

Authorization of New Capital Improvement Projects – Appalachian State University, North Carolina State University, University of North Carolina at Chapel Hill, and University of North Carolina at Greensboro

Appalachian State University, North Carolina State University, the University of North Carolina at Chapel Hill, and the University of North Carolina at Greensboro have requested authority to proceed with non-appropriated capital projects using available funds derived from receipts, student fees, foundation funds, trust funds, research facilities and administrative funds, and carried forward operating funds.

ASU – Replacement of Steam System Condensate Line – This project will replace 700 linear feet of condensate return line that has deteriorated. Line replacement will reduce chemical treatment costs associated with lost steam system water and improve the overall efficiency of the steam system. This \$499,000 project will be funded from existing reserves in the Steam Trust Fund.

ASU – State Farm Recreational Field Improvements – These fields will be reshaped taking advantage of spoils from an Army Corps project of restoring the adjacent creek. This will improve drainage and repair surface irregularities. The fields will be reseeded and existing lighting will be relocated and, in some instances, replaced. This \$1,225,000 authorization will be funded from balances accrued from education and recreation fees.

ASU – Steam Plant Roof Replacement – The existing roof membrane, parapets, and flashing have deteriorated to the point of leaking and the roof shows signs of structural failure. Roof repairs to these components are required to ensure a weatherproof and safe condition. This \$1,030,000 authorization will be funded from existing steam trust funds.

NCSU – Centennial Campus Reuse Water – The campus has negotiated a 50% water rate with the city of Raleigh to reuse water coming from a regional treatment plant for use on the Centennial Campus. Reuse water will be used for irrigation, commode supply for the Hunt Library, and cooling tower water for the central utility plant. As part of the agreement, the city provided a service main into the campus to a central pump station and eliminated sewer charges for the water that will be expended through irrigation and evaporation in the plant. This \$1,083,000 construction authorization will allow the installation of distribution lines on the campus. It will be funded from funds carried forward from the previous fiscal year.

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NCSU – 3501 Avent Ferry Renovation – The university was able to acquire a former fraternity building located at this address in Raleigh at a bargain sale. The building is of masonry construction and is configured to easily convert to administrative space. It is located on the university bus line and has excellent parking to offer easy access to visitors conducting business with the future occupants. This will free up space in the campus core for the admissions office. This \$1,300,400 authorization will allow renovation of the three-story, 21,714 square-foot structure. It will be funded from funds carried forward from the previous fiscal year.

NCSU – Morrill Entrance Safety Improvements – This project improves the entrance at the intersection of Western Boulevard and Morrill Drive. Pedestrian safety is improved with the addition of sidewalks, signage, site lighting and other site improvements. Site stabilization and drainage will also be improved by the addition of plantings and storm water structures. This \$394,000 project will be funded equally from funds carried forward from the previous fiscal year and the Athletics Trust Fund.

UNC-CH – Burnett Womack First Floor Renovations – UNC Hospitals needs to expand inpatient care capacity. Therefore, to free up space, the Clinical and Translational Research Center (CTRC) is being consolidated into Burnett Womack where a portion of this center currently exists. The facility will undergo renovations to expand current outpatient clinical research capacity for a variety of School of Medicine research studies, encompassing human subject interviews, exams, minor procedures, infusion trials, and extended stay visits for both children and adults. Some rooms on the floor will be reconfigured for more efficient and safer operations. Bathrooms will be added within the suite and finishes and furnishings will be updated. The \$2,000,000 project will be funded from clinical receipts from the School of Medicine, UNC Hospitals.

UNC-CH – Bynum Hall Third Floor Renovation – Bynum Hall is a three-story building that was originally constructed as a gymnasium in 1905. In the 1930's, it was renovated to house various university offices. The purpose of the currently proposed third floor renovation is to improve the space utilization and work efficiency. The scope of work includes installation of new doors and partitions, new suspended acoustical ceilings in selected areas, new wall and floor finishes, replacement of existing air handling unit and radiators serving the space with a new variable air volume system and new power and data wiring. The \$500,000 project will be funded from accumulated research facilities and administrative funds.

APPENDIX E

UNC-CH – Manning Steam Plant Upgrade – The campus has a combined heat and power plant providing optimal fuel efficiency. With campus expansion, there is the opportunity to increase plant electrical generation capacity using the campus steam base load. With the addition of 13.5-megawatt combustion turbine, additional power can be produced to supply the campus without expending any additional fuel. Sufficient cash balances in the campus Utilities Trust Fund will support this \$33,000,000 installation. The capital cost will be recouped through electricity savings in five years.

UNC-CH – Manning Steam Plant Re-Roofing – The roofing systems at the cogeneration facility have reached their design life and are beginning to fail. Six roof replacements are needed. Sufficient cash balances in the campus Utilities Trust Fund will support this \$496,000 project.

UNC-CH Hill Hall Renovations – Hill Hall was originally built in 1907 as a library and later established as the Music Department building with the addition of an auditorium. The project will add HVAC to portions of the building, restore the rotunda of the original Carnegie Library, and provide acoustical improvements to the auditorium. Work will provide for back of house functions such as rehearsal space, practice rooms, offices, and dressing rooms. The building will be brought into compliance with code and accessibility requirements. Equal contributions from the Kenan Trust, university research facilities and administrative funds, and the Arts and Sciences Foundation will enable this \$15,000,000 renovation to proceed.

UNC-CH Howell Hall Renovation – This building has significant deferred maintenance and code related issues that must be addressed to keep the building functional for the Department of Psychology. Major issues to be remedied include egress, fire safety, and mechanical system deficiencies. Currently there is one central stair that serves the building. Two protected means of egress from each floor above ground level will be constructed. A fire sprinkler system will be installed. A central HVAC system will be installed and the building will be connected to central thermal utilities. The \$5,297,400 project will be funded from existing balances derived from university facilities and administrative funds.

UNC-G North and South Spencer Residence Hall Roof Replacement – This project consists of the removal and replacement of 41,500 square feet of deteriorated roof on the North Spencer and South Spencer Residence Halls. The \$1,055,000 project will be funded from existing balances derived from university housing receipts.

It is recommended that these projects and methods of funding be authorized and reported to the Office of State Budget and Management as non-appropriated projects that will not require any additional debt or burden on state appropriations.

APPENDIX E

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: 12/13/13
PROJECT IDENTIFICATION: Stadium Parking Lot - Steam Condensate Repairs
PROJECT CITY or LOCATION: ASU MAIN CAMPUS, BOONE, NC
PROJECT DESCRIPTION & JUSTIFICATION: Replace 700 linear feet of condensate line from Kid Brewer Stadium to Trivette Hall Steam Manhole.
Design will be completed in-house. Current condensate lines have failed. Repairing condensate lines will assist ASU in recovering condensate,
reducing energy consumption, and make up water costs.

(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	700	LF	\$ 100.00	\$70,000
2. Site Work				\$0
C. Construction				
1. Utility Services	700	LF	\$ 551.50	\$386,050
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 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

\$456,050

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

DESIGN FEE	<u>2</u> %	(% of Estimated Construction Costs)	\$9,121
PRECONSTRUCTION COSTS	<u>0.5</u> %	(% of Estimated Construction Costs [1% for CM@Risk])	\$2,280
COMMISSIONING	<u> </u> %	(0.5% simple; 1.0% moderate; 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS	<u>2</u> %	(1.25% estimated)	\$9,121
SUSTAINABILITY	<u> </u> %	(3% LEED Gold, 2% LEED Silver)	\$0
		Includes programming, feasibility, analysis	
ADVANCE PLANNING	<u> </u> %	(% of Estimated Construction Costs)	\$0
CONTINGENCIES	<u>5</u> %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$22,803
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	\$499,375

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)

\$499,375

APPROVED BY: _____

TITLE _____

DATE _____

APPENDIX E

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: 12/13/13
PROJECT IDENTIFICATION: State Farm Rec Field Improvements
PROJECT CITY or LOCATION: ASU MAIN CAMPUS, BOONE, NC
PROJECT DESCRIPTION & JUSTIFICATION: The project will use 10,000 cubic yards (CY) of spoils generated from an Army Corps of Engineers (ACOE) Creek restoration project on university property to reshape existing student recreation fields to improve drainage and repair irregularities. The project will use . The fields will be reseeded and field lighting will be relocated and improved.

(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	2	ea	\$ 20,000.00	\$40,000
C. Construction				
1. Utility Services				\$0
2. Building Construction (new space)				\$0
3. Building Construction (existing)	2	ea	\$ 330,000.00	\$660,000
4. Plumbing (new space)				\$0
5. HVAC (new space)				\$0
6. Electrical (Includes TV & Radio Studio)	2	ea	\$ 150,000.00	\$300,000
7. Fire Supression and Alarm Systems				\$0
8. Telephone, Data, Video				\$0
9. Associated Construction Costs				\$0
10. Other: <u>Physical Plant Landscaping</u>	1	ea	\$ 30,000.00	\$30,000
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0
ESTIMATED CONSTRUCTION COSTS				\$1,030,000

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

DESIGN FEE	<u>12</u> %	(% of Estimated Construction Costs)	\$123,600
PRECONSTRUCTION COSTS	<u>0.5</u> %	(% of Estimated Construction Costs [1% for CM@Risk])	\$5,150
COMMISSIONING	<u></u> %	(0.5% simple; 1.0% moderate; 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS	<u>1</u> %	(1.25% estimated)	\$10,300
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])	\$51,500
ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee)			\$1,220,550

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) **\$1,220,550**

APPROVED BY: _____ TITLE _____ DATE _____

APPENDIX E

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: 12/13/13
PROJECT IDENTIFICATION: Steam Plant Roof Repairs/ Replacement
PROJECT CITY or LOCATION: ASU MAIN CAMPUS, BOONE, NC
PROJECT DESCRIPTION & JUSTIFICATION: Replace 18 year old PVC roof on Central steam plant approximately 20,000(+) SqFt.
Repair knee wall stone caps approximately 1100 LF (dowels, flashing, caulk). 18year old roof that has deteriorated due to UV exposure
Joint Seals have deteriorated, causing water intrusion into the facility

(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	20000	SF	\$ 4.45	\$89,000
2. Site Work				\$0
C. Construction				
1. Utility Services				\$0
2. Building Construction (new space)				\$0
3. Building Construction (existing)	20000	SF	\$ 22.00	\$440,000
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	1	LS	\$ 12,000.00	\$12,000
10. Other: <u>STONE CAP REPAIR</u>	1100	LF	\$ 300.00	\$330,000
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0

ESTIMATED CONSTRUCTION COSTS **\$871,000**

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

DESIGN FEE	<u>11</u> %	(% of Estimated Construction Costs)	\$95,810
PRECONSTRUCTION COSTS	<u>1</u> %	(% of Estimated Construction Costs [1% for CM@Risk])	\$8,710
COMMISSIONING	<u> </u> %	(0.5% simple; 1.0% moderate; 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS	<u>1.25</u> %	(1.25% estimated)	\$10,887.50
SUSTAINABILITY	<u> </u> %	(3% LEED Gold, 2% LEED Silver)	\$0
		Includes programming, feasibility, analysis	
ADVANCE PLANNING	<u> </u> %	(% of Estimated Construction Costs)	\$0
CONTINGENCIES	<u>5</u> %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$43,550
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	\$1,029,958

Escalation = percent per month multiplied by number of months

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

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

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

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

TOTAL ESTIMATED PROJECT COSTS (Estimated Costs + Escalation Cost Increase) **\$1,029,958**

APPROVED BY: _____ TITLE _____ DATE _____

APPENDIX E

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: 09/04/13
PROJECT IDENTIFICATION: Reuse Water Line Extension
PROJECT CITY or LOCATION: Raleigh - Centennial Campus Precinct

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

This project will extend the reuse water line from a new pumping station near Achievement Drive to the Centennial Campus Utility Plant (CCUP) by way of Main Campus Drive. The project is to be completed in two phases.

(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	1		\$ 1,305,903.00	\$1,305,903
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 Suppression and Alarm Systems				\$0
8. Telephone, Data, Video				\$0
9. Associated Construction Costs	1		\$ 18,600.00	\$18,600
10. Other:				\$0
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0

ESTIMATED CONSTRUCTION COSTS

\$1,324,503

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)	\$132,450
PRECONSTRUCTION COSTS	0.25 %	(% of Estimated Construction Costs [1% for CM@Risk])	\$3,311
COMMISSIONING	0 %	(0.5% simple; 1.0% moderate; 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS	0 %	(1.25% estimated)	\$0
SUSTAINABILITY	0 %	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	0 %	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	\$0
CONTINGENCIES	3 %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$39,735
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	\$1,500,000

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 Costs x Escalation %)

\$0

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

\$1,500,000

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

TITLE University Architect

DATE 9.17.13

APPENDIX E

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: 01/14/14
PROJECT IDENTIFICATION: 3501 Avent Ferry Renovation
PROJECT CITY or LOCATION: Raleigh, North Carolina
PROJECT DESCRIPTION & JUSTIFICATION: (Attach add'l data as necessary to indicate need, size, function of improvements as well as a master plan.)
This project will convert the 21,714 gsf, three-story building from residential to office use. MEP and finishes improvements are part of the project.

(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	2.7	acre	\$ 50,000.00	\$135,000
C. Construction				
1. Utility Services	1	lump sum	\$ 40,000.00	\$40,000
2. Building Construction (new space)				\$0
3. Building Construction (existing)	21714	GSF	\$ 18.44	\$400,406
4. Plumbing (new space)	21714	GSF	\$ 1.00	\$21,714
5. HVAC (existing)	21714	GSF	\$ 6.00	\$130,284
6. Electrical (existing)	21714	GSF	\$ 3.00	\$65,142
7. Fire Suppression and Alarm Systems	21714	GSF	\$ 5.00	\$108,570
8. Telephone, Data, Video				\$0
9. Associated Construction Costs	1	lump sum	\$ 200,032.00	\$200,032
10. Other:				\$0
D. Equipment				
1. Fixed				\$0
2. Moveable				\$0
ESTIMATED CONSTRUCTION COSTS				\$1,101,148

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)	\$110,115
PRECONSTRUCTION COSTS	1.25 %	(% of Estimated Construction Costs [1% for CM@Risk])	\$13,764
COMMISSIONING	1 %	(0.5% simple; 1.0% moderate; 1.5% complex)	\$11,011
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])	\$55,057
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	\$1,291,096

Escalation = percent per month multiplied by number of months

(From Est. Date to mid-point of construction) = 18 months 0.04 % per month

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

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

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

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

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

TITLE University Architect

DATE 1/17/14

\$9,296

\$1,300,392

APPENDIX E
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: 01/17/14
PROJECT IDENTIFICATION: Morrill Entrance and Safety Improvements
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 project improves the entrance at the intersection of Western Boulevard and Morrill Drive. Pedestrian safety is improved with the addition of sidewalks, signage, site lighting, and other site improvements. Site stabilization and drainage will also be improved with the addition of plantings and storm water structures.

(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	\$ 291,103.00	\$291,103
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	1	Lump sum	\$ 40,000.00	\$40,000
7. Fire Supression and Alarm Systems				\$0
8. Telephone, Data, Video				\$0
9. Associated Construction Costs (survey & testing)	1	Lump sum	\$ 6,800.00	\$6,800
10. Other:				\$0
D. Equipment				
1. Fixed	1	Lump sum	\$ 10,000.00	\$10,000
2. Moveable				\$0
ESTIMATED CONSTRUCTION COSTS				\$347,903

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)	\$34,790
PRECONSTRUCTION COSTS	0.25 %	(% of Estimated Construction Costs [1% for CM@Risk])	\$870
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	3 %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$10,437
ESTIMATED COSTS (% of Estimated Construction Costs + Contingencies + Design Fee)			\$394,000

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)

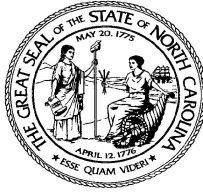
APPROVED BY: [Signature]
(Governing Board or Agency Head)

TITLE University Architect

DATE 1/22/14

\$0
\$394,000

APPENDIX E



North Carolina Department of Administration

Pat McCrory, Governor
Bill Daughtride, Jr., Secretary

State Construction Office
Gregory A. Driver, PE, Director

OC-25: 201360500221
Proposed Capital Improvement Project
Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: UNC Chapel Hill
PROJECT IDENTIFICATION: burnett womack 1st floor renovation
PROJECT TYPE: General Bldg.
CLASSIFICATION: Repairs, Reroofing, Renovations

PROJECT DESCRIPTION AND JUSTIFICATION: Renovation of approximately 5,400 SF on the 1st Floor of Burnett Womack Building for Clinical Translational Research Center. Compliance with Sustainable, Energy Efficient Buildings not required.

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>COST PER UNIT</u>	<u>TOTAL</u>
3. Building Construction (existing)	1.0	Lump Sum	\$1,300,000	\$1,300,000
8. Telephone, Data, Video	1.0	Lump Sum	\$15,000	\$15,000
10. Other	1.0	Lump Sum	\$250,000	\$250,000
2. Moveable	1.0	Lump Sum	\$40,000	\$40,000
ESTIMATED CONSTRUCTION COST:				\$1,605,000

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APPENDIX E

WorkflowStep for Proposed Capital Improvement Project OC-25: 201360500221

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DESIGN FEE	7.8%	(% of Estimated Construction Costs)	\$125,000
PRECONSTRUCTION COSTS	0%	(% of Estimated Construction Costs [1% for CM@Risk])	\$130
COMMISSIONING FEE	0%	(0.5% simple, 1% moderate, 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS	0%	(1.25% Estimated)	\$0
SUSTAINABILITY	0%	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	0%	(% of Estimated Costs - includes programming, feasibility, analysis)	\$0
CONTINGENCIES	4.1%	(% of Estimated Costs [3% New or 5% R&R])	\$66,000
ESTIMATED COSTS	(Estimated Construction Costs + Design Fee + Preconstruction + Commissioning + Special + Sustainability + Advance Planning + Contingencies)		\$1,796,130

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

(From Est, Date to mid-point of construction) = 10 months @ 0.00%

ESCALATION COST INCREASE = (Total of Estimated Construction Costs x Escalation %) **\$0**

TOTAL ESTIMATED PROJECT COSTS (Estimated Construction Costs + Escalation Cost increase) **\$1,796,000**

COMMENTS:

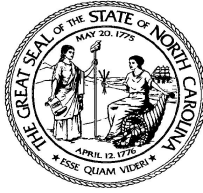
1. [2014-01-13 13:35:19] broenigk - Copied from: Burnett Womack 1st Floor Renovation for CTRC

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APPENDIX E



North Carolina Department of Administration

Pat McCrory, Governor
Bill Daughtride, Jr., Secretary

State Construction Office
Gregory A. Driver, PE, Director

OC-25: 201360500216
Proposed Capital Improvement Project
Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: UNC Chapel Hill
PROJECT IDENTIFICATION: Bynum Hall - 3rd Floor Renovation
PROJECT TYPE: General Bldg.
CLASSIFICATION: Other

PROJECT DESCRIPTION AND JUSTIFICATION: Renovate portions (6,030SF) of the 3rd Floor to improve space utilization and work efficiency.

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>COST PER UNIT</u>	<u>TOTAL</u>
3. Building Construction (existing)	6030.0	Square Feet	\$68.05	\$410,341.53
7. Fire Suppression and Alarm Systems	1.0	Lump Sum	\$2,496	\$2,496
8. Telephone, Data, Video	1.0	Lump Sum	\$5,200	\$5,200
ESTIMATED CONSTRUCTION COST:				\$418,038

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APPENDIX E

WorkflowStep for Proposed Capital Improvement Project OC-25: 201360500216

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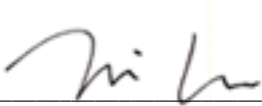
DESIGN FEE	10% (% of Estimated Construction Costs)	\$41,803
PRECONSTRUCTION COSTS	0% (% of Estimated Construction Costs [1% for CM@Risk])	\$0
COMMISSIONING FEE	1% (0.5% simple, 1% moderate, 1.5% complex)	\$4,180
SPECIAL INSPECTIONS/MATERIALS	0% (1.25% Estimated)	\$0
SUSTAINABILITY	0% (3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	3% (% of Estimated Costs - includes programming, feasibility, analysis)	\$12,541
CONTINGENCIES	5% (% of Estimated Costs [3% New or 5% R&R])	\$20,901
ESTIMATED COSTS	(Estimated Construction Costs + Design Fee + Preconstruction + Commissioning + Special + Sustainability + Advance Planning + Contingencies)	\$497,463

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

(From Est, Date to mid-point of construction) = 0 months @ 0.00%

ESCALATION COST INCREASE = (Total of Estimated Construction Costs x Escalation %) **\$0**

TOTAL ESTIMATED PROJECT COSTS (Estimated Construction Costs + Escalation Cost increase) **\$497,000**

DATE RECEIVED: 2014-01-10	APPROVED BY: grogers	DATE APPROVED: 2014-01-13
<p align="center">CERTIFICATION</p> <p align="center">The State Construction Office in accordance with GS 143-341(3) certifies the feasibility of this Statement of Need pursuant to GS 143-6.</p> <p>Signature:  Date: 2014-01-13</p>		

COMMENTS:

1. [2014-01-13 12:24:24] cmclean - Approve
2. [2014-01-13 12:24:08] cmclean - Approved per Gary Rogers
3. [2014-01-10 07:40:54] kpgeer - Submit
4. [2014-01-10 07:39:13] kpgeer - Create

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Pat McCrory, Governor
Bill Daughtridge, Jr., Secretary

State Construction Office
Gregory A. Driver, PE, Director

OC-25: 201360500214
Proposed Capital Improvement Project
Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: UNC Chapel Hill
PROJECT IDENTIFICATION: Manning Steam Plant Upgrade
PROJECT TYPE: General Bldg.
CLASSIFICATION: New Facilities

PROJECT DESCRIPTION AND JUSTIFICATION: Add new 13.5MW combustion turbine to increase electrical generation capacity and improve reliability in case of electrical grid failure

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>COST PER UNIT</u>	<u>TOTAL</u>
2. Building Construction (new space)	1.0	Lump Sum	\$1,006,185	\$1,006,185
4. Plumbing (new space)	1.0	Lump Sum	\$228,000	\$228,000
5. HVAC (new space)	1.0	Lump Sum	\$19,000,000	\$19,000,000
7. Fire Suppression and Alarm Systems	1.0	Lump Sum	\$72,000	\$72,000
10. Other	1.0	Lump Sum	\$825,000	\$825,000
1. Fixed	1.0	Each	\$7,500,000	\$7,500,000
2. Moveable	1.0	Lump Sum	\$13,250	\$13,250
ESTIMATED CONSTRUCTION COST:				\$28,644,436

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APPENDIX E

WorkflowStep for Proposed Capital Improvement Project OC-25: 201360500214

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DESIGN FEE	9%	(% of Estimated Construction Costs)	\$2,577,999
PRECONSTRUCTION COSTS	1%	(% of Estimated Construction Costs [1% for CM@Risk])	\$286,444
COMMISSIONING FEE	1.5%	(0.5% simple, 1% moderate, 1.5% complex)	\$429,666
SPECIAL INSPECTIONS/MATERIALS	1.3%	(1.25% Estimated)	\$358,055
SUSTAINABILITY	0%	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	0%	(% of Estimated Costs - includes programming, feasibility, analysis)	\$0
CONTINGENCIES	3%	(% of Estimated Costs [3% New or 5% R&R])	\$859,333
ESTIMATED COSTS	(Estimated Construction Costs + Design Fee + Preconstruction + Commissioning + Special + Sustainability + Advance Planning + Contingencies)		\$33,155,932

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

(From Est, Date to mid-point of construction) = 0 months @ 0.00%

ESCALATION COST INCREASE = (Total of Estimated Construction Costs x Escalation %) **\$0**

TOTAL ESTIMATED PROJECT COSTS (Estimated Construction Costs + Escalation Cost increase) **\$33,156,000**

COMMENTS:

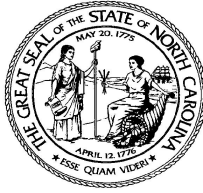
1. [2013-12-04 09:55:57] kpgeer - Create

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APPENDIX E



North Carolina Department of Administration

Pat McCrory, Governor
Bill Daughtride, Jr., Secretary

State Construction Office
Gregory A. Driver, PE, Director

OC-25: 201360500217
Proposed Capital Improvement Project
Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: UNC Chapel Hill
PROJECT IDENTIFICATION: Cogeneration Partial Roof Replacement
PROJECT TYPE: General Bldg.
CLASSIFICATION: Repairs, Reroofing, Renovations

PROJECT DESCRIPTION AND JUSTIFICATION: 1. Roof Replacement-Boiler 6, Boiler 6-Lower West Wing and Boiler 7
2. Roof Replacement-Center Roof Sector between Boiler 6 and Boiler 7
3. Roof Replacement-Water Quality Laboratory
4. Low-slope Modified Bitumen Membrane Roof System over Joshua Gore Building Warehouse-Roof Repair
5. Metal Panel Wall and Roof System over old skylight over Joshua Gore Building Warehouse-Roof Restoration
6. Low-slope Modified Bitumen Membrane Roof System over Diesel Generator Building-Roof Repair

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>COST PER UNIT</u>	<u>TOTAL</u>
3. Building Construction (existing)	1.0	Lump Sum	\$412,000	\$412,000
9. Associated Construction Costs	1.0	Lump Sum	\$19,000	\$19,000
ESTIMATED CONSTRUCTION COST:				\$431,000

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WorkflowStep for Proposed Capital Improvement Project OC-25: 201360500217

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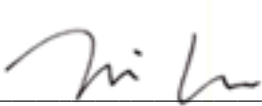
DESIGN FEE	10%	(% of Estimated Construction Costs)	\$43,100
PRECONSTRUCTION COSTS	0%	(% of Estimated Construction Costs [1% for CM@Risk])	\$0
COMMISSIONING FEE	0%	(0.5% simple, 1% moderate, 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS	0%	(1.25% Estimated)	\$0
SUSTAINABILITY	0%	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	0%	(% of Estimated Costs - includes programming, feasibility, analysis)	\$0
CONTINGENCIES	5%	(% of Estimated Costs [3% New or 5% R&R])	\$21,550
ESTIMATED COSTS	(Estimated Construction Costs + Design Fee + Preconstruction + Commissioning + Special + Sustainability + Advance Planning + Contingencies)		\$495,650

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

(From Est, Date to mid-point of construction) = 0 months @ 0.00%

ESCALATION COST INCREASE = (Total of Estimated Construction Costs x Escalation %) **\$0**

TOTAL ESTIMATED PROJECT COSTS (Estimated Construction Costs + Escalation Cost increase) **\$496,000**

DATE RECEIVED: 2014-01-10	APPROVED BY: grogers	DATE APPROVED: 2014-01-13
<p align="center">CERTIFICATION</p> <p align="center">The State Construction Office in accordance with GS 143-341(3) certifies the feasibility of this Statement of Need pursuant to GS 143-6.</p> <p>Signature:  Date: 2014-01-13</p>		

COMMENTS:

1. [2014-01-13 12:22:54] cmclean - Approve
2. [2014-01-13 12:22:42] cmclean - Approved per Gary Rogers
3. [2014-01-10 07:46:07] kpgeer - Submit
4. [2014-01-10 07:44:53] kpgeer - Create

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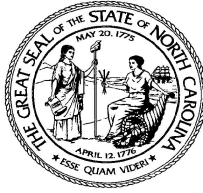
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APPENDIX E



North Carolina Department of Administration

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State Construction Office
Gregory A. Driver, PE, Director

OC-25: 201360500211
Proposed Capital Improvement Project
Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: UNC Chapel Hill
PROJECT IDENTIFICATION: Hill Hall Renovation
PROJECT TYPE: General Bldg.
CLASSIFICATION: Repairs, Reroofing, Renovations

PROJECT DESCRIPTION AND JUSTIFICATION: Partial renovation of an existing academic building used by the Dept of Music. This project will include improvements to a existing performance space. Will comply with GS 143-135.35 thru .40.

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>COST PER UNIT</u>	<u>TOTAL</u>
3. Building Construction (existing)	1.0	Lump Sum	\$11,000,000	\$11,000,000
10. Other	1.0	Lump Sum	\$1,400,000	\$1,400,000
2. Moveable	1.0	Lump Sum	\$10,000	\$10,000
ESTIMATED CONSTRUCTION COST:				\$12,410,000

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APPENDIX E

WorkflowStep for Proposed Capital Improvement Project OC-25: 201360500211

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DESIGN FEE	10%	(% of Estimated Construction Costs)	\$1,241,000
PRECONSTRUCTION COSTS	1%	(% of Estimated Construction Costs [1% for CM@Risk])	\$124,100
COMMISSIONING FEE	0.5%	(0.5% simple, 1% moderate, 1.5% complex)	\$62,050
SPECIAL INSPECTIONS/MATERIALS	1.3%	(1.25% Estimated)	\$155,125
SUSTAINABILITY	2%	(3% LEED Gold, 2% LEED Silver)	\$248,200
ADVANCE PLANNING	1%	(% of Estimated Costs - includes programming, feasibility, analysis)	\$124,100
CONTINGENCIES	5%	(% of Estimated Costs [3% New or 5% R&R])	\$620,500
ESTIMATED COSTS	(Estimated Construction Costs + Design Fee + Preconstruction + Commissioning + Special + Sustainability + Advance Planning + Contingencies)		\$14,985,075

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

(From Est, Date to mid-point of construction) = 0 months @ 0.00%

ESCALATION COST INCREASE = (Total of Estimated Construction Costs x Escalation %) **\$0**

TOTAL ESTIMATED PROJECT COSTS (Estimated Construction Costs + Escalation Cost increase) **\$14,985,000**

COMMENTS:

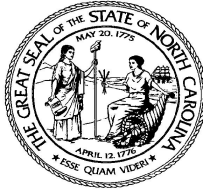
1. [2013-09-20 13:58:56] mkonishi - Create

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APPENDIX E



North Carolina Department of Administration

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Bill Daughtridge, Jr., Secretary

State Construction Office
Gregory A. Driver, PE, Director

OC-25: 201360500210
Proposed Capital Improvement Project
Biennium: 2011-2013

STATE DEPARTMENT: Educational Institutions (Universities)
INSTITUTION OR AGENCY: UNC Chapel Hill
PROJECT IDENTIFICATION: Howell Hall Renovation
PROJECT TYPE: General Bldg.
CLASSIFICATION: Repairs, Reroofing, Renovations

PROJECT DESCRIPTION AND JUSTIFICATION: To Improve accessibility, egress, program requirements for the Psychology Department; to determine needed space improvements and cost of those improvements; and to determine if Howell Hall is the best available option for meeting department teaching, research, and faculty requirements.

<u>ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>COST PER UNIT</u>	<u>TOTAL</u>
3. Building Construction (existing)	1.0	Lump Sum	\$4,500,000	\$4,500,000
10. Other	1.0	Lump Sum	\$251,000	\$251,000
ESTIMATED CONSTRUCTION COST:				\$4,751,000

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APPENDIX E

WorkflowStep for Proposed Capital Improvement Project OC-25: 201360500210

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DESIGN FEE	6.6%	(% of Estimated Construction Costs)	\$313,566
PRECONSTRUCTION COSTS	0.10%	(% of Estimated Construction Costs [1% for CM@Risk])	\$4,751
COMMISSIONING FEE	0.5%	(0.5% simple, 1% moderate, 1.5% complex)	\$23,755
SPECIAL INSPECTIONS/MATERIALS	1.3%	(1.25% Estimated)	\$61,763
SUSTAINABILITY	0%	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	0%	(% of Estimated Costs - includes programming, feasibility, analysis)	\$0
CONTINGENCIES	3%	(% of Estimated Costs [3% New or 5% R&R])	\$142,530
ESTIMATED COSTS	(Estimated Construction Costs + Design Fee + Preconstruction + Commissioning + Special + Sustainability + Advance Planning + Contingencies)		\$5,297,365

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

(From Est, Date to mid-point of construction) = 0 months @ 0.00%

ESCALATION COST INCREASE = (Total of Estimated Construction Costs x Escalation %) **\$0**

TOTAL ESTIMATED PROJECT COSTS (Estimated Construction Costs + Escalation Cost increase) **\$5,297,000**

COMMENTS:

1. [2013-08-28 15:25:40] dbachman - Save
2. [2013-08-28 11:43:08] cmclean - Reject
3. [2013-08-05 16:01:03] cmclean - Reject
4. [2013-08-05 16:00:53] cmclean - Not approved per Gary Rogers, please give more details to the lump sum amount.
5. [2013-07-29 16:49:46] dbachman - Submit
6. [2013-07-22 15:53:22] dbachman - Create

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APPENDIX E

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

Form OC-25
(Rev 05/12)

DEPARTMENT and DIVISION: UNC Greensboro DATE: 01/22/14
PROJECT IDENTIFICATION: North & South Spencer Residence Hall Roof Replacement
PROJECT CITY or LOCATION: Greensboro, 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 includes the removal of an existing 41,500 SF roof comprised of fiber reinforced cement shingles, and single ply membrane roofing. The scope will include new 30-yr. asphalt shingles, roof underlayment and wooden deck repair. A new membrane and roof insulation will be installed in select areas. The continuous gutter system, fascia, soffits and selected porches and columns will be repaired and painted.

(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	41500	SF	\$ 2.00	\$83,000
2. Site Work (Landscaping Repairs)	1	LS	\$ 30,000.00	\$30,000
C. Construction				
1. Utility Services				\$0
2. Building Construction (Architectural Asphalt Shingles)	40000	SF	\$ 6.00	\$240,000
3. Building Construction (Single Ply Membrane)	1500	SF	\$ 22.00	\$33,000
4. Fascia Repair (sheet mtl., gutters & replace rotten wood)	2500	LF	\$ 40.00	\$100,000
5. Existing Roof Deck Repair	4000	SF	\$ 10.00	\$40,000
6. Painting	1	LS	\$ 75,000.00	\$75,000
7. Attic Ventilation	1	LS	\$ 25,000.00	\$25,000
8. Dormer Repair	20	EA.	\$ 4,000.00	\$80,000
9. Column Repair	12	EA.	\$ 3,500.00	\$42,000
10. Attic lighting and stair to hatch	1	LS	\$ 15,000.00	\$15,000
11. Additional roof hatches (2)	1	LS	\$ 5,000.00	\$5,000
12. Scaffolding and Perimeter Protection	1	LS	\$ 45,000.00	\$45,000
13. Other: Fall Protection	1	LS	\$ 35,000.00	\$35,000
Lead Abatement	1	LS	\$ 65,000.00	\$65,000
D. Equipment				\$0
1. N/A				\$0
ESTIMATED CONSTRUCTION COSTS				\$913,000

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

CONTINGENCIES	5 %	(% of Estimated Construction Costs [3% New or 5% R&R])	\$45,650
DESIGN FEE	10 %	(% of Estimated Construction Costs)	\$95,865
PRECONSTRUCTION COSTS	%	(% of Estimated Construction Costs [1% for CM@Risk])	\$0
COMMISSIONING	%	(0.5% simple; 1.0% moderate; 1.5% complex)	\$0
SPECIAL INSPECTIONS/MATERIALS TESTING/GEOTECHNICAL	%	(1.25% estimated)	\$0
SUSTAINABILITY	%	(3% LEED Gold, 2% LEED Silver)	\$0
ADVANCE PLANNING	%	Includes programming, feasibility, analysis (% of Estimated Construction Costs)	\$0
ESTIMATED COSTS		(% of Estimated Construction Costs + Contingencies + Design Fee)	\$1,054,515

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 %)

PARKING REPLACEMENT COST

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

APPROVED BY: Made Tapan
(Governing Board or Agency Head)

TITLE Vice Chancellor for Business Affairs DATE 1-24-14

\$0
\$0
\$1,054,515