 452,2150  DESIGN FEE  TO % (% of Estimated Construction Costs)  S. 452,2150  DESIGN FEE  TO % (% of Estimated Construction Costs)  S. 452,2150  DESIGN FEE  TO % (% of Estimated Construction Costs)  S. 452,2150  DESIGN FEE  TO % (% of Estimated Construction Costs)  S. 452,2150  DESIGN FEE  TO % (% of Estimated Construction Costs)  S. 452,2150  DESIGN FEE  TO % (% of Estimated Construction Costs)  S. 452,2150  DESIGN FEE  TO % (% of Estimated Construction Costs)  S. 452,2150  DESIGN FEE  TO % (% of Estimated Construction C			\$ 241	Linear Ft.	\$ 950		228,950
6. Electrical (Includes TV & Radio Studio) 8. Telephone, Data, Video 9. Associated Construction Costs (site survey, construction material testing, bidding expenses) D. Equipment 1. Fixed 2. Moveable ESTIMATED CONSTRUCTION COSTS Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.  DESIGN FEE 10 % (% of Estimated Construction Costs)  \$ 452,150  The Construction Costs  (% of Estimated Construction Costs)  \$ 2 452,215  The Construction Costs  (% of Estimated Construction Costs)  \$ 3 452,215  The Construction Costs  (% of Estimated Construction Costs)  \$ 452,215  The Construction Costs  (% of Estimated Construction Costs)  \$ 452,215  The Construction Costs  (% of Estimated Construction Costs)  \$ 452,215  The Construction Costs  (% of Estimated Construction Costs)  \$ 452,215  The Construction Costs  (% of Estimated Construction Costs)  \$ 452,215  The Construction Costs  \$	· ·	ing)					-
8. Telephone, Data, Video 9. Associated Construction Costs (site survey, construction material testing, bidding expenses)  D. Equipment 1. Fixed 2. Moveable  ESTIMATED CONSTRUCTION COSTS  Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.  DESIGN FEE  TO % (% of Estimated Construction Costs)  PRECONSTRUCTION COSTS  (% of Estimated Construction Costs)  PRECONSTRUCTION COSTS  % (% of Estimated Construction Costs)  PRECONSTRUCTION SIDENTIAL  DESIGN FEE  TO % (% of Estimated Construction Costs)  PRECONSTRUCTION COSTS  % (% of Estimated Construction Costs)  PRECONSTRUCTION SIDENTIAL  % (0.5% simple: 1.0% moderate: 1.5% complex)  \$  SPECIAL INSPECTIONS/MATERIALS  % (1.25% estimated)  \$  SUSTAINABILITY  % (3% LEED Gold, 2% LEED Silver)  Includes programming, feasibility, analysis  ADVANCE PLANNING  % (% of Estimated Construction Costs)  \$  CONTINGENCIES  \$ 5 % (% of Estimated Construction Costs [3% New or 5% R&R])  \$  CONTINGENCIES  \$ 5 % (% of Estimated Construction Costs [3% New or 5% R&R])  \$  ESCALATION COST INCREASE (Total of Estimated Costs × Escalation %)  \$  SECALATION COST INCREASE (Total of Estimated Costs × Escalation %)		" CL " )					-
9. Associated Construction Costs (site survey, construction material testing, bidding expenses)  D. Equipment  1. Fixed  2. Moveable  ESTIMATED CONSTRUCTION COSTS  Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.  DESIGN FEE  PRECONSTRUCTION COSTS  (% of Estimated Construction Costs)  PRECONSTRUCTION COSTS  (% of Estimated Construction Costs [1% for CM@Risk])  SPECIAL INSPECTIONS/MATERIALS  (1.25% estimated)  SUSTAINABILITY  (3% LEED Gold, 2% LEED Silver)  Includes programming, feasibility, analysis  ADVANCE PLANNING  (% of Estimated Construction Costs [3% New or 5% R&R])  SUSTAINABILITY  ADVANCE PLANNING  (% of Estimated Construction Costs)  \$  CONTINGENCIES  5 % (% of Estimated Construction Costs [3% New or 5% R&R])  \$  22,608  ESTIMATED COSTS  (% of Estimated Construction Costs [3% New or 5% R&R])  \$  5 19,973  ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %)  \$		adio Studio)				,	-
Lsling, bidding expenses    \$ 1						\$	-
1. Fixed 2. Moveable ESTIMATED CONSTRUCTION COSTS Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.  DESIGN FEE PRECONSTRUCTION COSTS (% of Estimated Construction Costs [1% for CM@Risk]) SPECIAL INSPECTIONS/MATERIALS (1.25% estimated) SUSTAINABILITY (3% LEED Gold, 2% LEED Silver) Includes programming, feasibility, analysis ADVANCE PLANNING (% of Estimated Construction Costs [3% New or 5% R&R]) SESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee) SESTIMATED COSTS (% of Estimated Construction Costs (3% New or 5% R&R]) SESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee) SESCALATION COST INCREASE (Total of Estimated Costs x Escalation %)  \$	testing, bidding expenses)	osts (site survey, construction material		LS	\$ 30,000	\$	30,000
2. Moveable \$	• •					T &	
ESTIMATED CONSTRUCTION COSTS   \$ 452,150							-
Items below may be calculated by percentage or lump sum. If using lump sum, make entry in \$ field.  DESIGN FEE 10 % (% of Estimated Construction Costs) \$ 45,215 PRECONSTRUCTION COSTS % (% of Estimated Construction Costs [1% for CM@Risk] ) \$		TC				,	4E2 1E0
DESIGN FEE 10 % (% of Estimated Construction Costs) \$ 45,215  PRECONSTRUCTION COSTS % (% of Estimated Construction Costs [1% for CM@Risk] ) \$  COMMISSIONING % (0.5% simple; 1.0% moderate; 1.5% complex) \$  SPECIAL INSPECTIONS/MATERIALS % (1.25% estimated) \$  SUSTAINABILITY % (3% LEED Gold, 2% LEED Silver) Includes programming, feasibility, analysis  ADVANCE PLANNING % (% of Estimated Construction Costs) \$  CONTINGENCIES 5 % (% of Estimated Construction Costs + Contingencies + Design Fee) \$ 519,973  ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %) \$  SCALATION COST INCREASE (Total of Estimated Costs x Escalation %) \$						Ф	432,130
PRECONSTRUCTION COSTS  % (% of Estimated Construction Costs [1% for CM@Risk])  \$ COMMISSIONING  % (0.5% simple; 1.0% moderate; 1.5% complex)  \$ PECIAL INSPECTIONS/MATERIALS  % (1.25% estimated)  \$ USTAINABILITY  % (3% LEED Gold, 2% LEED Silver)  Includes programming, feasibility, analysis  ADVANCE PLANNING  % (% of Estimated Construction Costs)  \$ CONTINGENCIES  \$ % (% of Estimated Construction Costs [3% New or 5% R&R])  \$ SESTIMATED COSTS  \$ (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COSTS  \$ ON This end of Estimated Construction Costs (3% New or 5% R&R])  \$ STIMATED COSTS  \$ ON This end of Estimated Construction Costs (3% New or 5% R&R])  \$ STIMATED COSTS  \$ STIMATED COSTS  \$ STIMATED COSTS  \$ STIMATED COSTS  \$ ON This end of Estimated Construction Costs (3% New or 5% R&R])  \$ STIMATED COSTS	Items below may be calculated by percentage	or lump sum. If using lump sum, make enti	ry in \$ field.				
PRECONSTRUCTION COSTS  % (% of Estimated Construction Costs [1% for CM@Risk])  \$ COMMISSIONING  % (0.5% simple; 1.0% moderate; 1.5% complex)  \$ PECIAL INSPECTIONS/MATERIALS  % (1.25% estimated)  \$ USTAINABILITY  % (3% LEED Gold, 2% LEED Silver)  Includes programming, feasibility, analysis  ADVANCE PLANNING  % (% of Estimated Construction Costs)  \$ CONTINGENCIES  \$ % (% of Estimated Construction Costs [3% New or 5% R&R])  \$ SESTIMATED COSTS  \$ (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COSTS  \$ ON This end of Estimated Construction Costs (3% New or 5% R&R])  \$ STIMATED COSTS  \$ ON This end of Estimated Construction Costs (3% New or 5% R&R])  \$ STIMATED COSTS  \$ STIMATED COSTS  \$ STIMATED COSTS  \$ STIMATED COSTS  \$ ON This end of Estimated Construction Costs (3% New or 5% R&R])  \$ STIMATED COSTS	DESIGN FEE	10 % (% of Estimate	ed Construction C	'nete)		\$	45 215
COMMISSIONING SPECIAL INSPECTIONS/MATERIALS % (1.25% estimated) \$ SUSTAINABILITY % (3% LEED Gold, 2% LEED Silver) Includes programming, feasibility, analysis  ADVANCE PLANNING % (6 of Estimated Construction Costs) \$ CONTINGENCIES 5 % (% of Estimated Construction Costs [3% New or 5% R&R])  ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee)  ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %)  \$ SOME STIMATED COST (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COST (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COST (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COST (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COST (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COST (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COST (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COST (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COST (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COST (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COST (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COST (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COST (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COST (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COST (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COST (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COST (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COST (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COST (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ STIMATED COST (% of Estimated Constructio				•	`M@Risk] )		-
SPECIAL INSPECTIONS/MATERIALS  % (1.25% estimated)  % (3% LEED Gold, 2% LEED Silver) Includes programming, feasibility, analysis  ADVANCE PLANNING  % (% of Estimated Construction Costs)  \$ 22,608  ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee)  Escalation = percent per month multiplied by number of months  (From Est. Date to mid-point of construction) = 11 months 0 % per month  General Bidgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 mos = .16%; 48-60 mos = .18%  Health Bidgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos = .33%; 36-47 mos = .36%; 48-60 mos = .38%  ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %)  \$		•					-
SUSTAINABILITY  % (3% LEED Gold, 2% LEED Silver) Includes programming, feasibility, analysis  ADVANCE PLANNING  % (% of Estimated Construction Costs)  \$					,	\$	-
ADVANCE PLANNING  % (% of Estimated Construction Costs)  \$	SUSTAINABILITY		•	er)		\$	-
CONTINGENCIES  5 % (% of Estimated Construction Costs [3% New or 5% R&R])  ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee)  \$ 519,973  Escalation = percent per month multiplied by number of months  (From Est. Date to mid-point of construction) = 11 months 0 % per month  General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 mos = .16%; 48-60 mos = .18%  Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos = .33%; 36-47 mos = .36%; 48-60 mos = .38%  ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %)  \$ 22,608							
ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee)  Escalation = percent per month multiplied by number of months  (From Est. Date to mid-point of construction) = 11 months 0 % per month  General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 mos = .16%; 48-60 mos = .18%  Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos = .33%; 36-47 mos = .36%; 48-60 mos = .38%  ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %)  \$ 519,973	ADVANCE PLANNING	% (% of Estimate	ed Construction C	osts)		\$	-
Escalation = percent per month multiplied by number of months  (From Est. Date to mid-point of construction) = 11 months 0 % per month  General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 mos = .16%; 48-60 mos = .18%  Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos = .33%; 36-47 mos = .36%; 48-60 mos = .38%  ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %)  \$\frac{1}{3}\$ months 0 % per month	CONTINGENCIES	<u>5</u> % (% of Estimate	ed Construction C	osts [3% New	or 5% R&R] )	\$	22,608
(From Est. Date to mid-point of construction) = 11 months 0 % per month  General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 mos = .16%; 48-60 mos = .18%  Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos = .33%; 36-47 mos = .36%; 48-60 mos = .38%  ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %)  \$\frac{1}{2}\$ months 0 % per month	•	g .	esign Fee)			\$	519,973
General Bidgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 mos = .16%; 48-60 mos = .18%  Health Bidgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos = .33%; 36-47 mos = .36%; 48-60 mos = .38%  ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %)		•	ı monthe	0	% nor month		
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos = .33%; 36-47 mos = .36%; 48-60 mos = .38%  ESCALATION COST INCREASE (Total of Estimated Costs x Escalation %)  \$ -	•	·	_		70 per monur		
	•			.36%; 48-60 mos	s = .38%		
TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) \$ 519,973	ESCALATION COST INCREASE (Total	of Estimated Costs x <b>Escalation %</b> )				\$	-
	TOTAL ESTIMATED PROJECT COS	GTS (Estimated Costs + Escalation Cost Inc	crease)			\$	519,973

TITLE: Capital Projects Coordinator

APPROVED BY: <u>John G Fields, PE</u>

Ins	stitution:	NC State Univ	versity		Advance Planning Request:				
	crease in Authoriza	· · · · · · · · · · · · · · · · · · ·			New Capital Project*: X				
Pro	oject Cost: <u>\$450,</u> 0	000							
So	urce of Funds: Ca	ampus Enterprises	Receipts						
	this project has proherity is carried.			hority, please	identify code/item number under which that				
Fo	r each advance p	lanning project o	or capital constru	ıction project	t, please provide the following:				
1.	A detailed project	ct description and	justification:						
	merchandise reta		University Books	tore. The proje	oximately 2400 ft <sup>2</sup> of constructed space into a ect creates locker space, customer service space.				
2.	An estimate of a (a completed OC		ng, design, site de	evelopment, co	onstruction, contingency and other related costs				
	See attached OC	2-25.							
3.	An estimated sch construction only		w requirements o	ver the life of t	the project by FY quarters (Answer for capital				
		<u>10</u>	<u>2Q</u>	<u>3Q</u>	<u>4Q</u>				
	FY2016: FY2017:	\$342,650	\$80,017		\$27,333				
4.	An estimated sch	nedule for the com	pletion of the pro	oject:					
	Design Start: 3/0 Construction Sta	08/16 Desi art: 6/06/16 Con	gn Complete: 5/0 struction Comple						
5.		An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):							
	N/A								
6.		evenues, if any, lil		from the proj	ect, covering the first five years of operation				
	Campus Enterpr	ises anticipates ne	t revenue of \$150	0,000 per year	for the first five years of operation.				
7.	An explanation of	of the means of fir	nancing:						
	-	ises receipts will f	•	nd construction	of this project.				

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

BIENNIUM 2013 - 2015

Form OC-25

(Rev 05/12)

	RTMENT and DIVISION:	North Carolina Sta				<u></u>	DATE:	11/20/15
	ECT IDENTIFICATION:	Talley Retail Upfit						
	ECT CITY or LOCATION:	Raleigh - Central						
	ECT DESCRIPTION & JUST							
	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 ramp	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	.5% complex)	)		\$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 ESTITIATED	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 en en la company de la comp	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

Ins	ution: The University of North Carolina at Chapel Hill Advance Planning Request
Inc	New Capital Project*: x ase in Authorization from: \$\(\frac{0}{2}\) to \$\(\frac{\$4,208,103}{2}\)
Pro	ect Title: Men's Locker Room Renovation at the Smith Center
Pro	ect Cost: _\$4,208,103
So	ce of Funds: Educational Foundation Funds
	his project has previously had advance planning authority, please identify code/item number under which that brity is carried. Code Item
Fo	each advance planning project or capital construction project, please provide the following:
1.	Provide detailed description and justification:  This project will renovate the existing Men's Basketball Locker Suite at the Smith Center. The renovation will include a separate locker rooms for players, coaches and staff, new toilets and showers, nutritional and beverage station, therapy areas, media room, team meeting and video space and players' lounge. The area of works approximately 12,000 square feet.
2.	An estimate of acquisition, planning, design, site development, construction, contingency and other related costs Answer for capital construction only and include a completed OC-25 form)
	See attached OC-25 form.
3.	An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):
	4Q 2015-16       1Q 2016-17       2Q 2016-17       TOTAL         \$1,052,026       \$2,104,052       \$1,052,026       \$4,208,103
4.	An estimated schedule for the completion of the project:
	Design 4/1/16; construction start: 06/1/16; construction complete: 09/1/16
5.	An estimate of maintenance and operating costs and source of funding to support these costs, including personnel covering the first five years of operation (Answer for capital construction only): n/a
6.	An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation Answer for capital construction only):
	n/a

7. An explanation of the means of financing: Educational Foundation Funds

## STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE DROSED BEDAIR & BENOVATION OF CARITAL IMPROVEMENT PROJECTION

Form OC-25 (Rev 09/14)

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

DEPARTMENT and DIVISION: PROJECT IDENTIFICATION: PROJECT CITY or LOCATION: Chapel Hill, North Carolina The University of North Carolina at Chapel Hill Mens Locker Room Renovation at the Smith Center Chapel Hill, North Carolina					-	DATE: _	01/25/16
PROJECT DESCRIPTION & JUSTIFICATION: (Attach add)			icate need, size, fun	ction of improve	ments as v	vell as a master olan	}
This project will renovate the existing Men's Basketball Loplayers, coaches and staff, new toilets and showers, nutriplayers' lounge. The area of work is approximately 12,000	ocker S itional	Suite at the Sr and beverage	mith Center. Th	e renovation	will incl	ude a separate l	ocker rooms for
(D-6-25	_4!e	Alela farma )					
(Definitions/explanations are provided on pg 2 to assist in comple CURRENT ESTIMATED CONSTRUCTION COST	etion of	inis iorm.)	QTY	UNIT	000	FPER UNIT	TOTAL
A. Land Requirement			W) 1	UNII	000	ELEIV OIM	\$0
B. Site Preparation				I			70
1. Demolition			12000	SF	\$	5.00	\$60,000
2. Site Work					i i		\$0
C. Construction			<b>.</b>				-
1. Utility Services							\$0
2. Building Construction (new space)							\$0
Building Construction (existing)			12000	SF	\$	190.00	\$2,280,000
4. Plumbing (existing)			12000	SF	\$	20.00	\$240,000
5. HVAC (existing)			12000	SF	\$	36.00	\$432,000
6. Electrical			12000		\$	20.00	\$240,000
<ol><li>Fire Supression and Alarm Systems</li></ol>			12000		\$	8.00	\$96,000
8. Telephone, Data, Video			12000	SF	\$	. 3.00	\$36,000
Associated Construction Costs							\$0
10. Other:							\$0
D. Equipment				10		00.000.00	000 000
1. Fixed				LS LS	\$	80,000.00 125,000.00	\$80,000 \$125,000
2. Moveable ESTIMATED CONSTRUCTION COSTS			<u> </u>	Lo	φ	120,000.00	\$3,589,000
			è statul			<u> </u>	\$3,009,000
Items below may be calculated by percentage or lump sum. If using lu	ump sur	n, make entry in	\$ neia.				
DESIGN FEE	10 %	1% of Fetimata	d Construction Co	nete)			\$358,900
			d Construction Co	•	M@Risk1	,	\$8,973
		•	1.0% moderate; 1.	-		′  -	\$17,945
SPECIAL INSPECTIONS/MATERIALS		(1.25% estimat		o io vompion,		<u> </u>	\$0
SUSTAINABILITY			d, 2% LEED Silve	ır)		<b> </b>	\$0
	<del></del>	•					
ADVANCE PLANNING1			amming, feasibility d Construction Co				\$53,835
CONTINGENCIES	5 %	(% of Estimate	d Construction Co	sts [3% New	or 5% R8	RR])	\$179,450
ESTIMATED COSTS (% of Estimated Construction Costs		lingencies + De	sign Fee)			:	\$4,208,103
Escalation = percent per month multiplied by number of mon	nths				•/		
(From Est. Date to mid-point of construction) = General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mos = .12%; 36-47 r	mos = .10	6%; 48-60 mos = .	months 18%		% per m	onth	
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos = .26%; 18-23 m				%; 48-60 mos = .	38%		
ESCALATION COST INCREASE (Total of Estimated Costs							\$0
TOTAL ESTIMATED PROJECT COSTS (Estimated Costs	s + Esca	lation Cost Increa	se)				\$4,208,103
APPROVED BY: Alma, Wh			TITLE			DA	TE 1- 28-16

(Governing Board or Agency Head)

Institution:	University of	North Carolina at C	Charlotte	Advance Planning	
	ization from: \$ npus Circulation Im		-	New Capital	Project*: X
Project Cost: \$1,	000,000				
Source of Funds:	Facilities & Adminis	strative Receipts (F	&A)		
	previously had adva Code		ority, please identify co	de/item number und	er which that
For each advance	planning project o	or capital construc	tion project, please pr	ovide the following	<b>;:</b>
<ol> <li>A detailed pro</li> </ol>	ject description and	justification:			
vehicular patt improvements project will in with the J.W. station and the	erns associated with a will be primarily to a clude new and imple Clay station is interrough campus and to a station is interrough.	h the Charlotte Are focused on the mai roved sidewalks, be nded to properly of will extend beyond	ommodate increased area Transit System (CA in station on campus arous and taxi pull-offs, rient and move passend the immediate area ompletion of work in the	ATS) light rail extended the JW Clay star and signage. Work agers back and forth of the station. Constitution	nsion. The tion. The associated a from the
(a completed (		ng, design, site deve	elopment, construction,	contingency and other	her related costs
Attached					
3. An estimated s		w requirements ove	r the life of the project	by FY quarters (Ans	swer for capital
FY16 QTR 3	\$12,500	FY17 QTR 2	\$192,500	FY18 QTR 1	180,000
FY16 QTR 4	\$37,500	FY17 QTR 3	\$270,000		
FY17 QTR 1	\$37,500	FY17 QTR 4	\$270,000		
4. An estimated s	schedule for the com	pletion of the proje	ect:		
Design Start	3/10	/2016	Construction Start	11/1/2016	
Construction C	Complete 8/1/2	2017			
			source of funding to sup capital construction on		luding personnel,
N/A					
	Frevenues, if any, lil apital construction o		rom the project, covering	ng the first five year	s of operation
N/A					

Facilities and Administrative receipts will be utilized as the primary funding source for this project.

Revised 5-14-2014

7. An explanation of the means of financing:

Form OC-25 (Rev 12/15)

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

DEP	ARTMENT and DIVISION:	UNC Charlotte					DATE:	01/19/16
PRC	JECT IDENTIFICATION:	Campus Circulation	n Improvements	S		_	•	
PRC	JECT CITY or LOCATION:	Charlotte, NC						
vehi mair asso	DJECT DESCRIPTION & JUSTIFICATI cular patterns associated with the Cha a station on campus and the JW Clay s iciated with the J.W. Clay station is inte and beyond the immediate area of the s	rlotte Area Transit Systation. The project wi ended to properly orie	stem (CATS) lig ill include new a nt and move pa	ght rail extensi and improved : assengers bac	on. The imposidewalks, b k and forth f	rovemer us and t rom the	nts will be prima axi pull-offs, and station and thro	rily focused on the d signage. Work ough campus and will
	nitions/explanations are provided on pg 2 t		f this form.)	QTY	UNIT	T cos	T PER UNIT	TOTAL
A.	RENT ESTIMATED CONSTRUCTION Land Requirement	1 COST		QH	UNII	003	I FER UNII	**************************************
В.	Site Preparation		Ĺ					ΨΟ
	1. Demolition		Г	1	LS	\$	75,000.00	\$75,000
	2. Site Work			1	LS	\$	732,878.00	\$732,878
C.	Construction		<u>-</u>				•	
	<ol> <li>Utility Services</li> </ol>							\$0
	2. Building Construction (new spa							\$0
	<ul><li>3. Building Construction (existing</li><li>4. Plumbing (new space)</li></ul>	)	}			-		\$0 \$0
	<ol> <li>Plumbing (new space)</li> <li>HVAC (new space)</li> </ol>		}			<del> </del>		\$0 \$0
	6. Electrical (Includes TV & Radio	Studio)	}	1	LS	\$	20,000.00	\$20,000
	7. Fire Supression and Alarm Sys		<u> </u>				·	\$0
	8. Telephone, Data, Video		ľ	1	LS	\$	20,000.00	\$20,000
	Associated Construction Costs							\$0
D	10. Other: Project S	Support	_ [	1	LS	\$	5,000.50	\$5,001
D.	Equipment  1. Fixed		Г					\$0
	2. Moveable		}					\$0 \$0
EST	IMATED CONSTRUCTION COSTS		L					\$852,879
	below may be calculated by percentage or	lump sum. If using lump	sum, make entry	in \$ field.			l	
DES	IGN FEE	10 %	(% of Estimated	d Construction (	Costs)			\$85,288
	CONSTRUCTION COSTS		(% of Estimated			CM@Ris	k] )	\$0
	MMISSIONING	0 %	(0.5% simple; 1	.0% moderate;				\$0
	CIAL INSPECTIONS/MATERIALS		(1.25% estimate					\$10,660.98
SUS	TAINABILITY	0 %	(3% LEED Gold	l, 2% LEED Silv	/er)			\$0
ADV	ANCE PLANNING	1 %	Includes progra (% of Estimated	•	, ,			\$8,529
CON	ITINGENCIES	5 %	(% of Estimated	d Construction (	Costs [3% Ne	w <b>or</b> 5%	R&R])	\$42,644
EST	IMATED COSTS (% of Estimated C	onstruction Costs + Cor	ntingencies + Des	sign Fee)				\$1,000,000
	alation = percent per month multiplied b	•				2.07		
•	m Est. Date to mid-point of construction) ral Bldgs: 0-17 mos = 0%: 18-23 mos = 04%: 24		12 s = 16%: 48-60 mos	months s = 18%		) % per	MONIN	

Ins	stitution:	University of N	North Carolina at C	Charlotte	Adv	ance P	Planning Request:		
_						New	Capital Project*: X		
	crease in Authorizati oject Title: Admissi		to \$	_					
110	oject Title. Admiss.	ions center							
Pro	oject Cost: _\$8,000,	000.							
So	urce of Funds: Non-	-General Funds (	Unrestricted funds	in the Endowm	nent pool)				
	this project has pre- thority is carried. Co			ority, please ider	ntify code/ite	m num	ber under which that		
Fo	r each advance pla	nning project o	r capital construc	tion project, pl	ease provide	the fo	llowing:		
1.	A detailed project	description and j	ustification:						
	is intended to welch and serve as a start increased numbers Admissions office being turned away people; a typical to 23,000 admission a	ome prospective cing point for car of prospective s in 2014; over 10 due space limita our size is 100. The applications for the mission over the	students and their inpus orientation are tudents and their for 0,000 guests attendations. Current informations states the Admissions states are 2015 academic	families to cam nd tours. Curren amilies visiting of ed a campus tou ormation session aff, which will of year. UNC Cha	pus, house un the facilities are campus. Over and information meeting roo ccupy this but arlotte has ex	ndergrae inade er 9,000 ation so om will tilding, perience	ssions and Visitors Center aduate admissions office equate to serve the 0 people visited the ession with many more only accommodate 48 processed more than ced a 73% increase in th Village area of campu		
2.	An estimate of acq (a completed OC-2		g, design, site deve	elopment, constr	ruction, conti	ngency	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 2	\$123,081	FY17 QTR 2	\$61,538	FY18 QT	R 2	\$1,815,384		
	FY16 QTR 3	\$184,666	FY17 QTR 3	\$1,210,256	FY 18 Q7	ΓR 3	\$605,128		
	FY16 QTR 4	\$184,666	FY17 QTR 4	\$1,815,384					
	FY17 QTR 1	\$184,666	FY18 QTR 1	\$1,815,384					
4.	An estimated sche	dule for the com	pletion of the proje	ect:					
	Design Start	11/1/		Construction	Start 2	2/1/201	7		
	Construction Com	plete 2/1/2	018	Occupy	4	1/1/201	8		
5.	An estimate of macovering the first f					hese co	osts, including personnel		
	Fiscal Year 2018	\$131	,177	Fiscal Year 20	021 \$	5239,62	23		
	Fiscal Year 2019	\$239	,623	Fiscal Year 20	022 \$	3239,62	23		
	Fiscal Year 2020	\$239	,623						
	Source of funds: In	nstitutional funds	<b>S</b>						

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

N/A

7. An explanation of the means of financing:

A new Admissions and Visitor Center is made possible by the net proceeds of an unrestricted private gift of \$11.5 million resulting from the sale of real estate donated to the Foundation of the University of North Carolina at Charlotte. Unrestricted funds in the Endowment pool (cash on hand) will be used to design and construct the building.

Form OC-25 (Rev 05/12)

DATE: 08/25/15

### PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT

BIENNIUM 2013 - 2015

**UNC Charlotte** 

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

DEPARTMENT and DIVISION:

PRO	JECT IDENTIFICATION:	Admissions and Vi	sitors Center				-	
PRO	JECT CITY or LOCATION:	Charlotte						
welcon inaded campu size is increa	DECT DESCRIPTION & JUSTIFICA me prospective students and their families to a quate to serve the increased numbers of prospective and information session with many mo 100. The Admissions staff, which will occupy se in applications for admission over the last entrance.	campus, house undergradual pective students and their far re being turned away due sp r this building, processed mo	te admissions office nilies visiting campu ace limitations. Cur re than 23,000 adm	s, and serve as a is. Over 9,000 pe rent information so ission applications	starting point ople visited th ession meetin s for the 2015	for campus of e Admission groom will cacademic years	orientation and tour s office in 2014; ov only accommodate ear. UNC Charlotte	rs. Current facilities are er 10,000 guests attended a 48 people; a typical tour has experienced a 73%
CLID	RENT ESTIMATED CONSTRUCTION	T2O2 MC		QTY	UNIT	Loos	FPER UNIT	TOTAL
A.	Land Requirement	JN COST		UII	UNIT	003	I PER UNII	TOTAL \$0
В.	Site Preparation		L					ΨΟ
Ь.	1. Demolition		Г	1	LS	\$	8,000.00	\$8,000
	2. Site Work		-	20000		\$	48.00	\$960,000
C.	Construction		L	20000	51	Ψ	40.00	Ψ700,000
О.			ı	20000	SE.	\$	1.10	\$22,000
	<ol> <li>Utility Services</li> <li>Building Construction (new specification)</li> </ol>	2200)	-	20000		\$	218.00	\$4,360,000
	Building Construction (existing a suilding Construction (existing construction)		-	20000	JI	ψ	210.00	\$4,300,000
	4. Plumbing (new space)	9)	-	20000	SF	\$	13.00	\$260,000
	5. HVAC (new space)		-	20000		\$	20.00	\$400,000
	6. Electrical (Includes TV & Rac	lio Studio)	-	20000		\$	15.00	\$300,000
	<ol> <li>Fire Supression and Alarm S</li> </ol>		-	20000		\$	2.00	\$40,000
	8. Telephone, Data, Video	ystems	-	20000		\$	5.00	\$100,000
	Associated Construction Cos	ts	-	20000	0.	Ψ	0.00	\$0
	10. Other: FM Sup		-	1	LS	\$	23,864.00	\$23,864
D.	Equipment Final Equipment	урог	_ L		LO	Ψ	20,001.00	\$20,00 T
٥.	1. Fixed		I	20000	SF	\$	3.50	\$70,000
	2. Moveable		-	20000		\$	3.00	\$60,000
FST	IMATED CONSTRUCTION COST	S	L		· ·	Ť	0.00	\$6,603,864
	below may be calculated by percentage of		sum, make entry ir	n \$ field.			L	ψο/ουσ/ου τ
DES	IGN FEE	10 %	(% of Estimated	Construction C	osts)		Γ	\$660,386
	CONSTRUCTION COSTS		(% of Estimated			CM@Risk	) T	\$0
	IMISSIONING	0.5 %	(0.5% simple; 1.				· ′	\$33,019
	CIAL INSPECTIONS/MATERIALS	1.25 %	(1.25% estimate			,	ļ.	\$82,548.30
SUS	TAINABILITY		(3% LEED Gold		er)		Ī	\$132,077
			Includes prograr				<u> </u>	
ADV	ANCE PLANNING	1 %		-				\$66,039
CON	TINGENCIES	3 %	(% of Estimated	Construction C	osts [3% Ne	w <b>or</b> 5% R	&R])	\$198,116
	MATED COSTS (% of Estimated lation = percent per month multiplied	Construction Costs + Cor by number of months	ntingencies + Desi	ign Fee)				\$7,776,050
Genera	n Est. Date to mid-point of construction al Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24 Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-	-35 mos = .12%; 36-47 mos =				2 % per n	nonth	
	ALATION COST INCREASE (Total of				, 10 00 11		Γ	\$223,950
TOT	AL ESTIMATED PROJECT COST	S (Estimated Construction	on Costs + Escalatio	on Cost Increase)			- Γ	\$8,000,000
		,					L	* *

Institution:	UNC Greensboro	Advance Planning Request:
	orization from: \$500,000 to \$7,523,0 novations to 1510 Walker Avenue	New Capital Project*: X
Project Cost: \$7,:	523,000	
Source of Funds:	Primarily Facilities & Administrative Cost Reim	oursement plus Non-General fund balances
	s previously had advance planning authority, plead. Code <u>41325</u> Item <u>305</u>	ase identify code/item number under which that
For each advanc	e planning project or capital construction proj	ect, please provide the following:
A detailed pro	piect description and justification:	

oject description and justification:

The project scope combines renovation and repurposing of 1510 Walker Avenue, currently used as the Student Recreation Center, with the adjacent Coleman building to expand use by the School of Health and Human Sciences, Dance Department and UNCG Middle College. These renovations will directly address our Dance program's need to meet accreditation requirements and the School of Health and Human Sciences' enrollment growth demand.

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

See Attached OC-25 form

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

See Attached Cash Flow Projection

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

The renovation of 1510 Walker will be substantially complete by August 1, 2017 and the renovations within the adjacent Coleman Building will be substantially complete by December 1, 2017.

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

N/A.

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

No revenues anticipated.

7. An explanation of the means of financing:

Cash Balances will be used as required during the duration of the project. UNCG is using a combination of funding sources, primarily Facilities & Administrative Cost Reimbursement plus some non-general fund balances to renovate and re-purpose the facilities for academic use. This renovation and re-purposing is critical to meet our enrollment and programmatic needs and has accreditation implications.

Form OC-25 (Rev 05/12)

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

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

	JNC Greensboro					DATE: _	02/01/16
PROJECT IDENTIFICATION: 1510 Walker Avenue & Coleman Building Renovation							
PROJECT CITY or LOCATION:	Greensboro, NC						
PROJECT DESCRIPTION & JUSTIFICATION	l: Interior Renovati	on at 1510 W	alker Ave. (Exis	sting SRC) a	nd 1408	Waker Ave. (C	coleman Building)
for the UNCG Middle College, Dance, HHS De							
		<u> </u>		······································			
(Definitions/explanations are provided on pg 2 to as:	sist in completion of	this form.)					
CURRENT ESTIMATED CONSTRUCTION C		,	QTY	UNIT	COST	PER UNIT	TOTAL
A. Land Requirement							\$0
B. Site Preparation				•			
1. Demolition			2700	SF	\$	8.25	\$22,275
2. Site Work							\$0
C. Construction							
1. Utility Services							\$0
2. Building Construction (Minor Rend	ov.)		46434	SF	\$	30.00	\$1,393,020
3. Building Construction (Moderate F			14675	SF	\$	90.00	\$1,320,750
4. Building Construction (Heavy Ren			14895	SF	\$	125.00	\$1,861,875
5. Building Construction (1408 Walk		Const.)	1428	SF	\$	140.00	\$199,920
6. Building Construction (ATEP Lab)		•	1	LS	\$	250,000.00	\$250,000
7. Plumbing (Included in SF Cost)							\$0
8. HVAC (Included in SF Cost)							\$0
<ol><li>Electrical (Low Voltage work not in</li></ol>	n SF Cost)		12970	SF	\$	10.00	\$129,700
<ol><li>Fire Suppression and Alarm Sys</li></ol>	tems						\$0
<ol><li>Telephone, Data Network, Video</li></ol>	)			LS	\$	150,000.00	\$150,000
<ol><li>Associated Construction Costs (</li></ol>	GC, Bonds & Ins.)			LS	\$	450,000.00	\$450,000
13. Other: Asbestos At	ate./ Air Monitor	_	44318		\$	4.00	\$177,272
14. Other: Reserve / Fi	re Alarm Allow.	-		LS	\$	300,000.00	\$300,000
15. Other: Moving Cos	ts	•	. 1	LS	\$	50,000.00	\$50,000
D. Equipment							
<ol> <li>Fixed (Projectors, Screens, Class</li> </ol>	room. Tech.)		1	LS	\$	100,000.00	\$100,000
<ol><li>Moveable</li></ol>			ļ				\$0
ESTIMATED CONSTRUCTION COSTS						Į.	\$6,404,812
Items below may be calculated by percentage or lump	sum. If using lump :	sum, make entry	in \$ field.				
	r 0/				ro( m		\$320,241
CONTINGENCIES			ed Construction C		or 5% R	(&RJ)	\$672,505
DESIGN FEE		•	ed Construction C	-	= =		
PRECONSTRUCTION COSTS		•	ed Construction C	_	_	1)	\$0 \$0
COMMISSIONING	%	(0.5% simple;	1.0% moderate;	1.5% complex	)		\$0
SPECIAL INSPECTIONS/MATERIALS							
TESTING/GEOTECHNICAL	%	(1.25% estima	ated)				\$0
SUSTAINABILITY	%	/3% LEED Go	old, 2% LEED Silv	ier)			\$0
SUSTAINABILITY			ramming, feasibili				,
ADVANCE PLANNING	FIXED %		ed Construction C				\$71,500
MOVINOE I BRITING		(70 01 201111111					
ESTIMATED COSTS (% of Estimated Cons	etruction Costs + Co	ntingencies + D	esion Feel				\$7,469,058
Escalation = percent per month multiplied by n		Kingonoloo - D	00.g.r r 00,			'	
(From Est. Date to mid-point of construction) =	dilibor of mondia	18	3 months	0.04	% рег г	month	
General Bidgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 mo	n = 190/+ 26 Å7 mos =				- 10 poi (		
General Biogs: 0-17 mos = 0%; 18-23 mos = .04%; 24-33 mo	5 t270, 30-47 11105	10 /0, 40-00 11105 -	.1070				
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 mos	= .26%; 18-23 mos = .29	3%; 24-35 mos = .	33%; 36-47 mas = .3	6%; 48-60 mos =	.38%		
ESCALATION COST INCREASE (Total of Es							\$53,777
PARKING REPLACEMENT COST		•					\$0
						,	
TOTAL ESTIMATED PROJECT COSTS	(Estimated Costs + Es	calation Cost Incr	ease)				\$7,522,835
1. \ t							DATE 2.09 201
APPROVED BY:   > \ /\ /	ŧ.	TITLE Acc	enciate Vice (	Chancellor	tor Fac	ulities	DATE LY LOV

(Governing Board or Agency Head)

Ins	titution: East Carolina University	Advance Planning Request: X  New Capital Project*:
Inc	crease in Authorization from: \$0 to \$125,000	ivew Capital Floject*.
Pro	oject Title: Brody Building High Rise Code Study	
Pro	pject Cost: \$125,000	
So	urce of Funds: 2014 – 2015 Carry Forward Funds	
	this project has previously had advance planning authority, please i hority is carried. Code Item	identify code/item number under which that
Fo	r each advance planning project or capital construction project, plea	se provide the following:
1.	A detailed project description and justification:	
	The Brody High Rise Building was designed under the 1967 NC Education documents are dated 10/10/1978. The University is evaluating the do not fully comply with Section 1008 of this 1978 NC Building Construction for High Rise buildings. This study is intended to be and establish approved corrective action with the Office of State Cissues found this study will include the preparation of scheme with cost estimates, for bringing the Brody Building into Construction of the property of the Brody Building into Construction of t	building's current 4 egress stair towers that Code; as mandated by the Office of State tter define / verify any compliance issues Construction. For any non-compliance natic design solution options, along
2.	An estimate of acquisition, planning, design, site development, co. \$4,954,440 A completed OC-25 form is attached.	nstruction, contingency and other related costs:
3.	An estimated schedule of cash flow requirements over the life of to construction only): N/A	he project by FY quarters (Answer for capital
4.	An estimated schedule for the completion of the project:	
	Advertise for Designer 3/3/16, Contract Designer, 5/2/16, Comple	te Study 9/30/16 to 10/14/16
5.	An estimate of maintenance and operating costs and source of function covering the first five years of operation (Answer for capital const	
6.	An estimate of revenues, if any, likely to be derived from the projection (Answer for capital construction only): N/A	ect, covering the first five years of operation
7.	An explanation of the means of financing:	
	2014- 2015 Carry Forward Funds	

Form OC-25 (Rev 05/12)

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

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

DEPARTMENT and DIVISION:		East Carolina Un						DATE: 02/02/16	
	JECT IDENTIFICATION:		rody Building High Rise Code Study						
PRC	JECT CITY or LOCATION:								
PRC	JECT DESCRIPTION & JUSTIFIC	CATION: (Attach add'l data a	as necessary to inc	dicate need, size, fu	nction of in	nprovements as	well as a master plar	1.)	
	are design solution options along	with cost estimates for b	ringing the Bro	dy Building into	compliar	ice with Secti	on 1008 of the No	orth Carolina	
Build	ling Code.								
01.15	DENT FORMATER CONCERNO	TION 000T		OTV	LINIT	- 1 0007	DED LIMIT I	TOTAL	
	RENT ESTIMATED CONSTRUCT	HON COST		QTY	UNIT	COST	PER UNIT	TOTAL	
A.	Land Requirement							\$0	
B.	Site Preparation  1. Demolition			10,000	ICE	\$	35.00	\$350,000	
	2. Site Work			10,000	JI	φ	33.00	\$350,000	
C.	Construction						<u> </u>	ΨΟ	
0.	Utility Services						<u> </u>	\$0	
	Building Construction (new	(anace)						\$0 \$0	
	<ol> <li>Building Construction (exist</li> </ol>	•		20,000	SF	\$	118.00	\$2,360,000	
	4. Plumbing (new space)	,uiig)		20,000		\$	18.00	\$360,000	
	5. HVAC (new space)			20,000		\$	16.00	\$320,000	
	6. Electrical (Includes TV & R	adio Studio)		20,000		\$	22.00	\$440,000	
	7. Fire Supression and Alarm	•						\$0	
	8. Telephone, Data, Video	,						\$0	
	<ol><li>Associated Construction C</li></ol>	osts						\$0	
	10. Other:							\$0	
D.	Equipment				•	•	•		
	1. Fixed							\$0	
	2. Moveable							\$0	
EST	IMATED CONSTRUCTION COS	STS						\$3,830,000	
Items	below may be calculated by percentag	e or lump sum. If using lun	np sum, make ent	ry in \$ field.					
		10 0	<i>,</i> , , , , , , , , , , , , , , , , , ,					ф202 000	
	IGN FEE			ed Construction C		( OMODULI	,	\$383,000	
	CONSTRUCTION COSTS			ed Construction C			)	\$38,300 \$19,150	
	MMISSIONING		<ul><li>(0.5% simple;</li><li>(1.25% estimate)</li></ul>	1.0% moderate;	1.5% com	piex)	_	\$19,150	
	CIAL INSPECTIONS/MATERIALS TAINABILITY			atea) old, 2% LEED Silv	_	\$37,430			
303	TAINADILIT						<u> </u>	ΨΟ	
ADV	ANCE PLANNING	1.5 %		ramming, feasibili ed Construction C		S		\$57,450	
CON	ITINGENCIES	5 %	(% of Estimate	ed Construction C	osts [3%	New or 5% R8	kR])	\$191,500	
EST	IMATED COSTS (% of Estimat	ed Construction Costs + C	ontingencies + D	esign Fee)				\$4,576,850	
	nlation = percent per month multipli		Ü	,					
(Fro	m Est. Date to mid-point of construc	tion) =	25	months	C	).33 % per mo	onth		
Gene	al 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 %; 1	12-17 mos = .26%· 18-23 mos =	: .29%: 24-35 mos =	.33%: 36-47 mos =	.36%: 48-60	) mos = .38%			
	ALATION COST INCREASE (Tot				,			\$377,590	
	AL ESTIMATED PROJECT CO			,	)			\$4,954,440	
		C.O (Estimated Constitut					Γ.Λ.		
APP	ROVED BY: <u>John G Fields, PE</u>		iiile: <u>Cap</u> i	ital Projects Coc	<u>ภนเทลเบโ</u>		DΑ	TE: <u>02-02-16</u>	

Institution: East Carolina University				X
	crease in Authorization from: \$t oject Title: Mendenhall Catering Kitchen		-	
Pro	oject Cost: \$200,000 for Program Study	T.		
So	ource of Funds: Dining Receipts			
	f this project has previously had advance put thority is carried. Code Item _	planning authority, please identify code/item number under which	h th	.at
Fo	or each advance planning project or cap	pital construction project, please provide the following:		
1.	A detailed project description and justifi	fication:		
	Center. The University catering service	Center is being eliminated with the construction of the new Studes will remain in Mendenhall. The food court space as well as the catering needs as well as to create offices for catering staff.		tisting
2.	An estimate of acquisition, planning, de (Answer for capital construction only ar	esign, site development, construction, contingency and other relat nd include a completed OC-25 form)	ed (	costs
	OC25 is attached.			
3.	An estimated schedule of cash flow requestruction only):	uirements over the life of the project by FY quarters (Answer for	cap	oital
4.	An estimated schedule for the completic	on of the project:		
	Program Study- April 2016 – February 2	• •		
	Construction - July 2018 – November 20	2018		
5.		ing costs and source of funding to support these costs, including part (Answer for capital construction only):	oers	onnel,
6.	An estimate of revenues, if any, likely to (Answer for capital construction only):	to be derived from the project, covering the first five years of ope	ratio	o <b>n</b>
7.	An explanation of the means of financin	ng:		

Form OC-25 (Rev 09/14)

DATE: 02/02/16

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

East Carolina University, FEAS

DEPARTMENT and DIVISION:

	JECT IDENTIFICATION:	Mendenhall Food	Service Reno	vation		_	•		
PRO.	JECT CITY or LOCATION:	Greenville							
DDO	IFOT DECODIDATION & ILICATEDAT	ION Fard and the		d la = 11 211 la =		· · · · · · · · · · · · · · · ·	11-1	^ - 4 d	£ 11
	JECT DESCRIPTION & JUSTIFICAT e based in Mendenhall. Former food								
	ons will still be based in Mendenhall.								
	ng kitchen.	T diffici lood service :	ppaces and ti	ic chisting kitche	on will be rei	lovated into a la	igei ille	domizot	
	itions/explanations are provided on pg 2	to assist in completion o	f this form.)						
	RENT ESTIMATED CONSTRUCTIO		,	QTY	UNIT	COST PER	UNIT		TOTAL
A.	Land Requirement							\$	-
B.	Site Preparation					•			
	1. Demolition			8,000	SF	\$	8	\$	60,000
	2. Site Work							\$	-
C.	Construction								
	<ol> <li>Utility Services</li> </ol>							\$	-
	<ol><li>Building Construction (new sp</li></ol>	•						\$	-
	<ol><li>Building Construction (existing</li></ol>			8,000	SF	\$	65	\$	520,000
	4. Plumbing (renov. old seating,			8,000	SF	\$	50	\$	400,000
	<ol><li>HVAC (renov. old seating, ser</li></ol>			8,000	SF	\$	55	\$	440,000
	6. Electrical (renov. old seating,	•	v kichen)	8,000	SF	\$	45	\$	360,000
	7. Fire Supression and Alarm Sy	stems (upgrade)		8,000	SF	\$	25	\$	200,000
	8. Telephone, Data, Video							\$	-
	Associated Construction Cost	S		8,000	SF	\$	5	\$	40,000
_	10. Other:		_					\$	-
D.	Equipment					T ¢ 10	00 000	¢	1 000 000
	Fixed (Kitchen equipment)     Manage III			1	LS	\$ 1,0	00,000	\$	1,000,000
ГСТІ	2. Moveable							\$	2 020 000
	MATED CONSTRUCTION COSTS						ļ	\$	3,020,000
Items	below may be calculated by percentage or	lump sum. If using lump	sum, make en	try in \$ field.					
DECI	GN FEE	10 %	(% of Estimate	ted Construction C	`octo)		Ī	\$	302,000
	CONSTRUCTION COSTS			ted Construction C		CM@Dick1 \	ŀ	\$	302,000
	MISSIONING			; 1.0% moderate;			ŀ	\$	
	CIAL INSPECTIONS/MATERIALS		(1.25% estim		1.070 comple	λ)	ŀ	\$	30,200
	AINABILITY			old, 2% LEED Silv	ver)		ŀ	\$	
	7.11.0 (5)[2] 1						ŀ	•	
ADVA	ANCE PLANNING	3 %		ramming, feasibili ted Construction C				\$	90,600
			•			F0/ D0 D1)	ŀ		
CON	TINGENCIES	5 %	(% of Estima	ted Construction C	Costs [3% Ne	w <b>or</b> 5% R&R])	ŀ	\$	151,000
ESTI	MATED COSTS (% of Estimated 0	Construction Costs + Co	ntingencies + [	Design Fee)				\$	3,593,800
Escal	ation = percent per month multiplied l		ŭ				L		
(From	Est. Date to mid-point of construction	) =	3	0 months	0.12	2 % per month			
Genera	I Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-	35 mos = .12%; 36-47 mos =	.16%; 48-60 mos	s = .18%		_			
Health	Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-1;	7 mos = 26%·18-23 mos = 1	29%· 24-35 mas	= 33%· 36-47 mos -	36%· 48-60 mg	ns = 38%			
	ALATION COST INCREASE (Total o			.5570, 55 47 11103 -	.5570, 10 00 1110	.0070	ſ	\$	129,377
	·	_	·						•
TOT	AL ESTIMATED PROJECT COSTS	S (Estimated Costs + Es	scalation Cost In	crease)			[	\$	3,723,177

Ins	titution: NC State University	7	Advance Planning Request: X						
	erease in Authorization from: \$to		New Capital Project*:						
	oject Cost: \$195,000 AP Request (\$1,95								
So	urce of Funds: Athletics Receipts								
	this project has previously had advance p		identify code/item number under which that						
	r each advance planning project or cap		, please provide the following:						
1.	A detailed project description and justifi	ication:							
	This project will renovate 5,500 square feet of space in the Murphy Center to create a Media Broadcast Center. The project converts a racquetball court and conference space to accommodate donated media broadcast equipment.								
2.	An estimate of acquisition, planning, des (a completed OC-25 form)	sign, site development, co	nstruction, contingency and other related costs						
	See attached OC-25.								
3.	An estimated schedule of cash flow requirements construction only):	nirements over the life of t	he project by FY quarters (Answer for capital						
	N/A								
4.	An estimated schedule for the completion	on of the project:							
	Design Start: May 1, 2016 Construction Start: February 15, 2017	Design Complete: Construction Comp	January 15, 2017 plete: July 31, 2018						
5.	An estimate of maintenance and operating costs and source of funding to support these costs, including personnel covering the first five years of operation (Answer for capital construction only):								
	N/A								
6.	An estimate of revenues, if any, likely to (Answer for capital construction only):	be derived from the proje	ect, covering the first five years of operation						
	N/A								
7.	An explanation of the means of financin	ıg:							
	Athletics receipts will fund the design ar	nd construction of this pro	iect.						

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

Form OC-25

(Rev 05/12)

	BIENNIUM 2013 - 2015					
DEPARTMENT and DIVISION:	North Carolina State University				DATE	10/01/15
PROJECT IDENTIFICATION:	Murphy Center - Media Center			-	DATE:	12/21/15
PROJECT CITY or LOCATION:						
	Raleigh - West Campus Precinc					
PROJECT DESCRIPTION & JUSTIFI	CATION: (Attach add'l data as necessary to in	dicate need, size, fun	ction of improv	vements as w	vell as a master plan	.)
Inis project will renovate about 5,500	square feet of space in the Murphy Cer	nter to create a M	ledia Broad	cast Cente	er. The project co	onverts existing
racquetball court, conference rooms, a	and office space into a broadcast cente	r that will accomn	nodate dona	ated media	a broadcast equi	pment. Added
electrical and mechanical capacity is i	ncluded to support the new equipment.					
(Definitions/explanations are provided an a	og 0 to posiet in completion of this form					
(Definitions/explanations are provided on p CURRENT ESTIMATED CONSTRUC		OTV.	LINIT	LOGOT	DED LINET T	TOTAL
A. Land Requirement	HON COST	QTY	UNIT	COS1	PER UNIT	TOTAL
B. Site Preparation						\$0
Demolition						\$0
2. Site Work						\$0
C. Construction						Φ0
Utility Services						Φ0
Building Construction (new	w onooo)	-				\$0
Building Construction (lexis)     Building Construction (exists)		5500		6	100.00	\$0
Plumbing (new & existing)		5500		\$	106.90 5.35	\$587,950
HVAC (new & existing spa		5500		\$		\$29,425
Electrical (new & existing specific and		5500		\$	66.80 64.00	\$367,400 \$352,000
	m Systems (new & existing space)	5500		\$	2.70	\$14,850
8. Telephone, Data, Video (i		5500		\$	13.50	\$74,250
Associated Construction C			lump sum	\$	30,125.00	\$30,125
	urity Infrastructure & equipment	5500	idilip ddili	\$	8.00	\$44,000
D. Equipment	and minaculation a oquipmont	0000		ΙΨ	0.001	Ψ++,000
1. Fixed			THE STATE OF THE S			\$0
<ol><li>Moveable</li></ol>						\$0
<b>ESTIMATED CONSTRUCTION COS</b>	STS	-				\$1,500,000
Items below may be calculated by percentag	e or lump sum. If using lump sum, make entr	rv in S field.				<b>\$1,000,000</b>
,,	s and p cannot be a series of the cannot be	, •				
DESIGN FEE	10 % (% of Estimate	ed Construction Co	sts)			\$150,000
PRECONSTRUCTION COSTS	0.5 % (% of Estimate			M@Risk1)	-	\$7,500
COMMISSIONING	0.5 % (0.5% simple;				-	\$7,500
SPECIAL INSPECTIONS/MATERIALS				,		\$15,000
SUSTAINABILITY		old, 2% LEED Silve	r)		-	\$0
					-	
ADVANCE PLANNING		ramming, feasibility				¢105.000
ADVANCE PLANNING	/º (% of Estimate	ed Construction Co	SIS)		<u> </u>	\$195,000
CONTINGENCIES	5 % (% of Estimate	ed Construction Co	sts [3% New	or 5% R&F	R])	\$75,000
ESTIMATED COSTS (% of Estimate	ed Construction Costs + Contingencies + De	esign Fee)				\$1,950,000
Escalation = percent per month multiplie	ed by number of months				-	
(From Est. Date to mid-point of constructi	on) = 15	5 months	0	% per mo	nth	
General Bldgs: 0-17 mos = 0%; 18-23 mos = .04%;	24-35 mos = .12%; 36-47 mos = .16%; 48-60 mos =	.18%		•		
The second secon						
Health Bidgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12		33%; 36-47 mos = .36%	6; 48-60 mos =	.38%		
ESCALATION COST INCREASE (Total	al of Estimated Costs x <b>Escalation %</b> )					\$0
TOTAL ESTIMATED PROJECT COS	STS (Estimated Costs + Escalation Cost Incr	rease)				\$1,950,000
1 , 100201090	Learning Costs + Established Cost IIICI	10436/				
APPROVED BY	Man-	TITLE University	Architact		DATE	12/22/15

(Governing Board or Agency Head)

Ins	stitution:	University	of North Carolina at 0		Planning Request: X				
	crease in Authorizati oject Title: West Su		to \$	_	Nev	v Capital Project*:			
Pro	oject Cost: Advanc	ed Planning	Request of \$650,000	(Total Project Co	st \$6,500,000)				
So	urce of Funds: Carr	v Forward F	Facilities & Administra	ative Receints (Ελ	& A )				
	this project has prevented. Co			ority, please ident	tify code/item nur	mber under which that			
			ct or capital construc	ction project, ple	ase provide the f	ollowing:			
1.	A detailed project	description a	and justification:		_	_			
	Project adds a sec west side of camp	ond electric us (across V fail safe ope	al substation to feed V.T. Harris). This is eration for research a	needed to provid	le redundancy to	our electrical source			
2.	An estimate of acq (a completed OC-2		nning, design, site dev	relopment, constru	action, contingend	ey 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	\$177,273	FY17 QTR 4	\$703,182	FY 18 QTR 3	\$1,755,000			
	FY17 QTR 2	\$177,273	FY18 QTR 1	\$1,755,000					
	FY17 QTR 3	\$177,273	FY 18 QTR 2	\$1,755,000					
4.	An estimated schee	dule for the c	completion of the proj	ect:					
	Design Start	7	/1/2016	Construction S	tart 6/1/20	17			
	Construction Comp	plete 3	/1/2018	Occupy	4/1/20	18			
5.			d operating costs and operation (Answer for			costs, including personnel,			
	Fiscal Year 2018	\$	500	Fiscal Year 20	21 \$ 5000	)			
	Fiscal Year 2019	\$	5000	Fiscal Year 20	212 \$ 5000	)			
	Fiscal Year 2020	\$	5000						
	Source of funds: Ir	nstitutional fu	unds						
6.	An estimate of rev (Answer for capita		•	from the project, o	covering the first	five years of operation			
	N/A								

7.	An explanation of the means of financing: If UNC Charlotte's FY16 carryforward is approved, a portion will be transferred to capital to fund advanced planning, and the majority of this project. Facilities & Administrative receipts will also be used as an additional source to supplement carryforward funds, or as an alternative source should carryforward not be approved.							

Form OC-25 (Rev 12/15)

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

PROJECT IDENTIFICATION: West		UNC Charlotte		D.	ATE:_	01/19/16
		West Substation Charlette, NC				
PRU	JECT CITY OF LOCATION:	Charlotte, NC				
		ATION: Project adds a second electrical substated and ancy to our electrical source which will insu				
or ma	n-made disasters.					
(Defir	nitions/explanations are provided on pg	2 to assist in completion of this form )				
	RENT ESTIMATED CONSTRUCT		QTY UNIT	COST PER UI	VIT	TOTAL
A.	<b>Duke Energy Substation Cost</b>	Ī	1 LS	\$ 1,150,00	00.00	\$1,150,000
B.	Site Preparation	_	<u>.</u>			
	1. Demolition	Γ				\$0
	2. UNC Charlotte substation sw	ritchyard	1 LS	\$ 1,000,00	00.00	\$1,000,000
C.	Construction	_	•			
	1. Utility Services (undergrour	nd 12.47 kV distribution - 4 circuits)	1 LS	\$ 3,500,00	00.00	\$3,500,000
	2. Building Construction (new	space)				\$0
	3. Building Construction (exist	ing)				\$0
	4. Plumbing (new space)	Ī				\$0
	5. HVAC (new space)					\$0
	6. Electrical (Includes TV & Ra	adio Studio)				\$0
	7. Fire Supression and Alarm	Systems				\$0
	8. Telephone, Data, Video					\$0
	<ol><li>Associated Construction Co</li></ol>	osts				\$0
	10. Other: FM Si	upport	1 LS	\$ 8,74	18.00	\$8,748
D.	Equipment	_				
	1. Fixed					\$0
	2. Moveable					\$0
EST	IMATED CONSTRUCTION COS	TS			L	\$5,658,748
Items	below may be calculated by percentage	or lump sum. If using lump sum, make entry	in \$ field.			
DEC	IGN FEE	10 % (% of Estimated	Construction Costs)		г	\$565,875
	CONSTRUCTION COSTS		Construction Costs [1% f	or CM@Dick1)	-	\$005,875
	MISSIONING		0% moderate; 1.5% comp		F	\$0 \$0
	CIAL INSPECTIONS/MATERIALS	0 % (0.5% simple, 1.		лех)	F	\$0 \$0
	TAINABILITY	0 % (3% LEED Gold			-	\$0 \$0
303	TAINADILITT	<u> </u>			-	Ψ0
۸۵۷	ANCE PLANNING		nming, feasibility, analysis Construction Costs)	3		\$56,587
			•		F	
CON	TINGENCIES	% (% of Estimated	Construction Costs [3% N	New <b>or</b> 5% R&R])	F	\$169,762
FST	MATED COSTS (% of Estimate	d Construction Costs + Contingencies + Des	ian Fee)			\$6,450,973
	lation = percent per month multiplie	G G	.9 33)		L	
	n Est. Date to mid-point of constructi	•	months 0	.04 % per month		
	•	; 24-35 mos = .12%; 36-47 mos = .16%; 48-60 mos		<u> </u>		
Hoalth	Pldge: 0.5 mag = 199/ · 4.11 mag = 22.9/ ·	12 17 mas = 26% · 10 22 mas = 20% · 24 25 mas	- 220/ · 26 17 mag = 240/ · 40	60 mas = 300/		
	•	12-17 mos = .26%; 18-23 mos = .29%; 24-35 mos = I of Estimated Costs x <b>Escalation</b> %)	3370, 30-47 HUS = .30%; 48	-0011100 = .30%	Г	\$49,027
LJU	UPTION COST INCLEASE (1019	i oi estillateu costs X <b>escalation %</b> )			L	Ψ47,027
TOT	AL ESTIMATED PROJECT COS	(Estimated Costs + Escalation Cost Incre	asal			\$6,500,000

Ins	stitution:	UNC Greensboro	Advance Planning Request: X
		ation from: \$ to \$\\$1,030,000 ale-Mendenhall Residence Hall Renovat	New Capital Project*:
Pro	oject Cost: <u>\$1,030</u>	,000 Advanced Planning	
So	urce of Funds:	Housing Receipts	
		reviously had advance planning authority Code Item	, please identify code/item number under which that
Fo	r each advance p	anning project or capital construction	project, please provide the following:
1.	A detailed project	et description and justification:	
	and electrical sys	stems to meet current standards, replace	1950. The renovation will provide new mechanical exterior windows for improved energy efficiency, and interior finishes throughout the
2.		equisition, planning, design, site develor tal construction only and include a comp	ment, construction, contingency and other related costs pleted OC-25 form)
	Attached		
3.	An estimated sch construction only	•	e life of the project by FY quarters (Answer for capital
4.	An estimated sch	nedule for the completion of the project:	
		on: May 2016. e: January 2018. action completion: July 2019.	
5.		naintenance and operating costs and sour five years of operation (Answer for cap	ce of funding to support these costs, including personnel ital construction only):
6.		evenues, if any, likely to be derived from tal construction only):	the project, covering the first five years of operation
7.	An explanation of	of the means of financing:	
	Housing Receipt	3	

Form OC-25 (Rev 05/12)

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

	RTMENT and DIVISION: ECT IDENTIFICATION:	UNC Greensboro DATE: 02/2 Ragsdale Mendenhall Residence Hall Renovation					02/12	/16	
PROJECT CITY or LOCATION: Greensboro, NC									
	ECT DESCRIPTION & JUSTIFICATION		nhall Docidono	o Hall was cons	tructed in 1	950 Th	ropovation wil	Lprovido	now
	nical and electrical systems to meet								Hew
	ng the modernization of the existing of					y omoror	io), ribri apgia	400	
	g		mondo un dag.	.out the Dunaning					-
(Definiti	ons/explanations are provided on pg 2 to	assist in completion of	this form.)						
	ENT ESTIMATED CONSTRUCTION	COST		QTY	UNIT	COS	T PER UNIT		TOTAL
A.	Land Requirement								\$0
B.	Site Preparation								4000 700
	1. Demolition			79500		\$	3.00		\$238,500
C.	2. Site Work (Hardscape/ Landsca	iping)		1	LS	\$	70,000.00		\$70,000
C.	Construction				1.0	1 6	475 000 00		A475 000
	<ol> <li>Utility Services (chilled water tie</li> <li>Building Construction (interior r</li> </ol>			79500	LS	\$	475,000.00 20.00		\$475,000 \$1,590,000
	<ol> <li>Building Construction (interior r</li> <li>Building Construction (window)</li> </ol>			278		\$	1,750.00		\$486,500
	Plumbing (Bedroom Sinks)	replacement complete	<del>5</del> )	79500		\$	5.00		\$397,500
	5. HVAC (Pumps, FCU's, controls	1		79500		\$	32.00		\$2,544,000
	6. Electrical	) <i> </i>		79500		\$	21.00		\$1,669,500
	7. Fire Suppression and Alarm Sy	stems (Dampers/		79500		\$	1.00		\$79,500
	8. Telephone, Data, Video	, , , ,							\$0
	9. Associated Construction Costs				75				\$0
	10. Other: Elevator		_		LS	\$	150,000.00		\$150,000
	STATE OF THE STATE	atement/ Clearance		1	LS	\$	250,000.00		\$250,000
D.	Equipment		(2)						
	1. Fixed								\$0
FOTIL	2. Moveable (Bedroom Furniture)			322	EA	\$	1,750.00		\$563,500
	ATED CONSTRUCTION COSTS			ocational constru					\$8,514,000
Items be	low may be calculated by percentage or lu	mp sum. If using lump s	um, make entry ir	ı \$ field.					
CONTI	NGENCIES	5 %	(% of Estimate	d Construction Co	osts (3% Nev	v or 5% F	R&R1 )		\$425,700
DESIG	HEY MONTH ON THE	10 %		d Construction Co		. 0. 0,01	·~· · · · / /		\$893,970
	DNSTRUCTION COSTS			timated Construction Costs [1% for CM@Risk] )					\$0
	ISSIONING	%		ple; 1.0% moderate; 1.5% complex)					
	AL INSPECTIONS/MATERIALS		(			,			
	NG/GEOTECHNICAL	%	(1.25% estimat	ed)					\$0
CLICTA	INABILITY	%	, (20) LEED Cal.	d, 2% LEED Silve	(e)				\$0
3031A	IIIVADILITT -			amming, feasibility					- 40
ADVAN	ICE PLANNING	1 %		d Construction Co			8		\$85,140
ESTIM	ATED COSTS (% of Estimated Co	onstruction Costs + Con	tingencies + Des	ign Fee)					\$9,918,810
Escalat	ion = percent per month multiplied by	number of months		,			e.		
	st. Date to mid-point of construction) =		32	months	0.12	2 % per	month		
General B	ldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-35 i	mos = .12%; 36-47 mos = .16	5%; 48-60 mos = .18	3%					
	lgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17 m			%; 36-47 mos = .36%	; 48-60 mos = .	38%	Ÿ		e200.000
	ATION COST INCREASE (Total of E	stimated Costs x Esca	lation %)						\$380,882
PARKII	NG REPLACEMENT COST								\$0
TOTAL	ESTIMATED PROJECT COSTS	(Astimated Costs + Esc	alation Cost Increa	ase)			Ì		\$10,299,692
	. 17	/1		ociate Vice C	Chancello	or for F	acilities		1 11 201.
APPROV	ED BY: Governing Board or Agen	cy Head)	TITLE					DATE	7.11.6016

Inst	itution: NC State Un	iversity		Advance Planning Request:  New Capital Project*:			
	rease in Authorization from: \$ <u>47</u> ject Title: Murphy Center Locke		<u>)</u>	New Capital Project .			
Pro	ject Cost: 200,000 Increase (Tota	l project cost \$67	2,000 including p	reviously approved \$472,000)			
Sou	arce of Funds: Athletics Receipts						
	this project has previously had ad hority is carried. Code <u>41524</u> Iten		ithority, please ide	entify code/item number under which that			
For	each advance planning project	or capital const	ruction project, p	lease provide the following:			
1.	A detailed project description and	d justification:					
	This project renovates the team lockers. The increase in funding			vith updated flooring, wall finishes, and sts exceeding estimated cost.			
2.	An estimate of acquisition, plann (a completed OC-25 form)	ing, design, site d	levelopment, cons	truction, contingency and other related costs			
	See attached OC-25.						
3.	An estimated schedule of cash floconstruction only):	ow requirements	over the life of the	project by FY quarters (Answer for capital			
	<u>Q1</u> FY 2016	Q2 \$41,044	Q3 \$235,435	<u>Q4</u> \$395,521			
4.	An estimated schedule for the co	mpletion of the p	roject:				
	Design Start: 9/1/15 De Construction Start: 12/18/15 Co	sign Complete: 1 nstruction Compl					
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, language (Answer for capital construction	•	ed from the project	t, covering the first five years of operation			
	No revenues are expected to be d	erived from this p	oroject.				
7.	An explanation of the means of f	inancing:					
	Athletics receipts are financing the	nis 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)

DEP	ARTMENT and DIVISION:	North Carolina Sta	ate Universit	у			DATE:	01/04/16
PROJECT IDENTIFICATION: Murphy Center Locker Room Upgrades								
PROJECT CITY or LOCATION: Raleigh - West Campus Precinct								
PRO	JECT DESCRIPTION & JUSTIFICAT	TION: (Attach add'l data as	s necessary to	indicate need, size, fo	unction of impro-	vements a	s well as a master pla	ın.)
	project renovates the team locker ro							
1								
	nitions/explanations are provided on pg 2 RENT ESTIMATED CONSTRUCTIO		f this form.)	QTY	UNIT	COS	T PER UNIT	TOTAL
A.	Land Requirement							\$0
B.	Site Preparation							
	<ol> <li>Demolition</li> </ol>							\$0
	<ol><li>Site Work</li></ol>							\$0
C.	Construction							
	<ol> <li>Utility Services</li> </ol>							\$0
	<ol><li>Building Construction (existin</li></ol>	• , ,			1 lump sum	\$	135,435.00	\$135,435
	<ol><li>Building Construction (new sp</li></ol>							\$0
	<ol><li>Plumbing (new &amp; existing spa</li></ol>							\$0
	5. HVAC (new & existing space)					-		\$0
	6. Electrical (new & existing spa					-		\$0 \$0
	<ol> <li>Fire Supression and Alarm Sy</li> <li>Telephone, Data, Video (exist</li> </ol>		space)		-	+		\$0
	<ol> <li>Telephone, Data, Video (exis</li> <li>Associated Construction Cost</li> </ol>				+	<del>                                     </del>		\$0
	10. Other:	1.5				<del>                                     </del>		\$0
D.	Equipment		<del>-</del> ,			J.,		
Ο.	Fixed (lockers)				1 lump sum	\$	485,517.00	\$485,517
	2. Moveable							\$0
EST	MATED CONSTRUCTION COSTS	3						\$620,952
Items	below may be calculated by percentage or	lump sum. If using lump	sum, make er	ntry in \$ field.				
DES	GN FEE	%	(% of Estima	ated Construction (	Costs)			\$20,000
	CONSTRUCTION COSTS			ated Construction (		CM@Risk	(I)	\$0
	MISSIONING			e; 1.0% moderate;			"	\$0
	CIAL INSPECTIONS/MATERIALS	%	(1.25% estir	mated)				\$0
	<b>FAINABILITY</b>			Gold, 2% LEED Silv	ver)			\$0
ADV	ANCE PLANNING	%		gramming, feasibil ated Construction (				\$0
	TINGENCIES	5 %	(% of Estima	ated Construction (	Costs [3% Nev	v <b>or</b> 5% F	R&R])	<sup>*</sup> \$31,048
ESTI	MATED COSTS (% of Estimated 0	Construction Costs + Cor	ntingencies +	Design Fee)				\$672,000
	ation = percent per month multiplied		itingonoloo i	200.g.: : 00)			_	
	Est. Date to mid-point of construction)			6 months	0	% per r	month	
61	I Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-3		16%; 48-60 mos	= .18%		- '		
	Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17			= .33%; 36-47 mos = .3	36%; 48-60 mos =	= .38%	Г	\$0
	ALATION COST INCREASE (Total o						<u></u>	\$0 \$672,000
1017	AL ESTIMATED PROJECT COSTS	S (Estimated Costs + Es	calation Cost Ir	ncrease)				
APPF	ROVED BY: Governing Board or Age	ncy Head)	_	TITLE Universit	ty Architect		<u>DA</u>	TE 1.5.16