

4. Authorization of Capital Improvements Projects – ASU, NCSU,
and UNCC Will Johnson

Situation: ASU, NCSU, and UNCC have requested authority to proceed with non-appropriated capital improvements projects using available funds derived from 4H camp receipts, campus enterprise receipts, carry-forward, endowment funds, facilities and administrative receipts, gifts, health service fees, housing receipts, and trust funds.

Background: The Board of Governors may authorize capital construction projects and advance planning projects at UNC campuses using available funds.

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

Action: This item requires a vote.

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

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

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

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

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.

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

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

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

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

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

Authorization for Advance Planning of New Capital Improvements Project – The University of North Carolina at Charlotte

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

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

Authorization to Increase the Scope of a Capital Improvements Projects – Appalachian State University and North Carolina State University

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

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

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

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

Institution: Appalachian State University Advance Planning Request: _____
New Capital Project*: X

Increase in Authorization from: \$ _____ to \$ _____

Project Title: Campus Master Plan

Project Cost: \$375,000

Source of Funds: Endowment

*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 University is in need of an updated master plan to facilitate physical planning initiatives as they relate to the academic mission. Included in the plan will be analysis of enrollment growth, infrastructure needs, potential building sites and open space amenities.
2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (Answer for capital construction only and include a completed OC-25 form)
3. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):
4th Qtr 15-16: \$75,000; 1st Qtr 16-17: \$200,000; 2nd Qtr 16-17: \$100,000;
4. An estimated schedule for the completion of the project: Jan 2016 – Mar 2018
Planning: Feb 2016 – August 2016
5. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):
N/A
6. An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation (Answer for capital construction only):
N/A
7. An explanation of the means of financing: Steam Trust Fund Receipts – Cash

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: Appalachian State University DATE: 12/10/15
PROJECT IDENTIFICATION: Campus Master Plan
PROJECT CITY or LOCATION: Boone, NC

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

Campus Master Plan - no construction work

(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)				\$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: _____				\$0
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0

ESTIMATED CONSTRUCTION COSTS

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

DESIGN FEE	<u>0</u> %	(% of Estimated Construction Costs)	\$0
PRECONSTRUCTION COSTS	<u>0</u> %	(% of Estimated Construction Costs [1% for CM@Risk])	\$0
COMMISSIONING	<u> </u> %	(0.5% simple; 1.0% moderate; 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS	<u>0</u> %	(1.25% estimated)	\$0
SUSTAINABILITY	<u>0</u> %	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	<u>0</u> %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	\$375,000
CONTINGENCIES	<u>0</u> %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$0
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	\$375,000

Escalation = percent per month multiplied by number of months

(From Est. Date to mid-point of construction) = _____ months _____ % per month

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

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

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

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

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

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

Institution: Appalachian State University Advance Planning Request:
New Capital Project*: X

Increase in Authorization from: \$ to \$

Project Title: Miles Annas Building Wellness Center Renovation

Project Cost: \$451,000

Source of Funds: Health Services Fee

*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: Design and construct office and meeting spaces for the Wellness Center, using a portion of the lobby and mail box areas in the Miles Annas Student Support Building. Also reconfigure a portion of the adjacent Post Office spaces to enable giving up spaces to the Wellness Center and renovate two toilets to make them public toilets.
2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (Answer for capital construction only and include a completed OC-25 form)
Design: \$41,000
Construction: \$410,000
Contingency: \$20,500
Other: \$0
3. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only):
3rd Qtr 15-16: \$15,000; 4th Qtr 15-16: \$20,000; 1st Qtr 16-17: \$381,000; 2nd Qtr 16-17: \$50,000;
4. An estimated schedule for the completion of the project: Jan 2016 – Sep 2016
Design: Jan 2016 - Apr 2016
Construction: May 2016 - Sep 2016
5. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only):
N/A
6. An estimate of revenues, if any, likely to be derived from the project, covering the first five years of operation (Answer for capital construction only):
N/A
7. An explanation of the means of financing: Project will be funded using cash already accumulated in the Health Services Student Fee trust fund. The project will be funded with cash and will not require the issuance of debt. The University has set aside a portion of the funds necessary for this project over time in order to complete this project entirely with cash.

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: Appalachian State University DATE: 12/11/15
PROJECT IDENTIFICATION: Miles Annas Building Wellness Center Renovation
PROJECT CITY or LOCATION: Boone, NC
PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)
Renovate existing spaces to provide offices and meeting rooms for the Wellness Center.

(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	3000	SF	\$ 10.00	\$30,000
2. Site Work				\$0
C. Construction				
1. Utility Services				\$0
2. Building Construction (new space)				\$0
3. Building Construction (existing)	3000	SF	\$ 100.00	\$300,000
4. Plumbing (new space)				\$0
5. HVAC (new space)				\$0
6. Electrical (Includes TV & Radio Studio)				\$0
7. Fire Suppression and Alarm Systems				\$0
8. Telephone, Data, Video	1	LS	\$ 10,000.00	\$10,000
9. Associated Construction Costs	3000	SF	\$ 20.00	\$60,000
10. Other: <u>In-house support</u>	1	LS	\$ 10,000.00	\$10,000
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0
ESTIMATED CONSTRUCTION COSTS				\$410,000

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)	\$41,000
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])	\$20,500
ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee)			\$451,000

Escalation = percent per month multiplied by number of months

(From Est. Date to mid-point of construction) = 7 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)

APPROVED BY: Seamus M. Lavin
(Governing Board or Agency Head)

TITLE VC Business Affairs

DATE 12/15/15

The University of North Carolina Request for New or Increase in Capital Improvement Project
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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 ft² 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):

	<u>1Q</u>	<u>2Q</u>	<u>3Q</u>	<u>4Q</u>
FY2016:			\$27,333	\$342,650
FY2017:	\$80,017			

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

Design Start: 1/25/16 Design Complete: 3/18/16
 Construction Start: 4/18/16 Construction Complete: 6/17/16

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: <u>Security Access Technologies</u>	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 %)

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

APPROVED BY: [Signature]
(Governing Board or Agency Head)

TITLE University Architect

DATE 11/20/15

\$0

\$450,000

The University of North Carolina Request for New or Increase in Capital Improvement Project
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Institution: NC State University Advance Planning Request:
 New Capital Project*: X

Increase in Authorization from: \$ to \$

Project Title: Millstone 4H Camp Director's Residence

Project Cost: \$175,000

Source of Funds: Millstone 4H Center Trust Funds, gifts, and camp 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 involves the procurement and installation of a new 3,060 GSF modular building to be used as the Camp Director Residence and garage, located in Richmond County near Ellerbe, NC. The project includes site work, surface parking, utility connections, and septic system.

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):

	<u>Q1</u>	<u>Q2</u>	<u>Q3</u>	<u>Q4</u>
FY 2016			\$47,740	\$125,431
FY 2017	\$1,829			

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

Design Start: 2/01/16 Design Complete: 2/29/16
 Construction Start: 3/1/16 Construction Complete: 5/31/16

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):

M&O costs are estimated to be \$2500 annually for the first five years of operation. Maintenance and Operating costs are paid from the 4-H camp receipts account.

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:

This project will be funded by Millstone 4H Center Trust Funds, gifts, and 4-H camp 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: North Carolina State University DATE: 11/30/15
PROJECT IDENTIFICATION: Millstone Director's Residence
PROJECT CITY or LOCATION: Ellerbe, NC

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

This project involves the installation of a new 3,060 gross square foot modular building for use as the Director's residence and garage. The project also includes site work, surface parking, utility connections, and septic.

(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 (grading)	1	lump sum	\$ 12,000.00	\$12,000
3. Site Work (Surface Parking and sidewalk)	1	lump sum	\$ 4,229.00	\$4,229
C. Construction				
1. Utility Services (septic and service connections)	1	lump sum	\$ 7,000.00	\$7,000
2. Building Construction (new space)				\$0
3. Building Construction (existing)				\$0
4. Plumbing (new & existing space)				\$0
5. HVAC (new & existing space)				\$0
6. Electrical (new & existing space)				\$0
7. Fire Suppression and Alarm Systems (new & existing space)				\$0
8. Telephone, Data, Video (new & existing space)				\$0
9. Associated Construction Costs	1	lump sum	\$ 2,820.00	\$2,820
10. Other:				\$0
D. Equipment				
1. Fixed (modular building, slab, and garage)	1	lump sum	\$ 139,000.00	\$139,000
2. Moveable				\$0
ESTIMATED CONSTRUCTION COSTS				\$165,049

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

DESIGN FEE	% (% of Estimated Construction Costs)	\$5,000
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
	Includes programming, feasibility, analysis	
ADVANCE PLANNING	% (% of Estimated Construction Costs)	\$0
CONTINGENCIES	3 % (% of Estimated Construction Costs [3% New or 5% R&R])	\$4,951
ESTIMATED COSTS	(% of Estimated Construction Costs + Contingencies + Design Fee)	\$175,000

Escalation = percent per month multiplied by number of months

(From Est. Date to mid-point of construction) = 3 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)

APPROVED BY: Lina J. Myron
(Governing Board or Agency Head)

TITLE University Architect

DATE 12-1-15

\$0

\$175,000

The University of North Carolina Request for New or Increase in Capital Improvement Project
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Institution: NC State University Advance Planning Request:
 New Capital Project*: X

Increase in Authorization from: \$ to \$

Project Title: CMAST Housing Building Code Upgrades

Project Cost: \$400,000

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:

This project will provide required code upgrades to a newly purchased 13-unit townhouse building. The building will house NC State students who take classes at the Center for Marine Sciences and Technology (CMAST). The code upgrades include lowering windows to meet code in sleeping rooms, upgrading the life safety system, installing a sprinkler system, upgrading the site to include an ADA parking space, and installing washers/dryers.

2. An estimate of 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):

	<u>Q1</u>	<u>Q2</u>	<u>Q3</u>	<u>Q4</u>
FY 2016			\$28,152	\$61,637
FY 2017	\$224,728	\$85,483		

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

Design Start: February 1, 2016	Design Complete: March 30, 2016
Construction Start: May 1, 2016	Construction Complete: September 30, 2016

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

N/A

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

N/A

7. An explanation of the means of financing:

Housing 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: CMAST Housing Building Code Upgrades
PROJECT CITY or LOCATION: Morehead City, NC

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

The project will provide required code upgrades to a newly purchased 13 unit townhouse building. The building will house NC State students who take classes at The Center for Marine Sciences and Technology (CMAST). The code upgrades include lowering windows to meet code in sleeping rooms, upgrading the life safety system, installing a sprinkler system, upgrading the site to include an ADA parking space, and installing washer/dryers.

(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	1	lump sum	\$ 10,000.00	\$10,000
C. Construction				
1. Utility Services				\$0
2. Building Construction (new space)				\$0
3. Building Construction (existing space)	12000	gsf	\$ 13.75	\$165,000
4. Plumbing (new space)	12000	gsf	\$ 1.00	\$12,000
5. HVAC (new space)	12000	gsf	\$ 3.00	\$36,000
6. Electrical (new space)	12000	gsf	\$ 1.00	\$12,000
7. Fire Suppression and Alarm Systems (new space)	12000	gsf	\$ 7.80	\$93,600
8. Telephone, Data, Video (new space)				\$0
9. Associated Construction Costs	1	lump sum	\$ 1,226.00	\$1,226
10. Other: <u>Security</u>	1	lump sum	\$ 18,000.00	\$18,000
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0
ESTIMATED CONSTRUCTION COSTS				\$347,826

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)	\$34,783
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])	\$17,391
ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee)			\$400,000

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)

APPROVED BY: [Signature]
(Governing Board or Agency Head)

TITLE University Architect

DATE 11/20/15

\$0

\$400,000

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

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

Increase in Authorization from: \$ to \$

Project Title: Belk Plaza Revitalization

Project Cost: \$3,000,000

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

*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 Belk Plaza is a prominent quadrangle in the oldest part of campus. It is surrounded by the first buildings built on the campus. It is the center of campus life and an important outdoor gathering space for students, faculty and staff. Previously the central feature in the plaza was the Belk Tower, an iconic landmark for UNC Charlotte for over 40 years. It was recently necessary to remove the tower due to structural and safety concerns. UNC Charlotte intends to redesign the entire 50,000 square foot plaza to create a dynamic outside environment for rest, study, reflection, and conversation. Revitalization will focus on updating the area with plant materials that will be easier and less costly to maintain, improving campus pedestrian and bike circulation, adding seating walls to define the plaza, and constructing a new iconic feature or features. This project will ensue from public input of the campus community and alumni as well as the Campus Landscape Master Plan.

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	\$25,000	FY17 QTR 3	\$75,000	FY18 QTR 1	\$975,000
FY17 QTR 2	\$75,000	FY17 QTR 4	\$875,000	FY 18 QTR 2	\$975,000

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

Design Start	7/1/2016	Construction Start	5/1/2017
Construction Complete	1/1/2018		

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):

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:

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 be used to supplement carryforward funds, or as an alternative source should carryforward not be approved. If realized, gifts will be an alternate and primary funding source.

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: 11/30/15
PROJECT IDENTIFICATION: Belk Plaza Revitalization
PROJECT CITY or LOCATION: Charlotte, NC

PROJECT DESCRIPTION & JUSTIFICATION: The Belk Plaza is a prominent quadrangle in the oldest part of campus. It is surrounded by the first buildings build on the campus. It is the center of campus life and an important outdoor gathering space for students, faculty and staff. Previously the central feature in the plaza was the Belk Tower, an iconic landmark for UNC Charlotte for over 40 years. It was recently necessary to remove the tower due to structural and safety concerns. UNC Charlotte intends to redesign the entire 50,000 square foot plaza to create a dynamic outside environment for rest, study, reflection, and conversation. Revitalization will focus on updating the area with plant materials that will be easier and less costly to maintain, improving campus pedestrian and bike circulation, adding seating walls to define the plaza, and constructing a new iconic feature or features. This project will ensue from public input of the campus community and alumni as well as the Campus Landscape Master Plan.

CURRENT ESTIMATED CONSTRUCTION COST

	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				\$0
B. Site Preparation				
1. Demolition				\$0
2. Site Work	50,000	SF	\$ 16.00	\$800,000
C. Construction				
1. Utility Services				\$0
2. Building Construction (new space)	1	LS	\$ 1,804,658.25	\$1,804,658
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: <u>Project Support</u>	1	LS	\$ 5,000.00	\$5,000
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0

ESTIMATED CONSTRUCTION COSTS

\$2,609,658

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

DESIGN FEE	<u>10</u> %	(% of Estimated Construction Costs)	\$260,966
PRECONSTRUCTION COSTS	<u>0</u> %	(% of Estimated Construction Costs [1% for CM@Risk])	\$0
COMMISSIONING	<u>0</u> %	(0.5% simple; 1.0% moderate; 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS	<u>0</u> %	(1.25% estimated)	\$0
SUSTAINABILITY	<u>0</u> %	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	<u>1</u> %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	\$26,097
CONTINGENCIES	<u>3</u> %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$78,290
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	\$2,975,010

Escalation = percent per month multiplied by number of months

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

21 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%

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: Charlotte Research Institute Entrance Improvements

Project Cost: \$2,500,000

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

*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 enhance the Charlotte Research Institute (CRI) entrance to campus along Tryon Street/U.S. Highway 29. It includes site grading, landscaping, seat walls, a plaza area, utilities and roadway improvements that will be coordinated with the new Charlotte Area Transit System (CATS) light rail and road widening currently underway. A UNC Charlotte sign and entrance feature are also included.

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	\$83,332	FY17 QTR 2	\$750,000
FY16 QTR 4	\$83,334	FY17 QTR 3	\$750,000
FY17 QTR 1	\$83,334	FY17 QTR 4	\$750,000

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

Design Start	1/25/2016	Construction Start	10/1/2017
Construction Complete	7/1/2017		

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:

FY15 carryforward will be used to fund advanced planning. If UNC Charlotte's FY16 carryforward is approved, a portion will be transferred to capital to fund the majority of this project. Facilities & Administrative receipts will be used to supplement carryforward funds, or as an alternative source should carryforward not be approved. If realized, gifts will be an alternate and primary funding source. A significant gift has been pledged to this project.

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: 12/04/15
PROJECT IDENTIFICATION: Charlotte Research Institute Entrance Improvements
PROJECT CITY or LOCATION: Charlotte

PROJECT DESCRIPTION & JUSTIFICATION: This project will enhance the Charlotte Research Institute (CRI) entrance to campus along Tryon Street/U.S. Highway 29. It includes site grading, landscaping, seat walls, a plaza area, utilities and roadway improvements that will be coordinated with the new Charlotte Area Transit System (CATS) light rail and road widening currently underway. A UNC Charlotte sign and entrance feature are also included.

CURRENT ESTIMATED CONSTRUCTION COST

	QTY	UNIT	COST PER UNIT	TOTAL
A. Land Requirement				\$0
B. Site Preparation				
1. Demolition	30,000	SF	\$ 0.25	\$7,500
2. Site Work	30,000	SF	\$ 58.27	\$1,748,100
C. Construction				
1. Utility Services	30,000	SF	\$ 2.00	\$60,000
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)	30,000	SF	\$ 1.90	\$57,000
7. Fire Supression and Alarm Systems				\$0
8. Telephone, Data, Video				\$0
9. Associated Construction Costs	30,000	SF	\$ 10.50	\$315,000
10. Other: <u>FM Support</u>	1	LP	\$ 5,382.50	\$5,383
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0

ESTIMATED CONSTRUCTION COSTS

\$2,192,983

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

DESIGN FEE	<u>10</u> %	(% of Estimated Construction Costs)	\$219,298
PRECONSTRUCTION COSTS	<u>0</u> %	(% of Estimated Construction Costs [1% for CM@Risk])	\$0
COMMISSIONING	<u>0</u> %	(0.5% simple; 1.0% moderate; 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS	<u>0</u> %	(1.25% estimated)	\$0.00
SUSTAINABILITY	<u>0</u> %	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	<u>1</u> %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	\$21,930
CONTINGENCIES	<u>3</u> %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$65,789
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	\$2,500,000

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 Construction Costs x Escalation %)

\$0

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

\$2,500,000

The University of North Carolina Request for New or Increase in Capital Improvement Project
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Institution: University of North Carolina at Charlotte Advance Planning Request: X
 New Capital Project*:

Increase in Authorization from: \$ to \$

Project Title: Colvard Renovations

Project Cost: Advanced Planning Request of \$1,430,000 (Total Project Cost \$14,300,000)

Source of Funds: Carry Forward and Facilities & Administrative (F&A) 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 project will modernize the building systems of the 1981 vintage Colvard Buildings (North and South). Mechanical, electrical, plumbing, information technology, and fire protection systems will be upgraded. The project will also include architectural upgrades, envelop repairs and code/ADA compliance corrections. This project was previously authorized under Campus Infrastructure Development Phase II (CID 2) authorization. However, due to increased costs of the CID 2 projects, we are requesting that some projects, including this one, be authorized separately.

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):

FY18 QTR 1	\$330,000	FY18 QTR 4	\$330,000	FY20 QTR 2	\$3,510,000
FY18 QTR 2	\$330,000	FY19 QTR 1	\$2,450,000	FY20 QTR 4	\$3,510,000
FY18 QTR 3	\$330,000	FY19 QTR 2	\$3,510,000		

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

Design Start	7/1/2017	Construction Start	8/1/2018
Construction Complete	7/1/2019	Occupy	8/1/2019

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):

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:

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 2013 - 2015
(Definitions/explanations are provided on pg 2 to assist in completion of this form.)

Form OC-25
(Rev 05/12)

DEPARTMENT and DIVISION:
PROJECT IDENTIFICATION:
PROJECT CITY or LOCATION:

UNC Charlotte
Colvard Renovations
Charlotte, NC

DATE: 12/08/15

PROJECT DESCRIPTION & JUSTIFICATION: The project will modernize the building systems of the 1981 vintage Colvard Buildings (North and South). Mechanical, electrical, plumbing, information technology, and fire protection systems will be upgraded. The project will also include architectural upgrades, envelop repairs and code/ADA compliance corrections.

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)	120366.43	SF	\$ 55.78	\$6,714,039
4. Plumbing (new space)	120366.43	SF	\$ 1.01	\$121,570
5. HVAC (new space)	120366.43	SF	\$ 22.18	\$2,669,727
6. Electrical (Includes TV & Radio Studio)	120366.43	SF	\$ 1.10	\$132,403
7. Fire Supression and Alarm Systems and supporting Electrical	120366.43	SF	\$ 6.50	\$782,382
8. Telephone, Data, Video	120366.43	SF	\$ 2.05	\$246,751
9. Associated Construction Costs				\$0
10. Other: ADA and Life Safety	120366.43	SF	\$7.38	\$888,304
11. Other: Project Support	1	LP	\$ 25,927.00	\$25,927
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0
ESTIMATED CONSTRUCTION COSTS				\$11,581,104

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)	\$1,158,110
PRECONSTRUCTION COSTS	1 %	(% of Estimated Construction Costs [1% for CM@Risk])	\$115,811
COMMISSIONING	1.5 %	(0.5% simple; 1.0% moderate; 1.5% complex)	\$173,717
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)	\$115,811
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$579,055
ESTIMATED COSTS	(% of Estimated Construction Costs + Contingencies + Design Fee)		\$13,723,609
Escalation = percent per month multiplied by number of months (From Est. Date to mid-point of construction) = 35 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 %)			\$576,392
TOTAL ESTIMATED PROJECT COSTS (Estimated Construction Costs + Escalation Cost Increase)			\$14,300,000

APPROVED BY: TITLE DATE

(Governing Board or Agency Head)

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION
STATE CONSTRUCTION OFFICE
PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT
BIENNIUM 2013 - 2015
DEFINITIONS OR EXPLANATIONS
(Items not listed below are presumed to be self-explanatory. Questions may be directed to the State Construction Office.)

Form OC-25
(Rev 05/12)

Item on Form	Definition/Explanation
CURRENT ESTIMATED CONSTRUCTION COST	Attach basis and justification for estimate. Include description, quantities, units, special
A. Land Requirement	Includes purchase and acquisition costs (title search, filing fees, other legal fees, etc.)
B. 1. Demolition	Includes but may not be limited to lead and/or asbestos testing and removal, building or interior space demolition in whole or part.
B. 2. Site Work	Includes but may not be limited to grading, excavating, poor soils and/or rock removal, utilities relocation, roads, walks, parking, streambank repairs, stormwater management, retaining walls, rainwater harvesting systems, landscaping.
C. 1. Utility Services	Attach explanation of any special building, mechanical, or electrical service requirements with appropriate distance to existing buildings, water, gas, electrical or other utility service.
C. 9. Associated Construction Costs	Includes but may not be limited to construction fire alarm testing, utility shut downs, utilities, signage, security, displaced parking, staging, lock cores, keys, State Construction Office charges.

<p style="text-align: center;">The University of North Carolina Request for New or Increase in Capital Improvement Project</p>
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Institution: Appalachian State University Advance Planning Request: _____
New Capital Project*: _____

Increase in Authorization from: \$ 9,008,358 to \$9,458,358

Project Title: Anne Belk Hall HVAC

Project Cost: \$450,000

Source of Funds: 2015 Energy Savings Carry Forward

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code 41030 Item 307

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

1. A detailed project description and justification:

Replace the air handler and associated ductwork to provide adequate outside air ventilation and energy efficiency for 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)

\$450,000 is the total project cost for construction administration fees and construction for the project. Design fees were included in the original Anne Belk Hall project (41030-307)

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

4th Qtr 15-16: \$450,000

4. An estimated schedule for the completion of the project: Feb 2016 – August 2016

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

N/A

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

N/A

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

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: Appalachian State University DATE: 01/06/16
PROJECT IDENTIFICATION: Anne Belk Hall HVAC Replacement
PROJECT CITY or LOCATION: Boone, NC
PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)
Replace the air handler and associated ductwork to provide adequate outside air ventilation and energy efficiency for 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				\$0
2. Site Work				\$0
C. Construction				
1. Utility Services				\$0
2. Building Construction (new space)				\$0
3. Building Construction (existing)				\$0
4. Plumbing (new space)				\$0
5. HVAC (exisiting space)	1	LS	\$ 380,000.00	\$380,000
6. Electrical (Includes TV & Radio Studio)				\$0
7. Fire Supression and Alarm Systems				\$0
8. Telephone, Data, Video				\$0
9. Associated Construction Costs	1	LS	\$ 11,000.00	\$11,000
10. Other: _____				\$0
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0

ESTIMATED CONSTRUCTION COSTS

\$391,000

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

DESIGN FEE	<u>6</u> %	(% of Estimated Construction Costs)	\$23,460
PRECONSTRUCTION COSTS	<u>0</u> %	(% of Estimated Construction Costs [1% for CM@Risk])	\$0
COMMISSIONING	<u> </u> %	(0.5% simple; 1.0% moderate; 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS	<u>0</u> %	(1.25% estimated)	\$0
SUSTAINABILITY	<u>0</u> %	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	<u>0</u> %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	
CONTINGENCIES	<u>5</u> %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$19,550
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	\$434,010

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)

\$434,010

APPROVED BY: _____

TITLE _____

DATE _____

(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: \$ 2,500,000 to \$ 3,000,000

Project Title: College of Veterinary Medicine 3B Lab Renovation

Project Cost: \$500,000 (Total Project Budget of \$3,000,000 including previously authorized \$2,500,000)

Source of Funds: CVM Trust Funds (\$300,000) and F&A (\$200,000)

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code 41424 Item 321

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

1. A detailed project description and justification:

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

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

See attached OC-25.

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

	<u>Q1</u>	<u>Q2</u>	<u>Q3</u>	<u>Q4</u>
FY 2015				\$10,972
FY 2016	\$113,596	\$50,126	\$33,414	\$20,807
FY 2017	\$511,039	\$1,370,389	\$484,260	\$157,636
FY 2018	\$247,761			

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

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

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

N/A

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

No revenues will be derived from this project.

7. An explanation of the means of financing:

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

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

Form OC-25

DEPARTMENT and DIVISION: NC State University DATE: 11/16/15
PROJECT IDENTIFICATION: CVM 3B Lab Renovation
PROJECT CITY or LOCATION: Raleigh - West Campus Precinct

PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)
Renovation of College of Vet Medicine Main Building research lab module B - third floor, to accommodate discipline clustering in a more open and flexible layout. Renovations include wet lab renovation and write-up computational support areas with finish, building system, and casework upgrades.

(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)	8700	GSF	\$ 132.25	\$1,150,575
4. Plumbing (existing)	8700	GSF	\$ 18.50	\$160,950
5. HVAC (existing)	8700	GSF	\$ 61.50	\$535,050
6. Electrical (existing)	8700	GSF	\$ 35.00	\$304,500
7. Fire Suppression and Alarm Systems	8700	GSF	\$ 3.00	\$26,100
8. Telephone, Data, Video	8700	GSF	\$ 6.50	\$56,550
9. Associated Construction Costs	1	lump sum	\$ 21,828.00	\$21,828
10. Other: <u>abatement</u>	8700	GSF	\$ 5.00	\$43,500
D. Equipment				
1. Fixed				\$0
2. Moveable	1	lump sum	\$ 220,000.00	\$220,000
ESTIMATED CONSTRUCTION COSTS				\$2,519,053

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)	\$251,905
PRECONSTRUCTION COSTS	0.15 %	(% of Estimated Construction Costs [1% for CM@Risk])	\$3,779
COMMISSIONING	1.0 %	(0.5% simple; 1.0% moderate; 1.5% complex)	\$25,191
SPECIAL INSPECTIONS/MATERIALS	0.05 %	(1.25% estimated)	\$1,260
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	\$72,860
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$125,953
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	\$3,000,000

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%

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

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

APPROVED BY: [Signature]
(Governing Board or Agency Head)

TITLE University Architect

DATE 11/20/15

\$3,000,000

\$0