<u>Authorization of New Capital Improvements Projects – Appalachian State University and East Carolina University</u>

Appalachian State University and East Carolina University have requested authority to establish new capital improvements projects.

<u>ASU – Steam Distribution System Replacement and Repair</u>: This project will replace or repair the steam distribution and condensate return lines running along Bodenheimer Drive and from the Steam Plant to the Holmes Center. Work will include associated road, drive, and walk replacement. The project, estimated to cost \$4,500,000 and funded from steam utility trust fund receipts, will be complete by the beginning of fall semester 2015.

<u>ECU – Minges Natatorium Lighting and Acoustical Improvements</u>: This project will make lighting and acoustical improvements at Minges Natatorium (built in 1965, 14,000 square feet, one-story) which is located within the Minges Coliseum complex. Lighting improvements will meet current NCAA light-level standards, improve swimmer safety and enhance facility energy efficiency. Acoustical improvements will include a new curved slat ceiling and spray-on soundproofing material. The project, estimated to cost \$490,000 and funded from athletic receipts, will be complete by August 2014.

It is recommended that these projects be authorized and that the methods of financing as proposed by ASU and ECU be approved.

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

Form OC-25 (Rev 05/12)

BIENNIUM 2013 - 2015

DEPARTMENT and DIVISION: PROJECT IDENTIFICATION:		ASU Physical Plant DATE: 10/21/13 SCO ID # 13-10207-01A ASU # 2013007 - Bodenhiemer Drive Condenstate System Upgrade						
		te University, Boone, NC						
	JECT DESCRIPTION & JUSTIFICA			· · · · · · · · · · · · · · · · · · ·	ronlocomor	ot alana D	odonhoimor D	rivo from
	lachian Heights to the existing stear							iive iioiii
	ndenstate piping; insulation, 5 new s							condensate nining to
	er Hall.	icam trap stations, and	repairing. The	Joor molades on	ic blu diterri	210 - 10 10	place oboli or t	sondensate piping to
vvan	or ridii.							
(Defin	nitions/explanations are provided on pg	2 to assist in completion o	f this form.)					
	RENT ESTIMATED CONSTRUCTION		i ano ioiii.,	QTY	UNIT	COST	PER UNIT	TOTAL
А .	Land Requirement				0	1		\$0
В.	Site Preparation							Ψ.
	Demolition (Road/sidewalk)			2750	LF	\$	45.00	\$123,750
	2. Site Work (trenching)			2750		\$	30.00	\$82,500
	3. Site Work (paver replacemen	t)		8000		\$	25.00	\$200,000
C.	Construction	,		L				,
	1. Utility Services			2750	lf	\$	213.00	\$585,750
	2. Building Construction (new s	pace)				,		\$0
	3. Building Construction (existing							
	4. Plumbing (new space)	0,						\$0
	5. HVAC (new space)							\$0
	6. Electrical (Includes TV & Rad	dio Studio)						\$0
	7. Fire Supression and Alarm S	Systems						\$0 \$0 \$0 \$0 \$0 \$0
	8. Telephone, Data, Video							\$0
	Associated Construction Cos				ls	\$	25,000.00	\$25,000
	10. Other: Rock A	Allowance	_	1	ls	\$	33,000.00	\$33,000
D.	Equipment							
	1. Fixed							\$0
	2. Moveable							\$0
	MATED CONSTRUCTION COST						<u> </u>	\$1,050,000
	below may be calculated by percentage o		-					40 /
	GN FEE		•	ed Construction C				\$94,500
	CONSTRUCTION COSTS		(\$0
	MISSIONING		•	1.0% moderate; 1	1.5% complex	()	<u> </u>	\$0
	CIAL INSPECTIONS/MATERIALS	1.25 %	,				<u> </u>	\$13,125.00
SUS	TAINABILITY	%	(3% LEED Go	ld, 2% LEED Silve	er)		<u> </u>	\$0
			Includes progr	amming, feasibilit	ty, analysis			
ADV	ANCE PLANNING	%		ed Construction C				\$0
CON	TINCENCIES	5 %	(0/ of Estimate	ed Construction C	ooto [20/ Nov	. or E0/ D0	יוח א ו	\$52,500
CON	TINGENCIES		(% OI ESUITIALE	ed Constituction C	osis įs% inev	V 01 3% R	(נאג	ψ 3 2,300
ECTI	MATED COSTS (% of Estimated	Construction Costs + Cor	atingonoico : Do	oign Eoo\				\$1,157,625
	,	Construction Costs + Cor	nungencies + De	esign ree)			L	ψ1,13 <i>1</i> ,023
	lation = percent per month multiplied	•		ma a m tha a		0/ 22 22	anth	
	n Est. Date to mid-point of construction		100/ 10 00	months		_% per m	ionin	
Genera	al Bldgs: 0-17 mos = 0%; 18-23 mos = .04%; 24	-35 mos = .12%; 36-47 mos = .	10%; 48-60 mos =	.10%				
Health	Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-	17 mos = .26%; 18-23 mos = .2	9%; 24-35 mos = .3	33%; 36-47 mos = .36	6%; 48-60 mos	= .38%		
ESC	ALATION COST INCREASE (Total	of Estimated Costs x Es	calation %)				ſ	\$0
	AL ESTIMATED PROJECT COST			rease)			ļ	\$1,157,625
۸DDI	POVED BV:			TITI E				DATE

(Governing Board or Agency Head)

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE OFFICE REPAIR * PENOVATION OF CARITAL IMPROVEMENT PROJECT

Form OC-25 (Rev 05/12)

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

DEFINITIONS OR EXPLANATIONS

(Items not listed below are presumed to be self-explanatory. Questions may be directed to the State Construction Office.)

Item o	n Form
--------	--------

Definition/Explanation

CURRENT ESTIMATED CONSTRUCTION COST	Attach basis and justification for estimate. Include description, quantities, units, special
A. Land Requirement	Includes purchase and acquisition costs (title search, filing fees, other legal fees, etc.)
B. 1. Demolition	Includes but may not be limited to lead and/or asbestos testing and removal, building or interior space demolition in whole or part.
B. 2. Site Work	Includes but may not be limited to grading, excavating, poor soils and/or rock removal, utilities relocation, roads, walks, parking, streambank repairs, stormwater management, retaining walls, rainwater harvesting systems, landscaping.
C. 1. Utility Services	Attach explanation of any special building, mechanical, or electrical service requirements with appropriate distance to existing buildings, water, gas, electrical or other utility service.
C. 9. Associated Construction Costs	Includes but may not be limited to construction fire alarm testing, utility shut downs, utilities, signage, security, displaced parking, staging, lock cores, keys, State Construction Office charges.
C. 10. Other	List other signficant sources of cost not included elsewhere. Additional lines may be added if needed.
PRECONSTRUCTION COSTS	Includes but may not be limited to land surveys, lead/asbestos surveys, environmental assessments, copying, postage, costs of print advertising, and destructive testing. For CM at Risk, preconstruction costs are consistent with the requirements of the preconstruction services agreement.
CONTINGENCIES	Unanticipated or unforseen conditions including but not limited to design error and omissions, concealed site conditions, utility conflicts, and extended overhead resulting from weather or other delay.

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

Form OC-25 (Rev 05/12)

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

DEPARTMENT and DIVISION:	ASU Physical Plan	it				DATE:	10/21/13
ROJECT IDENTIFICATION: ASU # 2013008 - Steam and Condensate Upgrade from Central Steam Plant to Holms Convocation					ms Convocation		
PROJECT CITY or LOCATION:	oone, NC						
PROJECT DESCRIPTION & JUSTIFICAT	ION: This project is h	eina desianed :	as one project	nhased for	constructi	on over 2 summ	ners Phase I scope
includes replecement of 280 LF of steam a				•			•
steam plant to the Holmes Center and is e			α το cost ψ πνι. 1	i ilase il ille	iuucs 700	LI OI GIICCI DO	
Steam plant to the Hollings Genter and is e	Stimated to cost \$2.21	1.					
(Definitions/explanations are provided on pg 2	to assist in completion o	f this form.)					
CURRENT ESTIMATED CONSTRUCTION	·	,	QTY	UNIT	COST	PER UNIT	TOTAL
A. Land Requirement							\$0
B. Site Preparation				•		•	
Demolition (Road/sidewalk)			1000	LF	\$	50.00	\$50,000
2. Site Work (trenching)			1000	LF	\$	30.00	\$30,000
Site Work (paver replacement)			8000	sf	\$	25.00	\$200,000
C. Construction							
 Utility Services 			1000	lf	\$	1,600.00	\$1,600,000
Building Construction (new sp	ace)						\$0
Building Construction (existing)						\$0
Plumbing (new space)			1500	lf	\$	600.00	\$900,000
HVAC (new space)							\$0
Electrical (Includes TV & Radi							\$0
Fire Supression and Alarm Sy	stems						\$0
8. Telephone, Data, Video							\$0
Associated Construction Costs	,			ls	\$	30,000.00	\$30,000
10. Other: Rock All	owance	_	1	ls	\$	50,000.00	\$50,000
D. Equipment				_			***
1. Fixed							\$0
2. Moveable							\$0
ESTIMATED CONSTRUCTION COSTS						L	\$2,860,000
Items below may be calculated by percentage or						г	фоос ооо
DESIGN FEE		•	d Construction C				\$286,000
PRECONSTRUCTION COSTS			d Construction C			_	\$0
COMMISSIONING			1.0% moderate; 1	1.5% comple	x)	<u> </u>	\$0
SPECIAL INSPECTIONS/MATERIALS		(1.25% estimate				<u> </u>	\$35,750.00
SUSTAINABILITY	0 %	(3% LEED Gol	d, 2% LEED Silve	er)		<u> </u>	\$0
			amming, feasibilit				
ADVANCE PLANNING	%	(% of Estimate	d Construction C	osts)			\$0
CONTINGENCIES	5 %	(% of Estimate	d Construction C	nete [3% Ne	w or 5% R	&R1)	\$143,000
CONTINUENCIES		(70 or Loumato	a concudención c	0010 [070 110	01 0 70 10		
ESTIMATED COSTS (% of Estimated 0	Construction Costs + Cor	ntingencies + De	sign Fee)				\$3,181,750
Escalation = percent per month multiplied by		inigorioloo - Bo	o.g., 1 00)			L	+-,,
(From Est. Date to mid-point of construction)	•		months		% per m	onth	
General Bidgs: 0-17 mos = 0%; 18-23 mos = .04%; 24-3		16%: 48-60 mos =			_ /0 pc/ //	Ontin	
		,					
Health Bldgs: 0-5 mos = .18%; 6-11 mos = .22 %; 12-17	mos = .26%; 18-23 mos = .2	9%; 24-35 mos = .3	3%; 36-47 mos = .3	6%; 48-60 mos	= .38%	-	
ESCALATION COST INCREASE (Total or		calation %)					\$0
TOTAL ESTIMATED PROJECT COSTS	Estimated Costs + Es	scalation Cost Incre	ease)				\$3,181,750
APPROVED BY:			TITLE			<u></u>	DATE
(Governing Board or Age	ncy Head)						

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE OFFICE REPAIR * PENOVATION OF CARITAL IMPROVEMENT PROJECT

Form OC-25 (Rev 05/12)

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

DEFINITIONS OR EXPLANATIONS

(Items not listed below are presumed to be self-explanatory. Questions may be directed to the State Construction Office.)

Item o	n Form
--------	--------

Definition/Explanation

CURRENT ESTIMATED CONSTRUCTION COST	Attach basis and justification for estimate. Include description, quantities, units, special
A. Land Requirement	Includes purchase and acquisition costs (title search, filing fees, other legal fees, etc.)
B. 1. Demolition	Includes but may not be limited to lead and/or asbestos testing and removal, building or interior space demolition in whole or part.
B. 2. Site Work	Includes but may not be limited to grading, excavating, poor soils and/or rock removal, utilities relocation, roads, walks, parking, streambank repairs, stormwater management, retaining walls, rainwater harvesting systems, landscaping.
C. 1. Utility Services	Attach explanation of any special building, mechanical, or electrical service requirements with appropriate distance to existing buildings, water, gas, electrical or other utility service.
C. 9. Associated Construction Costs	Includes but may not be limited to construction fire alarm testing, utility shut downs, utilities, signage, security, displaced parking, staging, lock cores, keys, State Construction Office charges.
C. 10. Other	List other signficant sources of cost not included elsewhere. Additional lines may be added if needed.
PRECONSTRUCTION COSTS	Includes but may not be limited to land surveys, lead/asbestos surveys, environmental assessments, copying, postage, costs of print advertising, and destructive testing. For CM at Risk, preconstruction costs are consistent with the requirements of the preconstruction services agreement.
CONTINGENCIES	Unanticipated or unforseen conditions including but not limited to design error and omissions, concealed site conditions, utility conflicts, and extended overhead resulting from weather or other delay.

STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE

Form OC-25 (Rev 05/12)

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

	RTMENT and DIVISION:	East Carolina Univ		A		_	DATE:	10/14/13
	ECT IDENTIFICATION:	Minges Natatorium Greenville, NC	Lighting and	Acoustical impr	ovements			
	ECT CITY or LOCATION:	Greenville, NC TIFICATION:The existing Ming	ios Natatorium	n was huilt in 10	65 and cons	ciete of a	lan nool and di	ve nool and is
		Planned renovation is for lighti						
	•	cluded are for improved covera	-	•			•	•
		pgrades included are for new	-					•
		ning ceiling and wall surfaces to					-	-
opiuj (on countries	ing coming and wan canacco t	o ropiaco orig	inal dotoriorating	g ocurra par	ioio aria	accordated con	oroto ropano.
(Definiti	ons/explanations are provided	on pg 2 to assist in completion of	this form.)					
	ENT ESTIMATED CONSTR		,	QTY	UNIT	COS	T PER UNIT	TOTAL
A.	Land Requirement							\$0
B.	Site Preparation				•	•	•	
	1. Demolition							\$2,838
	2. Site Work							\$0
C.	Construction							
	1. Utility Services							\$0
	2. Building Construction	(Accoustical Improvements)		1	LS	\$	200,000.00	\$200,000
	4. Plumbing							\$0
	5. HVAC							\$0
	6. Electrical (Lighting Im			1	LS	\$	220,000.00	\$220,000
	7. Fire Supression and A							\$0
	8. Telephone, Data, Vide							\$0
	Associated Construction							\$0
_	-	Concrete Repair & Coating	-	1	LS			\$20,000
D.	Equipment				I	1	1	ф О
	 Fixed Moveable 							\$0 \$0
CCTIM	2. Moveable IATED CONSTRUCTION	COCTC						\$442,838
				t & £! - L.l			L	Ψ442,030
items be	elow may be calculated by perc	entage or lump sum. If using lump	sum, make ent	ry in \$ field.				
DESIG	N FFF	5.65 %	(% of Estimat	ed Construction C	nete)		Г	\$25,020
				ed Construction C	k1)	\$0		
				1.0% moderate;	\$0			
	AL INSPECTIONS/MATER		(1.25% estimate)		1.0 /0 comple	^)		\$0
	AL INOL EO HONO/MATER AINABILITY			old, 2% LEED Silv	or)		-	\$0
00017	AIIVADILITT		•		•		-	Ψ
۸۵۷/۸۱	NCE PLANNING	%		ramming, feasibilit ed Construction C				\$0
CONT	INGENCIES	5 %	(% of Estimat	ed Construction C	osts [3% Nev	w or 5% F	R&R])	\$22,142
	-	timated Construction Costs + Cor	tingencies + D	esign Fee)				\$490,000
	•	ultiplied by number of months						
	Est. Date to mid-point of con		1(_		<u>)</u> % per	month	
General I	Bldgs: 0-17 mos = 0%; 18-23 mos =	.04%; 24-35 mos = .12%; 36-47 mos =	.16%; 48-60 mos	= .18%				
Health Ri	das: 0-5 mos = 18%: 6-11 mos = 2	22 %; 12-17 mos = .26%; 18-23 mos = .2	9%· 24-35 mos =	33%: 36-47 mos = 3	36%· 48-60 mo	s = 38%		
		(Total of Estimated Costs x Es		.0070, 00 47 11103	0070, 40 00 1110	30070	Г	\$0
L00/ (L	ENTION COOT INCINENCE	(Total of Estimated Costs X Es	outution 70)				L _	
TOTA	L ESTIMATED PROJECT	COSTS (Estimated Costs + Es	calation Cost Inc	crease)			ſ	\$490,000
							-	
APPRO	OVED BY:			TITLE Director, F	acilities Engin	eerina & A	rch Ser	DATE
		ard or Agency Head)						

(Rev 05/12)

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

DEFINITIONS OR EXPLANATIONS

(Items not listed below are presumed to be self-explanatory. Questions may be directed to the State Construction Office.)

Item on Form

Definition/Explanation

CURRENT ESTIMATED CONSTRUCTION COST	Attach basis and justification for estimate. Include description, quantities, units, special
A. Land Requirement	Includes purchase and acquisition costs (title search, filing fees, other legal fees, etc.)
B. 1. Demolition	Includes but may not be limited to lead and/or asbestos testing and removal, building or interior space demolition in whole or part.
B. 2. Site Work	Includes but may not be limited to grading, excavating, poor soils and/or rock removal, utilities relocation, roads, walks, parking, streambank repairs, stormwater management, retaining walls, rainwater harvesting systems, landscaping.
C. 1. Utility Services	Attach explanation of any special building, mechanical, or electrical service requirements with appropriate distance to existing buildings, water, gas, electrical or other utility service.
C. 9. Associated Construction Costs	Includes but may not be limited to construction fire alarm testing, utility shut downs, utilities, signage, security, displaced parking, staging, lock cores, keys, State Construction Office charges.
C. 10. Other	List other signficant sources of cost not included elsewhere. Additional lines may be added if needed.
PRECONSTRUCTION COSTS	Includes but may not be limited to land surveys, lead/asbestos surveys, environmental assessments, copying, postage, costs of print advertising, and destructive testing. For CM at Risk, preconstruction costs are consistent with the requirements of the preconstruction services agreement.
CONTINGENCIES	Unanticipated or unforseen conditions including but not limited to design error and omissions, concealed site conditions, utility conflicts, and extended overhead resulting from weather or other delay.