

APPENDIX D

Authorization of Capital Improvement Projects – Appalachian State University, North Carolina A&T State University, North Carolina State University, the University of North Carolina at Chapel Hill, and the University of North Carolina at Pembroke

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

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

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

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

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

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

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

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

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

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

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

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

Authorization for Advance Planning of New Capital Improvement Project – North Carolina State University

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

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

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

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

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

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

Increase in Authorization from: \$ 45,000 to \$ 494,477

Project Title: JET Roof Replacement

Project Cost: \$494,477

Source of Funds: 2011 R&R (\$45,000) and Carry Forward (\$449,477)

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code 41130 Item 320

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

1. A detailed project description and justification: Replacement of the roof membrane, flashings and roof cap. The flat membrane roof and precast parapet caps of the J.E. Thomas Building are seriously deteriorated and leak frequently due to its age. There are a large number of structural penetrations through the roof membrane.

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.

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

FY2015:	Q1:	50,000	Q2:	400,000	Q3:	44,477	Q4:
FY2016:	Q1:		Q2:		Q3:		Q4:
FY2017:	Q1:		Q2:		Q3:		Q4:

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

Design Start: 4/28/2014	Design Complete: 1/5/2015
Construction Start: 5/13/2015	Construction Finish: 8/26/2015

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

N/A

6. 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:

Source of funding: 2011 R&R and Carry Forward

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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: 12/12/14
PROJECT IDENTIFICATION: J.E. Thomas Building Roof Replacement
PROJECT CITY or LOCATION: Boone

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

The flat membrane roof of the J.E. Thomas Building is seriously deteriorated and leaks frequently due to its age and the large number of structural penetrations through the roof membrane. The membrane and underlying insulation need to be replaced, and the parapet wall caps need to be properly flashed.

(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)	24000	SF	\$ 18.75	\$450,000
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				\$0
9. Associated Construction Costs				\$0
10. Other:				\$0
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0

ESTIMATED CONSTRUCTION COSTS

\$450,000

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

DESIGN FEE	<u>8</u> %	(% of Estimated Construction Costs)	\$35,808
PRECONSTRUCTION COSTS	<u> </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> </u> %	(1.25% estimated)	\$0
SUSTAINABILITY	<u> </u> %	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	<u> </u> %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	\$0
CONTINGENCIES	<u>3</u> %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$13,500
ESTIMATED COSTS	(% of Estimated Construction Costs + Contingencies + Design Fee)		\$499,308

Escalation = percent per month multiplied by number of months

(From Est. Date to mid-point of construction) = 14 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)

\$499,308

APPROVED BY: _____

TITLE _____

DATE _____

APPENDIX D

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: DH Hill Library - Faculty Research Commons

Project Cost: \$475,000

Source of Funds: Library 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 modifies approximately 4300 ft² of library shelving space into a Faculty Research Commons. The renovation will modify excess open areas of bookstack space (due to the opening of the Hunt Library) into new enclosed and open collaborative/study spaces on the second floor of DH Hill Library.

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

See attached 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>
FY2015:			\$38,660	\$233,375
FY2016:	\$141,278	\$34,184	\$27,503	

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

Design Start: 1/19/15	Design Complete: 2/27/15
Construction Start: 3/23/15	Construction Complete: 8/7/15

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:

Project funding is from Library F&A.

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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: 11/19/14
PROJECT IDENTIFICATION: Faculty Research Commons Renovation (DH Hill Library)
PROJECT CITY or LOCATION: Raleigh - North Campus

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

The project renovates about 4,300 assignable square feet of previous library shelving space into a Faculty Research Commons. This space was vacated by the opening of the Hunt Library. The project will provide a variety of spaces for faculty to collaborate and/or work independently on the second floor of the DH Hill Library. The project will reconfigure the existing space and will include enclosed and open work/collaboration spaces.

(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)	4300	sf	\$ 50.00	\$215,000
4. Plumbing (existing space)	4300	sf	\$ 7.75	\$33,325
5. HVAC (existing space)	4300	sf	\$ 20.00	\$86,000
6. Electrical (existing space)	4300	sf	\$ 14.00	\$60,200
7. Fire Suppression and Alarm Systems (new & existing space)				\$0
8. Telephone, Data, Video (new & existing space)	4300	sf	\$ 3.50	\$15,050
9. Associated Construction Costs (ex. locks, signage, shut downs)	1	lump sum	\$ 3,110.00	\$3,110
10. Other:				\$0
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0
ESTIMATED CONSTRUCTION COSTS				\$412,685

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)	\$41,269
PRECONSTRUCTION COSTS	0.1 %	(% of Estimated Construction Costs [1% for CM@Risk])	\$413
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])	\$20,634
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	\$475,000

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 %)

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

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

TITLE University Architect

DATE 11.19.14

\$0

\$475,000

APPENDIX D

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 Space

Project Cost: \$ 342,975

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 renovates approximately 2700 ft² of recently constructed shell space into three retail spaces for the Wolfpack One Card, Entrepreneur Initiative and Princeton Review entities. The project creates product display, point of sale counters, workstation spaces and associated support space.

Note: Project was originally estimated to be under \$300,000, therefore not requiring authority. Authority is being sought now that it is known total cost will exceed \$300,000.

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>
FY2015:	\$5,116	\$4,245	\$106,817	\$147,516
FY2016:	\$52,517	\$26,764		

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

Design Start: 3/24/14

Design Complete: 12/19/14

Construction Start: 2/16/15

Construction Complete: 5/15/15

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):

Estimated revenue from this project is \$120,000 over five years, all from the Princeton Review. Wolfpack One Card and Entrepreneur Initiative are not expected to generate any revenue.

7. An explanation of the means of financing:

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

APPENDIX D

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: NC State University DATE: 11/20/14
PROJECT IDENTIFICATION: Talley Retail Space
PROJECT CITY or LOCATION: Raleigh, NC

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

This interior upfit project renovates approximately 2,700 square feet of recently constructed shell space into three retail spaces for the Wolfpack One Card, Entrepreneur Initiative, and Princeton Review entities. The project creates product display, point of sale counters, workstation spaces and associated support space.

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

CURRENT ESTIMATED CONSTRUCTION COST

- A. Land Requirement
B. Site Preparation
 1. Demolition
 2. Site Work
C. Construction
 1. Utility Services
 2. Building Construction (new space)
 3. Building Construction (existing)
 4. Plumbing (existing)
 5. HVAC (existing)
 6. Electrical
 7. Fire Suppression and Alarm Systems
 8. Telephone, Data, Video
 9. Associated Construction Costs (survey & testing)
 10. Other: Security
D. Equipment
 1. Fixed
 2. Moveable

QTY	UNIT	COST PER UNIT	TOTAL
			\$0
			\$0
			\$0
			\$0
			\$0
2700	SF	\$ 62.50	\$168,750
2700	SF	\$ 6.00	\$16,200
2700	SF	\$ 10.00	\$27,000
2700	SF	\$ 15.00	\$40,500
2700	SF	\$ 1.50	\$4,050
2700	SF	\$ 3.50	\$9,450
1	Lump sum	\$ 1,030.00	\$1,030
2700	SF	\$ 10.00	\$27,000
1	Lump sum	\$ 1,000.00	\$1,000
1	Lump sum	\$ 3,000.00	\$3,000
			\$297,980

ESTIMATED CONSTRUCTION COSTS

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

DESIGN FEE	10 %	(% of Estimated Construction Costs)	\$29,798
PRECONSTRUCTION COSTS	0.1 %	(% of Estimated Construction Costs [1% for CM@Risk])	\$298
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])	\$14,899
ESTIMATED COSTS	(% of Estimated Construction Costs + Contingencies + Design Fee)		\$342,975

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 %)

\$0

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

\$342,975

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

TITLE University Architect

DATE 11/19/2014

APPENDIX D

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

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

Increase in Authorization from: \$ to \$

Project Title: Greek Village Phase 2 Infrastructure

Project Cost: \$6,301,000 (Including previously approved AP amount of \$200,000)

Source of Funds: Campus Life Receipts

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code 41324 Item 309

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

1. A detailed project description and justification:

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

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.

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

FY2015:	Q1: \$39,957	Q2: \$160,043	Q3: \$ 309,525	Q4: \$83,291
FY2016:	Q1: \$361,087	Q2: \$776,180	Q3: \$1,091,711	Q4: \$1,034,399
FY2017:	Q1: \$743,430	Q2: 652,069	Q3: \$581,475	Q4: \$467,833

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

Design Start: 7/28/14	Design Complete: 2/25/15
Construction Start: 4/30/15	Construction Finish: 11/24/16

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

N/A

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

No revenues will be derived from this project.

7. An explanation of the means of financing:

Source of funding: Campus Life Receipts

APPENDIX D



North Carolina Department of Administration

Pat McCrory, Governor
Bill Daughtridge, Jr., Secretary

State Construction Office
Gregory A. Driver, PE, Director

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

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: NC State University
PROJECT IDENTIFICATION: Greek Village Phase II, Infrastructure
PROJECT TYPE: General Bldg.
CLASSIFICATION: New Facilities

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

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

Mailing Address:
1307 Mail Service Center
Raleigh, N.C. 27699-1307

Telephone (919) 807-4100
Fax (919) 807-4110
State Courier #56-02-01
An Equal Opportunity/Affirmative Action Employer

Location:
301 N. Wilmington St., Suite 450
Raleigh, North Carolina 27601

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WorkflowStep for Proposed Capital Improvement Project OC-25: 201360500315

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

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

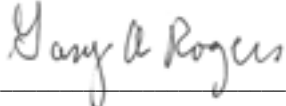
(From Est, Date to mid-point of construction) = 20 months @ 0.04%

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

\$50,010

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

\$6,301,000

DATE RECEIVED: 2014-10-29	APPROVED BY: grogers	DATE APPROVED: 2014-10-29
CERTIFICATION The State Construction Office in accordance with GS 143-341(3) certifies the feasibility of this Statement of Need pursuant to GS 143-6.  Signature: _____ Date: 2014-10-29		

COMMENTS:

1. [2014-10-29 11:13:09] vstephenson - Approve
2. [2014-10-29 11:12:36] vstephenson - Submit
3. [2014-10-06 15:03:19] lflewellen - Reject
4. [2014-10-06 15:03:09] lflewellen - Please revise and resubmit breaking down building construction cost.
5. [2014-09-24 14:31:37] vstephenson - Save
6. [2014-09-24 14:30:40] vstephenson - Save
7. [2014-09-24 14:30:22] vstephenson - Save
8. [2014-09-24 14:20:26] vstephenson - Save
9. [2014-09-24 14:17:44] vstephenson - Submit
10. [2014-09-22 15:18:39] lflewellen - Please resubmit and provide breakdown: 2 Chapter Houses and Buildings A,B, and C.

Mailing Address:

1307 Mail Service Center
Raleigh, N.C. 27699-1307

Telephone (919) 807-4100

Fax (919) 807-4110

State Courier #56-02-01

An Equal Opportunity/Affirmative Action Employer

Location:

301 N. Wilmington St., Suite 450
Raleigh, North Carolina 27601

APPENDIX D

WorkflowStep for Proposed Capital Improvement Project OC-25: 201360500315

Page - 3

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

Mailing Address:

*1307 Mail Service Center
Raleigh, N.C. 27699-1307*

Telephone (919) 807-4100

Fax (919) 807-4110

State Courier #56-02-01

An Equal Opportunity/Affirmative Action Employer

Location:

*301 N. Wilmington St., Suite 450
Raleigh, North Carolina 27601*

APPENDIX D

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*: _____

Increase in Authorization from: \$ 250,000 to \$ 2,466,250

Project Title: Campus Way-finding Sign Project

Project Cost: \$2,466,250

Source of Funds: University Funds

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code 41223 Item 316

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

1. A detailed project description and justification:

Project includes design, fabrication, and installation of approximately 1200 signs for main campus. The sign types include accessible blaze, pedestrian way-finding, information kiosk, vehicular way-finding, parking lot identification signs.

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

See attached OC-25 form.

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

Cash Flow Estimate for Total Project Cost						
By End of:	3Q 2015	4Q 2015	1Q 2016	2Q 2016	1Q 2016	Total
Expected Expenditure	\$246,625	\$616,563	\$739,875	\$616,563	\$246,625	\$2,466,250

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

Spring 2015 – design and specifications complete

May - December 2015 – initial phase installation

January – December 2016 – final phase installation

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: Open Space Trust Funds

APPENDIX D

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*: _____

Increase in Authorization from: \$ 250,000 to \$ 2,466,250

Project Title: Campus Way-finding Sign Project

Project Cost: \$2,466,250

Source of Funds: University Funds

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code 41223 Item 316

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

1. A detailed project description and justification:

Project includes design, fabrication, and installation of approximately 1200 signs for main campus. The sign types include accessible blaze, pedestrian way-finding, information kiosk, vehicular way-finding, parking lot identification signs.

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

See attached OC-25 form.

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

Cash Flow Estimate for Total Project Cost						
By End of:	3Q 2015	4Q 2015	1Q 2016	2Q 2016	1Q 2016	Total
Expected Expenditure	\$246,625	\$616,563	\$739,875	\$616,563	\$246,625	\$2,466,250

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

Spring 2015 – design and specifications complete

May - December 2015 – initial phase installation

January – December 2016 – final phase installation

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: Open Space Trust Funds

APPENDIX D

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:

Project Title: Morehead Planetarium Building, Renovation of Classrooms, Offices and Exhibit Space

Project Cost: \$5,576,122

Source of Funds: University Foundation Account

*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 improve the existing Planetarium by increasing accessibility, improving visitor flow and enlarging the public educational space. Approximately 8,000 square feet of staff offices, classrooms and exhibit halls will be renovated and new educational exhibits will be installed.

2. 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

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

3Q 2015	4Q 2015	1Q 2016	2Q2016	3Q 2016		3Q 2018	4Q 2018	1Q 2019	2Q 2019
\$250,000	\$500,000	\$500,000	\$2,000,000	\$1,000,000		\$350,000	\$350,000	\$350,000	\$276,122

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

Substantial Completion 7/1/2019

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):

No anticipated change in maintenance cost is anticipated with this interior renovation

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 anticipated revenue will be generated by this project.

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

APPENDIX D

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: The University of North Carolina at Chapel Hill DATE: 11/26/14
PROJECT IDENTIFICATION: Morehead Planetarium Building, Renovation of Classrooms, Offices and Exhibit Space
PROJECT CITY or LOCATION: Chapel Hill, North Carolina

PROJECT DESCRIPTION & JUSTIFICATION:

This project will improve the existing Planetarium by increasing accessibility, improving visitor flow and enlarging the public educational space. Approximately 8,000 square feet of staff offices, classrooms and exhibit halls will be renovated and new educational exhibits will be installed.

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

CURRENT ESTIMATED CONSTRUCTION COST

QTY	UNIT	COST PER UNIT	TOTAL
			\$0
A.	Land Requirement		
B.	Site Preparation		
1.	Demolition & Abatement	1 Lump Sum \$ 150,000.00	\$150,000
2.	Site Work		\$0
C.	Construction		
1.	Utility Services		\$0
2.	Building Construction (new space)		\$0
3.	Building Construction (existing)	1 Lump Sum \$ 475,000.00	\$475,000
4.	Plumbing	1 Lump Sum \$ 70,000.00	\$70,000
5.	HVAC	1 Lump Sum \$ 480,000.00	\$480,000
6.	Electrical (Includes TV & Radio Studio)	1 Lump Sum \$ 375,000.00	\$375,000
7.	Fire Suppression and Alarm Systems	1 Lump Sum \$ 30,000.00	\$30,000
8.	Telephone, Data, Video	1 Lump Sum \$ 300,000.00	\$300,000
9.	Associated Construction Costs	1 Lump Sum \$ 85,000	\$85,000
10.	Other: <u>Correct Accessibility Deficiencies</u>	1 Lump Sum \$ 340,000	\$340,000
D.	Equipment		\$0
1.	Fixed	1 Lump Sum \$ 1,100,000.00	\$1,100,000
2.	Moveable	1 Lump Sum \$ 1,500,000.00	\$1,500,000
ESTIMATED CONSTRUCTION COSTS			\$4,905,000

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)	\$490,500
PRECONSTRUCTION COSTS	%	(% of Estimated Construction Costs [1% for CM@Risk])	\$0
COMMISSIONING	0.5 %	(0.5% simple; 1.0% moderate; 1.5% complex)	\$24,525
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])	\$245,250
ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee)			\$5,420,225

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 Costs x Escalation %)

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

APPROVED BY: 

TITLE Director of Facilities Planning & Design

DATE 12/6/14

\$156,097

\$5,576,122

APPENDIX D

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

Institution: UNC-Chapel Hill Advance Planning Request:
New Capital Project*: X

Increase in Authorization from: \$ 0 to \$ 319,700

Project Title: South Building Accessibility Improvements

Project Cost: \$319,700

Source of Funds: F&A 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:

Provide accessibility improvements throughout the building. Include corrections to the exterior ramp, toilet rooms, drinking fountains, and doors.

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):

Cash Flow Estimate for Total Project Cost				
By End of:	3Q 2015	4Q 2015	1Q 2016	Total
Expected Expenditure	\$31,970	\$159,850	\$127,880	\$319,700

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

Design Begins 01-26-15

Construction Begins 06-01-15

Construction Complete 09-25-15

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:

APPENDIX D

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:

DATE: 11/24/14

PROJECT IDENTIFICATION:

South Building Accessibility Improvements

PROJECT CITY or LOCATION:

UNC-Chapel Hill

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

Provide accessibility improvements throughout the building. Include corrections to the exterior ramp, toilet rooms, drinking fountains, doors.

Signage and other ADA Compliance Items.

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

CURRENT ESTIMATED CONSTRUCTION COST

A. Land Requirement

B. Site Preparation

1. Demolition

2. Site Work

C. Construction

1. Utility Services

2. Building Construction (new space)

3. Building Construction (existing)

4. Plumbing (new space)

5. HVAC (new space)

6. Electrical (Includes TV & Radio Studio)

7. Fire Suppression and Alarm Systems

8. Telephone, Data, Video

9. Associated Construction Costs

10. Other:

D. Equipment

1. Fixed

2. Moveable

QTY	UNIT	COST PER UNIT	TOTAL
			\$0

590	SF	\$ 17.00	\$10,030
1	Lump Sum	\$ 38,000.00	\$38,000

			\$0
			\$0
590	SF	\$ 237.00	\$139,830
590	SF	\$ 85.00	\$50,150
590	SF	\$ 8.40	\$4,956
590	SF	\$ 16.80	\$9,912
			\$0
			\$0
1	Lump Sum	\$ 25,000.00	\$25,000
			\$0

			\$0
			\$0

ESTIMATED CONSTRUCTION COSTS

\$277,878

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

DESIGN FEE	10 %	(% of Estimated Construction Costs)
PRECONSTRUCTION COSTS	%	(% of Estimated Construction Costs [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])

\$27,788
\$0
\$0
\$0
\$0
\$0
\$0
\$13,894
\$319,560

ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee)

Escalation = percent per month multiplied by number of months

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

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)

\$319,560

APPROVED BY:

(Governing Board or Agency Head)

TITLE

Director of Facilities
Planning & Design

DATE

12/10/14

APPENDIX D

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

Institution: University of North Carolina at Chapel Hill Advance Planning Request: _____
New Capital Project*: _____

Increase in Authorization from: \$ 0 to \$ 362,439

Project Title: Battle Grove Regenerative Stormwater Conveyance

Project Cost: \$362,439

Source of Funds: NC Department of Natural Resources Section 319 Grant; UNC Energy Services Stormwater 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:

Battle Grove located on main campus, contains a tributary of Battle Branch that was piped in the 1930's. This project will daylight a portion of Battle Branch, enhance the stream buffer, and construct a regenerative stormwater conveyance (RSC) to improve the water quality.

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

See attached OC-25.

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

Cash Flow Estimate for Total Project Cost										
3Q 2014-15	4Q 2014-15	1Q 2015-16	2Q 2015-16	3Q 2015-16	4Q 2015-16	1Q 2016-17	2Q 2016-17	3Q 2016-17	4Q 2016-17	Total
\$ 13,056	\$ 13,056	\$ 18,426	\$ 9,496	\$ 30,569	\$ 114,344	\$ 104,477	\$ 28,173	\$ 28,082	\$ 2,760	\$ 362,439

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

January 2015 – May 2016 – Design

May 2016 – April 2017 - Construction

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: Grant/Stormwater Receipts

APPENDIX D

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: 12/01/14
PROJECT IDENTIFICATION: Battle Grove Regenerative Stormwater Conveyence
PROJECT CITY or LOCATION: Chapel Hill, NC

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

Battle Grove contains a tributary of Battle Branch that was piped in the 1930's. This project will daylight a portion of Battle Branch, enhance the stream buffer, and construct a regenerative stormwater conveyence to improve water quality.

(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	1.75	Acre	\$ 154,889.00	\$271,056
C. Construction				
1. Utility Services				
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:	1	lumpsum	\$7,106	\$7,106
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0
ESTIMATED CONSTRUCTION COSTS				\$278,162

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

DESIGN FEE		% (% of Estimated Construction Costs)	\$70,369
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	5	% (% of Estimated Construction Costs [3% New or 5% R&R])	\$13,908
ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee)			\$362,439

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 %)

\$0

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

\$362,439

APPROVED BY: 

TITLE Director of Facilities Planning & Design

DATE 12/10/14

APPENDIX D

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

Institution: UNC Chapel Hill Advance Planning Request:
New Capital Project*: X

Increase in Authorization from: \$ 0 to \$440,000

Project Title: Medical Biomedical Research Building (MBRB)/Glaxo Building

Project Cost: \$440,000

Source of Funds: F&A 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:

Air Handler Number 3 (AHU-3) serves the second floor (~8000 sf) of the MBRB\Glaxo building. This is a medical research and lab building. As such, AHU-3 is critical to the building's mission. Presently, a temporary rental unit is providing service to the building. AHU-3 was at the end of its useful life and was scheduled to be replaced within the next 3 years. However, it has failed catastrophically and must be replaced immediately. The new AHU will provide conditioned air to the research area and allow for the labs to be properly pressurized to insure health of building occupants.

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):

Cash Flow Estimate for Total Project Cost				
By End of:	2Q 2015	3Q 2015	4Q 2015	Total
Expected Expenditure	\$66,000	\$198,000	\$176,000	\$440,000

4. An estimated schedule for the completion of the project: The project will be completed by late spring (May) 2015

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

n/a

6. 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): NA

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

APPENDIX D

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: Educational institutions (University) UNC Chapel Hill DATE: 12/04/14
PROJECT IDENTIFICATION: Replace AHU-3 in MBRB\Glaxo
PROJECT CITY or LOCATION: Chapel Hill NC
PROJECT DESCRIPTION & JUSTIFICATION: This project will replace AHU=3 which has failed. This is a Medical Research Building and replacing the AHU is critical to its ongoing function

(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)	1	ea.	\$ 350,000.00	\$350,000
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>Contols</u>	1	lump	\$ 30,623.00	\$30,623
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0
ESTIMATED CONSTRUCTION COSTS				\$380,623

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)	\$38,062
PRECONSTRUCTION COSTS		(% of Estimated Construction Costs [1% for CM@Risk])	\$0
COMMISSIONING	0.6 %	(0.5% simple; 1.0% moderate; 1.5% complex)	\$2,284
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% Newor 5% R&R))	\$19,031
ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee)			\$440,000

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: [Signature]
(Governing Board or Agency Head)

TITLE Director of Facilities Planning & Design

DATE 12/04/14

\$0

\$440,000

APPENDIX D

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

Institution: UNC Chapel Hill Advance Planning Request:
New Capital Project*: X

Increase in Authorization from: \$ to \$

Project Title: Campus Safety Upgrade

Project Cost: \$4,750,000

Source of Funds: University 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:

To improve campus safety and University's emergency response, this project will upgrade the Emergency Operation Centers located in the South Building, Public Safety Building and the Environmental Health and Safety Building. In addition, this project will install approximately 800 security cameras for the campus.

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

See attached OC-25

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

Cash Flow Estimate for Total Project Cost					
By End of:	1Q 2015	2Q 2015	3Q 2015	4Q 2015	Total
Expected Expenditure	\$475,000	\$1,187,500	\$1,662,500	\$1,425,000	\$4,750,000

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

Start: 1st quarter 2015

Substantial Completion 12/1/2015

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

n/a

6. 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:

APPENDIX D

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: 12/01/14
 PROJECT IDENTIFICATION: Campus Safety Upgrades
 PROJECT CITY or LOCATION: Chapel Hill, NC

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

To improve campus safety and University's emergency response, this project will upgrade the Emergency Operation Centers located in the South Building, Public Safety Building and Environmental Health and Safety Building. In addition, this project will install approximately 800 security cameras for the campus.

(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 South Building)	500	SF	\$ 250.00	\$125,000
4. Plumbing (new space)				\$0
5. HVAC (new space)				\$0
6. Electrical (Includes TV & Radio Studio)	3000	SF	\$ 30.00	\$90,000
7. Fire Supression and Alarm Systems				\$0
8. Telephone, Data, Video	800	EA	\$ 3,700.00	\$2,960,000
9. Associated Construction Costs	1	Lump Sum	\$ 45,000.00	\$45,000
10. Other: <u>Emergency Generator</u>	1	Lump Sum	\$ 250,000.00	\$250,000
D. Equipment				
1. Fixed (Security System Equipment)	1	Lump Sum	\$ 660,000.00	\$660,000
2. Moveable				\$0
ESTIMATED CONSTRUCTION COSTS				\$4,130,000

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)	\$413,000
PRECONSTRUCTION COSTS	<u> </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> </u> %	(1.25% estimated)	\$0
SUSTAINABILITY	<u> </u> %	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	<u> </u> %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	\$0
CONTINGENCIES	<u>5</u> %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$206,500
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	\$4,749,500

Escalation = percent per month multiplied by number of months

(From Est. Date to mid-point of construction) = 14 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)

\$4,749,500

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

TITLE Director of Facilities Planning & Design

DATE 12/01/14

APPENDIX D

The University of North Carolina Request for New or Increase in Capital Improvement Project
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Institution: <u>University of North Carolina at Pembroke</u>	Advance Planning Request: New Capital Project*: <u>X</u>
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Increase in Authorization from: \$ _____ to \$ _____

Project Title: Renovate Existing Toilets - Belk Hall

Project Cost: \$498,750.00

Source of Funds: Student Affairs Non-Appropriated

*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: Belk Hall was constructed in 1969. The toilets have never been renovated and are in need of renovation. This project will install water saving fixtures and ensure that the toilets are ADA compliant. The existing finishes and toilet partitions will be upgraded.
2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (a completed OC-25 form) See OC-25
3. An estimated schedule of cash flow requirements over the life of the project by FY quarters (Answer for capital construction only): The project will be completed during the third and forth quarters of FY 2014-15
4. An estimated schedule for the completion of the project: The project will be completed not later than June 29, 2015
5. An estimate of maintenance and operating costs and source of funding to support these costs, including personnel, covering the first five years of operation (Answer for capital construction only): N/A
6. 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: The project is being funded by Student Affairs with in-hand funds.

APPENDIX D

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: UNCP -Student Affairs DATE: 11/03/14
PROJECT IDENTIFICATION: Renovate Toilets - Belk Hall
PROJECT CITY or LOCATION: University of North Carolina at Pembroke
Belk Hall was constructed in 1969. The toilets have never been renovated

(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			\$0
B. Site Preparation				
1. Demolition	5	Floor	\$ 5,347.40	\$26,737
2. Site Work	0			\$0
C. Construction				
1. Utility Services	0			\$0
2. Building Construction (new space)	0			\$0
3. Building Construction (existing)	5	Floor	\$ 40,000.00	\$200,000
4. Plumbing (new space)	5	Floor	\$ 36,900.00	\$184,500
5. HVAC (new space)	0			\$0
6. Electrical (Includes TV & Radio Studio)	0			\$0
7. Fire Suppression and Alarm Systems	0			\$0
8. Telephone, Data, Video	0			\$0
9. Associated Construction Costs	5	Floor	\$ 4,752.60	\$23,763
10. Other:	0			\$0
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0
ESTIMATED CONSTRUCTION COSTS				\$435,000

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

DESIGN FEE	9.65 %	(% of Estimated Construction Costs)	\$42,000
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
		Includes programming, feasibility, analysis	
ADVANCE PLANNING	0 %	(% of Estimated Construction Costs)	\$0
CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$21,750
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	\$498,750

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: _____

(Governing Board or Agency Head)

TITLE _____

DATE _____

\$0

\$498,750

APPENDIX D

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

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

Increase in Authorization from: \$ to \$

Project Title: CBC Chiller Plant Expansion

Project Cost: AP Request \$200,000 (Total Project Cost \$3,626,448)

Source of Funds: Thermal Assessments

*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:

Centennial Biomedical Campus will experience significant growth in the next ten years, resulting in an increased demand for a chiller plant expansion. This project will provide complete design, procurement, and installation services to increase the chilled water generation capacity at the Centennial Biomedical Campus Utility Plant. Design and construction will be funded in phases as funding availability permits.

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):

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

Design Start: January 19, 2015

Design Complete: May 31, 2016

Construction Start: August 1, 2016

Construction Complete: March 30, 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):

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:

Thermal assessments currently residing in 41224 306 will be transferred after authority approval to fund initial design. Future thermal assessments will fund future phases of the project.

APPENDIX D

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: 11/24/14
PROJECT IDENTIFICATION: Centennial Biomedical Campus Chiller Plant Expansion
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.)
Centennial Biomedical Campus will experience significant growth in the next ten years, resulting in an increased demand for a chiller plant expansion. This project will provide complete design, procurement, and installation services to increase the chilled water generation capacity at the Centennial Biomedical Campus Utility Plant.

(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)	15,504	GSF	\$ 15.00	\$232,560
4. Plumbing (existing space)				\$0
5a. HVAC (existing space)	15,504	GSF	\$ 45.00	\$697,680
5b. HVAC (controls)	15,504	GSF	\$ 16.00	\$248,064
6. Electrical (existing space)	15,504	GSF	\$ 18.00	\$279,072
7. Fire Suppression and Alarm Systems (upgrade system)	15,504	GSF	\$ 5.00	\$77,520
8. Telephone, Data, Video (existing space)				\$0
9. Associated Construction Costs	1	lump sum	\$ 120,000.00	\$120,000
10. Other:				\$0
D. Equipment				
1. Cooling Tower	1	unit	\$ 684,000.00	\$684,000
2. Chiller	1	unit	\$ 627,000.00	\$627,000
ESTIMATED CONSTRUCTION COSTS				\$2,965,896

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

DESIGN FEE	10 %	(% of Estimated Construction Costs)	\$296,590
PRECONSTRUCTION COSTS	1 %	(% of Estimated Construction Costs [1% for CM@Risk])	\$29,659
COMMISSIONING	1.5 %	(0.5% simple; 1.0% moderate; 1.5% complex)	\$44,488
SPECIAL INSPECTIONS/MATERIALS	0.25 %	(1.25% estimated)	\$7,415
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])	\$148,295
ESTIMATED COSTS	(% of Estimated Construction Costs + Contingencies + Design Fee)		\$3,492,343

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 %)

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

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

TITLE University Architect

DATE 11.25.14

\$134,106

\$3,626,448

APPENDIX D

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

Institution: North Carolina A& T State University Advance Planning Request: _____
New Capital Project*: _____

Increase in Authorization from: \$ 1,200,000 to \$ 4,528,000

Project Title: Agricultural Pavilion

Project Cost: \$4,500,000

Source of Funds: Federal Grant

*If this project has previously had advance planning authority, please identify code/item number under which that authority is carried. Code 40437 Item 305

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

1. A detailed project description and justification: Project will construct a new 17,200 square feet facility that will include a 6,000 square feet multipurpose room, offices and class rooms.
2. An estimate of acquisition, planning, design, site development, construction, contingency and other related costs (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): All Cash Project - No State Funds will be required -No Cash From State Resources will be required
4. An estimated schedule for the completion of the project: Designer Selection February 2015
5. Design Contract March 2015; Schematic Design Submittal March 2015; Design Development Submittal September 2015; Construction Document Submittal February 2016; Construction Start June 2016; Construction Complete July 2017;
6. 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): Source of Funds - Federal Grant
7. 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
8. An explanation of the means of financing: Project is Funded By Federal Grant

APPENDIX D



North Carolina Department of Administration

Pat McCrory, Governor
Bill Daughtridge, Jr., Secretary

State Construction Office
Gregory A. Driver, PE, Director

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

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: NC A & T State University
PROJECT IDENTIFICATION: Construction of Agriculture and Environmental Sciences Pavilion at NC A&T State University
PROJECT TYPE: Multi-purpose Bldg.
CLASSIFICATION: New Facilities

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

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

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

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

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

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

Mailing Address:
1307 Mail Service Center
Raleigh, N.C. 27699-1307

Telephone (919) 807-4100
Fax (919) 807-4110
State Courier #56-02-01
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Location:
301 N. Wilmington St., Suite 450
Raleigh, North Carolina 27601

APPENDIX D

WorkflowStep for Proposed Capital Improvement Project OC-25: 20136050094

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

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WorkflowStep for Proposed Capital Improvement Project OC-25: 20136050094

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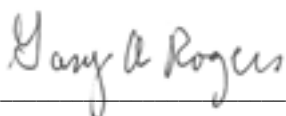
DESIGN FEE	9% (% of Estimated Construction Costs)	\$354,662
PRECONSTRUCTION COSTS	1% (% of Estimated Construction Costs [1% for CM@Risk])	\$39,406
COMMISSIONING FEE	1% (0.5% simple, 1% moderate, 1.5% complex)	\$39,406
SPECIAL INSPECTIONS/MATERIALS	1% (1.25% Estimated)	\$39,406
SUSTAINABILITY	0% (3% LEED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

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

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

ESCALATION COST INCREASE = (Total of Estimated Construction Costs x Escalation %) **\$35,939**

TOTAL ESTIMATED PROJECT COSTS (Estimated Construction Costs + Escalation Cost increase) **\$4,528,000**

DATE RECEIVED: 2014-10-13	APPROVED BY: grogers	DATE APPROVED: 2014-10-22
CERTIFICATION The State Construction Office in accordance with GS 143-341(3) certifies the feasibility of this Statement of Need pursuant to GS 143-6.  Signature: _____ Date: 2014-10-22		

COMMENTS:

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

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APPENDIX D

WorkflowStep for Proposed Capital Improvement Project OC-25: 20136050094

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

Mailing Address:

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