

**13.**  
**CAPITAL IMPROVEMENTS**  
**&**  
**FACILITIES MAINTENANCE**  
**DATA & ANALYSIS**

## **I. Facility Needs Assessment**

The need for building space at the University of Florida is driven, in part, by employment and enrollment growth. While enrollment growth over the past decade has been slowed, there remains deficiency of space for certain types of academic, study, student support, recreation and other uses. Future space needs are generated due to modest projected enrollment growth on the main campus combined with the university's desire to hire new preeminence faculty to raise the university's rankings as a top ten public research institution. Relatedly, the university's intent to increase graduate enrollment, as a total number and as a percent of total enrollment, has an impact on space demands. The space requirements for a graduate full-time equivalent (FTE) student are greater than for an undergraduate FTE student because of the added need for graduate research and office space. Corresponding graduate student and family housing requires more square footage per student than undergraduate housing. Another contributor to the space needs at the University is the requirement to upgrade laboratory space and equipment to accommodate modern areas of scientific discovery. In particular, the health sciences, life sciences, engineering, basic sciences and multidisciplinary programs have need for creating and maintaining state-of-the-art research facilities. Similarly, classrooms, auditoriums and student housing must be modernized to take advantage of evolving technologies. The Educational Plant Survey process is one means of determining adequacy of academic, instructional and support space on the university campus. Academic program accreditation reviews also evaluate space and facilities, which may reveal deficiencies in specific program areas compared to peer institutions. Other university space needs are related to extension services and community-oriented programs including museums, theaters, conference facilities and medical clinics that must expand to meet the needs of the citizens of the State of Florida.

### **A. *Educational Plant Survey***

An Educational Plant Survey is defined in s. 1013.01(8), Florida Statutes, as a systematic study of present educational and ancillary plants and the determination of future needs to provide an appropriate educational program and services for each student based on projected capital outlay FTE's approved by the Department of Education. The term "Educational plant" is defined in s. 1013.01(7), F. S., as those areas comprised of the educational facilities, site, and site improvements necessary to accommodate students, faculty, administrators, staff, and the activities of the educational program. The term "Ancillary plant" is defined in s. 1013.01(1), F. S., as an area comprised of the building, site, and site improvements necessary to provide such facilities as vehicle maintenance, warehouses, maintenance, or administrative buildings necessary to provide support services to an educational program. A Survey is required at least every five years pursuant to s. 1013.31(1) F.S. and other requirements of the Educational Plant Survey are further recited in the statute. PECO (Public Education Capital Outlay) Funds are the primary source available to universities for academic and support facilities. By definition, as found in Section 1013.01(16), Florida Statutes, a PECO Funded Project is any "site acquisition, renovation, remodeling, construction projects, and site improvements necessary to accommodate buildings, equipment, other structures, and special educational use areas that are built, installed, or established to serve primarily the educational instructional program of the district school board, Florida College System institution board of trustees, or university board of trustees."

Surveys may be amended if conditions warrant a change in the construction program. Each revised Educational Plant Survey and each new Educational Plant Survey supersedes previous Surveys.

This report may be amended, if conditions warrant. Recommendations contained in a Survey Report are null and void when a new Survey is completed.

**Space Needs Formula.** The space needs model applied the State University System Space Needs Generation Formula (Formula). The Formula was designed to recognize space requirements for a site based on academic program offerings, student enrollment by level, and research programs. The most important measure in the Formula is student of full-time-equivalent enrollment. Other important measures include positions, research activity, and library materials. The following space categories are included in the Formula:

<u>Instructional</u> Classroom Teaching Laboratories Research Laboratories	<u>Academic Support</u> Study Facilities Instructional Media Auditorium/Exhibition Teaching Gymnasium	<u>Institutional Support</u> Student Academic Support Office/Computer Campus Support
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Application of the formula results in unmet space needs that are then compared to the effect of proposed projects on the facilities inventory. In cases where the Formula does not support a proposed project, the justification provided by the university is considered. Such justification may include the unique space requirements associated with a particular program. In some cases, the proposed facilities meet program requirements that are not addressed in the Formula. The following tables report the results of applying the formula generated space factors for the main campus, and the results of comparing the generated space needs to the existing satisfactory and eligible facilities inventory for the main campus from the most recent Educational Plant Survey.

**Generated Net Assignable Square Feet (NASF) by Space Category, Main Campus, 2014-2019**

Space Category	Site 0001 Main Campus
<u>Instructional</u>	
Classroom	366,692
Teaching Laboratory	562,406
Research Laboratory	1,914,945
<u>Academic Support</u>	
Study (i.e. includes Libraries)	960,383
Instructional Media	26,556
Auditorium/Exhibition	109,134
Teaching Gymnasium	145,876
<u>Institutional Support</u>	
Student Academic Support	Included in Study
Office/Computer	1,965,874
Campus Support Services	267,743

Source: Educational Plant Survey, 2014

**Comparison of Existing Satisfactory Space with Generated NASF Needs by Category, 2014-2019**

Space Category	Space Needs By Space Type	Satisfactory Space Inventory	Unmet Need
<b>Instructional</b>			
Classroom	366,692	328,618	38,075
Teaching Laboratory	562,406	380,644	181,763
Research Laboratory	1,914,945	1,067,870	847,075
<b>Academic Support</b>			
Study	960,383	422,314	538,069
Instructional Media	26,556	12,052	14,504
Auditorium/Exhibition	109,134	75,616	33,518
Teaching Gymnasium	145,876	69,328	76,548
<b>Instructional Support</b>			
Student Academic Support Office/Computer	1,965,874	Included in Study 1,504,954	460,921
Campus Support Services	267,743	189,890	77,854
<b>Total</b>	<b>6,319,609</b>	<b>4,051,284</b>	<b>2,268,325</b>

Source: Educational Plant Survey Table 7, 2014

**II. Building Construction Trends**

**A. *Existing Building Inventory and Recent Development***

In March 2014, the University of Florida, inclusive of its satellite facilities, contained 19,258,563 GSF of building space. The allocation of main campus and satellite building square footage by land use classification is presented in the following table.

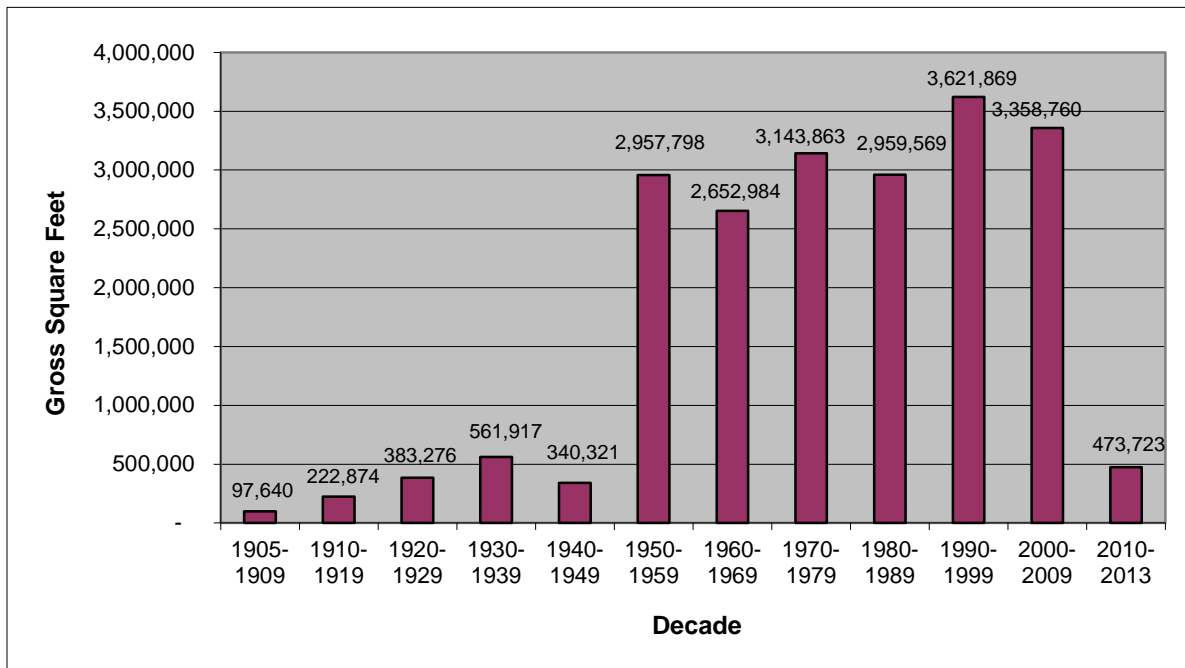
**Existing Building Gross Square Footage by Land Use Classification in the 2015-2025 Campus Master Plan, March 2014**

Future Land Use	Building GSF
Academic	9,953,008
Academic - Outdoor	426,700
Active Recreation	773,179
Active Recreation - Outdoor	99,587
Conservation	1,686

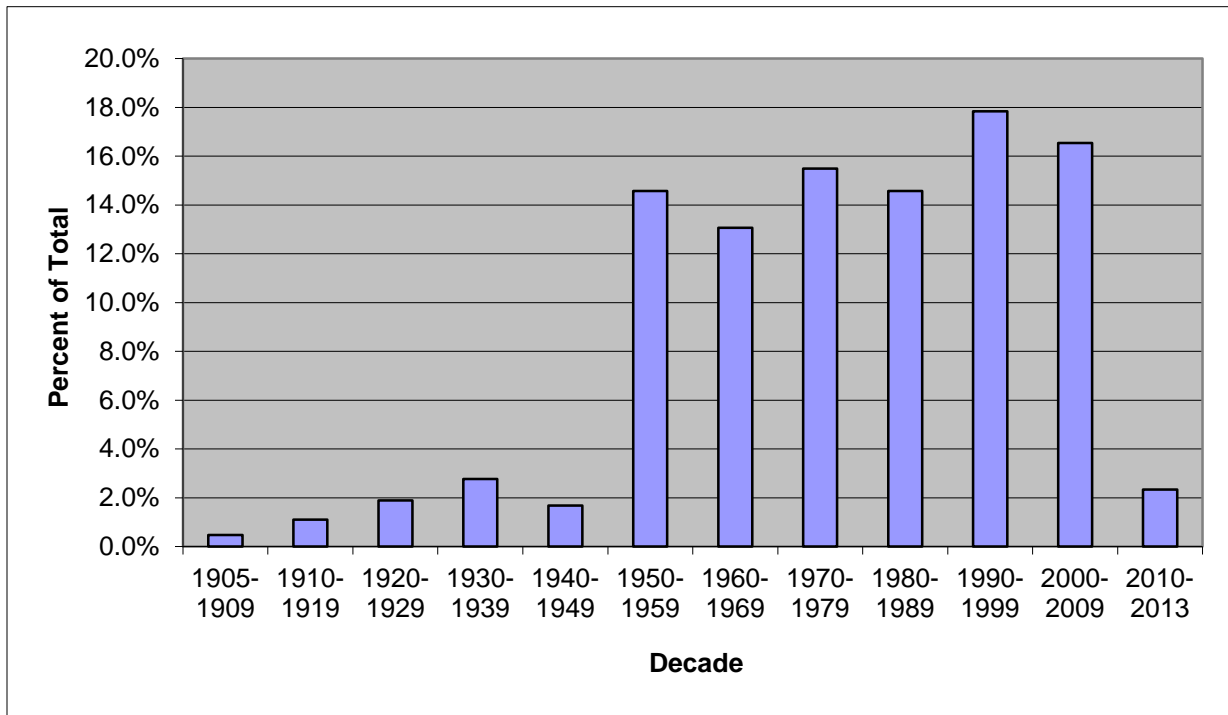
Cultural	298,938
Housing	3,193,074
Support	4,197,974
Urban Park	16,338
Utility	298,079
Total	19,258,563

The following graphs depict a history of building construction trends on the University main campus as indicated by the year in which existing buildings were constructed. The most aggressive building program occurred during the decade of 1990-1999, followed by the decade of 2000-2009. In the most recent past decade 2005-2014, approximately 1.7 million gross square feet of net new building space was constructed.

**Main Campus Building Inventory in GSF by Year Built, 1905-2013**



**Main Campus Building Inventory in Percent of Total Buildings by Year Built, 1905-2013**



During the last 10-year period of completed construction projects, from those completed in 2005 to those scheduled for completion by 2015, the University of Florida constructed 1,758,734 gross square feet (GSF) of net new space on the main campus. During the same time period, a total of 105,503 GSF of new space was constructed at the university’s Alachua County Satellite Facilities. The building projects and associated land use classifications or satellite facility locations are presented in the following tables.

Since the 1995-2005 Campus Master Plan, the University has been projecting 10-year building construction projects from all potential funding sources. These project lists are translated into projected building gross square footage (GSF) by land use designation that is used as the basis of the Campus Development Agreement (CDA) between the University of Florida, City of Gainesville and Alachua County. The following two tables present the chronology of building activity by land use category in terms of total GSF for projected master planned projects declared in the CDA compared to actual building construction. An examination of these tables reveals that the University construction program has been consistent with the CDA terms.

**University Building Program in GSF by Land Use Designation: Campus Development Agreement v. Actual, 2005-2015**

UF Main Campus Space Type	CDA Authorized 2005-2015 (GSF)	Constructed 1/1/05-6/30/10 (Net New GSF)	Constructed 7/1/10-6/30/15 (Net New GSF)	Remaining Authorized (GSF)
Housing	284,502	12,732	107,584	164,186
Utilities *	19,500	38,113	7,760	(26,373)
Green Space Buffer and Urban Park	-	-	-	-
Active Recreation/ Active Recreation-Outdoor	342,760	65,520	65,047	212,193
Academic/ Academic-Outdoor	2,104,856	854,511	358,507	891,838
Support / Clinical and Cultural	1,002,718	166,066	82,894	753,758
<b>TOTAL</b>	<b>3,754,336</b>	<b>1,136,942</b>	<b>621,792</b>	<b>1,995,602</b>

\* Projects were unoccupied Chilled Water Plant, Reclaimed Water Storage Tank, and Data Equipment Building. Utilities are an allowed use in all Future Land Use categories.

**University Building Program by GSF by Satellite Location: Campus Development Agreement v. Actual, 2005-2015**

Satellite Properties Space Type	CDA Authorized 2005-2015 (GSF)	Constructed 1/1/05-6/30/10 (GSF)	Constructed 7/1/10-6/30/15 (GSF)	Remaining Authorized (GSF)
Austin Cary - Academic/Research	15,000	(2,445)	5,390	12,055
Beef Research - Academic/Research	5,000	570	(2,960)	7,390
Dairy Research - Academic/Research **	12,000	23,428	(60)	(11,368)
Millhopper Horticultural Unit - Academic/Research	21,000	9,027	1,800	10,173
Wall Farm/HTU - Academic/Research	10,400	1,312	-	9,088
Santa Fe Ranch - Academic/Research	18,000	-	-	18,000
Eastside Campus - Academic/Research & Support	124,162	51,987	17,254	54,921
Lake Wauburg - Active Recreation	21,200	-	-	21,200

\*\* Projects at Dairy Research Unit included two large feed barns that are agricultural use.

The following table provides details on completed construction projects that were listed in the Capital Improvements Element of the 2005-2015 Campus Master Plan.

**Completed Construction Projects, 2005 to June 30, 2010**

Project Name (UF Project #)	Net New GSF	Renovated / Relocated GSF	Project Description	Completed / Occupancy
<b>FUTURE LAND USE - ACADEMIC / RESEARCH</b>				
Pharmacy Wing Remodeling, Phase II (UF-196)	-	34,125	This project is to remodel the ground through 6th Floor Levels of the Pharmacy Wing and update space currently utilized by the Departments of Pharmacy Practice, Pharmaceuticals and the Center for Drug Discovery to house their research and administrative functions, including offices for the faculty, and to create additional generic research laboratory space to meet any unmet needs of the Departments of Medicinal Chemistry, Pharmacodynamics and Pharmacy Practice.	May-05
Legal Information Center Addition and Law School Phase II (UF-150)	29,292	48,000	The project will partially demolish, and then infill and renovate, the first two floors of Holland Hall to increase the size of the Legal Information Center by 75%. The quality and quantity of instructional space will be enhanced with new classrooms on the renovated 3rd floor of Holland Hall and in (2) new connectors between Holland and Bruton-Geer Halls. The final product will triple the current inventory of classroom space, and will provide a classroom seat for nearly the entire student body. The site west of both buildings will be re-developed as a plaza area, with a new staff parking lot south of the existing lot along Village Drive. Early site construction and demolition began in July of 2003 as the building design was finalized. The new classroom towers were completed for use in the Fall of 2004.	Jun-05
Veterinary Medicine Food Animal Research Facility / Deriso Hall (UF- 195)	2,778	-	A new 11,900 square foot facility for the Department of Large Animal Clinical Sciences on the site of the old IFAS Meats Lab Building Bldg. No. 65. The space program focuses on the needs of Food Animal faculty and staff and the Food Animal Services program and their vehicles. The Food Animal Services program is an outreach program providing veterinary medicine services to area farms and ranches. Completed July 2006 with 9,998 GSF replacing a demolished 7,220 GSF existing building.	Jul-06
Library West Addition and Remodeling (UF- 144)	59,356	117,340	The project will construct 60,000 GSF on the north side of the existing library and remodel the existing 117,000 GSF including repairs to the exterior.	Jul-06
Kathryn Chicone Ustler Hall (UF-208)	-	15,842	Major full scale historical renovation of the Old Women's Gym building. Project to provide office, classroom and seminar space for Center for Womens Studies and Gender Research in the College of Liberal Arts and Sciences.	Sep-06
Perry Construction Yard at M. E. Rinker Hall (UF- 277)	-	1,634	This project will cover and partially enclose an existing 2,585 GSF outdoor classroom and demonstration yard for the construction trades. The area will not be climate controlled. Consistent with Rinker Hall's LEED Gold Certification, the project is conceived to include a green roof design.	Mar-07



Veterinary Medicine CT Scan Facility (UF-287)	-	468	Installation of a CT Scan facility in the College of Veterinary Medicine Equine Hospital (UF Bldg. #1018). The College will collaborate with the IAMS pet food company for the installation of an MRI in the VH-146 area of the Clinical Teaching Hospital for animal patient diagnosis, both large and small animal.	May-07
ICBR Biotechnology Laboratory Pavilion (UF-134) – combined with Cancer/Genetics Research Center	-	-	This project is for construction of a new research laboratory facility for the Interdisciplinary Center for Biotechnology Research at the University of Florida. The new building will include research laboratories, teaching labs, and administrative office space in support of university-wide research programs. The proposed Biotechnology Laboratory Pavilion is programmed to be a 24,500 GSF facility, providing 16,500 net assignable square feet to house the research, training and administrative operations of the ICBR. This facility will allow the ICBR to consolidate their operations which are currently located in six different Health Science Center and Institute of Food and Agricultural Sciences facilities, as well as a small one story administrative building. Design and construction will be concurrent with that of UF-136, the Genetics and Cancer Research Center.	Jun-07
Cancer/Genetics Research Center (UF-136)	290,820	-	This project is for construction of a multi-disciplinary biomedical research facility at the University of Florida for the UF Genetics Institute and the Cancer Research Center. The new facility will include research laboratories, animal research facilities, faculty and administrative offices, and a rooftop research greenhouse. The proposed Genetics and Cancer Research Center is programmed to be a 255,500 gross square foot facility, providing 148,500 net assignable square feet to house the research, training and administrative operations of the Genetics Institute and Cancer Research Center and a Central Energy Plant. This facility will provide the two entities with the necessary space to increase the level of funded grant research, and will provide efficiencies in operation through the consolidation of the core research support facilities. Design and construction will be concurrent with project UF-134, the ICBR Research laboratory Pavilion.	Jun-07
Pugh Hall (UF-288)	45,532	-	This project proposed to construct a new building to house the Graham Center for Public Services and related program support within the College of Liberal Arts and Sciences.	Jan-08
NIMET Nanoscale Research Facility (a.k.a. Multidisciplinary Nanosystems Research Facility, UF-202)	55,692	-	This project will construct a new multi-disciplinary facility to house clean rooms, laboratories, office and support space for multi-disciplinary research in the nanosciences. As a user facility, the NRF will house few permanent research faculty and staff. The mission of the NRF is to foster collaborative research by users from the college of Engineering, College of Medicine and College of Liberal Arts and Sciences (primarily Physics and Chemistry Departments).	Jan-08
Frazier Rogers Hall Addition: Center of Excellence Biofuels Lab	2,920	252	This project provides laboratory and support space for the Center of Excellence Biofuels Laboratory.	Feb-08
Steinbrenner Band Practice Facility / Music Building Addition, Phase I (UF-207)	17,032	-	This project includes a rehearsal hall sufficient to hold 300 performers of the University of Florida Pride of the Sunshine Fightin Gator Marching Band offices, instrument storage, band library, and instrument issue room.	Aug-08

Aquatic Pathobiology - Phase I (LM-4611)	3,332	-	This project will construct a new modular building adjacent to Building #625 to temporarily house research programs that will eventually move into the Emerging Pathogens and/or Environmental Toxicology building projects.	Apr-09
Irrigation Research and Education Park (IREP) Relocation	-	2,090	This project is necessary to vacate the existing location on Hull Road to make way for athletic facilities. The Irrigation Research Park is an outdoor teaching facility with minimal support structures. The project is in design with a current plan to split the teaching and research functions of the IREP. The teaching element will be located at the vacant poultry complex and will renovate building #152. The research element is being proposed near Ritchey Road.	Aug-09
Pathogen Research Building (UF-275)	93,018	-	The project is for a new multi-disciplinary research building to be jointly used by the Health Science Center, CLAS and IFAS. The building will consist of research labs, teaching labs, offices and support services. Program components include the Environmental and Human Toxicology Center that must be relocated from its current location near the Genetics Cancer Research Center where future research buildings are planned.	Oct-09
Biomedical Sciences Research (UF-269)	164,251	-	The project is for a new interdisciplinary research building to combine life sciences, engineering and medicine with space for research labs, office and animal care facilities. Program components include the Institute for Bioimaging and Bioengineering (IBB) that partners a new Biological Imaging Center, the Department of Biomedical Engineering, the Office of Technology Licensing, the General Clinical Research Center and Industry within the same building. Proximity to related programs housed in the McKnight Brain Institute is a key consideration of site location.	Nov-09
Levin College of Law Advocacy Center (UF-155)	19,375	-	This project provides a new courtroom, support, meeting, and shelled office space. The building will be constructed south of Bruton-Geer Hall.	Apr-10
Addition to the Aquatic Pathobiology Building - Phase II (LM-4722)	3,381	-	Phase II will provide space for research of aquatic mammals to compliment the fish/toxicology research being conducted in the Phase I area.	May-10
Graduate Studies Building / Hough Hall (UF-206)	67,732	-	The project will include departmental classrooms, seminar rooms, office spaces, meeting and "breakout" rooms, career services spaces, and a central gathering space for graduate programs of the Warrington College of Business, including MBA, MSM/MAIB, and NSF.	Jun-10
<b>SUBTOTAL ACADEMIC/RESEARCH</b>	<b>854,511</b>	<b>219,751</b>		
<b>FUTURE LAND USE - SUPPORT / CLINICAL</b>				
<b>PROJECTS - SUPPORT / CLINICAL</b>				
P.K.Y. Arts and Sciences Building Replacement	5,005	5,500	This project will demolish the existing Building #521, which was built in 1958, and construct a new building with modern classrooms, art and science laboratories, storage and ADA-compliant restroom facilities. The existing building consists of 5,500 GSF that will be replaced with a building of 10,505 GSF for a net gain of 5,005 GSF. This building replacement is necessary due to the age and condition of the structure, as well as classroom space and resource deficiencies. The project is funded from a PKY School PECO allocation and is	Nov-05

			justified by a supplemental educational plant survey.	
Hub (UF-237)	-	59,912	The project scope involves renovations to the existing Hub Building. The Technology Union, as part of Academic Technology is envisioned as a facility that allows student access to multiple information technologies in support of learning and extracurricular activities. The International Center will also move into the renovated facility.	Mar-07
UAA Football Office / SW Stadium Expansion (UAA-18)	31,560	28,122	This project proposes to construct an addition and renovate a portion of the UAA Football and other administrative offices along with a new football weight room and other program support space.	Jul-08
Laundry Services Building Renovation	-	28,600	The University intends to begin outsourcing laundry services so that this facility will no longer be needed. The building will be reassigned. Renovations are complete for use as the Physical Plant Annex.	Jun-09
Gator Band Shell Replacement (UF-345)	3,230	2,370	The project scope includes demolition of the existing university bandshell/restroom facilities and replacement with a new bandshell, restrooms, and support facilities (UF Buildings # 255, 2,370 GSF). The existing facilities were replaced with a structure of 5,600 GSF to provide enhanced accommodation for concerts, graduation convocations, and other mass outdoor events.	Jul-09
Transportation and Parking Services Offices (UF-290)	1,430	7,570	This project will relocate and replace the existing administrative and customer service office of the Transportation and Parking Services Division. The project will construct these facilities as a liner building to a parking garage. The existing 7,570 GSF temporary building offices will be demolished and replaced with 9,000 GSF of new construction.	Sep-09
The Counseling and Wellness Center – Phase I (UF-256)	23,635	-	This project will be funded from the Capital Improvement Trust Fund. This project will construct a new Counseling and Wellness Center to house programs to be relocated from the Infirmary and Peabody Hall. The project will also develop program and design for a Phase II addition.	Feb-10
<b>PROJECTS - SUPPORT / CLINICAL: UF&amp;SHANDS</b>				
Shands Medical Plaza B Addition	46,350	-	This project adds a new third and fourth floor to the existing clinical building. Phase I completed July 2005. Phase II completed March 2006.	Mar-06
Florida Surgical Center - Phase I	26,619	-	This project proposes to construct an outpatient ambulatory surgery center for use by various UF&Shands clinical practices. The facility will contain 8 surgery suites and employ approximately 30 people including some staff who are already employed at the adjacent Orthopaedic Surgery & Sports Medicine Center.	Sep-07
<b>SUBTOTAL SUPPORT / CLINICAL</b>	<b>137,829</b>	<b>132,074</b>		
<b>FUTURE LAND USE - CULTURAL</b>				

<b>PROJECTS - CULTURAL</b>				
Mary Ann Harn Cofrin Pavilion (UF-115)	23,216	-	This project provides exhibition gallery, support, cafe and curatorial spaces.	Oct-05
Phillips Center for the Performing Arts Lobby Expansion Phase I (UF-297)	5,021	-	The Phillips Center for the Performing Arts hosts a variety of performances in its 1,800-seat facility. The existing lobby is too small to accommodate full-house audiences during intermission. This project proposes to extend the existing lobby by creating a new front facade and enclosing two existing side terraces.	Feb-08
<b>SUBTOTAL CULTURAL</b>	<b>28,237</b>	<b>-</b>		
<b>FUTURE LAND USE - HOUSING</b>				
<b>PROJECTS - HOUSING</b>				
Murphree Hall Renovation (UF-236)	-	97,450	Scope includes removal of asbestos-containing floor tile and mastic, removal and replacement of existing windows, installation of new central air conditioning and heating hot water systems and associated steam and piping systems, installation of new electrical breakers, conduit and wiring, and upgrade of restrooms and miscellaneous interior finishes.	Jul-05
Delta Delta Delta Sorority House Replacement	7,102	-	The Sorority will demolish its existing house (16,020 GSF) on Sorority Row and build a new structure of 23,122 in the same location to better serve the needs of the members in an updated facility.	Aug-07
Alpha Epsilon Phi Sorority House Addition	630	-	This project will construct a 630 GSF addition to the existing house on SW 9 <sup>th</sup> Avenue.	Jan-08
Beta Theta Pi Fraternity House Addition and Renovation (UF Bldg. #430)	5,000	10,000	This project will provide new or renovated space for the house parent suite, chapter room, dining room, and kitchen. It will also renovate dorm rooms and provide an additional 9 beds. The project will also provide various life/safety and code compliance upgrades. The original house was constructed in 1955, and all renovation/addition work will respect and enhance the historic architectural character. The project has 4 phases planned over 3-4 years depending upon fundraising, with the first phase anticipated to begin in 2009.	Jun-10
<b>SUBTOTAL HOUSING</b>	<b>12,732</b>	<b>107,450</b>		
<b>FUTURE LAND USE - ACTIVE RECREATION</b>				
<b>PROJECTS - RECREATION SPORTS</b>				
Broward Courts Outdoor Recreation Complex, Phase II (UF-164)	2,962	-	Phase II constructed a restroom, pavilion, equipment storage building, a staff monitor building and landscape enhancements.	Oct-06

<b>PROJECTS - RECREATION: UNIVERSITY ATHLETIC ASSOCIATION</b>				
UAA Baseball Locker Room Construction and Lemerand Center Renovation (UAA-17)	45,374	24,000	The Spring Sports Master Plan calls for the initial construction of a new baseball/football building, and renovation of the existing Lemerand Center at Perry Field. The project will include restrooms and equipment storage serving the football practice field, and indoor batting cages. The Lemerand Center renovation will relieve overcrowding where five team sports share space, and will improve the appearance of Perry Field and the adjacent practice fields.	Nov-06
Golf Course Clubhouse Renovation and Expansion (UAA-19)	5,320	4,480	This project proposes to renovate the existing Golf Course Clubhouse to provide new entryway, offices, and locker rooms. The addition will enclose an existing patio to provide new space for cart storage and repair with a second story for event gatherings, concessions and restrooms.	Aug-08
UAA Lacrosse Field & Locker Room (UAA-20)	11,864	-	This project proposes to develop athletic fields with support structures such as equipment storage, locker rooms and spectator facilities.	Aug-09
<b>SUBTOTAL ACTIVE RECREATION</b>	<b>65,520</b>	<b>28,480</b>		
<b>FUTURE LAND USE - UTILITY</b>				
<b>PROJECTS - UTILITY</b>				
Health Science Center Emergency Power	-	-	The purpose of this project is due to the increasing demand for research equipment to be connected to power that is available in the event of an emergency, to upgrade the Health Science Center facilities to meet current code demands, and to isolate the current emergency power supply from its current Shands Hospital source. The power source will be constructed as mechanical space within a HSC building. This project was implemented in conjunction with the Biomedical Sciences Building (UF-269).	Jul-08
Reclaimed Water Storage Tank	11,310	-	The project will construct a 1.5 million gallon storage tank for reclaimed water with 400 GSF of associated support space. The tank will increase the University's reclaimed water irrigation capacity and minimize the discharge of reclaimed water into the injection well except during rainy seasons.	Jan-09
Chiller Plant #10 at Southwest Research	26,803	-	Building expansions in the Southwest Research Circle will require the construction of a new chiller plant to be located west of the Cancer/Genetics Research Center.	Aug-09
Corry Village Utilities Infrastructure Project (UF-341)	-	-	The project entails the installation of site underground utilities in advance of a phased renovation of all apartment buildings, including underground medium-voltage electrical distribution service; piping systems for sanitary sewer, potable water, and stormwater; and associated sitework and site improvements.	Apr-10
<b>SUBTOTAL UTILITY</b>	<b>38,113</b>	<b>-</b>		

FUTURE LAND USE - PARKING				
PROJECTS - TRANSPORTATION AND PARKING				
Garage 13 (UF-290)	-	-	This project proposes to construct a new parking structure on an existing surface parking lot and temporary building site at the northeast corner of Gale Lemerand Dr. and Mowry Rd. The structure will include a liner building to house the Transportation and Parking Services offices. The project will construct 956 parking spaces on an existing 325 space surface lot, for a net increase of approximately 631 parking spaces.	Sep-09
<b>PROJECTS - ALACHUA COUNTY SATELLITE PROPERTIES</b>				
Austin Cary Forest Building Demolitions	-2,445	-	During the period 2005-2010, several field support buildings were demolished including storage sheds, a caretaker residence, pump and other miscellaneous agricultural structures.	
Beef Research Unit Office Building #1347	570	-	This project will demolish a 430 GSF office and construct a new office building of 1,000 GSF.	Jan-10
Dairy Research Unit - Support Field Facilities	23,428	-	Between 2007-2010, field support building projects will construct two feed barns, a shadehouse and a storage building totaling 46,088 GSF. Over the same period, demolition of existing buildings totaled 22,660. The largest project is replacement of a feed barn.	Jan-10
Eastside Campus – Telecom. Infrastructure	264	-	This project will construct a telecommunications fiber hut to service redevelopment of the site.	Jul-05
Eastside Campus - Building 1603 Renovations	-	26,277	This project will renovate the existing building for occupancy by the Bridges administrative unit with space for offices, training, conference/seminars, mechanical and storage.	Sep-05
Eastside Campus - Powell Structures and Materials Laboratory (UF-201)	8,200	-	This new building is planned to be a one story enclosed building with approximately 8,565 GSF to house a concrete testing area, several offices, an instrumentation area, necessary support spaces and a storage area. The concrete testing area requires a 4-foot thick concrete floor foundation for the main testing area and strong walls. The interior is to have two 25 ton cranes for moving concrete test forms and have a clear height of 36 feet to the crane. The building has been sited to easily receive deliveries of approximately 40' long beams that will be brought by tractor-trailer.	Jan-06
Eastside Campus - Utility Compound	13,736	-	This project will construct various consolidated utility infrastructure to service redevelopment of the site. Portions of the utility compound were constructed in conjunction with the renovation of Building 1603 and completion of UF-201. Additional utilities and chilled water plant expansion will occur with construction of UF-310 by April 2010.	Apr-10
Eastside Campus - Office Building (UF-310)	83,526	-	This project will construct a 3-story office building to house various academic and administrative support functions. Associated parking, utilities, and site upgrades are also included in the project scope.	Jun-10
Eastside Campus Demolition	-53,739	-	Throughout this period, fifteen buildings were demolished to clear the site for parking and landscaping. These demolitions are in addition to those buildings demolished for specific new construction projects.	Jun-10
Lake Wauburg South	-	-	A ropes course will provide additional outdoor recreation resources.	Dec-13

Millhopper Horticulture Unit – FL Fish & Wildlife Building #1397	3,827		This project will construct office, lab and support space for the Florida Fish & Wildlife Conservation including some offices to be occupied by related University support.	Jul-07
Millhopper Horticulture Unit - Office Building #787	2,804	-	This project will construct space for ten faculty and staff offices.	Oct-07
Millhopper Horticulture Unit - Shadehouse Building #1398	9,928		This project will construct a shade house.	Jan-08
Millhopper Horticulture Unit Building Demolitions	-7,532	-	During the period 2005-2010, several field support buildings were demolished including an office, lab, pump house, and other miscellaneous agricultural structures.	Jun-10
Wall Farm/HTU - Field Support Buildings # 1349 & 1353	1,312	-	This project will construct structures for equipment storage, reproduction barn expansion and other field operations support. In 2007, two support/storage facilities were constructed totaling 1,312 GSF.	Nov-07
<b>PROJECTS - CAMPUS MASTER PLAN SATELLITE PROPERTIES OUTSIDE ALACHUA COUNTY</b>				
Davie/Fort Lauderdale REC - Graduate Housing, Bldg #5051	2,426	-	This project will construct a residence for graduate student(s) working at the site.	Dec-05
Davie/Fort Lauderdale REC - Graduate Housing, Bldg #5078	2,471	-	This project will construct a residence for graduate student(s) working at the site.	May-10
Davie/Fort Lauderdale REC – Facilities Relocation Phase I (UF-315)	-5,266	-	The project is relocating existing facilities from the portion of the property that has been leased to FAU. A total of 49,316 GSF will be demolished and 44,050 GSF will be constructed. The new construction will include replacement support, lab, and office space along with two new graduate student houses. A Phase II project is anticipated that will demolish and reconstruct approximately 19,600 GSF of support buildings.	Jun-09
Mid-Florida REC/Apopka - Termite Training Facility	6,000	-	This project will construct a support building.	Mar-08

**Completed Construction Projects, July 1, 2010 to June 30, 2015\***

Project Name (UF Project #)	Net New GSF	Renovated / Relocated GSF	Project Description	Completed / Occupancy
<b>FUTURE LAND USE - ACADEMIC / RESEARCH</b>				
<b>PROJECTS - ACADEMIC / RESEARCH</b>				
Veterinary Education and Clinical Research Center (UF-313)	110,243	-	This project is for construction of an addition to College of Veterinary Medicine Small Animal Hospital at the University of Florida, and renovation of existing hospital space. The proposed Small Animal Hospital Expansion is programmed to include 67,175 gross square foot of new facility, along with 49,233 gross square foot of renovated hospital space. This facility will allow the Small Animal Hospital to relieve space deficiencies, which are currently causing less efficient hospital function and customer service. The project was formerly named Vet Med Small Animal Hospital.	Oct-10

College of Engineering Renovations (UF-363)	-	38,500	The project will renovate four buildings (Benton Hall/Bldg. #0721, Nuclear Science/Bldg. #0634, Weil Hall/Bldg. #0024, and Larson Hall/Bldg #0722) within the College of Engineering. These projects are estimated at 35,000 - 40,000 total square feet. The purpose of these renovations is to create more lab space, reduce energy consumption, upgrade space to latest code, and allow for more technologically advanced lab space. The scope may also include the renovation of temporary space as laboratories are renovated. Weil Hall is on the National Register of Historic Places and will be modified accordingly.	Jun-11
Veterinary Medicine Auditorium (UF313-U)	7,976	-	This project will construct a new 165-seat auditorium north of the Veterinary Medicine Academic Building.	Aug-11
IFAS Professional Development Center (UF-361)	19,760	-	The Extension Professional Development Center will enhance UF IFAS extension, research, teaching and outreach programs and foster collaborative opportunities by all interested public and private community organizations. This facility will provide for academic support, office, and support space.	Dec-11
Weimer Hall Vertical Addition – Phase I (UF-342)	7,580	5,570	This project was split into two phases, the first of which includes an interior renovation and two floors of expansion infill that does not extend onto the 2001 addition. The project creates a "convergence newsroom" and support space within the radio and television studio area of the building.	Jul-12
Chemical Engineering Student Center	11,788	-	This addition to the existing Chemical Engineering Building will house new departmental offices and student lounges. The second floor will be shelled during Phase I construction, and completed as Phase II. The building will include a new shared public lobby/atrium that connects to the addition via a corridor and serves as a backdrop to the existing plaza west of the New Engineering Building.	Aug-12
Plant Science Diagnostics Facilities (IFAS - 11085)	6,232	-	This building will house all plant and soils diagnostic testing labs associated IFAS on the UF main campus. The project will be coordinated with and complement the planned IFAS Plant, Soil and Water Sciences building project.	Dec-12
Institute on Aging / Clinical Translational Research Building (UF-357)	119,725	-	This project will construct a new building up to 7 stories that will house clinical and support programs of the College of Medicine, Institute on Aging. These programs will move out of the Butler Building #210 and will demolish this 9,693 GSF temporary building. The new building is anticipated to construct 129,418 GSF, for a net increase of 119,725 GSF.	Jul-13
IFAS Communications Building	3,787	-	This project will demolish existing UF Bldgs #0449 (890 GSF) & 0661 (1,682 GSF) to replace them with a new 6,359 GSF building for communications offices.	Oct-13
Equine Sports Performance Complex (LM-5026)	14,149	-	This project will construct a new Equine Sports Complex to assess and treat equine lameness.	May-14
College of Business Administration Undergraduate Studies Building/ Heavener Hall (UF-380)	57,267	-	The proposed new building will be home to the School of Business undergraduate programs, consolidating functions currently housed in Matherly, Stuzin, and Bryan Halls. The new building will provide a variety of classrooms, study and breakout rooms, academic advising space, and staff offices, but faculty offices will remain in existing buildings. The project will also be responsible for enhancing the surrounding site,	Sep-14



			including the gateway/entry at the corner of SW 13th Street and University Avenue.	
<b>SUBTOTAL ACADEMIC/RESEARCH</b>	<b>358,507</b>	<b>44,070</b>		
<b>FUTURE LAND USE - SUPPORT / CLINICAL</b>				
<b>PROJECTS - SUPPORT / CLINICAL</b>				
Turlington Hall Addition (LM-4737)	2,481	-	This project will construct a new food service facility consisting of approximately 3,500 GSF on the west side of Turlington Hall. The project will also incorporate a relocation of the Student Information Booth (Bldg #447) and associated site improvements.	Aug-10
Student Information Booth (Bldg. 447) Relocation	-260	-	The existing information booth (260 GSF) was constructed in 1986. This project proposes to relocate the structure closer to the Computer Science Building or elsewhere on the site to facilitate pedestrian flow and transit access. This project should be accomplished in conjunction with overall site enhancements.	Aug-10
EH&S Administrative Building Addition (LM-4893)	4,686	-	This project will construct an addition to the existing EH&S administrative offices in UF Bldg. #0179	Nov-11
Sun Terrace Expansion (UF-354)	4,562	1,005	This project will construct a 1,500 GSF addition to the existing Sun Terrace food service and a new structure of 4,000 GSF for expanded food service. The project will also provide enhanced outdoor seating, an enhanced entrance to the Health Center Library from the Sun Terrace, and possibly a covered walkway leading to the library.	Mar-12
P.K.Y. Developmental Research School Replacement Facilities	27,397	-	Phase 1 of the PKY redevelopment plan demolishes an existing 9,237 GSF building #0514 and constructs a 36,634 GSF building for elementary classrooms.	May-12
Rawlings Hall Addition	3,339	-	This project will construct an addition to the west façade of Rawlings Residence Hall. It will create a new entry that features food services, restrooms, seating areas and support space. Space will include 3,339 GSF of interior space plus approximately 2,000 GSF of outdoor covered walkway and seating area.	Mar-13
Fresh Food Court (LM-5005)	5,866	7,225	This project will expand the existing Fresh Food Court at Broward Dining on Inner Road to add 340 seats and needed support space.	Jan-14
Wilmot Gardens Greenhouse (LM-5040)	3,653	-	The greenhouse will be constructed along the south border of Wilmot Gardens to support the healing garden and research functions of the rehabilitated gardens.	Feb-14
Dasburg President's House (MP-00076)	6,300	-	The project will construct a new home for the University President.	Dec-14
<b>PROJECTS - SUPPORT / CLINICAL: UF&amp;SHANDS</b>				
Shands Facilities Administration	-1,050	-	The project will demolish the remaining Schucht Village building (23,050 GSF) to construct administrative offices (12,000 GSF) and an emergency power generating plant (10,000 GSF) for Shands Hospital.	May-13
<b>SUBTOTAL SUPPORT / CLINICAL</b>	<b>56,974</b>	<b>8,230</b>		

<b>FUTURE LAND USE - CULTURAL</b>			
<b>PROJECTS - CULTURAL</b>			
Harn Museum Addition – Asian Art Wing (UF-273)	25,920	-	This project will construct 25,800 GSF of new exhibit, curatorial and support space to house the Asian Art collection. The project also includes an exterior Asian Garden and other site improvements.
<b>SUBTOTAL CULTURAL</b>	<b>25,920</b>	<b>0</b>	
<b>FUTURE LAND USE - HOUSING</b>			
<b>PROJECTS - HOUSING</b>			
Alpha Epsilon Pi (AEPi) Fraternity House Replacement (UF Bldg #431)	3,047	-	This project will demolish the existing fraternity house on Stadium Road. The existing house of 10,980 GSF will be replaced with a new house of 14,027 GSF.
Corry Village Reconstruction - Phase 1, Commons Building (UF-365)	10,093	-	This project will conduct a facilities assessment to determine the best approach for a net gain of 200 graduate/family housing units. University village communities have an average occupancy of 1.7 persons/dwelling unit, therefore, this project would house approximately 340 new residents for a total of approximately 556 persons in Corry Village. Phase I (UF-365) – Corry Village Commons Building Replacement demolishes the existing 1,020 GSF building and replaces it with a new 9,000 GSF building.
Phi Mu Sorority Addition and Renovation	1,800	-	This project will construct an addition of 1,800 GSF to the existing house on Sorority Row for use as a Chapter Room.
Theta Chi Fraternity	6,522	-	This project will demolish the existing house of 14,478 GSF on Fraternity Row, and replace it with a building of 23,546 GSF and increase the number of beds from 50 to 60.
Phi Mu Sorority Addition and Renovation - Phase 2	568	200	This project will construct an addition of 568 GSF to the existing house on Sorority Row for an expanded and renovated kitchen.
Single Student Housing 2015 (UF-400)	85,554	-	This new residence hall is to increase the number of beds available to undergraduate students with a design mix of Single Occupancy Suites, Double Occupancy Suites, Single and Double Occupancy ADA Enhanced Suites and several "Super Suite" style rooms. The building is anticipated to be five stories and provide 250 beds.
<b>SUBTOTAL HOUSING</b>	<b>107,584</b>	<b>200</b>	
<b>FUTURE LAND USE - ACTIVE RECREATION</b>			
<b>PROJECTS - RECREATION SPORTS</b>			
Southwest Recreation Center Expansion, Phase III (UF-331)	42,175	6,600	Construct additional student recreation facilities to potentially include a track, wellness center, activity rooms, increased strength and cardiovascular space, climbing wall, cycling room and juice bar with related office and support space.
<b>PROJECTS - RECREATION: UNIVERSITY ATHLETIC ASSOCIATION</b>			
Scoreboard Control Room & Baseball/Softball Scoreboards Renovation	-	200	UAA's electronic media department, GatorVision, seeks to equip a high definition-quality video control room in space already allocated in Weimer Hall for this purpose. The project would include fiber connections, as well as the necessary equipment to produce all video board productions and live web casts for football, men's and women's

			basketball, volleyball and gymnastics. The project may also renovate baseball/softball scoreboards.	
O'Connell Center 1 <sup>st</sup> Floor Renovation (UAA-24)	-	33,700	The project consists of approx. 18,800 GSF of renovation and approx. 14,900 GSF of refinished space to the lower level of the O'Connell Center. The renovation and improvements of the facilities are necessary to 1) replace and update the currently out dated, deteriorated, and damaged finished; 2) provide more efficient use of space for this level's operational changes; and 3) provide a better image and atmosphere for users of the facilities on the lower level of the O'Connell Center.	Dec-11
Ben Hill Griffin Stadium West Concourse Renovation (UAA-25)	-	47,083	This project will renovate the west concourse of the football stadium on the main and upper levels plus adjacent Restrooms and Concessions. The design is aimed at improving the Stadium functionality and image for both game day and non-game day use.	Jul-12
O'Connell Center Gymnastics Studio (UAA-27)	10,936	13,994	This project will renovate and expand the gymnastics studio to meet current needs. The project will modify space on the concourse, lower level and mezzanine mechanical area.	Dec-12
Softball Batting Complex Renovation (UAA-26)	11,936	3,496	This project will upgrade the Women's Softball Complex at the Katie Seashole Pressly Stadium. The project will replace the existing practice batting facility with a new structure for five batting lanes, and add additional seating to the east and west sides of the field. The interior renovation includes remodeling the existing storage area for umpire locker rooms, install power infrastructure for a new video system in the team meeting room, and finish the walls and ceiling.	Dec-12
Tennis Practice Facility (UAA-23)	-	22,509	This project will renovate the existing Linder Tennis Stadium (Bldg #125) to meet current NCAA standards, and improve the visitor and athlete experience. The extent of the renovation is being determined but may include a complete demolition and rebuild.	Jan-13
<b>SUBTOTAL ACTIVE RECREATION</b>	<b>65,047</b>	<b>127,582</b>		
<b>FUTURE LAND USE - UTILITY</b>				
<b>PROJECTS - UTILITY</b>				
Corry Village Utilities Infrastructure Project (UF-341)	-	-	The project entails the installation of site underground utilities in advance of a phased renovation of all apartment buildings, including underground medium-voltage electrical distribution service; piping systems for sanitary sewer, potable water, and stormwater; and associated sitework and site improvements.	Apr-10
Distributed Antenna System Head Building	7,500	-	The project will construct an equipment building to support the on-campus cellular providers' antenna systems.	Dec-14
Tigert Area Fiber Hut	260	-	New Communications Infrastructure Building to support growing network needs for the UF campus. This will enhance the security, reliability and redundancy of the network.	Jun-15
<b>SUBTOTAL UTILITY</b>	<b>7,760</b>	<b>-</b>		

FUTURE LAND USE - PARKING				
PROJECTS - TRANSPORTATION AND PARKING				
Veterinary Medicine West Parking Lot (UF313-N)	-	-	This project will demolish the Livestock Pavilion and construct a parking lot, that together with the lot reconfigured for the Veterinary Education and Clinical Research Center (UF-313), will provide 608 parking spaces for the project. Considered with the existing parking lot that the building consumed, this will result in a net increase of 31 parking spaces.	Jun-11
Hull Road West Park & Ride Lot Expansion	-	-	A private entity will be extending Hull Road westward and modifying existing parking in the Park & Ride 2 parking lot. A new parking lot will be constructed south of the new road alignment, which is expected to provide a net gain of 144 parking spaces.	May-14
PROJECTS - ALACHUA COUNTY SATELLITE PROPERTIES				
Austin Cary Conference Center Replacement	5,390	-	The 4,197 GSF conference center at Austin Cary was destroyed by fire in 2011. A replacement building of 9,578 GSF will be constructed on the site of the former building.	Apr-14
Beef Research Unit Building Demolitions	-2,960	-	During the period 2010-2014, several field support buildings were demolished including several agricultural storage structures.	Oct-11
Dairy Research Unit Building Demolitions	-60	-	During the period 2010-2014, one field support buildings was demolished.	Oct-12
Eastside Campus Powell Structures Lab Addition (UF-310B)	-8,443	-	This project will construct an 12,679 GSF addition to the existing Powell Structures Laboratory. Through this and related projects, several buildings will be demolished including #1620 (2,643 GSF), #1616 (5,465 GSF), #1601 (2,661 GSF), #1602 (4,450 GSF), and #1605 (5,903 GSF).	Aug-12
Eastside Campus - Building 1604 Renovation	-	16,187	This project will renovate the existing building for occupancy by the administrative units and College of Engineering researchers with space for offices, training, mechanical and storage.	Sep-12
Eastside Campus Data Center (UF-310A)	15,338	-	This project will demolish exiting buildings #1621 (7,748 GSF) and #1622 (3,096 GSF) then construct a 26,182 GSF data center for consolidated back-up of main campus computing systems.	Jan-13
Eastside Campus Utility Yard	10,359	-	This project will construct a utility yard associated with UF-310A.	Jan-13
Millhopper Horticulture Unit – USGS Auditorium Addition	1,800	-	The project will construct a small auditorium addition on an existing concrete block research building subleased by USGS.	Jan-13
PROJECTS - CAMPUS MASTER PLAN SATELLITE PROPERTIES OUTSIDE ALACHUA COUNTY				
Davie/Fort Lauderdale REC	-	-	none this period	
Mid-Florida REC/Apopka - Termite Training Facility	2,000	-	This project will construct a building for classrooms, laboratories and offices.	Sep-11

**\*Note: This table includes projects currently under construction or in design that will be complete by this date.**

### **III. Operations and Maintenance**

#### **A. *Overview***

The mission of the University of Florida Physical Plant Division and IFAS Facilities Operations is to maintain a physical environment conducive to teaching, learning and research at the university. The University's preventive maintenance activities are designed to minimize functional failures in the physical environment so that the university community is not interrupted in pursuit of its educational and research objectives. Facility maintenance must also address the long-term viability of a structure and the health, fire and life safety requirements of its occupants.

**Buildings.** Maintenance of buildings, utility systems and grounds is a significant activity that must be on-going in order to protect and maintain the public investment. A comprehensive preventive maintenance program promotes safety and decreases the total long-run cost of maintenance.

Preventive maintenance is the utilization of planned services, inspections, adjustments and replacements designed to ensure maximum utilization of equipment at minimal cost. Specifically, preventive maintenance includes cleaning, adjustments, lubrication, minor repairs and parts replacement that are performed on scheduled frequencies according to written preventive maintenance standards.

The benefits of a successful preventive maintenance program almost always represent cost savings. Most notable is the reduction of unscheduled downtime of critical systems and equipment. A good preventive maintenance system extends the useful life of equipment and facilities, ensures proper equipment operation, increases equipment reliability, reduces energy consumption and improves indoor air quality. Public health is protected by assuring indoor air quality with routine replacement of filters and keeping air handlers free of mold growth and other hazards. In addition, preventive maintenance improves safety by identifying and correcting unsafe conditions before a loss occurs. Preventive maintenance also improves the overall appearance of facilities, thus improving the public's image of both the institution and the State that manages it.

The purpose of the preventive maintenance program is to maintain buildings and associated utility systems in a serviceable condition for the expected useful life of the structure. The preventive maintenance program provides for the automatic generation of work orders to inspect and service mechanical and electrical systems (heating, ventilation, air conditioning, plumbing and utility distribution systems), safety items and other building components.

The custodial maintenance of university buildings and the continuous maintenance of the campus grounds are performed on a planned maintenance basis which ensures that all buildings and areas receive service at the required periodic intervals. Different services are provided on a daily, weekly, monthly, quarterly, semi-annual or annual basis depending on the service, the building type and the use of the individual building or area.

**Equipment and Vehicles.** The University of Florida has adopted the Department of Transportation's vehicle preventive maintenance program. This program meets the requirements of either the vehicle manufacturer's recommendations and includes preventive maintenance requirements for warranty enforcement.

#### **IV. Conditions Inventory**

The University's preventive maintenance programs and automated work order systems provide useful information for identifying deficiencies in buildings, building systems and infrastructure. However, periodic and ongoing facility condition audits are useful to document the extent and specifics of deficiencies. The IFAS Facilities Operations and Physical Plant Division each maintain building condition assessments for use in developing the funding requests for Public Education Capital Outlay (PECO) monies.

#### **V. Deferred Maintenance**

##### **A. *National Trends***

Nationwide, universities have been unable to adequately fund the routine maintenance of their capital facilities. A 2013 report, "The State of Facilities in Higher Education: 2013 Benchmarks, Best Practices, & Trends" by Sightlines finds that "buildings typically cross major capital thresholds after 25 and 50 years of age; times when most major component systems require replacement. Currently, the buildings built in the 60s and 70s in response to the post WWII baby boom and major science investments from the government in those decades are nearing or have crossed the 50-year mark. Many have not had significant renovation. This is happening at the same time that buildings from the construction boom of the 1990s will be nearing the 25-year mark. The result is substantial growth in the backlog of deferred maintenance."

##### **B. *University of Florida Trends***

The University of Florida has followed the national trend in its struggle to keep pace with maintenance needs. In December 2013, Sightlines presented a report to UF with analysis of its facilities compared against 15 peer E&G institutions and eight peer HSC institutions. UF's HSC space is on average 10 years younger than E&G space. E&G space is older and smaller than HSC buildings, with 52% of the space at least 25 years or older. E&G buildings that are 25 years or older are also among UF's smallest building averaging less than 20,000 square feet in size. UF's E&G buildings are also the smallest among its E&G peer group. UF's HSC buildings are smaller than average for its peer group as well. More than half of UF's capital expenditures are on new space. UF's backlog for E&G and HSC has doubled from 2008 to 2013.

##### **C. *Department of Housing and Residence Education***

Facilities under the management of the university's Department of Housing and Residence Education have similar deferred maintenance needs to those of other campus facilities. The following table displays the anticipated funding to be budgeted for deferred maintenance of Housing and Residence Education facilities. These funding levels are for deferred maintenance only and do not include any new construction projects. Anticipated housing renovation and deferred maintenance projects are presented in the Housing Master Plan, 2012-2018.

## **VI. Historic Preservation**

Historic resources are defined as all areas, districts or sites containing properties listed on the Florida Master Site File, the National Register of Historic Places, or designated by the University as historically, architecturally or archaeologically significant, and those properties eligible for inclusion on the National Register of Historic Places based on being at least 50-years of age and having received a review from the State Division of Historical Resources documenting its historical significance. The historic building resources of the University of Florida create unique opportunities and challenges for building maintenance. Currently, over 7 million gross square foot of buildings on main campus were constructed prior to 1970 meaning that they are now or soon will be of age to consider eligibility for the National Register of Historic Places. The majority of these buildings, over 5 million gross square foot, was constructed between 1950 and 1969 and is only recently becoming considered “historic”. These historic structures require special consideration during routine maintenance and any rehabilitation, renovation or remodeling. The University of Florida’s Programmatic Memorandum of Agreement with the state’s Division of Historical Resources identifies the Historic District and twenty-one buildings currently on the National Register of Historic Places. In 2008 an additional 10 buildings, plus the Plaza of the Americas, were added to the National Register. Five of these buildings and the Plaza are within the already established Historic District.