STATE OF NORTH CAROLINA - DEPARTMENT OF ADMINISTRATION STATE CONSTRUCTION OFFICE OPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJE

PROPOSED REPAIR & RENOVATION OR CAPITAL IMPROVEMENT PROJECT
BIENNIUM 2019-2021

Form OC-25 (Rev 10/2018)

		UNC Greensboro					DATE:	10/23	/19
PROJECT IDENTIFICATION: Steam Plant Control		ol Systems U	pgrade						
PROJECT CITY or LOCATION: Greensboro, NC									
	ECT DESCRIPTION & JUSTIFICATION								
will sub Systen fans ar and lev	sisting Steam Plant Control System is ostantially improve reliability, operabil n, (4) individual boiler control cabinets and for feed water pump, new wall more vel controls for deaerator tank and co	ity and efficiency of t s with touch screen d unted monitors for op ndensate tank, along	he campus he isplays, a neverator's Cont with training	eat system. Scop w master control rol Room, new U	e includes i cabinet with IPS system	integration in touch scre	nto the University en display, (5) VF	Building Ds for f	g Automation forced draft
•	ions/explanations are provided on pg 2 to	•	this form.)	[OTV	I 11811 -	I 000T	DED LINIT I		TOTAL
	ENT ESTIMATED CONSTRUCTION	COST		QTY	UNIT	COST	PER UNIT		TOTAL
A. B.	Land Requirement Site Preparation			L		ļ			\$0
Ь.	Demolition			1	LS	T \$	25,000.00		\$25,000
	2. Site Work			<u> </u>	LO	+	20,000.00		\$0
C.	Construction				<u> </u>	<u> </u>			+
•	1. Utility Services								\$0
	Building Construction								\$0
	3. Building Construction (existing)								\$0
	4. Plumbing (new space)								\$0
	5. HVAC (new space)								\$0
	6. Electrical (Includes TV & Radio	•							\$0 \$0
	7. Fire Suppression and Alarm Sy	stems		4	1.0	ļ.,	75 000 00		
	8. Telephone, Data, Video9. Associated Construction Costs			1	LS	\$	75,000.00 19,500.00		\$75,000 \$19,500
		ant Control Systems	l Ingrade	1	LS LS	\$	300,000.00		\$300,000
	11. Other:	ant Control Gystems	<u>opgrade</u>	'	LO	+*	300,000.00		\$0
D.	Equipment		_				-		+
	1. Fixed								\$0
	2. Moveable								\$0
Total	Cost of Work							\$	419,500
Items be	low may be calculated by percentage or lump	sum. If using lump sum,	make entry in \$	field.			-		
DESIGN FEE 9.75 %			(% of Estimated Construction Costs)					40,901	
PRECONSTRUCTION COSTS 0 %			(% of Estimated Construction Costs [1% for CM@Risk])					\$	-
			(0.5% simple; 1.0% moderate; 1.5% complex)					\$	6,293
SPECIAL INSPECTIONS/MATERIALS 0 %			,					\$	-
SUSTA	AINABILITY -	0 %	(3% LEED G	old, 2% LEED Silve	er)		<u> </u>	\$	-
ADVA	NCE PLANNING	0 %		ramming, feasibility red Construction Co				\$	-
CONTINGENCIES 5 %			(% of Estimated Construction Costs [3% New or 5% R&R])])	\$	20,975
	ATED COSTS (% of Estimated Co tion = percent per month multiplied by	onstruction Costs + Con number of months	tingencies + D	esign Fee)			[\$	487,669
(From Est. Date to mid-point of construction) =			6 months 5.0 % annually beginning on month 1						
ESCAL	ATION COST INCREASE (Total of I	Estimated Construction	n Costs x Esc	alation %)		_	[\$12,192
TOTA	L ESTIMATED PROJECT COSTS	on Costs + Esca	lation Cost Increase)			[\$	499,860	
<u>AP</u> PRO'	VED BY:	<u>TIT</u>	LE:			_	<u>Date</u>		
_	(Governing Board or Agend					_	 -		

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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 features, similar cost on recent projects, etc.					
A. Land Requirement	Includes purchase and acquisition costs (title search, filing fees, other legal fees, etc.) required to obtain land.					
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 significant 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 unforeseen conditions including but not limited to design error and omissions, concealed site conditions, utility conflicts, and extended overhead resulting from weather or other delay.					