8. Authorization of Capital Improvements Projects – ECU, NCSU, UNC-CH, UNCC, and UNCG ..... Will Johnson

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.

ECU – Biotechnology Building Elevator Modernization: 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.

ECU – Replace Steam and Condensate at College Hill Area: 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.

ECU – Joyner Library Roof Replacement: 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.

ECU – Main Campus Switch Replacement: 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.

ECU – College Hill and Minges Stormwater Relining: 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.

ECU – Replace Steam and Condensate Lines at Mendenhall, North Side: 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 carry-forward funds, and will be completed by May 2017.

NCSU – Talley Retail Upfit – Suite 2260: 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.

UNC-CH – Men's Locker Room Renovation at the Smith Center: 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.

UNCC – 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.

UNCC – Admissions Center: 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.

UNCG – Renovations to 1510 Walker Avenue: 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.

Authorization for Advance Planning of New Capital Improvements Projects – ECU, NCSU, UNCC, and UNCG

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.

ECU – Brody Building High Rise Code Study: 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.

ECU – Mendenhall Catering Kitchen Renovation: 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.

NCSU – Murphy Center Media Center Renovation: 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.

UNCC – West Substation: 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.

UNCG – Ragsdale-Mendenhall Residence Hall Renovation: 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.

Authorization to Increase the Scope of a Capital Improvements Projects – NCSU

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.

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

Institution: East Carolina University Advance Planning Request: ____

Increase in Authorization from: $ 0 to $ 321,000 New Capital Project*: X

Project Title: Biotechnology Building Elevator Modernization

Project Cost: $ 321,000

Source of Funds: 2014- 2015 Carry Forward Funds

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

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

1. A detailed project description and justification:

   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.

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

Form OC-25
(Rev 09/14)

DEPARTMENT and DIVISION: East Carolina University DATE: Jan 12 2016
PROJECT IDENTIFICATION: Biotechnology Building Elevator Modernization
PROJECT CITY or LOCATION: Greenville - Pitt County

PROJECT DESCRIPTION & 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. Project design approved through construction documents May 2014. SCO Code refresh submittal now required.

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

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				
B. Site Preparation				
1. Demolition	1200	Sf	$ 20.00	$ 24,000
2. Site Work				
C. Construction				
1. Utility Services				
2. Building Construction (new space)				
3. Building Construction (Renovation at Machine Rm and Halls)	250	Sf	$ 50.00	$ 12,500
4. Plumbing (new space)				
5. HVAC (Add split-system A/C for Machine Rm)	250	Sf	$ 70.00	$ 17,500
6. Electrical (Upgrade panel for Emergency Generator Connection)	1200	Sf	$ 35.00	$ 42,000
7. Fire Supression& Alarm Systems				
8. Telephone, Data, Video				
9. Associated Construction Costs				
10. Other:				
D. Equipment				
1. Fixed (Two Elevator Modernization Packages)	2	ea	$ 95,000	$ 190,000
2. Moveable				
ESTIMATED CONSTRUCTION COSTS				$ 286,000

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

DESIGN FEE	3 %	(% of Estimated Construction Costs)	$ 8,580
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)	
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	$ 14,300
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$ 308,880

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-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 %; 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 %) $ 12,046

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) $ 320,926

APPROVED BY: _____ TITLE _____ DATE _____
(Governing Board or Agency Head)

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

Institution: East Carolina University

Advance Planning Request: ____
New Capital Project*: X

Increase in Authorization from: $ 0 to $ 1,000,000

Project Title: Replace Steam & Condensate at College Hill Area

Project Cost: $1,000,000

Source of Funds: 2014- 2015 Carry Forward

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

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

1. A detailed project description and justification:

   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 pre-engineered, 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

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

Form OC-25
(Rev 09/14)

DEPARTMENT and DIVISION: East Carolina University DATE: 01/15/16
PROJECT IDENTIFICATION: Replace Steam & Condensate at College Hill Area
PROJECT CITY or LOCATION: Greenville, NC

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

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 pre-engineered, pre-insulated double jacketed system for energy efficient distribution of steam & condensate.

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

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$ -
B. Site Preparation				
1. Demolition - Existing steam & ACM removal	600	LF	$ 80	$ 48,000
2. Site Work - Includes 6.5 ft deep by 600 LF trench excavation, dewatering, shoring, concrete vault installation, non-steam utility re-work & site restoration including landscaping	145	YDS	$ 400	$ 58,000
C. Construction				
1. Utility Services - Temp above grade steam line	200	LF	$ 100	$ 20,000
2. Building Construction (new space)				$ -
3. Building Construction (existing)				$ -
4. Plumbing (new space)				$ -
5. HVAC (new space) - New Steam & Condensate	324	LF	$ 2,234	$ 723,816
6. Electrical (Includes TV & Radio Studio) - Sump pump power	2	EA	$ 3,500	$ 7,000
7. Fire Supression and Alarm Systems			$ -	$ -
8. Telephone, Data, Video				$ -
9. Associated Construction Costs				$ -
10. Other:				$ -
D. Equipment				
1. Fixed				$ -
2. Moveable				$ -
ESTIMATED CONSTRUCTION COSTS				$ 856,816

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)	$ 85,682
PRECONSTRUCTION COSTS	%	(% of Estimated Construction Costs [1% for CM@Risk])	$ -
COMMISSIONING	%	(0.5% simple; 1.0% moderate; 1.5% complex)	$ -
SPECIAL INSPECTIONS/MATERIALS	0.75 %	(1.25% estimated)	$ 6,426
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	$ -
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$ -
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	$ 42,841
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$ 991,765

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 19 months 0.04 % 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 %)	$ 7,537
TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase)	$ 1,000,000

APPROVED BY: _____ TITLE _____ DATE _____

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

Institution: East Carolina University

Advance Planning Request: ____
New Capital Project*: x

Increase in Authorization 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

*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)

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

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

ESTIMATED COSTS (Estimated Construction Costs + Design Fee + Preconstruction + Commissioning + Special + Sustainability + Advance Planning + Contingencies) **$1,637,010**

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 APPROVED: 01/19/2016

CERTIFICATION

The State Construction Office in accordance with GS 143-341(3) certifies the feasibility of this Statement of Need pursuant to GS 143-6

Signature Victor Stegall Date: 01/19/2016

COMMENTS:

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

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

Institution: East Carolina University

Advance Planning Request: ____
New Capital Project*: X

Increase in Authorization from: $_____ to $_____

Project Title: Main Campus Switch Replacement SS#18 & SS#16A

Project Cost: $329,295

Source of Funds: 2014 -2015 Carry Forward Funds

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

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

1. A detailed project description and justification:

   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):

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

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

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

Form OC-25
(Rev 09/14)

DEPARTMENT and DIVISION: East Carolina University DATE: 01/14/16
PROJECT IDENTIFICATION: Main Campus Switch Replacement SS#18 & SS#16A
PROJECT CITY or LOCATION: Greenville, NC

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

Both of 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 the Student Union project, which is under construction at this time.

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

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$ -
B. Site Preparation				
1. 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. Utility Services				$ -
2. Building Construction (new space)				$ -
3. Building Construction (existing)				$ -
4. Plumbing (new space)				$ -
5. HVAC (new space)				$ -
6. Electrical Equipment	2	EA	$ 100,000	$ 200,000
7. Electrical Cable	900	LF	$ 50	$ 45,000
8. Telephone, Data, Video				$ -
9. Associated Construction Costs				$ -
10. Other:				$ -
D. Equipment				
1. Fixed				$ -
2. Moveable				$ -
ESTIMATED CONSTRUCTION COSTS				$ 285,104

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)	$ 28,510
PRECONSTRUCTION COSTS	%	(% of Estimated Construction Costs [1% for CM@Risk])	$ -
COMMISSIONING	%	(0.5% simple; 1.0% moderate; 1.5% complex)	$ -
SPECIAL INSPECTIONS/MATERIALS	0.5 %	(1.25% estimated)	$ 1,426
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	$ -
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$ -
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	$ 14,255
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$ 329,295

Escalation = percent per month multiplied by number of months
(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 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 %) $ -

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

Institution: East Carolina University

Advance Planning Request: ____
New Capital Project*: X

Increase in Authorization from: $0 to $376,000

Project Title: College Hill and Minges Storm Water Relining

Project Cost: $376,000

Source of Funds: 2014 - 2015 Carry Forward Funds

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

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

1. A detailed project description and justification:

   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 lot for repairs. Pipe relining has already successfully been used on campus.

2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs: $376, 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
FY2015				$21,500
FY2016	$2,500	$110,000	$145,000	$97,000

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): No revenues anticipated.

7. An explanation of the means of financing:

   2014-2015 Carry Forward Funds

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

Form OC-25
(Rev 09/14)

DEPARTMENT and DIVISION: East Carolina University DATE: 01/21/16
PROJECT IDENTIFICATION: College Hill and Minges Storm Water Relining
PROJECT CITY or LOCATION: Greenville

PROJECT DESCRIPTION & JUSTIFICATION: Approximately 400 linear feet of storm water on College Hill and 640 linear feet of pipe in the Minges parking lot have failed in various places. There is a hole in the Minges parking lot from one of the failures. The project scope is to re-line the pipe and thus avoid closing down large areas of heavily used campus roadway and parking lot for repairs.

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

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$ -
B. Site Preparation				
1. Demolition				$ -
2. Site Work - repair two pipe junction boxes	2	ea	$ 4,000	$ 8,000
C. Construction				
1. Utility Services - Re-line 640 LF 42" and 48" RCP	640	LF	$ 300	$ 192,000
2. Utility Services - Re-line 400 LF 36" RCP	400	LF	$ 250	$ 100,000
3. Building Construction (existing)				$ -
4. Plumbing (new space)				$ -
5. HVAC (new space)				$ -
6. Electrical (Includes TV & Radio Studio)				$ -
7. Fire Supression and Alarm Systems				$ -
8. Telephone, Data, Video				$ -
9. Associated Construction Costs - Clean and camera pipe	640	LF	$ 41	$ 26,240
10. Other:				$ -
D. Equipment				
1. Fixed				$ -
2. Moveable				$ -
ESTIMATED CONSTRUCTION COSTS				$ 326,240

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)	$ 32,624
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)	$ -
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$ -
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	$ 16,312
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$ 375,176

Escalation = percent per month multiplied by number of months
(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 mos = .16%; 48-60 mos = .18%

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

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

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) $ 375,176

APPROVED BY: _____ TITLE _____ DATE _____
(Governing Board or Agency Head)

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

Institution: East Carolina University

Advance Planning Request: _____
New Capital Project*: X

Increase in Authorization from: $0 to $1,140,000

Project Title: Replace Chilled Water Service and Repair HVAC System in McGinnis, Messick and Speight

Project Cost: $1,140,000

Source of Funds: 2014-2015 Carry Forward Funds

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

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

1. A detailed project description and justification:

   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.

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

Form OC-25
(Rev 09/14)

DEPARTMENT and DIVISION: East Carolina University, FEAS DATE: 02/02/16
PROJECT IDENTIFICATION: Replace Chilled Water Service and Repair HVAC System in McGinnis, Messick and Speight
PROJECT CITY or LOCATION: Greenville

PROJECT DESCRIPTION & JUSTIFICATION: Chillers in Messick/McGinnis (combined) and Speight are old and very problematic. Increased energy efficiency, greater redundant capacity and less cost can be achieved by connecting all three buildings to the campus chill water loop instead of replacing existing chillers. Speight steam and condensate lines are also problematic and need to be replaced.

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

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$ -
B. Site Preparation				
1. Demolition -abandoned electrical lines and vault	1	LS	$ 20,000	$ 20,000
2. Site Work - grading, re-paving, install sidewalks	1	LS	$ 135,000	$ 135,000
2. Site Work - paver re-installation	2500	Sq. Ft.	$ 8	$ 20,000
C. Construction				
1. Utility Services - chill water line installation	910	Linear Ft.	$ 291	$ 264,810
2. Utility Services - Steam and Conden. replacement -Speight	205	Linear Ft.	$ 925	$ 189,625
3. Building Construction (existing)				$ -
4. Plumbing (new space)				$ -
5. HVAC (Repairs)	1	LS	$ 177,000	$ 177,000
6. Electrical (Re-route of elect. Loop for chill water access to Speight)	1	LS	$ 110,000	$ 110,000
7. Fire Supression and Alarm Systems				$ -
9. Associated Construction Costs	1	LS	$ 75,000	$ 75,000
D. Equipment				
1. Fixed				$ -
ESTIMATED CONSTRUCTION COSTS				$ 991,435

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)	$ 99,144
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)	$ -
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$ -
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	$ 49,572
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$ 1,140,150

Escalation = percent per month multiplied by number of months

(From Est. Date to mid-point of construction) = 12 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 %) $ -

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) $ 1,140,000

APPROVED BY: John G Fields, PE TITLE: Capital Projects Coordinator DATE: 02-02-16
(Governing Board or Agency Head)

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

Institution: East Carolina University

Advance Planning Request: ____
New Capital Project*: X

Increase in Authorization from: $ 0 to $ 520,000

Project Title: Replace Steam and Condensate Lines at Mendenhall, North Side

Project Cost: $520,000

Source of Funds: 2014- 2015 Carry Forward Funds

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

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

1. A detailed project description and justification:

   Steam and condensate lines on the north side of Mendenhall Student Center 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.

2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs

   $520,000 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			$5,000	$30,000
FY2017	$80,000	$100,000	$150,000	$120,000
FY2018	$35,000			

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

   Construction is estimated to start October, 2016 and finish 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):

   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.

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

Form OC-25
(Rev 09/14)

DEPARTMENT and DIVISION: East Carolina University, FEAS DATE: 01/11/16
PROJECT IDENTIFICATION: Replace Steam and Condensate Lines at Mendenhall, North Side.
PROJECT CITY or LOCATION: Greenville

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.)

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$ -
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
C. Construction				
1. Utility Services - Steam and Condensate line installation (pre-engineered, insulated jacketed steam pipe)	$ 241	Linear Ft.	$ 950	$ 228,950
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)	$ 1	LS	$ 30,000	$ 30,000
D. Equipment				
1. Fixed				$ -
2. Moveable				$ -
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])	$ -
COMMISSIONING	%	(0.5% simple; 1.0% moderate; 1.5% complex)	$ -
SPECIAL INSPECTIONS/MATERIALS	%	(1.25% estimated)	$ -
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	$ -
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$ -
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	$ 22,608
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 %) $ -

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) $ 519,973

APPROVED BY: John G Fields, PE TITLE: Capital Projects Coordinator DATE: 01-11-16

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

Institution: NC State University

Advance Planning Request: _____
New Capital Project*: X

Increase in Authorization from: $_____ to $_____

Project Title: Talley Retail Upfit – Suite 2260

Project Cost: $450,000

Source of Funds: Campus Enterprises Receipts

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

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

1. A detailed project description and justification:

   This interior upfit project in Talley Student Union renovates approximately 2400 ft^2 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.

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

   See attached OC-25.

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

	1Q	2Q	3Q	4Q
FY2016:				$27,333
FY2017:	$342,650	$80,017		

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

   Design Start: 3/08/16 Design Complete: 5/02/16
   Construction Start: 6/06/16 Construction Complete: 8/08/16

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):

   Campus Enterprises anticipates net revenue of $150,000 per year for the first five years of operation.

7. An explanation of the means of financing:

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

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

Form OC-25
(Rev 05/12)

DEPARTMENT and DIVISION: North Carolina State University DATE: 11/20/15
PROJECT IDENTIFICATION: Talley Retail Upfit (2260 suite)
PROJECT CITY or LOCATION: Raleigh - Central Campus Precinct

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

This interior project in Talley Student Union, upfits approximately 2400 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.

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

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$0
B. Site Preparation				
1. Demolition				
2. Site Work				$0
C. Construction				
1. Utility Services				$0
2. Building Construction (new space)				$0
3. Building Construction (existing)	2400	SF	$ 140.00	$336,000
4. Plumbing (new & existing space)				$0
5. HVAC (new & existing space)				$0
6. Electrical (new & existing space)	2400	SF	$ 5.00	$12,000
7. Fire Supression and Alarm Systems (new & existing space)				$0
8. Telephone, Data, Video (new & existing space)	1	lump sum	$ 27,000.00	$27,000
9. Associated Construction Costs	1	lump sum	$ 6,431.00	$6,431
10. Other: Security Access Technologies	1	lump sum	$ 6,500.00	$6,500
D. Equipment				
1. Fixed				$0
2. Moveable				$0
ESTIMATED CONSTRUCTION COSTS				**$387,931**

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)	$38,793
PRECONSTRUCTION COSTS	1 %	(% of Estimated Construction Costs [1% for CM@Risk])	$3,879
COMMISSIONING	%	(0.5% simple; 1.0% moderate; 1.5% complex)	$0
SPECIAL INSPECTIONS/MATERIALS	%	(1.25% estimated)	$0
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	$0
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$0
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New **or** 5% R&R])	$19,397
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$450,000

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 12 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 %**) $0

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) **$450,000**

APPROVED BY: Lina J. Ma TITLE University Architect DATE 11/20/15
(Governing Board or Agency Head)

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

Institution: The University of North Carolina at Chapel Hill

Advance Planning Request _____
New Capital Project*: x

Increase in Authorization from: $ 0 to $4,208,103

Project Title: Men's Locker Room Renovation at the Smith Center

Project Cost: $4,208,103

Source of Funds: Educational Foundation Funds

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

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

1. Provide detailed description and justification:
   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 work is 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
PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT
BIENNIUM 2015 - 2017

Form OC-25
(Rev 09/14)

DEPARTMENT and DIVISION: The University of North Carolina at Chapel Hill DATE: 01/25/16
PROJECT IDENTIFICATION: Mens Locker Room Renovation at the Smith Center
PROJECT CITY or LOCATION: Chapel Hill, North Carolina

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

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 work is approximately 12,000 square feet.

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

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$0
B. Site Preparation				
1. Demolition	12000	SF	$ 5.00	$60,000
2. Site Work				$0
C. Construction				
1. Utility Services				$0
2. Building Construction (new space)				$0
3. 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	SF	$ 20.00	$240,000
7. Fire Supression and Alarm Systems	12000	SF	$ 8.00	$96,000
8. Telephone, Data, Video	12000	SF	$ 3.00	$36,000
9. Associated Construction Costs				$0
10. Other:				$0
D. Equipment				
1. Fixed	1	LS	$ 80,000.00	$80,000
2. Moveable	1	LS	$ 125,000.00	$125,000
ESTIMATED CONSTRUCTION COSTS				**$3,589,000**

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)	$358,900
PRECONSTRUCTION COSTS	0.25 %	(% of Estimated Construction Costs [1% for CM@Risk])	$8,973
COMMISSIONING	0.5 %	(0.5% simple; 1.0% moderate; 1.5% complex)	$17,945
SPECIAL INSPECTIONS/MATERIALS	%	(1.25% estimated)	$0
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	$0
ADVANCE PLANNING	1.5 %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$53,835
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New **or** 5% R&R])	$179,450
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$4,208,103

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = _____ 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 %**) $0

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) **$4,208,103**

APPROVED BY: _____ TITLE _____ DATE 1.28.16
(Governing Board or Agency Head)

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

Institution: University of North Carolina at Charlotte

Advance Planning Request: ____
New Capital Project*: X

Increase in Authorization from: $_____ to $_____

Project Title: Campus Circulation Improvements

Project Cost: $1,000,000

Source of Funds: Facilities & Administrative Receipts (F&A)

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

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

1. A detailed project description and justification:

   This project will 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 JW 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 in the summer of 2017.

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

   Attached

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

FY16 QTR 3	$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 schedule for the completion of the project:

Design Start	3/10/2016	Construction Start	11/1/2016
Construction Complete	8/1/2017		

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):

   N/A

7. An explanation of the means of financing:

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

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

Form OC-25
(Rev 12/15)

DEPARTMENT and DIVISION: UNC Charlotte DATE: 01/19/16
PROJECT IDENTIFICATION: Campus Circulation Improvements
PROJECT CITY or LOCATION: Charlotte, NC

PROJECT DESCRIPTION & JUSTIFICATION: 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 JW 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 in the summer of 2017.

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

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$0
B. Site Preparation				
1. Demolition	1	LS	$ 75,000.00	$75,000
2. Site Work	1	LS	$ 732,878.00	$732,878
C. Construction				
1. Utility Services				$0
2. Building Construction (new space)				$0
3. Building Construction (existing)				$0
4. Plumbing (new space)				$0
5. HVAC (new space)				$0
6. Electrical (Includes TV & Radio Studio)	1	LS	$ 20,000.00	$20,000
7. Fire Supression and Alarm Systems				$0
8. Telephone, Data, Video	1	LS	$ 20,000.00	$20,000
9. Associated Construction Costs				$0
10. Other: Project Support	1	LS	$ 5,000.50	$5,001
D. Equipment				
1. Fixed				$0
2. Moveable				$0
ESTIMATED CONSTRUCTION COSTS				$852,879

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)	$85,288
PRECONSTRUCTION COSTS	0 %	(% of Estimated Construction Costs [1% for CM@Risk])	$0
COMMISSIONING	0 %	(0.5% simple; 1.0% moderate; 1.5% complex)	$0
SPECIAL INSPECTIONS/MATERIALS	1.25 %	(1.25% estimated)	$10,660.98
SUSTAINABILITY	0 %	(3% LEED Gold, 2% LEED Silver)	$0
ADVANCE PLANNING	1 %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$8,529
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	$42,644
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$1,000,000

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 12 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%

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

Institution: University of North Carolina at Charlotte

Advance Planning Request: ____
New Capital Project*: X

Increase in Authorization from: $_____ to $_____

Project Title: Admissions Center

Project Cost: $8,000,000.

Source of Funds: Non-General Funds (Unrestricted funds in the Endowment pool)

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code 41526 Item 302

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

1. A detailed project description and justification:

   This project is to construct 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 space limitations. Current information session meeting room 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.

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

   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 QTR 2	$1,815,384
FY16 QTR 3	$184,666	FY17 QTR 3	$1,210,256	FY 18 QTR 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 schedule for the completion of the project:

Design Start	11/1/2015	Construction Start	2/1/2017
Construction Complete	2/1/2018	Occupy	4/1/2018

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):

Fiscal Year 2018	$131,177	Fiscal Year 2021	$239,623
Fiscal Year 2019	$239,623	Fiscal Year 2022	$239,623
Fiscal Year 2020	$239,623		

   Source of funds: Institutional funds

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.

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)

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

DEPARTMENT and DIVISION: UNC Charlotte DATE: 08/25/15
PROJECT IDENTIFICATION: Admissions and Visitors Center
PROJECT CITY or LOCATION: Charlotte

PROJECT DESCRIPTION & JUSTIFICATION: This project is to 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 space limitations. Current information session meeting room 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 is projected to be approximately 20,000 square feet and will be located in the South Village area of campus near the main entrance.

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$0
B. Site Preparation				
1. Demolition	1	LS	$ 8,000.00	$8,000
2. Site Work	20000	SF	$ 48.00	$960,000
C. Construction				
1. Utility Services	20000	SF	$ 1.10	$22,000
2. Building Construction (new space)	20000	SF	$ 218.00	$4,360,000
3. Building Construction (existing)				$0
4. Plumbing (new space)	20000	SF	$ 13.00	$260,000
5. HVAC (new space)	20000	SF	$ 20.00	$400,000
6. Electrical (Includes TV & Radio Studio)	20000	SF	$ 15.00	$300,000
7. Fire Supression and Alarm Systems	20000	SF	$ 2.00	$40,000
8. Telephone, Data, Video	20000	SF	$ 5.00	$100,000
9. Associated Construction Costs				$0
10. Other: FM Support	1	LS	$ 23,864.00	$23,864
D. Equipment				
1. Fixed	20000	SF	$ 3.50	$70,000
2. Moveable	20000	SF	$ 3.00	$60,000
ESTIMATED CONSTRUCTION COSTS				$6,603,864

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)	$660,386
PRECONSTRUCTION COSTS	0 %	(% of Estimated Construction Costs [1% for CM@Risk])	$0
COMMISSIONING	0.5 %	(0.5% simple; 1.0% moderate; 1.5% complex)	$33,019
SPECIAL INSPECTIONS/MATERIALS	1.25 %	(1.25% estimated)	$82,548.30
SUSTAINABILITY	2 %	(3% LEED Gold, 2% LEED Silver)	$132,077
ADVANCE PLANNING	1 %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$66,039
CONTINGENCIES	3 %	(% of Estimated Construction Costs [3% New or 5% R&R])	$198,116
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$7,776,050

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 24 months 0.12 % 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 Construction Costs x Escalation %)	$223,950
TOTAL ESTIMATED PROJECT COSTS (Estimated Construction Costs + Escalation Cost Increase)	$8,000,000

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

Institution: UNC Greensboro

Advance Planning Request: ____
New Capital Project*: X

Increase in Authorization from: $ 500,000 to $ 7,523,000
Project Title: Renovations to 1510 Walker Avenue

Project Cost: $7,523,000

Source of Funds: Primarily Facilities & Administrative Cost Reimbursement plus Non-General fund balances

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code 41325 Item 305

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

1. A detailed project 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.

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

Form OC-25
(Rev 05/12)

DEPARTMENT and DIVISION: UNC Greensboro — DATE: 02/01/16
PROJECT IDENTIFICATION: 1510 Walker Avenue & Coleman Building Renovation
PROJECT CITY or LOCATION: Greensboro, NC

PROJECT DESCRIPTION & JUSTIFICATION: Interior Renovation at 1510 Walker Ave. (Existing SRC) and 1408 Waker Ave. (Coleman Building) for the UNCG Middle College, Dance, HHS Depts. and Intercollegiate Athletics, to meet accreditation requirements and enrolment growth.

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

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$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 Renov.)	46434	SF	$ 30.00	$1,393,020
3. Building Construction (Moderate Renov.)	14675	SF	$ 90.00	$1,320,750
4. Building Construction (Heavy Renov.)	14895	SF	$ 125.00	$1,861,875
5. Building Construction (1408 Walker Addition/ New 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
9. Electrical (Low Voltage work not in SF Cost)	12970	SF	$ 10.00	$129,700
10. Fire Suppression and Alarm Systems				$0
11. Telephone, Data Network, Video	1	LS	$ 150,000.00	$150,000
12. Associated Construction Costs (GC, Bonds & Ins.)	1	LS	$ 450,000.00	$450,000
13. Other: Asbestos Abate./ Air Monitor	44318	SF	$ 4.00	$177,272
14. Other: Reserve / Fire Alarm Allow.	1	LS	$ 300,000.00	$300,000
15. Other: Moving Costs	1	LS	$ 50,000.00	$50,000
D. Equipment				
1. Fixed (Projectors, Screens, Classroom. Tech.)	1	LS	$ 100,000.00	$100,000
2. Moveable				$0
ESTIMATED CONSTRUCTION COSTS				**$6,404,812**

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

CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New **or** 5% R&R])	$320,241
DESIGN FEE	10 %	(% of Estimated Construction Costs)	$672,505
PRECONSTRUCTION COSTS	%	(% of Estimated Construction Costs [1% for CM@Risk])	$0
COMMISSIONING	%	(0.5% simple; 1.0% moderate; 1.5% complex)	$0
SPECIAL INSPECTIONS/MATERIALS TESTING/GEOTECHNICAL	%	(1.25% estimated)	$0
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	$0
ADVANCE PLANNING	FIXED %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$71,500
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$7,469,058

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 18 months 0.04 % 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 %**)	$53,777
PARKING REPLACEMENT COST	$0
TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost increase)	**$7,522,835**

APPROVED BY: _____ TITLE Associate Vice Chancellor for Facilities DATE 2.09.2016
(Governing Board or Agency Head)

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

Institution: East Carolina University

Advance Planning Request: X

New Capital Project*: ____

Increase in Authorization from: $0 to $125,000

Project Title: Brody Building High Rise Code Study

Project Cost: $125,000

Source of Funds: 2014 – 2015 Carry Forward Funds

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

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

1. A detailed project description and justification:

   The Brody High Rise Building was designed under the 1967 NC Building Code. The original construction documents are dated 10/10/1978. The University is evaluating the building's current 4 egress stair towers that do not fully comply with Section 1008 of this 1978 NC Building Code; as mandated by the Office of State Construction for High Rise buildings. This study is intended to better define / verify any compliance issues and establish approved corrective action with the Office of State Construction. 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

2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs: $4,954,440 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): N/A

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

   Advertise for Designer 3/3/16, Contract Designer, 5/2/16, Complete Study 9/30/16 to 10/14/16

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:

   2014- 2015 Carry Forward Funds

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

Form OC-25
(Rev 05/12)

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

DEPARTMENT and DIVISION: East Carolina University DATE: 02/02/16
PROJECT IDENTIFICATION: Brody Building High Rise Code Study
PROJECT CITY or LOCATION:

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

Prepare design solution options along with cost estimates for bringing the Brody Building into compliance with Section 1008 of the North Carolina Building Code.

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$0
B. Site Preparation				
1. Demolition	10,000	SF	$ 35.00	$350,000
2. Site Work				$0
C. Construction				
1. Utility Services				$0
2. Building Construction (new space)				$0
3. Building Construction (existing)	20,000	SF	$ 118.00	$2,360,000
4. Plumbing (new space)	20,000	SF	$ 18.00	$360,000
5. HVAC (new space)	20,000	SF	$ 16.00	$320,000
6. Electrical (Includes TV & Radio Studio)	20,000	SF	$ 22.00	$440,000
7. Fire Supression and Alarm Systems				$0
8. Telephone, Data, Video				$0
9. Associated Construction Costs				$0
10. Other:				$0
D. Equipment				
1. Fixed				$0
2. Moveable				$0
ESTIMATED CONSTRUCTION COSTS				$3,830,000

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)	$383,000
PRECONSTRUCTION COSTS	1 %	(% of Estimated Construction Costs [1% for CM@Risk])	$38,300
COMMISSIONING	0.5 %	(0.5% simple; 1.0% moderate; 1.5% complex)	$19,150
SPECIAL INSPECTIONS/MATERIALS	1.5 %	(1.25% estimated)	$57,450
SUSTAINABILITY	0 %	(3% LEED Gold, 2% LEED Silver)	$0
ADVANCE PLANNING	1.5 %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$57,450
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	$191,500
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$4,576,850

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 25 months 0.33 % 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 Construction Costs x Escalation %) $377,590

TOTAL ESTIMATED PROJECT COSTS (Estimated Construction Costs + Escalation Cost Increase) $4,954,440

APPROVED BY: John G Fields, PE TITLE: Capital Projects Coordinator DATE: 02-02-16

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

Institution: East Carolina University

Advance Planning Request: X

New Capital Project*: ____

Increase in Authorization from: $_____ to $_____

Project Title: Mendenhall Catering Kitchen Renovation

Project Cost: $200,000 for Program Study

Source of Funds: Dining Receipts

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

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

1. A detailed project description and justification:

   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 need to be remodeled to serve the catering needs as well as to create offices for catering staff.

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)

   OC25 is attached.

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

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

   Program Study- April 2016 – February 2017

   Construction - July 2018 – November 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):

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

7. An explanation of the means of financing:

   Dining Receipts

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

Form OC-25
(Rev 09/14)

DEPARTMENT and DIVISION: East Carolina University, FEAS DATE: 02/02/16
PROJECT IDENTIFICATION: Mendenhall Food Service Renovation
PROJECT CITY or LOCATION: Greenville

PROJECT DESCRIPTION & JUSTIFICATION: Food service portions of Mendenhall will be relocated to the new Student Union. Catering functions will still be based in Mendenhall. Former food service spaces and the existing kitchen will be renovated into a larger modernized catering kitchen.

functions will still be based in Mendenhall. Former food service spaces and the existing kitchen will be renovated into a larger modernized catering kitchen.

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

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$ -
B. Site Preparation				
1. Demolition	8,000	SF	$ 8	$ 60,000
2. Site Work				$ -
C. Construction				
1. Utility Services				$ -
2. Building Construction (new space)				$ -
3. Building Construction (existing)	8,000	SF	$ 65	$ 520,000
4. Plumbing (renov. old seating, serving, kitchen to new kichen)	8,000	SF	$ 50	$ 400,000
5. HVAC (renov. old seating, serving, kitchen to new kichen)	8,000	SF	$ 55	$ 440,000
6. Electrical (renov. old seating, serving, kitchen to new kichen)	8,000	SF	$ 45	$ 360,000
7. Fire Supression and Alarm Systems (upgrade)	8,000	SF	$ 25	$ 200,000
8. Telephone, Data, Video				$ -
9. Associated Construction Costs	8,000	SF	$ 5	$ 40,000
10. Other:				$ -
D. Equipment				
1. Fixed (Kitchen equipment)	1	LS	$ 1,000,000	$ 1,000,000
2. Moveable				$ -
ESTIMATED CONSTRUCTION COSTS				$ 3,020,000

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)	$ 302,000
PRECONSTRUCTION COSTS	%	(% of Estimated Construction Costs [1% for CM@Risk])	$ -
COMMISSIONING	%	(0.5% simple; 1.0% moderate; 1.5% complex)	$ -
SPECIAL INSPECTIONS/MATERIALS	1 %	(1.25% estimated)	$ 30,200
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	$ -
ADVANCE PLANNING	3 %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$ 90,600
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	$ 151,000
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$ 3,593,800

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 30 months 0.12 % 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 %)	$ 129,377
TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase)	$ 3,723,177

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

Institution: NC State University

Advance Planning Request: X

New Capital Project*:

Increase in Authorization from: $_____ to $_____

Project Title: Murphy Center Media Center Renovation

Project Cost: $195,000 AP Request ($1,950,000 Total Project Cost)

Source of Funds: Athletics Receipts

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

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

1. A detailed project description and justification:

   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, design, site development, construction, contingency and other related costs (a completed OC-25 form)

   See attached OC-25.

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

   N/A

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

   Design Start: May 1, 2016 Design Complete: January 15, 2017
   Construction Start: February 15, 2017 Construction Complete: 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 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:

   Athletics receipts will fund the design and construction of this project.

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

Form OC-25
(Rev 05/12)

DEPARTMENT and DIVISION: North Carolina State University DATE: 12/21/15
PROJECT IDENTIFICATION: Murphy Center - Media Center Renovation
PROJECT CITY or LOCATION: Raleigh - West Campus Precinct

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

This project will renovate about 5,500 square feet of space in the Murphy Center to create a Media Broadcast Center. The project converts existing racquetball court, conference rooms, and office space into a broadcast center that will accommodate donated media broadcast equipment. Added electrical and mechanical capacity is included to support the new equipment.

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

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$0
B. Site Preparation				
1. Demolition				$0
2. Site Work				$0
C. Construction				
1. Utility Services				$0
2. Building Construction (new space)				$0
3. Building Construction (existing)	5500		$ 106.90	$587,950
4. Plumbing (new & existing space)	5500		$ 5.35	$29,425
5. HVAC (new & existing space)	5500		$ 66.80	$367,400
6. Electrical (new & existing space)	5500		$ 64.00	$352,000
7. Fire Suppression and Alarm Systems (new & existing space)	5500		$ 2.70	$14,850
8. Telephone, Data, Video (new & existing space)	5500		$ 13.50	$74,250
9. Associated Construction Costs	1	lump sum	$ 30,125.00	$30,125
10. Other: Security Infrastructure & equipment	5500		$ 8.00	$44,000
D. Equipment				
1. Fixed				$0
2. Moveable				$0
ESTIMATED CONSTRUCTION COSTS				**$1,500,000**

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)	$150,000
PRECONSTRUCTION COSTS	0.5 %	(% of Estimated Construction Costs [1% for CM@Risk])	$7,500
COMMISSIONING	0.5 %	(0.5% simple; 1.0% moderate; 1.5% complex)	$7,500
SPECIAL INSPECTIONS/MATERIALS	1 %	(1.25% estimated)	$15,000
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	$0
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$195,000
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New **or** 5% R&R])	$75,000
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$1,950,000

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 15 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 %**) $0

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) **$1,950,000**

APPROVED BY: _____ TITLE University Architect DATE 12/22/15
(Governing Board or Agency Head)

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

Institution: University of North Carolina at Charlotte Advance Planning Request: X
New Capital Project*: ____

Increase in Authorization from: $_____ to $_____
Project Title: West Substation

Project Cost: Advanced Planning Request of $650,000 (Total Project Cost $6,500,000)

Source of Funds: Carry Forward, Facilities & Administrative Receipts (F&A)

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

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

1. A detailed project description and justification:

   Project adds 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 our electrical source which will insure fail safe operation for research activities and business continuity in the case of natural or man-made disasters.

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

   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 schedule for the completion of the project:

Design Start	7/1/2016	Construction Start	6/1/2017
Construction Complete	3/1/2018	Occupy	4/1/2018

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):

Fiscal Year 2018	$500	Fiscal Year 2021	$ 5000
Fiscal Year 2019	$5000	Fiscal Year 20212	$ 5000
Fiscal Year 2020	$5000		

   Source of funds: Institutional funds

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: 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.

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

Form OC-25
(Rev 12/15)

DEPARTMENT and DIVISION: UNC Charlotte DATE: 01/19/16
PROJECT IDENTIFICATION: West Substation
PROJECT CITY or LOCATION: Charlotte, NC

PROJECT DESCRIPTION & JUSTIFICATION: Project adds 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 our electrical source which will insure fail safe operation for research activities and business continuity in the case of natural or man-made disasters.

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

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Duke Energy Substation Cost	1	LS	$ 1,150,000.00	$1,150,000
B. Site Preparation				
1. Demolition				$0
2. UNC Charlotte substation switchyard	1	LS	$ 1,000,000.00	$1,000,000
C. Construction				
1. Utility Services (underground 12.47 kV distribution - 4 circuits)	1	LS	$ 3,500,000.00	$3,500,000
2. Building Construction (new space)				$0
3. Building Construction (existing)				$0
4. Plumbing (new space)				$0
5. HVAC (new space)				$0
6. Electrical (Includes TV & Radio Studio)				$0
7. Fire Supression and Alarm Systems				$0
8. Telephone, Data, Video				$0
9. Associated Construction Costs				$0
10. Other: FM Support	1	LS	$ 8,748.00	$8,748
D. Equipment				
1. Fixed				$0
2. Moveable				$0
ESTIMATED CONSTRUCTION COSTS				$5,658,748

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)	$565,875
PRECONSTRUCTION COSTS	0 %	(% of Estimated Construction Costs [1% for CM@Risk])	$0
COMMISSIONING	0 %	(0.5% simple; 1.0% moderate; 1.5% complex)	$0
SPECIAL INSPECTIONS/MATERIALS	0 %	(1.25% estimated)	$0
SUSTAINABILITY	0 %	(3% LEED Gold, 2% LEED Silver)	$0
ADVANCE PLANNING	1 %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$56,587
CONTINGENCIES	3 %	(% of Estimated Construction Costs [3% New or 5% R&R])	$169,762
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$6,450,973

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 19 months 0.04 % 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 %)	$49,027
TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase)	$6,500,000

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

Institution: UNC Greensboro

Advance Planning Request: X
New Capital Project*: ____

Increase in Authorization from: $_____ to $ $1,030,000

Project Title: Ragsdale-Mendenhall Residence Hall Renovation

Project Cost: $1,030,000 Advanced Planning

Source of Funds: Housing Receipts

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

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

1. A detailed project description and justification:

   Ragsdale-Mendenhall Residence Hall was constructed in 1950. The renovation will provide new mechanical and electrical systems to meet current standards, replace exterior windows for improved energy efficiency, ADA upgrades including the modernization of the existing elevator, and interior finishes throughout the building.

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)

   Attached

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

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

   Designer Selection: May 2016.
   Expected bid date: January 2018.
   Expected construction completion: July 2019.

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

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

7. An explanation of the means of financing:

   Housing Receipts

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

Form OC-25
(Rev 05/12)

DEPARTMENT and DIVISION: UNC Greensboro DATE: 02/12/16
PROJECT IDENTIFICATION: Ragsdale Mendenhall Residence Hall Renovation
PROJECT CITY or LOCATION: Greensboro, NC

PROJECT DESCRIPTION & JUSTIFICATION: Ragsdale-Mendenhall Residence Hall was constructed in 1950. The renovation will provide new mechanical and electrical systems to meet current standards, replace exterior windows for improved energy efficiency, ADA upgrades including the modernization of the existing elevator, and interior finishes throughout the building.

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

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$0
B. Site Preparation				
1. Demolition	79500	SF	$ 3.00	$238,500
2. Site Work (Hardscape/ Landscaping)	1	LS	$ 70,000.00	$70,000
C. Construction				
1. Utility Services (chilled water tie-in)	1	LS	$ 475,000.00	$475,000
2. Building Construction (interior renovation & finishes)	79500	SF	$ 20.00	$1,590,000
3. Building Construction (window replacement complete)	278	EA	$ 1,750.00	$486,500
4. Plumbing (Bedroom Sinks)	79500	SF	$ 5.00	$397,500
5. HVAC (Pumps, FCU's, controls,)	79500	SF	$ 32.00	$2,544,000
6. Electrical	79500	SF	$ 21.00	$1,669,500
7. Fire Suppression and Alarm Systems (Dampers/	79500	SF	$ 1.00	$79,500
8. Telephone, Data, Video				$0
9. Associated Construction Costs				$0
10. Other: Elevator	1	LS	$ 150,000.00	$150,000
11. ACM Abatement/ Clearance	1	LS	$ 250,000.00	$250,000
D. Equipment				
1. Fixed				$0
2. Moveable (Bedroom Furniture)	322	EA	$ 1,750.00	$563,500
ESTIMATED CONSTRUCTION COSTS				**$8,514,000**

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

CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	$425,700
DESIGN FEE	10 %	(% of Estimated Construction Costs)	$893,970
PRECONSTRUCTION COSTS	%	(% of Estimated Construction Costs [1% for CM@Risk])	$0
COMMISSIONING	%	(0.5% simple; 1.0% moderate; 1.5% complex)	$0
SPECIAL INSPECTIONS/MATERIALS TESTING/GEOTECHNICAL	%	(1.25% estimated)	$0
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	$0
ADVANCE PLANNING	1 %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$85,140
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$9,918,810

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 32 months 0.12 % 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 %)	$380,882
PARKING REPLACEMENT COST	$0
TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase)	$10,299,692

APPROVED BY: _____ TITLE Associate Vice Chancellor for Facilities DATE 2.12.2016
(Governing Board or Agency Head)

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

Institution: NC State University

Advance Planning Request: _____
New Capital Project*: _____

Increase in Authorization from: $ 472,000 to $672,000
Project Title: Murphy Center Locker Room Upgrade

Project Cost: 200,000 Increase (Total project cost $672,000 including previously approved $472,000)

Source of Funds: Athletics Receipts

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code 41524 Item 305

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

1. A detailed project description and justification:

   This project renovates 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.

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

   See attached OC-25.

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

	Q1	Q2	Q3	Q4
FY 2016		$41,044	$235,435	$395,521

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

   Design Start: 9/1/15 Design Complete: 11/1/15
   Construction Start: 12/18/15 Construction Complete: 1/29/16

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

   N/A

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

   No revenues are expected to be derived from this project.

7. An explanation of the means of financing:

   Athletics receipts are financing this project.

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

Form OC-25
(Rev 05/12)

DEPARTMENT and DIVISION: North Carolina State University DATE: 01/04/16
PROJECT IDENTIFICATION: Murphy Center Locker Room Upgrades
PROJECT CITY or LOCATION: Raleigh - West Campus Precinct
PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)
This project renovates the team locker room in the Murphy Center with updated flooring, wall finishes, graphics, and lockers.

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

CURRENT ESTIMATED CONSTRUCTION COST	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				$0
B. Site Preparation				
1. Demolition				$0
2. Site Work				$0
C. Construction				
1. Utility Services				$0
2. Building Construction (existing space)	1	lump sum	$ 135,435.00	$135,435
3. Building Construction (new space)				$0
4. Plumbing (new & existing space)				$0
5. HVAC (new & existing space)				$0
6. Electrical (new & existing space)				$0
7. Fire Supression and Alarm Systems (new & existing space)				$0
8. Telephone, Data, Video (existing space)				$0
9. Associated Construction Costs				$0
10. Other: _____				$0
D. Equipment				
1. Fixed (lockers)	1	lump sum	$ 485,517.00	$485,517
2. Moveable				$0
ESTIMATED CONSTRUCTION COSTS				**$620,952**

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

DESIGN FEE	%	(% of Estimated Construction Costs)	$20,000
PRECONSTRUCTION COSTS	%	(% of Estimated Construction Costs [1% for CM@Risk])	$0
COMMISSIONING	%	(0.5% simple; 1.0% moderate; 1.5% complex)	$0
SPECIAL INSPECTIONS/MATERIALS	%	(1.25% estimated)	$0
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	$0
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	$0
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New **or** 5% R&R])	$31,048
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	$672,000

Escalation = percent per month multiplied by number of months
(From Est. Date to mid-point of construction) = 6 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 %**)	$0
TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase)	**$672,000**

APPROVED BY: _____ TITLE University Architect DATE 1.5.16
(~~Governing Board~~ or Agency Head)