CIP-3: Short-Term Project Explanation Form

Agency	UWF	**Agency Priority**		**2**
Budget Entity		**Project Category**		
Budget Entity Code		**Agency Strategic Plan Code**		
Appropriation Code		**State Comp. Plan Code**		

PROJECT TITLE **Laboratory Sciences Annex, Phase I of II** **AMENDED**

To be constructed by:	**Contract**	**Yes or No**	**Force Acct.**	**Yes or No**

Purpose, Need Scope and Relationship of Project to Agency Objectives:

This proposed two-phase project was renamed to "Laboratory Sciences Annex," in lieu of "School of Allied Health and Life Sciences." The project location was changed to become a connection annex between two (2) existing buildings, 58 and 58A, both science buildings (refer to the proposed "Laboratory Sciences Renovation" project, Priority No. 5).

The Chemistry, Biology and Center for Environmental Diagnostics and Bioremediation (C.E.D.B.) have growing research efforts, but have unfortunately exceeded the capacity in current facilities. At this point, we must require new faculty members to share research space which impacts their ability to lead successful research programs and their ability to earn tenure. For example, the Department of Chemistry has seven (7) tenure track faculty members sharing five (5) research labs with more than forty-five (45) students per year conducting undergraduate research and collaborative industrial contracts. The Department of Biology has the same issues. In addition, many of the research labs have not been renovated since Building 58, comprising 69,234 gross square feet was occupied in 1972. Building 58A, comprises 26,176 gross square feet, and was completed in 1999. This facility is primarily used for science lecturre and student laboratories.

Therefore, the existing facilities typically do not provide appropriate space for research efforts being conducted. Both Chemistry and Biology programs are due for additional faculty positions based on the growth in their programs, however, the existing facilities, Buildings 58 and 58A, do not allow the College to hire hire tenure track faculty for these units, and no new research labs are available for assistant professors to conduct research required for promotion and tenure.

UWF has inititated an effort to increase the involvement of our undergraduate students in our research programs with chemistry and biology leading this effort. In 2011, the University created the Office of Undergraduate Research to develop new programs to get faculty and undergraduate students involved with research. The Office provides funding for student projects and travel money for students to present their work at regional and national meetings. The C.E.D.B. has been leading this effort by studying the impact of the Horizon Oil Spill and has several in-progress grants to study the long term impact of the spill on the marine life health within the Gulf of Mexico. The proposed new research labs within the "Laboratory Sciences Annex, Ph. I and II," will provide increased facilities to continue expanding the research efforts in these growing programs as well as provide better facilities for existing faculty.

Building 6, a temporary mobile unit facility, will be removed as part of the scope of work

The contingency of 10 percent deviates from the B.O.G. stated 5 percent due to the health program and specialized spaces.
Utility Plant Production Upgrades and Distribution System Modifications are partially included. The Master Developer's Pre-Development Report due February 28, 2014 will include the estimated costs based upon the concept design.

Educational Plant Survey: This proposed project was **Educational Plant Survey recommended (MINUS teaching labs, classroom space, & Campus Support Services, exceeding 100 percent based upon Tables 8 and 9.** See Exhibits A and B. The President sent the confirming letter to the B.O.G. Chancellor, May 8, 2012.

This structure will provide hurricane evacuation shelter space, material, and equipment requirement standards.

Statistical Justification

Facility Type	Service Load	Planned Use Factor	User Stations Required	Existing Stations	New User Stations		Net Area Required

Location:	
County:	

Facility Type	Net Area	Efficiency Factor	Gross Area	Unit Cost	Construction Cost	Project Cost	Occupancy Date
	21,938	**0.58**	**37,295**	**$533.59**	**$ 13,106,346**	**$ 19,900,000**	**January 2017**

PROJECT DESCRIPTION: **Laboratory Sciences Annex, Ph. I of II** **AMENDED**

Facility/Space Type	Net Area (NASF)	Net to Gross Conversion	Gross Area (GSF)	Unit Cost (Cost/GSF)*	Construction Cost	Assumed Bid Date	Occupancy Date
Classroom	0	1.70	0	$ 212.28	$ -		
Research Lab	10,200	1.70	17,340	$ 326.34	$ 5,658,736	-	-
Teaching Lab	0	1.70	0	$ 220.17	$ -	-	-
Study	1,850	1.70	3,145	$ 193.42	$ 608,306	-	-
Offices	8,138	1.70	13,835	$ 192.02	$ 2,656,520		
Aud/Exhibition	0	1.70	0	$ 293.77	$ -		
Lobby/Multi.	0	1.70	0	$ -	$ -		
Student Supp.	1,000	1.70	1,700	$ 199.05	$ 338,385		
Gym	0	1.70	0	$ 199.27	$ -		
Inst. Media	0	1.70	0	$ 210.11	$ -		
Campus Supp.	750	1.70	1,275	$ 198.66	$ 253,292		
	-						
Totals	21,938		37,295	Sub-Total	$ 9,515,238		
Net to Gross	0.588						
Sub-total				**$255.14**	**$ 9,515,238**		

Space Detail for Remodeling Projects

BEFORE Type	BEFORE (NASF)	AFTER Type	AFTER (NASF)
	-		-
Total	-	Total	0

SCHEDULE OF PROJECT COMPONENTS — ESTIMATED COSTS

FISCAL YEAR			2014-15	2015-16	2016-17	2017-18	2018-19
1. Base Construction Cost	Base Allocation From Above			9,515,238			
	L.E.E.D. Silver Increase			266,427			
	Sub-Total New Construction			**9,781,665**			
Add'l/Extraordinary Const. Costs							
a. Environmental Impacts/Mitigation	Archaeology Eval.; Ret.Pond Adj.						
b. Site Preparation & Demolition	Land Clearing			40,000			
c. Landscape/Irrigation	Irrigation & Plantings			27,500			
d. Plaza/Walks	Connecting Walks			25,000			
e. Roadway & Pedestrian Improvements	Service/Receiving I Drives			40,000			
f. Parking 60 spaces w/ Existing Lots	(Parking Auxiliary Fund)		By Other Funds	-			
g.Telecommunication	Single Mode Fiber - Ductbank			125,000			
h. Electrical Service	New Transformer Tie-In			45,000			
i. Water Distribution	Connection			62,650			
j. Sanitary Sewer System	Connection			60,000			
k. Chilled Water System	Connection			81,000			
l. Storm Water System	Retention ponds & storm water tie-ins			30,000			
m. B.40 - Utility Plant Production Hot and Chilled Water Infrastructure			945,000				
n. Energy Efficient Controls	Building Automation System Tie-In			60,000			
o. Special Casework				300,000			
p. Distribution - Utility Infrastructure Modifications				300,000			
q. Demolition/remove Bldg. 6 (mobile unit)				35,000			
Sub-Total New Construction and Utility Plant Costs			**945,000**	**11,012,815**			
Escalation to GMP Date 5.0 Percent Annual	5.0%	10.0%	47,250	1,101,281			
Total Construction Costs			**$ 992,250**	**$ 12,114,096**			
2: Other Project Costs							
a. Pre-Construction - CM	1.0%	5.2%	131,063	681,530			
b. Design Basic Services (Cons. Admin. In FY2015.2016)		7.3%	902,700	47,511			
c. Add Services - LEED; civil engineering		3.5%	412,850	45,872			
voice/data communications; post-occupancy inspections							
reimbursables							
d. Not Used							
e. Fire Marshall Fees		0.25%	30,285				
f. Plan and Inspection Services		0.40%	48,456				
1. Escambia County - B.C.A. Plans		0.30%	39,319				
2. County Inspections		0.25%		32,766			
3. Commissioning			15,000	10,000			
4. Threshold				64,949			
5. Waterproofing				48,500			
6. H20 @ Windows and Doors (random)				25,000			
7. Materials Testing			7,500	12,500			
8. Soil Borings			17,000				
g. Survey		0.10%	13,106				
h. Not Used							
i. Not Used							
j. Artwork		0.50%		60,570			
k. Building FFE		4.0%		484,564			
l. Audio Visual FFE		4.7%		569,363			
m. Info.Tech.&Tele.; FFE: FY2015		1.8%	125,000	218,054			
n. Lab FFE		4.0%	39,690	484,564			
o. Computer FFE		2.0%	19,845	242,282			
p. O & M FFE				75,000			
q. Project Management			35,000	35,000			
r. Project Contingency		10.00%	605,820	1,211,410			
Total - Other Project Costs			2,444,250	4,349,403			

	2014-2015	2015-2016	2016-17	2017-18	2018-19
ALL COSTS 1+2	**$ 3,436,500 (P, C, E)**	**$ 16,463,500 (C, E)**			

Appropriations to Date

Source	Fiscal Year	Amount
TOTAL		

Total Project In CIP & Beyond

Source	Fiscal Year	Amount
Phase I of II	**FY2014-15**	**$ 3,436,500**
Phase II of II	FY2015-16	$ 16,463,500
TOTAL		**$ 19,900,000**
$/GSF	$ 533.59	

Summary - Laboratory Sciences Annex, Phases I and II										Rev. Oct.7, 2013. MH.JRB
	Classrm.	Teach Lab	Research Lab	Study	Office	Conf. Rms.	Student Support	Workshop /Storage	Campus Support	Total N.A.S.F.
A. Reception Atrium - 1st Floor				1,250	625	1,000		300		**3,175**
Qty. of Each Space Type				1	4	2				
B. Dept. of Allied Health					1,025					**1,025**
Qty. of Each Space Type					10					
C. Program Growth					800					**800**
Qty. of Each Space Type					8					
D. Program Research			9,000		3,000					**12,000**
Qty. of Each Space Type			11		20					
G. Doctor of Physical Therapy					488	300				**788**
Qty of Each Space Type					4	1				
I. General Use			1,200	600	600		1,000			**3,400**
Qty. of Each Space Type			2	1	6		2			
J. Campus Support									750	**750**
Total N.A.S.F. by Space Type	**0**	**0**	**10,200**	**1,850**	**6,538**	**1,300**	**1,000**	**300**	**750**	**21,938**
Gross Square Feet										**37,295**

University of West Florida

Laboratory Sciences Annex Expansion and Building Renovation

Preliminary Programming Document (PPD)

September 2013

The purpose of this Preliminary Programming Document (PPD) is to serve as a living document that links planning for renovated and new physical spaces to: (1) accommodate recent growth in both programs and enrollment in allied health and laboratory sciences; (2) support future projected enrollment growth resulting from new programs and initiatives; (3) enhance and support the delivery of a student oriented educational experiences for students in chemistry, biology, and allied health; and (4) expand and enhance the availability of state of the art instructional formats, technology, and pedagogy within and beyond conventional classroom instructional models and constraints.

Building 58, a 1972 laboratory sciences building, proposed for renovation, currently houses the biology, marine biology, chemistry and clinical laboratory sciences programs in addition to the Center for Environmental Diagnostics and Remediation (CEDB). Building 58A, a 1999 facility having classroom and teaching laboratories, will be connected to a center atrium. Building 63, a small 1974 building, is the temporary facility for the masters of public health (MPH), bachelors of Science in health science (BSHS) and several health related certificate programs. This building was Educational Plant Survey recommended for demolition in 2012.

Dr. Mike Huggins, Interim Dean

College of Arts and Sciences, x2739, mhuggins@uwf.edu

Laboratory Sciences Building

Undergraduate degrees:

Biology **-** Over 300 pre-professional students with over a 90% acceptance rate to professional schools for those availing themselves of the Health Sciences Advisory Program. Another 250 students major in Biology, Biotechnology/Molecular Biology, Microbiology, Pre-Pharmacy and Zoo Science. Clinical internships for pre-professional students are strong retention tools and fulfill the student's clinical experience requirement for admission to professional schools. Four student organizations sponsored by the Department provide a platform for student support and interaction, and promote student retention.

A broad effort to engage students in research characterizes Biology's student-centered philosophy and contribute to student retention and preparation of students for the "real world" of employment and advanced study in science. A series of certificates in key areas in Biology provide students with pre-graduation goals and significant rewards that promote student retention as well as preparing students for employment and advanced graduate study in the discipline.

Marine Biology – Over 200 students major in Marine Biology. Many of the courses in this program are field courses and time aboard boats, in the Florida Keys, the Dry Tortugas, Indonesia and Costa Rica. These experiences provide students with hands-on education/training so essential in student preparation for employment and advanced education in the field. In addition, students are engaged in research projects that provide high quality and broad training in research methods critical to the discipline, as well as providing students with exposure to another culture. Two student organizations promote community service, and student interaction and support.

Master of Science in Biology – Thesis and/or non-thesis tracks are available in biology, biotechnology, environmental biology and coastal zone studies. All of these tracks have been tailored to meet the needs of regional industries in the life sciences, and we have worked closely with area chambers of commerce to provide a flexible set of educational offerings designed to meet the needs of incoming bio-industries as well as serve of companies already established in the area. We have a very high success rate for entrance of our graduates into employment in the discipline or acceptance into advanced degree programs.

Department of Chemistry – The Department's degrees are accredited by the American Chemical Society. The Department offers a prestigious, industry-funded seminar series and an industry-supported scholarship program for students in chemistry. A regional industry funds the Department's program designed to engage middle school students from the region; introducing them to potential careers in chemistry through close interactions with chemistry faculty. Chemistry offers BA and BS degrees in Chemistry and in Chemistry with a Biochemistry specialization. The two BA degrees house 10 tracks which are designed to target different industries hiring chemists or prepare students for advanced study. Chemistry's enrollment has grown precipitously in recent years and is projected to continue this trend into the foreseeable future. The Department's programs are tightly integrated with those of Biology through joint degree offerings, sharing of equipment, personnel, supplies and space.

Clinical Laboratory Sciences – This program is accredited by the National Association for Accreditation of Clinical Laboratory Sciences. It has a history of more than 35 years of successful operation and has a reputation for excellence in the education and training of clinical laboratory personnel. Alumni of the Program constitute a significant portion of the clinical laboratory work force throughout Northwest Florida. Many alumni hold supervisory or managerial positions in regional hospitals. CLS graduates from UWF make significant contributions to the health and welfare of the Panhandle.

A CLS student organization offers significant academic and social support for CLS students and serves as a focus for student service to the health care community. Memoranda of understanding are in place between the CLS program and a long list of hospitals statewide to provide clinical training for our students and potential employees for the hosting health care institutions.

Center for Environmental Diagnostics and Bioremediation - The Center for Environmental Diagnostics and Bioremediation (CEDB), established in 1990, works in collaboration with affiliated academic departments and diverse external organizations to enrich the research, teaching, and service functions of the University of West Florida. The CEDB engages in basic and applied research pertinent to the assessment and improvement of environmental health; provides research and training opportunities for graduate and undergraduate students: delivers several core courses and specialized elective courses in support of academic programs in life and environmental sciences; and contributes to public service, including activities to enrich science education at K-12 levels.

Building 63 – Allied Health Building

Health Sciences – This degree offers 7 specializations in allied health. It has been in operation for only 3 years and already has over 120 students admitted and continues to experience a steep growth curve. This degree was designed by the regional healthcare community through their representatives on the Allied Health Advisory Committee. This degree is one of the strongest community outreach programs at UWF because it is serving many employees in health care who require a BS degree to advance their careers. Thus, the BSHS is effectively expanding skill sets and augmenting earning power for the health care workforce. This degree is highly valued by regional junior colleges as a primary pipeline to a bachelor's degree for their graduates with associate degrees in health-related areas. We are in the process of establishing a chapter of Health Occupations Students of America, a national service organization for students in allied health programs.

Master of Public Health- While this degree was initiated less than three years ago, we have accepted 55 students into the program. This high growth rate continues unabated. The Departments of Health for the 5 surrounding counties helped design and implement the program; tailoring it to the needs of the public health workforce. Required internships are conducted through Memoranda of Understanding (MOU) with a long list of public health and health care entities, including the U.S. Army base in Ft. Evans, Colorado and the Pensacola Naval Air Station. The Student Association for Public Health was created as a pipeline through which students could perform service to the public's health and as a platform for student/faculty interaction.

The program is currently under review for accreditation by the Council on Education in Public health, the national accrediting agency for programs and schools of public health. We have been in discussions with both the U.S. Army and Navy regarding admission into the UWF MPH of students from their medical residency programs, and have just recently admitted the first of such students from the Army program. We have partnered with The Andrews Institute in Gulf Breeze on a number of fronts related to this program; providing students with valuable experience and opportunities that broaden their preparation for service in public health.

Master of Science in Administration (Biomedical/Pharmaceutical Sciences) - Students completing this specialization will be qualified to interview for positions with a wide variety of companies specializing in biotechnology, biomedicine, medical and scientific equipment and pharmaceuticals. This program involves a capstone experience in the form of an internship in biomedical/pharmaceutical industry which is designed to provide students with hands-on experience in the industry of their choice and exposure to key elements in the targeted professional environments. This program was initiated one year ago and already has over 10 students accepted into the specialization. We have established MOU for internship sites within arms of the health care community conducting drug and medical device trials. This program was created with strong involvement from target industries within our region and in partnership with several regional chambers of commerce . In the latter associations, we have offered this program as an educational "blank check" – a willingness to modify the program as needed - to help sell biotechnology, pharmaceutical and medical device manufacturers on bringing their business to the Florida Panhandle.

Certificate and Workshop Offerings – The Department of Allied Health operates vigorous and vital certificate programs in public health (infection control, environmental health, public health disaster management and occupational health and safety), in medical informatics (focusing on electronic clinical record keeping, patient safety, avoiding medical errors, and electronic diagnostics), and in health care ethics (focusing on palliative care and end-of-life issues). Our extensive workshop offerings cover a wide variety of topics related to IT applications in the health care and public health settings, and to ethical issues impacting the health care provider. We work very closely with the health care community in identifying, designing, and implementing these offerings, all of which are credentialed for optimal service to health care providers. Our workshop program is integrated with the needs of education departments within regional hospitals, and is often subcontracted by those departments to fulfill knowledge gaps they have identified in their workforce.

The Department of Allied Health has worked very closely with "health academies" at regional secondary school districts to provide multiple pathways into which students interested in careers in health are guided via dual enrollment courses, web site maps and a multitude of electronic and hard-copy information into the programs listed above. We have numerous articulations and MOUs with educational institutions and members of the health care/public health and lifer sciences industries.

Programmatic Growth

Growth has been phenomenal for all of the unrestricted access programs within The Department of Allied Health. The Master of Public Health program has gone from 5 students in 2006 to 55 students admitted to the program as of fall 2008. The Bachelor of Science in Health Sciences has grown from 10 students in 2006 to 125 students admitted to the program for Fall 2008 (both programs have realized greater than a 1000% increase in enrollment !). Enrollment in Biology undergraduate programs increased 19% from 2006 to 2007 and another 13% from 2007 to 2008. Enrollment in Chemistry's programs have matched the gains realized by Biology. During summer 2007 and 2008, FTE's earned by these programs accounted for close to 40% of the total FTEs earned by the entire College of Arts and Sciences which encompasses 20 academic units. The MSA in Biomedical/Pharmaceutical Sciences and Nursing Administration were initiated less than a year ago and currently have 8 and 5 students admitted, respectively.

Health care is one of the top two economic engines and employers in the Florida Panhandle. The educational needs of this critical economic sector are successfully serviced by the programs offered in these buildings. The close working relationship between The Department of Allied Health and health care, and our flexibility in modeling these programs to match the needs of the industry, ensure that we continue to directly address their needs into the future, and that our programs will continue to enjoy strong enrollment and substantial support from health care/life sciences interests.

Student Support Programs

These programs dedicated to the concept of addressing regional workforce needs in the preparation of students for employment in the industry, and of engaging students in hands-on experiences in partnership with faculty and preceptors from the targeted industries. These objectives are effectively fulfilled through the tailoring of our programs to directly service the needs of our partners in the health care/public health/life sciences communities, and through student internships, clinical experiences, directed studies projects, and field courses.

We routinely see graduates of the Clinical Laboratory Sciences and Nursing programs receive multiple job offers. Internships and clinical experiences place students in the industry setting, providing practical experience and introduction of potential employers to our students. Directed studies projects, undergraduate research experiences, and field courses provide students with an opportunity to interact closely with our faculty while they receive "real-world" training that will enhance their employment opportunities or prepare them for admission to graduate programs. These programs encourage and support the establishment of student organizations and the participation of faculty in the organizations' activities and service as faculty advisor for these student associations (10 student organizations have been created within these programs, all have multiple faculty associates/advisors). It is routine for students majoring the various programs in these buildings to be involved in research projects supported by extramural funding acquired by faculty.