



THE FLORIDA INTERNATIONAL UNIVERSITY
BOARD OF TRUSTEES
BOARD MEETING

VIA
TELEPHONE CONFERENCE
MONDAY, 26 JULY 2004
3:00 P.M.

AGENDA

- | | | |
|-------------|---|---------------------------|
| I. | CALL TO ORDER | CHAIRMAN HENRIQUES |
| II. | CHAIRMAN'S REMARKS | CHAIRMAN HENRIQUES |
| III. | ITEMS FOR BOARD CONSIDERATION | |
| | 1. APPROVAL OF MINUTES | CHAIRMAN HENRIQUES |
| | • 4 March 2004 - Joint session of Board
of Directors and Board of Trustees | |
| | • 14 June 2004 | |
| | 2. FIXED CAPITAL OUTLAY (FCO) BUDGET
REQUEST, 2005-2006 | CHAIRMAN HENRIQUES |
| | 3. 2000-2010 CAMPUS MASTER PLAN UPDATE | CHAIRMAN HENRIQUES |
| IV. | OTHER BUSINESS (<i>IF ANY</i>) | CHAIRMAN HENRIQUES |
| V. | ADJOURNMENT | CHAIRMAN HENRIQUES |

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***THE FLORIDA INTERNATIONAL UNIVERSITY
BOARD OF TRUSTEES AND BOARD OF DIRECTORS
JOINT MEETING***



FLORIDA INTERNATIONAL UNIVERSITY
Miami's public research university

**MINUTES
THURSDAY, 4 MARCH 2004
9:00 A.M.
BOARD MEETING
FLORIDA INTERNATIONAL UNIVERSITY
UNIVERSITY PARK CAMPUS
CENTER GRAHAM CENTER BALLROOM
MIAMI, FLORIDA**

I. CALL TO ORDER

Chairman Adolfo Henriques convened the joint meeting of The Florida International University Board of Trustees and Foundation Board of Directors at 9:15 a.m., on Thursday, 4 March 2004, at Florida International University, University Park Campus, Miami, Florida. Chairman Donald Lefton of the FIU Foundation Board of Directors did the same.

The following attendance was recorded:

BOT MEMBERS PRESENT:

Betsy S. Atkins
Rafael A. Calderón
Albert E. Dotson, Sr.
Marcel Escoffier
Patricia Frost
Adolfo Henriques
Miriam Lopez
Sergio Pino
Claudia Puig
Rosa Sugrañes
Clayton Solomon
Herbert A. Wertheim
Modesto A. Maidique

EXCUSED:

David R. Parker

BOD MEMBERS PRESENT:

Gayle Bainbridge
Luis E. Perez
Bonnie M. Crabtree
Kirk Landon
David L. Perlman
Jesus Diaz
Thomas Gene Prescott
Noel Guillama-Alvarez
Jeffrey Horstmyer
Larry Kahn
Donald E. Lefton
Ray E. Marchman
Albert Morrison, Jr.

Ernesto Ramon
Carlos Sabater
Keith St. Clair
Ronald Shuffield
Joan Peven Smith
Howard Leonhardt
Theodore Spak
Jose Valdes-Fauli
Mitchell Wolfson, Jr.
Nicaise Parillon
Isaac Zelcer
Martha Pelaez

BOD MEMBERS EXCUSED:

Jose I. Astigarraga
Donald V. Browne
Charles Dascal
Nancy Jean Davis
Carlos M. de Cespedes
Robert Dickinson
Stephen J. Dresnick
William A. Graham
Dorothea Green

Jay M. Haft
Sherrill W. Hudson
Roz Kovens
Thomas Kuntz
Joseph P. Lacher
Carlos A. Migoya
Diego R. Suarez
Keith R. Tribble
Sanford Ziff

BOD MEMBERS ABSENT:

Cesar L. Alvarez
John Hogan

Jim Mandich
Joe Merino

Mayra Beers, Marisa Diaz and Erica Martinez took a silent roll.

II. CHAIRMAN'S REMARKS

Chairman Lefton and Henriques welcomed everyone to the meeting. Chairman Lefton briefly explained the purpose of the meeting and outlined the goals of the capital campaign.

President Maidique outlined goals for the University's capital campaign.

III. PHILANTHROPIC TRENDS AND CHALLENGES, PUBLIC UNIVERSITIES AND COMPREHENSIVE CAMPAIGNS

Bruce Flessner outlined the campaign process for a public University. Topics of discussion included philanthropic trends and challenges for public university campaigns.

IV. UNIVERSITY PRIORITIES

Chairman Lefton introduced President Maidique to present University Priorities.

V. CAPITAL CAMPAIGN

VP Howard Lipman outlined the University's Capital campaign plan.

1. CAPITAL CAMPAIGN PREPARATION

VP Lipman outlined the eight recommendations for capital campaign preparation including resources, management systems, redefining of roles, and strategic implementation.

2. CAPITAL CAMPAIGN FUNDING

VP Lipman outlined the proposed campaign funding.

Bruce Flessner briefly explained the proposed methods for University Boards to solicit money to fund capital campaigns.

3. CAPITAL CAMPAIGN LEADERSHIP

VP Lipman spoke of the phases of the campaign, including identification of campaign leadership, campaign case prospectors, volunteer structures, development staff training, and major gifts prospecting.

Chairman Henriques and Lefton both stressed the important role each person must play to facilitate the vision of this campaign through personal and monetary support.

4. RESOLUTION-BOARD OF DIRECTORS AND BOARD OF TRUSTEES

After discussion and amendments, the Board of Trustees and the Board of Directors unanimously approved the following amended motion:

RESOLVED that a Capital Campaign Steering Committee is hereby established composed of members of the Florida International University Board of Trustees, the Florida International University Foundation Board of Directors and community leaders to approve the formal, public Campaign goal, Campaign policies, and to cultivate and solicit Campaign leadership gift commitments, and

FURTHER RESOLVED that a Campaign Planning Study Task Force is hereby established to conduct a Campaign Planning Study, and

FURTHER RESOLVED that the Campaign Planning Study Task Force establish the need for the Campaign and the Campaign priorities and send its recommendations to the Academic Policy and Student Affairs Committee of the Florida International University Board of Trustees and Capital Campaign Steering Committee for its review and recommendations prior to submission to the full Board of Trustees and Board of Directors for approval, and

FURTHER RESOLVED that the Finance and Audit Committee of the Board of Trustees and Finance Committee of the Board of Directors, in conjunction with the Capital Campaign Steering Committee, develop a plan, within available funds, to fund the Campaign. Such a plan would be presented to both Boards for approval.

VI. OTHER BUSINESS

No other business was discussed.

VII. ADJOURNMENT

With no other business raised, the meeting was adjourned at 10:25 a.m.

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03/09/04

Adolfo Henriques
Chairman, BOT

Donald Lefton
Chairman, BOD

Modesto A. Maidique
Corporate Secretary, BOT

S. Lawrence Kahn, III
Corporate Secretary, BOD

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DRAFT

***THE FLORIDA INTERNATIONAL UNIVERSITY
BOARD OF TRUSTEES***



FLORIDA INTERNATIONAL UNIVERSITY
Miami's public research university

**MINUTES
MONDAY, 14 JUNE 2004
BOARD MEETING
FLORIDA INTERNATIONAL UNIVERSITY
UNIVERSITY PARK CAMPUS
EVERGLADES RESIDENCE HALL
MIAMI, FLORIDA**

I. CALL TO ORDER

Chairman Henriques convened the meeting of The Florida International University Board of Trustees at 9:05 a.m., on Thursday, 14 June 2004, at Florida International University, University Park Campus, Everglades Residence Hall, Miami, Florida.

The following attendance was recorded:

PRESENT:

Albert E. Dotson, Sr.
Adolfo Henriques
Sergio Pino
Claudia Puig
Rosa Sugrañes
Clayton Solomon
Marcel Escoffier
Modesto A. Maidique

EXCUSED:

Betsy S. Atkins
Rafael A. Calderón
Patricia Frost
Miriam Lopez
David R. Parker
Herbert A. Wertheim

SPECIAL GUEST OF THE BOARD:

Carlos Migoya, FIU Foundation Chairman

Mayra Beers took a silent roll.

II. CHAIRMAN'S REMARKS

Chairman Henriques welcomed everyone to the meeting including several members of the Foundation Board of Directors. He congratulated Trustee Rosa Sugrañes for her recent State of the Arts address. The Chairman extended a warm welcome to Carlos Migoya, new FIU Foundation Board of Directors Chairman, and to Jorge Rosario, new University Park Campus SGA President and the new Student Trustee of the FIU Board. The Chairman also introduced Ruth Webster, SGA Biscayne Bay Campus President and *ex officio* member of the Foundation Board of Directors.

On behalf of the Board, Chairman Henriques and President Maidique presented former student Trustee Clayton Solomon with a plaque of appreciation for his work on the FIU Board of Trustees during his tenure as University Park Student Government President.

Chairman Henriques reported on recent FIU honors including an update on ABA accreditation of the FIU School of Law and a fourth consecutive win by Honors College students at the Model UN competition in New York City. He congratulated current student Kelsey Vaughn who recently received both the prestigious Harry S. Truman Scholarship and the Charles Rangle International Affairs Fellowship.

Chairman Henriques also noted several important grants and gifts to the University including a recent gift by Mr. Kirk Landen of \$5 million for the School of Business – the single largest cash gift ever made to FIU. The gift will be matched by a State grant which will mean \$10 million for undergraduate programs in the School of Business. In addition, President Maidique provided an update on the groundbreaking on the joint-venture FIU School of Hospitality Management in Tianjin, China.

III. REQUESTS TO ADDRESS THE BOARD

Chairman Henriques recognized Marcel Escoffier, President of the Faculty Senate and FIU Trustee who read a report from Dr. Howard Rock, faculty representative to the Board of Governors.

Chairman Henriques recognized Carlos Migoya who gave a report on the FIU Foundation's activities.

IV. ITEMS FOR APPROVAL

Consent Agenda- Chairman Henriques noted two amendments to items in the consent agenda as follow:

Amendment to Item 2, Tuition Fees Rule: As per Chancellor Debra Austin's office, the following corrections to the fee schedule should be made

- Undergraduate Non-Res. Matriculation increased from \$68.16 to \$71.33.
- Undergraduate Non-Res. Stud. Fin. Aid fee increased from \$3.40 to \$3.56.

- Graduate Non-Resident Fee increased 1 cent, from \$609.94 to \$609.95.
- Graduate Non-Res. Fin. Aid increased 1 cent, from \$30.49 to \$30.50.
- Law Non-Res. Fin. Aid increased 1 cent, from \$31.76 to \$31.77.

Amendment to Item 10, Florida Educational Equity Act: Addition of language as follows:

FURTHER RESOLVED that the Board shall delegate authority to the University President to make any subsequent amendments that are based on comments to the Plan received by the University in writing from the Board of Access and Equity and to file the final report.

With no further discussion, the Board adopted the following Amended Consent Agenda:

RESOLVED, that the Florida International University Board of Trustees adopts the following matters included in the Consent Agenda:

1. Minutes 03-04-04 (Exhibit "A"),
2. Tuition Fees Rules (Amended Exhibit "B"),
3. Purchasing Rule (Exhibit "C"),
4. Amended 2003-2004 Fee Waiver Authority (Exhibit "D"),
5. Housing Rental Rate Proposal (Exhibit "E"),
6. Substantial Interest Hearings (Exhibit "F")
7. Alcoholic Beverages Rules (Exhibit "G"),
8. Tenure as a Condition of Employment (Exhibit "H"),
9. Tenure and Tenure and Promotion Nominations (Exhibits "I" and "J"),
10. Florida Educational Equity Act (Amended Exhibit "K"),
11. Non-applicability of Board of Governors' Personnel Rules, (Exhibit "L")
12. Termination of Employment (Exhibit "M"),
13. President's Performance Evaluation Process Timetable (Exhibit "N"), and

FURTHER RESOLVED that Exhibits "A," "B," "C," "D," "E," "F," "G," "H," "I," "J," "K," "L," "M," & "N" are attached to this Resolution and made part of the minutes for this meeting.

Other Action Items

Item 14 – Service Employees International Union (SEIU) – Healthcare Professional Unit Recognition.

Chairman Henriques requested that the Board voluntarily recognize Service Employees International Union (SEIU).

Without further discussion, the Board adopted the following Resolution:

RESOLVED, that the Board of Trustees voluntarily recognizes Service Employees International Union, Local 1991, AFL-CIO, CLC ("SEIU") as the exclusive collective bargaining representative for the bargaining unit described in attached Exhibit "O", and

FURTHER RESOLVED, that the University administration take all actions necessary to give effect to this Resolution.

Item 15 – Florida Lambda Rail Financing

Chairman Henriques reported that he Board had approved the University's participation in the state's Lambda Rail (FLR) Initiative. He reported that Northern Trust has been identified as the financing agent for the project and that it requested a Resolution confirming the action taken.

After discussion, the Board adopted the following Resolution:

RESOLVED, that the statements set forth in the President's letter attached as Exhibit "P" hereto are hereby ratified and confirmed; and

FURTHER RESOLVED, that Florida Lambda Rail and Northern TrustBank of Florida N.A. may rely upon this Resolution as evidence of said ratification and confirmation.

Item 16 – Consultant to the Administration and Compensation Committee

Administration and Compensation Committee Chair Albert Dotson reported that the Committee was requesting Board approval for hiring a consultant to assist the Committee in the 2004 performance evaluation for President Maidique. Chairman Dotson noted the Committee had considered four consultants before making its recommendation.

With no further discussion, the Board adopted the following Resolution:

RESOLVED that the Florida International University Board of Trustees approve the hiring of a consultant only for the 2003-2004 fiscal year to assist the Administration and Compensation Committee in preparing the 2003-2004 performance evaluation report of the University president,

FURTHER RESOLVED that at a cost of no more than \$5,000, A.T. Kearney be engaged to conduct interviews with each Board member on the President's performance for the 2003-2004 fiscal year using the agreed upon eight item survey approved by the Board and attached to this resolution as Exhibit "Q", and

FURTHER RESOLVED that A.T. Kearney prepare a report of the aggregate findings and present it to the Administration and Compensation Committee Chair.

Item 17 – Ph.D. in Public Health

Academic Policy and Student Affairs Committee member Marcel Escoffier presented a request for approval of a Ph.D. in Public Health.

After discussion, the Board adopted the following Resolution:

RESOLVED that the Florida International Board of Trustees approve the Doctor of Philosophy in Public Health proposal as a new academic program under the College of Health and Urban Affairs as set forth in Resolution as Exhibit "R", and

FURTHER RESOLVED, that the University file the proposal with the Division of Colleges and Universities and submit the proposal to the Florida Board of Governors for approval.

Item 18 – Athletic Fee

Finance and Audit Committee Chair Rosa Sugrañes reported that FIU was moving to Division I-A Football in Fall 2004 and needed additional sums to satisfy the requirements of moving to that Division. She noted the State Legislature had made provision for the increase in SB 2810.

Chairman Henriques requested input from Jorge Rosario who noted that there would be a full hearing for student input and that the fee had strong student support.

With no further discussion, the Board adopted the following Resolution:

RESOLVED that pending the result of hearings held by the University Fee Committee, the Florida International University Board of Trustees approves the \$2.00 per student credit hour fee for implementation of Division I-A football beginning in Fall 2004 as provided under Senate Bill 2810, attached to this Resolution as Exhibit "S".

Item 19 - Proposed 2004-05 University Operating Budget

Finance and Audit Committee Chair Rosa Sugrañes reported that the Committee had carefully reviewed the proposed University Operating Budget for 2004-2005 and was ready to present it for Board review and approval. She requested that EVP for Business and Finance, Dr. Paul Gallagher, report on the final expenditures for the 2003-2004 budget and then present the proposed 2004-2005 university operating budget detail.

EVP Gallagher presented his report with a series of charts and tables outlining the different sections of the proposed budget for 2004-2005.

After discussion by the Board, the following Resolution was adopted:

RESOLVED that the Florida International University Board of Trustees approves the proposed 2004-2005 University Operating Budget attached to this Resolution as Exhibit "T", and

FURTHER RESOLVED that the Board delegate to the University President the authority to amend the budget to effectuate all programs and actions approved by the Board in its approval of the 2004-2005 University Operating Budget, and

FURTHER RESOLVED that the University President shall keep the BOT informed of any changes in excess of 2% made to the total approved 2004-2005 Operating Budget during the operating year.

V. COMMITTEE STATUS REPORTS

Chairman Henriques requested that each Committee present a report to the Board of other items discussed at the Committee level but which required no Board action at this time.

Finance and Audit Committee Report

Finance and Audit Committee Chair Rosa Sugrañes reported that at its 24 May 2004 meeting, the Committee adopted a working draft of a new charter for the Committee. She added that the Committee expected to hold a special meeting during the summer to finalize the charter's language and provisions and would present a final recommendation to the Board for approval. She added that the Committee had also agreed to form a task force in conjunction with the FIU Foundation to develop the best strategies for financing the Capital Campaign.

Academic Policy and Student Affairs Committee Report

Academic Policy and Student Affairs Committee member Marcel Escoffier reported that at its 24 May 2004 meeting, the Committee heard a student affairs report and the latest information regarding the Board of Governors proposal for the development of an Academic Learning Compact to assess student outcomes.

Trustee Escoffier noted that the Committee also discussed the impact of the Hospitality Management expansion into China and then asked Cristina Mendoza to provide the Board with a progress report on the HCET audit. She reported that meetings with the federal auditors were progressing well and that the University expected a final report in late summer.

Administration and Compensation Committee Report

Administration and Compensation Committee Chairman Albert Dotson reported that the Committee met twice since the last Board meeting (21 April 2004 and 5 May 2004) and began the President's performance evaluation process for 2004. He then requested Cristina Mendoza provide a collective bargaining update for the Board. She noted that bargaining was progressing and that several meetings had already been scheduled for the upcoming weeks.

Governmental Relations Committee Report

Chairman Henriques requested that Governmental Relations Committee staff liaison Steve Sauls provide an update of legislative affairs for the Board. Vice-Provost Steve Sauls asked Trustees to mark their calendars for 9 March 2005 for FIU Day at the State Capitol. He also reported that for fiscal 2005 there was an ambitious federal agenda.

VI. Discussion Topics

Chairman Henriques requested that Provost Rosenberg provide the Board with an update on the Health and Medical Education Initiative. The Provost reported on some of the activities of the task force over the last few months and noted that the proposal would be presented to the Board of Governors in the next few weeks.

VII. Other Business

On behalf of the Board, Chairman Henriques and President Maidique presented faculty Trustee Marcel Escoffier with a plaque of appreciation for his work on the FIU Board of Trustees during the 2003-2004 academic year. The Chairman added that although this would be the last meeting for Marcel as a Trustee, he looked forward to working with Professor Escoffier through his service on the Board's Finance and Audit Committee.

Chairman Henriques also recognized Bruce Hauptli, Chairman-elect of the FIU Faculty Senate, who would be the incoming Faculty Trustee beginning in August 2004.

VIII. ADJOURNMENT

With no other business raised, the meeting of the FIU Board of Trustees was adjourned on Monday, 14 June 2004, at 10:52 a.m.

meb
06.15.04

Adolfo Henriques
Chairman
FIU Board of Trustees

Modesto A. Maidique
Corporate Secretary
FIU Board of Trustees

Attachments:

Exhibits "A", "B", "C", "D", "E", "F", "G", "H", "I", "J", "K", "L", "M", "N", "O", "P", "Q",
"R", "S", & "T".

**THE FLORIDA INTERNATIONAL UNIVERSITY
BOARD OF TRUSTEES
BOARD MEETING
CONFERENCE CALL**

26 JULY 2004

SUBJECT: FIXED CAPITAL OUTLAY (FCO) LEGISLATIVE BUDGET REQUEST, 2005-2006

PROPOSED BOARD ACTION:

ADOPT THE FOLLOWING RESOLUTION:

RESOLVED that the Florida International University Board of Trustees (the Board) approve the Florida International University 2005-2006 Fixed Capital Outlay (FCO) Legislative Budget Request consisting of the 5-year capital improvement plan (CIP) for Public Education Capital Outlay (PECO) projects, the Courtelis Facilities Enhancement Challenge Grant program list, the Appropriations Bill proposed language and the Capital Improvement Fee project list prepared pursuant to Sections 216.0158, 216.043 and 1013.64, Florida Statutes and attached to this Resolution as Exhibit "C", and

FURTHER RESOLVED that the Board delegate to the University President the authority to amend the proposed amounts and allocations to effectuate all actions approved by the Board in its approval of the 2005-2006 Fixed Capital Outlay Budget Request.

BACKGROUND INFORMATION:

STATUTORY AUTHORITY:

1013.64 F.S. (4)(a) Community college boards of trustees and university boards of trustees shall receive funds for projects based on a 3-year priority list, to be updated annually, which is submitted to the Legislature in the legislative budget request at least 90 days prior to the legislative session. The State Board of Education shall submit a 3-year priority list for community colleges and a 3-year priority list for universities. The lists shall reflect decisions by the State Board of Education concerning program priorities that implement the statewide plan for program growth and quality improvement in education. No remodeling or renovation project shall be included on the 3-year priority list unless the project has been recommended pursuant to s. [1013.31](#) or is for the purpose of correcting health and safety deficiencies. No new construction project shall be included on the first year of the 3-year priority list unless the educational specifications have been approved by the commissioner for a community college or university project, as applicable. The funds requested for a new construction project in the first year of the 3-year priority list

shall be in conformance with the scope of the project as defined in the educational specifications. Any new construction project requested in the first year of the 3-year priority list which is not funded by the Legislature shall be carried forward to be listed first in developing the updated 3-year priority list for the subsequent year's capital outlay budget. Should the order of the priority of the projects change from year to year, a justification for such change shall be included with the updated priority list.

SUMMARY:

Each University Board of Trustees is to approve the institution's legislative budget request prior to submittal. The due date for the informational requirements is August 2, 2004. The required information should be sent by each university's president to Dr. Debra Austin, Chancellor, Division of Colleges and Universities. Each university president's transmittal letter must indicate the date that the institution's Board of Trustees approved the university's fixed capital outlay request.

The **Capital Improvement Plan** (CIP) is intended to present the additional academic and academic support facilities needed for a five-year period. Accordingly, each college and university's CIP should not include such projects as student unions, parking garages, athletic facilities, and housing facilities which are normally funded from revenue bonds or allocations of Capital Improvement Fees. Each institution's CIP will be used to select projects for inclusion within the 2005-06/2007-08 Three-Year Public Education Capital Outlay (PECO) Project Priority List to prepare the Five-Year Capital Improvement Plan and to prepare the initial **2005-06 Courtelis Facilities Enhancement Challenge Grant Project List**.

Additionally, proposed language for the **2005-06 Appropriations Bill** concerning the following legislative approval actions must be submitted with the initial CIP request on August 2, 2004:

1. bonded projects
2. projects funded from institution sources which require general revenue for operation
3. projects to be financed and constructed by a DSO
4. necessary revisions to previous appropriations

Also, a **Capital Improvement Fee Trust Fund** (CITF) appropriation request for state university system institutions is planned for 2005-06. Funding will be requested for CITF projects as proposed by the universities. University allocations will be based upon projected institutional fee collections. Universities shall propose fixed capital outlay projects that are related to student activities and services on campus. Supplemental instructions for the submission of proposed CITF projects are attached.

In concert with the 2005-2006 State University System Fixed Capital Outlay Legislative Budget Development Guidelines approved by the Board of Governors the 2005-2006 **Legislative Budget Request** (LBR) shall meet the critical needs of the state. It shall be need-based and will provide flexibility for the Board of Governors (BOG) and universities' Boards of Trustees to jointly manage the System to achieve the statewide goals and objectives of the State University System (SUS) draft *Strategic Plan*, address specific

institutional concerns, and demonstrate accountability/ justification. The following goals and objectives of the draft SUS *Strategic Plan* will be addressed in the request:

1. Access to and production of degrees
2. Meeting statewide professional and workforce needs
3. Building world-class academic programs and research capacity
4. Meeting community needs and fulfilling unique institutional missions

Funding will be requested for institutional **PECO** projects in the following priority order:

1. Continuation of the projects funded by prior appropriations.
2. Utilities infrastructure/Capital Renewal/Roofs needs.
3. Renovation and remodeling projects to meet current space needs, structural/mechanical repairs, and technology upgrades.
4. Instructional, then research, followed by support space needs to include projects that will bring each university to the system average percentage of formula need.
5. Projects to provide specialized space for a newly approved academic program.
6. Special projects for land acquisition and matching external funds from non-private sources.
7. Requests to increase the amount of initial construction funding for an existing project.

Special consideration and emphasis will be given to proposed joint-use PECO projects. Proposed projects must be consistent with statutory requirements for educational plant survey recommendations and should reflect continuation of prior year project priorities. Priority consideration will be given to funding needs for current facilities. Recommended funding for additional facilities will be consistent with projected enrollment and quantitative measures used to assess the need for new space with an emphasis on instructional space first, and the consideration of new space requirements to meet unique program space requirements. The potential for facility sharing will be a consideration in the selection of projects for funding.

The State Board of Education has adopted guiding principles that emphasize a seamless K-20 system and maximization of access in an efficient manner. Applying these goals to facilities requires that an emphasis be placed on sharing of facilities as a strategy for avoidance of cost. To demonstrate performance and a resolve to achieve these goals, the instructions for the 2005-06 Capital Improvement Plan includes a requirement that the university identify achievement of facilities sharing and how additional facilities sharing is to be achieved in the future which will result in avoidance of facilities funding requirements. Such sharing is to consider facilities owned by another board, a local government, or a private entity.

EXHIBITS/SUPPORTING DOCUMENTS:

Exhibit “C”:

- Capital Improvement Plan (CIP-2) and Legislative Budget Request, 2005-06 through 2009-10
- Challenge Grant Request, 2005-06 through 2009-10
- Capital Improvement Fee Projects, 2005-2006/2006-2007
- 2005-2006 Fixed Capital Outlay Projects Legislative Budget Request (Direct Support Organizations)

FACILITATOR/PRESENTER:

- **CHAIRMAN HENRIQUES**

FLORIDA BOARD OF EDUCATION - DIVISION OF COLLEGES AND UNIVERSITIES
 Capital Improvement Plan (CIP-2) and Legislative Budget Request
 Period: 2005-2006 through 2009-10

DRAFT

The Florida International University Board of Trustees

8/2/2004

Priority Number	Project	2005-06	2006-07	2007-08	2008-09	2009-10	Total
1	FACILITIES INFRASTRUCTURE /CAPITAL RENEWAL, UW (PCE)	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$25,000,000
2	MOLECULAR BIOLOGY, UP (C)(CE)	\$8,418,634	\$2,912,000				\$11,330,634
3	SOCIAL SCIENCE (INTERNATIONAL STUDIES), UP (CE)(CE)	\$13,466,710	\$1,090,000				\$14,556,710
4	PUBLIC SAFETY BUILDING, UP (PCE)	\$2,168,542					\$2,168,542
5	SCIENCE/CLASSROOM COMPLEX - UP (PC)(C)(E)		\$18,578,880	\$15,384,000	\$1,120,000		\$35,082,880
6	GRADUATE CLASSROOM BUILDING- UP (PC)(C)(CE)		\$6,090,000	\$8,134,500	\$2,180,000		\$16,404,500
7	HEALTH-SCIENCE LABORATORY CLINIC, UP (P)(PCE)(E)			\$1,208,480	\$13,496,000	\$1,120,000	\$15,824,480
8	HUMANITIES CENTER/OFFICES, UP (PC)(C)(CE)			\$7,141,883	\$9,080,512	\$3,027,000	\$19,249,395
9	CLASSROOM/OFFICE, BBC (PC)(C)(CE)			\$1,312,789	\$8,777,600	\$6,090,000	\$16,180,389
10	INTERNATIONAL HURRICANE CENTER, UP (P)(PCE)				\$654,000	\$7,346,257	\$8,000,257
11	TRAINING COMPLEX, UP (PC)(C)				\$1,090,000	\$5,450,000	\$6,540,000
	SUB-TOTAL	\$29,053,886	\$33,670,880	\$38,181,652	\$41,398,112	\$28,033,257	\$170,337,787
12	CAPITAL ASSET MANAGEMENT SUPPLEMENT, UW	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$15,000,000
	TOTAL	\$32,053,886	\$36,670,880	\$41,181,652	\$44,398,112	\$31,033,257	\$185,337,787

FLORIDA BOARD OF EDUCATION - DIVISION OF COLLEGES AND UNIVERSITIES
 Capital Improvement Plan (CIP-2) and Legislative Budget Request
 Period: 2005-2006 through 2009-10

07/15/04

The Florida International University Board of Trustees

Priority Number	CHALLENGE GRANT Project	2005-06	2006-07	2007-08	2008-09	2009-10	Total
13	ART MUSEUM, UP BR 839 (C,E)	\$717,250					\$717,250
14	COLLEGE OF LAW BR 832, UP (C,E)	\$130,615					\$130,615
15	HOSPITALITY MANAGEMENT - DISTANCE LEARNING FACILITY BR 831 (P,C,E)	\$200,000					\$200,000
16	OFFICE/CLASSROOM (GRADUATE SCHOOL OF BUSINESS BR 856 (P,C,E)	\$1,290,540					\$1,290,540
TOTAL CHALLENGE GRANT REQUEST:		\$2,338,405	\$0	\$0	\$0	\$0	\$2,338,405

**FLORIDA BOARD OF EDUCATION - DIVISION OF
COLLEGES AND UNIVERSITIES**

Summary of Capital Improvement Fee Projects for 2005-2006/2006-2007
2005-2006 Fixed Capital Outlay (FCO) Legislative Budget Request

The Florida International University

August 2, 2004

Project Name	**Total Project Cost
Conference Center	\$6,750,000.00
Resident Dining Facility	\$3,050,000.00
Repayment of Auxiliary Trust Fund Loans advanced to other CIF projects	\$2,800,000.00
<i>**Project estimates require verification via building program statement and review by Facilities Planning. Significant fluctuations in construction cost are forecast for the immediate future. It is critical that planning / programming process take place prior to establishing fixed project budgets.</i>	
TOTAL	\$12,600,000.00

EXHIBIT "C"

FLORIDA BOARD OF EDUCATION - DIVISION OF COLLEGES AND UNIVERSITIES

Florida International University Board of Trustees

2005-2006 Fixed Capital Outlay Projects Requiring Legislative Approval
and GENERAL REVENUE Funds to Operate and Maintain

August 2, 2004

Univ	Project Title	GSF	Brief Description of Project (Include Program/Function to Occupy the facility)	Project Location	Project Amount	Funding Source	Est. Annual Amount for Oper. & Maintenance Cost Amount	Amount Source	Renewal of Legislative Approval (Yes/No)
FIU	EC Classroom Expansion	84,000	Expansion of facility by enclosing ground floor (covered parking) below the building. This new space is to be used for classrooms and support facilities. The university's classroom inventory will benefit by reducing the classroom inventory deficit.	CEAS	\$13,000,000	Contract & Grant	\$440,160	General Revenue	Yes
FIU	Artist Studio	2,800	New building to replace 20 year old modular building which is currently in a state of disrepair.	UP	\$340,000	E & G	\$14,700	General Revenue	No

EXHIBIT "C"

FLORIDA BOARD OF EDUCATION - DIVISION OF COLLEGES AND UNIVERSITIES

Florida International University Board of Trustees

2005-2006 Fixed Capital Outlay Projects Requiring Legislative Approval
to SELL BONDS but will not require General Revenue Funds to Operate and Maintain

August 2, 2004

Univ	Project Title	GSF	Brief Description of Project (Example: 500 bed student apartment facility or 1,200 space parking facility)	Project Location	Project Amount	Funding Source	Est. Annual Amount for Oper. & Maintenance Cost Amount	Source	Renewal of Legislative Approval (Yes/No)
FIU	Lakeview Housing	244,000	Accommodates 850 beds and dining facility.	University Park	\$35,000,000	Revenue Bonds	\$1,740,000	(b) Auxiliary	Yes
FIU	Parking Garage Five	512,828	Parking garage for 1,400 cars with four lane access road. Includes 6,000 GSF of administrative office and support space.	University Park	\$12,214,376	Revenue Bonds	\$275,000	(a) Auxiliary	Yes
FIU	Parking Garage Six	1,098,917	Parking garage for 3,000 cars with four lane access road. Includes 6,000 GSF of administrative office and support space.	University Park	\$32,000,000	Revenue Bonds	\$800,000	(a) Auxiliary	Yes

(a) Annual operating and maintenance cost based on \$175 per year per car plus \$5/GSF per year for support space.

(b) Annual operating and maintenance cost based on approximately \$7.12/GSF apartment style residential facilities.

EXHIBIT "C"

Page 6 of 7

FLORIDA BOARD OF EDUCATION - DIVISION OF COLLEGES AND UNIVERSITIES

The Florida International University Board of Trustees

2005-2006 Fixed Capital Outlay Projects Requiring Legislative Approval
to be constructed by DIRECT SUPPORT ORGANIZATIONS

August 2, 2004

Univ	Project Title	GSF	Brief Description of Project (Example: Office/lab building to be leased by university)	Project Location	Project Amount	Funding Source	Est. Annual Amount for Oper. & Maintenance Cost Amount	Source	Renewal of Legislative Approval (Yes/No)
FIU	FIU Community Stadium Renovation & Expansion	30000 seats	Replace existing seating and track with 30,000 new seats	UP	\$20,000,000	Foundation	\$100,000	Auxiliary	No
FIU	General Office Building	110,000	Office space to be subleased to the university or other agency	UP	\$19,800,000	Foundation	\$577,500	Auxiliary	No

EXHIBIT "C"**FLORIDA BOARD OF EDUCATION - DIVISION OF COLLEGES AND UNIVERSITIES****Florida International University Board of Trustees**

2005-2006 Project Schedule Information for Proposed Bond Issues

August 2, 2004

PROJECT DATES							
Univ	Project Title	Submission to BOT of Building Program/Fiscal Feasibility Analysis (a)	BOT Action (a)	Begin Design Phase (b)	Issuance of Revenue Bonds (c)	Completion of Construction Drawings for Bid or GMP Contract	Occupancy of Facility (b)
FIU	Lakeview Housing	11/1/2003	1/1/2004	3/1/2004	12/1/2004	12/1/2004	8/1/2006
FIU	Parking Garage Five	6/1/2004	8/30/2004	10/30/2004	10/30/2005	7/30/2005	1/31/2007
FIU	Parking Garage Six	6/1/2004	8/30/2004	10/30/2004	10/30/2005	7/30/2005	1/31/2007

NOTES:

- (a) Time allowance = 90 days from receipt to BOT action.
- (b) Time allowance for design and construction should be based on historical experiences for similar projects.
- (c) Time allowance = 6 to 9 months from BOT approval of fiscal feasibility.

**THE FLORIDA INTERNATIONAL UNIVERSITY
BOARD OF TRUSTEES
BOARD MEETING**

**26 JULY 2004
CONFERENCE CALL**

SUBJECT: 2000-2010 CAMPUS MASTER PLAN UPDATE

PROPOSED BOARD ACTION:

ADOPT THE FOLLOWING RESOLUTION:

RESOLVED that the Florida International University Board of Trustees adopt the Florida International University 2000-2010 Campus Master Plan Update, State Project No. BR-813 prepared in accordance with requirements of 1013.30, Florida Statutes and includes a Supporting Inventory and Analysis technical document dated March 2003 and a general policy document dated October 2003 and attached to this Resolution as Exhibit "D".

BACKGROUND INFORMATION:

STATUTORY AUTHORITY:

1013.30 (1), F.S.- Each university board of trustees shall prepare and adopt a campus master plan for the university. The master plan must identify general land uses and address the need for and plans for provision of roads, parking, public transportation, solid waste, drainage, sewer, potable water, and recreation and open space during the coming 10 to 20 years. The plans must contain elements relating to future land use, intergovernmental coordination, capital improvements, recreation and open space, general infrastructure, housing, and conservation. Each element must address compatibility with the surrounding community. The master plan must identify specific land uses, location of structures, densities and intensities of use, and contain standards for onsite development, site design, environmental management, and the preservation of historic and archaeological resources. The transportation element must address reasonable transportation demand management techniques to minimize offsite impacts where possible. Data and analyses on which the elements are based must include, at a minimum: the

characteristics of vacant lands; projected impacts of development on onsite and offsite infrastructure, public services, and natural resources; student enrollment projections; student housing needs; and the need for academic and support facilities. Master plans must be updated at least every 5 years.

EXHIBITS/SUPPORTING DOCUMENTS:

- EXHIBIT “D”: 2000-2010 CAMPUS MASTER PLAN UPDATE, EXECUTIVE SUMMARY

FACILITATOR/PRESENTER:

- CHAIRMAN HENRIQUES

EXHIBIT "D"

FLORIDA INTERNATIONAL UNIVERSITY

2000-2010 Campus Master Plan Update State Project No. BR-813

EXECUTIVE SUMMARY

**Prepared by
Reynolds, Smith and Hills, Inc.
10748 Deerwood Park Boulevard South
Jacksonville, Florida 32256
(904) 256-2500**

**RS&H Project No.
601-0748-000**

JULY 2004

EXHIBIT "D"

FLORIDA INTERNATIONAL UNIVERSITY 2000-2010 MASTER PLAN UPDATE

♦ EXECUTIVE SUMMARY

INTRODUCTION

The two principal campuses of Florida International University (FIU) lie within Miami-Dade County. The largest campus, University Park, occupies approximately 342 acres at the southeast quadrant of the intersection of the Homestead Extension of the Florida Turnpike (SR 821) and Tamiami Trail (US 41) in west central Miami-Dade County. Biscayne Bay Campus occupies approximately 195 acres on Biscayne Bay within the City of North Miami in northeast Miami-Dade County. An additional campus site, Engineering Center, is located north of University Park at the northeast intersection of SW 107th Avenue and West Flagler Street.

This Master Plan Update provides growth opportunities for FIU for the next ten-year planning period (2000-2010). The 2000-2010 Master Plan Update is based on the following principles.

- Correct all existing program, facility, service and operational deficiencies by the end of the planning period. These deficiencies have been identified in various studies by the University as part of its continuing self-appraisal process conducted under the leadership of the Florida Board of Education, Division of Colleges and Universities.
- Anticipate and reasonably plan for programs, facilities, services and infrastructure required to meet the needs of a growing student population over the next ten (10) years in an increasingly urbanizing area of its host community.
- Continue with a plan for the development of the University. This will be accomplished by organizing future growth with land use zones, each of which serve separate but integral roles in creating a successful, enriching learning environment for FIU students, faculty and the general populace.

Since the Executive Summary presented herein is based on enrollment and data collected for the fall semester preceding the initiation of the Master Plan Update in January of 2000, this summary report does not reflect the most current FIU statistics. The following narrative summarizes each of the eighteen elements mandated by the State University System.



EXHIBIT "D"

1.0 ACADEMIC MISSION OF THE UNIVERSITY ELEMENT

Florida International University has been a part of the Florida Board of Education, Division of Colleges and Universities since 1965, hiring its founding staff members in September 1969. In 1972, FIU opened the doors for 6,000 students enrolled in upper division undergraduate and graduate. Nine years later, in 1981, lower division classes for freshmen and sophomore level students were added to the University. Soon after this, doctoral level degree programs were added.



FIU's most recent mission statement reads as follows;

"Florida International University (FIU) is an urban, multi campus, research university serving Southeast Florida, the state, the nation and the international community by imparting knowledge through excellent undergraduate and graduate teaching, by creating new knowledge through research, and by promoting public service.

Five strategic themes guide the University's development: International, Environmental, Urban, Health and Transportation and Information Systems. We focus on these themes with a commitment to quality management and cultural diversity.

The University's priorities are to graduate a well educated, technologically sophisticated, ethnically diverse student body, who can think critically about a changing world; to continue to enhance undergraduate teaching while broadening graduate and professional programs; to promote research and creative activities which contribute to the social, artistic, cultural, economic, environmental, scientific and technological foundations for the 21st century; and to solve critical social, educational, environmental, health and transportation problems through applied research and service.

These strategic themes and priorities guide our pursuit of recognition as one of America's top 25 public urban research universities while maintaining the highest quality of undergraduate programs."

EXHIBIT "D"

2.0 ACADEMIC PROGRAM ELEMENT

Table 2.1 indicates the total student enrollment headcount for the Fall of 1999. The majority of these students take classes at University Park, though a large percentage of students take classes at more than one campus due to the availability of course offerings. Table 2.2 indicates the current enrollment in each college or schools for the Fall of 1999.

Table 2.1 Headcount Enrollment (Fall 1999)

	UNDERGRADUATE	GRADUATE	SPECIAL	TOTAL
University Wide	22,561	4,044	4,669	31,274 (1)
University Park (including TEC)	19,097	3,087	3,190	25,374
Biscayne Bay Campus	5,750	871	1,046	7,667
Brow. Campuses	313	351	203	867
Other Units (2)	435	225	560	1220

Table 2.2 Majors for Colleges on Campus (Fall 1999)

	BACCALAUREATE	MASTERS	SPECIALIST	DOCTORAL	TOTAL
College of Arts & Sciences	48	30	0	12	90
College of Bus. Admin.	19	12	0	8	39
College of Education	35	45	2	22	104
College of Engineering	9	11	0	3	23
College of Health and Urban Affairs	14	16	0	3	33
School of Architecture	2	2	0	0	4
School of Hospitality Mgmt.	2	1	0	0	3
School of Journalism	6	8	0	0	14

Table 2.3 indicates the projected Full Time Equivalent (FTE) student enrollment for the ten-year planning period.

Table 2.3 Projections for Future Student FTE Enrollment

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2009-10
UNIVERSITY PARK							
Undergraduate	12,084	12,570	13,056	13,579	14,226	14,226	19,383
Graduate/Law	2,072	2,190	2,447	2,710	3,004	3,246	4,255
BISCAYNE BAY CAMPUS							
Undergraduate	2,940	2,959	2,986	3,021	3,045	3,075	4,085
Graduate	484	484	484	484	484	484	643
BROWARD CAMPUSES							
Undergraduate	424	416	420	424	428	432	667
Graduate	295	288	295	303	311	320	515
TOTAL	17,900	18,999	19,907	20,521	21,498	22,330	29,548

EXHIBIT "D"

The information in Table 2.4 is available for total headcount enrollment projections for a six-year planning period. Table 2.5 indicates the proposed academic programs anticipated for the 2000-2010 planning period.

Table 2.4 Anticipated Student Headcount Based on FTE Projections

	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2010
UNIVERSITY PARK	27,000	27,000	28,000	29,000	30,000	33,000
BISCAYNE BAY CAMPUS	9,000	9,000	9,000	10,000	10,000	10,000
BROWARD CAMPUSES	1,000	1,000	1,000	1,000	1,000	1,000
OTHER (1)	1,000	1,000	1,000	1,000	1,000	1,000
TOTAL	38,000	38,000	39,000	41,000	42,000	45,000

(1) Includes Advising Center, Affiliated, Certified Programs, National Student Exchange and University College.

Table 2.5 Proposed Academic Programs

PROGRAM	DEGREE	PROGRAM	DEGREE
Information Technology (added 5/17/00)	BS	Museum Studies	MA
Early Childhood Education	BS	Performing Arts Production	MA
Software Systems Engineering	BS	Interior Design	MS
Environmental Engineering	BS	Theater	MFA
Construction Engineering	BS	Industrial and Systems Engineering	PhD
Marine Biology	BS	Environmental Studies	PhD
Meteorology/Atmospheric Sciences	BA	Engineering	D.E.
Landscape Architecture	BS	Music	DMA
Physician Assistant	MS	MIDCOURSE MODIFICATION RECOMMENDATIONS	
Materials Science and Engineering	MS	Computer Programming Technology	BS
Chemical Engineering	MS	General Business	BBA
Industrial and Systems Engineering	MS	Travel and Tourism Management	BS
Humanities	MA	Tourism Studies	MS
Philosophy	MA	Telecommunications	MS
French	MA	Higher Education Administration	M
Liberal Studies	MA		

Source: FIU Planning and Institutional Effectiveness 2000

EXHIBIT "D"

3.0 URBAN DESIGN ELEMENT

UNIVERSITY PARK

From an urban design perspective, University Park has been well planned and implemented. There are three design precepts that form the basis of campus spatial organization that have directly affected the character of open spaces, and activity patterns. Traditionally, the guiding principles for urban design at University Park are axial planning, the development of quadrangles and courtyards, and continuity of design associations.



The continuity of design associations is an important unifying element for campus development at University Park. A consistency in form, pattern, materials, texture, and color connects individual architectural and landscape architectural elements to form an overall fabric.

The traditional campus desire of arranging buildings in a manner to create quads and courtyards on campus recognizes that exterior spaces are often as important to the well-being, learning and enjoyment of its users as academic endeavors. Quadrangles

are primarily enclosed areas defined by the buildings that surround them. They serve to focus attention on the major facades, impel movement toward entrances and serve as a foreground for buildings. Through thoughtful planning, "quads" offer opportunities for social interaction and extra curricular activities.

Established themes on campus such as arched colonnades, sandstone finishes with tan, cream and pastel coral finishes, architectural accents of keystone coral, consistent site furnishings and lighting, and repetition of landscape patterns all contribute to the overall integrity of the campus.



Another prominent design feature that accentuates the importance of outdoor spaces at University Park is its building courtyards. Building concepts are often organized around courtyards, and the courtyards express the personality of the facilities. A recent outstanding addition to the University's courtyards is contained in the Campus Support Complex. It is a simple yet elegant design that features a colonnade, sculpture and fountain.

EXHIBIT "D"

Engineering Center (EC)

EC functions as part of University Park and is included in the curriculum of the campus. The location of its existing academic building will be incorporated into future development of arranging new buildings in a manner to create quads and courtyards consistent with other at University Park.



BISCAYNE BAY CAMPUS

A distinctive feature of Biscayne Bay Campus is that it is bounded on three sides by undeveloped land. Biscayne Bay borders the remainder of campus edges. These campus perimeters provide the campus with a uniquely isolated setting even though it is located in an area that is otherwise fully developed, making it an untraditional campus. This location presents extraordinary opportunities to establish itself as a remarkable campus that will draw faculty and students.

Previous campus planning has not implemented proven campus planning principles; creating a strong, campus central core, defining quality outdoor spaces, developing a sense of community and offering site amenities.

In addition to ineffectual spatial arrangements, the campus also needs to improve its pedestrian linkages and develop strong axes to serve as a framework for campus organization. Historically, the campus has an internal orientation and has failed to take advantage of views to Biscayne Bay. Bay views should not be visually accessible and care should be taken to ensure that the siting of new buildings creates vistas of the bay. A view corridor could be established from the campus entrance to the bay utilizing proper vehicular and pedestrian circulation.



Biscayne Bay Campus is lacking in exemplary exterior spaces for relaxation and social interaction. The campus quads adjacent to The Library and Wolfe University Center are the primary hubs of activity on campus. Expansive plazas associated with Academic One and Academic Two need substantial site amenities and landscape enhancements to ensure additional quality exterior spaces.

EXHIBIT "D"

4.0 LAND USE ELEMENT

The Land Use Element represents existing and proposed development patterns within the campus boundaries to be coordinated and not conflict with the adjacent areas planned by the City of Miami, Sweetwater and North Miami.

UNIVERSITY PARK

There are some opportunities to consider the redevelopment of existing parking and open space uses for future campus development as part of an overall densification of the campus. Proposed parking structures are being located to the perimeter of campus and new facilities are being placed where appropriate to accommodate new and expanded academic programs. There is sufficient available land to accommodate projected expansion at University Park by creating a compact development pattern and increasing building heights. Sensitive placement of new facilities will occur to preserve and, in most cases, enhance plazas, building adjacencies and pedestrian linkages. Enhancements to the pedestrian axial corridors will strengthen the cohesive design throughout campus and integrate each of the academic core areas.



ENGINEERING CENTER

Many areas of this site are vacant and undeveloped thus giving multiple opportunities for future site expansion. The incorporation of recreation fields and open space at the Engineering Center will accommodate the needs of University Park for these land uses since future academic and support facility expansion at that campus will reduce this type of land use.

BISCAYNE BAY CAMPUS

There are multiple opportunities expansion at this campus. Future campus expansion will focus on creating a link between the campus core and Kovens Center with planned housing and the Marine Biology Building. There is substantial vacant land available for campus expansion beyond this planning period for future projected campus enrollment.



EXHIBIT "D"

5.0 ACADEMIC FACILITIES ELEMENT

The projected growth of students at FIU and the relative academic building deficiencies that already exist, mandate that space needs be addressed by the addition of new facilities and not the renovation of existing facilities. The following academic facilities have been planned for FIU for the 2000-2010 planning period.

UNIVERSITY PARK

- Health and Life Sciences
- Graduate School of Business
- College of Law
- Social Sciences
- Molecular Biology
- Classroom/Office (EC)
- Arts Complex – Phase II
- Computer Services
- Classroom/Office, UP

Table 5.1 Projected Future Net and Gross Academic Space Needs – UNIVERSITY PARK

UNIVERSITY PARK	2005		2010	
	NET SF	GROSS SF	NET SF	GROSS SF
Classroom	130,269	366,022	186,585	456,126
Teaching Laboratory	88,280	453,430	158,043	565,052
Research Laboratory	41,654	316,248	89,557	394,099
Library	172,830	537,499	255,523	669,818

BISCAYNE BAY CAMPUS

The following academic facilities have been planned for Biscayne Bay Campus for the 2000-2010 planning period.

- Marine Biology Classroom
- Hospitality Management (Equipment/Remodeling)

Table 5.2 Projected Future Net and Gross Academic Space Needs – BISCAYNE BAY CAMPUS

BISCAYNE BAY CAMPUS	2005		2010	
	NET SF	GROSS SF	NET SF	GROSS SF
Classroom	26,054	73,204	37,317	91,225
Teaching Laboratory	17,656	90,686	31,609	113,010
Research Laboratory	8,331	63,250	17,911	78,812
Library	34,566	107,500	51,106	133,964

EXHIBIT "D"

6.0 SUPPORT FACILITIES ELEMENT

For planning purposes, four traditional support facility categories are recognized by the Florida Board of Education, Division of Colleges and Universities and include the following: 1) Office; 2) Student Services; 3) Support Services; and 4) Auditorium.

Table 6.1, identifies the four (4) support space categories listed above along with their anticipated space needs resulting from projected growth over the course of the ten (10)-year planning period. The program improvements needed to maintain, and in certain cases, improve upon existing conditions are included in this table and lend further support to these facility needs in cases where new academic programs at FIU are introduced and maintained.

Table 6.1 Projection of Future Support Facility Gross Building Area Needs

UNIVERSITY PARK	GROSS BUILDING AREA NEEDS
Administrative Offices	966,092
Physical Plant	N/A
General Auxiliary	131,033
Student Support Services	11,105
BISCAYNE BAY CAMPUS	
Administrative Offices	199,508
Physical Plant	N/A
General Auxiliary	27,060
Student Support Services	2,293

Source: FIU, 2000

The projected growth of students at FIU and the relative support building deficiencies that already exist, mandate that space needs be addressed by the addition of new facilities and the renovation of existing facilities. Table 6.2 indicates support facilities planned for the 2000-2010 planning period.

Table 6.2 Planned Support Facilities

UNIVERSITY PARK		BISCAYNE BAY CAMPUS
Graham Center Renovation	Parking Garage Three	Kovens Center Enhance. – Phase I
Student Health Services Center	Parking Garage Four	Recreation
Stadium Expansion	Graham Center Exp – Phase II	Parking Lot Reconfiguration
Frost Museum	Lakeview Housing- Ph, II	Future Development
International Hurricane Center	Undergraduate Housing/ Greek Housing III	
Training Complex	Greek Housing IV	
Public Safety Building	Greek Housing V	
Recreation Center – Phase I	Parking Garage Five	
Lakeview Housing- Phase I	Parking Garage Six	
Greek Housing II	Recreation Center – Phase II	

EXHIBIT "D"

EXHIBIT "D"

7.0 HOUSING ELEMENT

The University's current policy is to provide housing for at least 20 percent of its student body as projected by FIU's President. As of the Fall of 2000, only eleven (11) percent and one thousand five hundred (1,500) FTE students were housed in on-campus residences. The 20 percent goal would equate to two thousand seven hundred and thirty-eight (2,738) beds for the current FTE enrollment. This goal is considered according to University Park housing personnel as aggressive but achievable.

The University does not anticipate the need for any more traditional dormitory rooms. Current and projected trends for student housing in general call for more attention to privacy while still maintaining some degree of sharing (socialization) among students. At this time, the University anticipates a future need for suite and apartment-style residences only. Future trends in student housing may change these anticipated needs and should be weighed accordingly in future decisions regarding the construction of housing residences at FIU.

Table 7.1 Existing Bed Distribution by Campus – Fall 1999

Number of existing beds for:	UNIVERSITY PARK	BISCAYNE BAY CAMPUS
Undergraduate Students	1,383	211
Graduate Students (1)	63	26
Married Students	0	0
Fraternities / Sororities	0	0
Housing Staff	41	16
Handicap Accessible	13	41
Total Beds (3)	1,500	294

Table 7.2 Projected On-Campus Housing and Land Need – University Park

UNIVERSITY PARK	FTE	Projected Needed Beds	Projected Inventory (beds)	Deficit (beds)	Land Required (acres)
1999-2000	13,689	2,738	1,500	(1,238)	21.6
2004-2005	16,289	3,258	1,888	(1,370)	23.9
2009-2010	23,638 ⁽⁶⁾	4,728	1,888	(2,840)	49.6

Table 7.3 Projected On-Campus Housing and Land Need – Biscayne Bay Campus

BISCAYNE BAY CAMPUS	FTE	Projected Needed Beds	Projected Inventory (beds)	Deficit (beds)	Land Required (acres)
1999-2000	3,668	734	294	(440)	7.7
2004-2005	3,529	706	294	(440)	7.2
2009-2010	4,728 ⁽⁵⁾	946	294	(652)	11.4

EXHIBIT "D"

8.0 RECREATION AND OPEN SPACE ELEMENT

As student enrollment increases, not only is there an increased demand to ensure adequate housing but to provide enough recreation fields and open space. Whether for intercollegiate or intramural activities, students need these amenities to remain connected to the University. Due to the increased pressure at University Park to use its available land for academic facilities, recreational activities are limited to the western edge of campus, which is experiencing yet further constraints due to the construction of additional support facilities. This has forced the University to limit its long-range growth in on-campus recreation and look for off-campus joint use facilities. Negotiations with Miami-Dade County for possible purchase or control of management of Tamiami Park should remain as a constant tool to use for additional recreational facilities.

Due to the developable lands to the north and east of the academic facility at Engineering Center, these areas could be utilized as overflow recreational facilities and fields to support those displaced by new construction at University Park. Biscayne Bay Campus, unlike University Park, has an abundance of land availability to accommodate a growing student population and athletic programs to support the existing facilities. As additional housing is completed, the need for more recreational fields and facilities will be adequately provided for.

Table 8.1 University-owned Recreation Facilities – UNIVERSITY PARK

University Park	No. of Facilities	Biscayne Bay Campus	No. of Facilities
Tennis Courts	12	Swimming Pool	1
Racquetball Courts	8	Tennis Courts	6
Multipurpose Fields	2	Multipurpose Fields	3
Baseball Fields	1	Basketball Courts	1
Baseball Stadium	1	Fitness Center	1
Football Stadium	1		
Soccer Stadium	1		
Basketball Courts	2		
Swimming Pools	1		
Fitness Center	1		

Short Term Needs (2000-2005)

1. Student Recreation Center – Phase I
2. Additional recreational fields

Long Term Needs (2006-2010)

1. Student Recreation Center - Phase II
2. Upgraded Student Fitness Center
3. Additional tennis courts
4. Gymnasium
5. General recreational facilities



EXHIBIT "D"

9.0 GENERAL INFRASTRUCTURE ELEMENT

The purpose of this element is to ensure adequate provision of public facilities and services required to meet the future needs of the University.

STORMWATER MANAGEMENT: The capacities of the existing swale, exfiltration trench and lake system for University Park, Engineering Center and Biscayne Bay Campus are sufficient for present development, however, all water bodies should eventually be interconnected whenever possible to eliminate isolated subbasins and minimize the possibility of one subbasin being overburdened and another underutilized. Once these subbasins are connected, some compensation on runoff exceedances can be distributed.

With an increase in projected enrollment projected within the ten-year planning period, future campus development will require additional or increased exfiltration trench and/or lake outfall systems. The completion of a master drainage plan is recommended based on proposed development. Implementation should be ahead of development to ensure appropriate flood control. Any new development must meet all of Miami-Dade County's drainage requirements to obtain surface water permits. The impact on flood protection by the removal of open space will be minimized by the implementation of a master drainage plan. Best Management Practices (BMP) should be incorporated into the drainage infrastructure design to minimize the impacts to ground and surface water quality.

POTABLE WATER: The water main distribution system for University Park connects to a 30" and 36" water mains located on SW 8th Street and SW 117th Avenue. These water mains are owned and maintained by Miami-Dade County Water and Sewer Department (WASD). The water distribution system for the Engineering Center connects to a 30" water main located on SW 107th Avenue and is also owned and maintained by WASD. The water main distribution system for Biscayne Bay Campus connects to 16" and 30" water mains located on NW 151st Street and NW 135th Street. These primary transmission water mains are owned and maintained by the City of North Miami.

With the projected student enrollment increase in the ten-year planning period, University Park's onsite primary distribution system will need expansion for future development and missing links provided to provide a "looped" system. New secondary systems and elimination of dead end systems will be required. Biscayne Bay Campus's onsite primary distribution system is sufficient for future development; however, new secondary systems will be required. Also, some existing secondary systems are presently deadend and need to become a "looped" system.

SANITARY SEWER: University Park sanitary sewer system consists of gravity sewer lines, a series of sanitary lift stations, and two tie in connection points located at SW 8th Street and SW 117th Avenue. These two force mains are owned and maintained by WASD. Sewage treatment occurs at an offsite County facility. Biscayne Bay Campus sanitary sewer system consists of gravity sewer lines and a master pump station. The City of North Miami is contracted with WASD to provide treatment and disposal for this campus. Currently, the physical condition of all FIU sanitary sewer systems is good. Coordination between FIU, Miami-Dade County and the City of North Miami is critical in order to maintain adequate sewer collection, wastewater treatment and disposal.

SOLID WASTE: Solid Waste collection and disposal is accomplished at FIU through a combination of utilizing University staff, private contractors and public entities. A recycling policy is in place to reduce the solid waste volume and transport the material to local recycling centers.

EXHIBIT "D"

10.0 UTILITIES ELEMENT

HOT AND CHILLED WATER: As recommended within the 2000-2010 Master Plan Update, an Existing Utility/Infrastructure Survey has been completed for University Park. The location of all infrastructure and utilities corridors was critical when placing need facilities and for the relocation of those lines in conflict with facility expansion. With the completion of the Phase II Central Plant Expansion at University Park the transport capacity is adequate for all facilities, with one pump redundant for standby. Beyond that no new major facilities should be added to the campus without serious considerations of expanding the existing central chilled water plant and distribution system, which could be interconnected to the existing facilities. At Biscayne Bay Campus, the Chiller Plant has approximately a 56% redundancy in capacity and a multiple distribution of chillers to provide safe operation.

ELECTRICAL POWER AND OTHER FUELS: The current electrical distribution system is adequate for the existing and short-term program improvements for University Park, Engineering Center and Biscayne Bay Campus. The threat of blackouts is minimized by incoming electrical power feeds from substations. Florida Power and Light provides services to FIU. Most of the electrical power distribution is underground and is the responsibility of FIU to operate and maintain. Future electrical power improvement projects will be limited to distribution extensions as necessary to meet future growth and repair/replacement activities.

TELECOMMUNICATIONS: University Park and Engineering Center voice communications system is serviced by the Bell South "ESSX" service. The cable plant, which provides the voice communications throughout the campus, is owned and maintained by Bell South, which provides it as part of the ESSX service rate. The voice communications system at Biscayne Bay Campus is served from a "Rolm CBX 9000" system. This cable plant, located at the Academic Two building, is owned, operated, maintained and managed by the University. The data communications system at University Park and Biscayne Bay Campus are comprised of two networks: the FIUnet and the Administration Network. The data communications system at the Engineering Center is comprised of two networks: FIUnet and EICnet. The operation, maintenance and management of these fiber networks are the responsibility of the University. Telecommunication extensions for planned building expansions will follow the established path of transmitting via fiber optic cables and distributing to end users via a copper based twisted pair network

EXHIBIT "D"

11.0 TRANSPORTATION ELEMENT

FIU has experienced remarkable growth in student population and facility expansion within the past decade. This growth in the number of students has been accompanied, through necessity, by an increase in the numbers of faculty, staff and support personnel. With these increases come a proportionate increase in the demands placed on the transportation network, internal and external to the FIU campuses.

External Roadway Network: A framework of principal and minor arterials surrounds the FIU campuses. The roadways in the context area for University Park are function as follows: Tamiami Trail (SW 8th Street) and SW 107th Avenue are classified as state principal arterials. The Homestead Extension of Florida's Turnpike (HEFT) is classified as a limited-access freeway. SW 107th Avenue and West Flagler Street are classified as state principal arterials within the context area of the Engineering Center. For Biscayne Bay Campus, the only major roadway in the context area is US 1 (Biscayne Boulevard), which is a state principal arterial.



Internal Roadway Network: The two-lane section of the internal campus roadway at University Park should be widened to provide left turn lanes into the existing as well as future parking facilities to avoid delays and queuing due to left turn movements. This improvement would make the campus loop road consistent throughout campus. At Biscayne Bay Campus, Bay Vista Boulevard could be widened to four lanes, approaching the proposed elementary school with turn lanes provided at the school entrances. In addition, school flashes, reduced speed limits signs, and advanced warning and regulatory signage should be provided on Bay Vista Boulevard.

Future Parking Requirements:

University Park: If parking reduction strategies are not implemented, a total of 9,043 parking spaces will be required for all uses (students, faculty/staff, executive, administrators, disabled, visitors, loading). There will be approximately 1,000 surface parking spaces lost when the Graduate School of Business will be constructed. This will lower the number of existing parking spaces from 7,635 to 6,635; an additional 2,408 parking spaces will be required to satisfy the projected demand. Three (3)-parking decks are planned in the next five years for this campus. Parking Garage 3 will be six-level 1,200-space structure located north of the Golden Panther Area. The amount of land necessary to accommodate this structure will be approximately 13 acres. Parking Garage 4 is planned as a six-level 1,400 space structures Conservatory (WC) building. This location was selected for two primary reasons: (1) vehicular traffic could enter the building from SW 8th street, thus reducing the number of vehicles on campus roads (there will be a new access on SW 8th Street at SW 109th Avenue.); (2) the garage would provide additional parking to support the proposed development in the Northeast corner. Parking Garage 5 is a twin of parking garage 4. The proposed garage would be six level structure 1,400 spaces.

EXHIBIT "D"

Biscayne Bay Campus: A total of 2,448 parking spaces will be required for all uses (students, faculty/staff, executive, administrators, disabled, visitors, loading) by the end of this planning period. Existing parking is 2,522; therefore, there will be no need to increase parking at this campus.



Pedestrian and Non-Vehicular Circulation: FIU will provide safe pedestrian walkways from the perimeter of campus by creating identifiable crosswalks, to be covered whenever feasible, at strategic locations from the parking garages and surface lots into the campus core. Vistas, pedestrian corridors and adequate lighting will be maintained and created throughout each campus, making way-finding easier and more efficient for all users.

EXHIBIT "D"

12.0 INTERGOVERNMENTAL COORDINATION ELEMENT

In the traditional master planning process, the principle institution focuses primarily on itself as it charts a course for growth into the future. The comprehensive planning process, by contrast, is reflective of and responsive to the interaction between the principle institution and vital elements of the surrounding community and concerned jurisdictions and governmental agencies. The most important factors in successful comprehensive planning are cooperation, consideration, and coordination.

These basic principles of comprehensive planning are evident throughout this Comprehensive Master Plan:

Cooperation: The Comprehensive Master Plan recognizes the importance of the existing regulatory structure at the local, state and federal levels of government. Throughout the Comprehensive Master Plan, FIU states its intention to cooperate with the permitting, concurrency and other applicable code requirements of overseeing regulatory agencies and departments of local and state government.

The University has dedicated itself to being a responsive and responsible member of both the Miami-Dade County business and educational communities. The Academic Program at the University, the development of new areas of study and the creation of work-based learning opportunities for area businesses all rely on cooperation and communication between the University and the Miami-Dade County business and economic development agencies. Continuation of this highly successful relationship has been structured into relevant elements of the University's Master Plan.

Consideration: FIU recognizes that it is a large development within the community. Consequently, projects at the University have the potential to affect development patterns and surrounding land uses. Similarly, developments around the University have the potential to enhance or detract from the University's unique academic environment. These efforts are supported through the Intergovernmental Coordination Element.

Coordination: The goal of intergovernmental coordination is the joint process for collaborative planning, decision making, and development review by governmental agencies. The University Master Plan Update identifies issues, which because of their unique circumstances, require intergovernmental coordination above and beyond that which routinely occur in the day-to-day university operations. Resolution of these issues require mechanisms and procedures which facilitate coordination and communication between the University, local government and service providers. In addition, this element establishes procedures for the review of this master plan by local, county and state government and the service providers. When the provisions in the campus master plan conflicts with the provisions in the comprehensive plan of the local government, these intergovernmental coordination mechanisms will be used to resolve the conflicts while working toward achievement of the goals, objectives and policies.

EXHIBIT "D"

13.0 CONSERVATION ELEMENT

In order to appropriately manage native vegetative communities and wildlife habitats, campus expansion must be in accordance with local, state and federal regulations and when practicable, conform with various agency guidelines and policies. Development and landscaping efforts will be in accordance with the following;

- Utilize native vegetation wherever feasible.
- Avoidance or minimization of wetland impacts and the establishment of upland buffers adjacent to wetlands will be implemented where feasible. Unavoidable wetland impacts will be mitigated.
- The undeveloped upland habitat will be left in its natural state when possible.
- Adverse impacts to protected wildlife species will be mitigated in accordance with local, state and federal guidelines.

Natural resources occur at University Park, Engineering Center and Biscayne Bay Campus of Florida International University. Many of these resources are protected and will remain so throughout future development. There are parcels, however, which need to be assessed as to its viability for native species and vegetation as well as for its suitability for protection versus development. Therefore, a principal challenge of the master planning process is to allow sensitively planned development of these campuses while protecting and enhancing natural resources.



To minimize adverse impacts to local air quality and maintain existing good air quality conditions, FIU will manage its stationary sources of air discharges through an organized preventative maintenance and inspection program. Points of discharges such as boilers and laboratory flues will be inspected regularly to ensure their operations are within applicable regulatory standards.



Implementation of preventative maintenance of stationary sources will reduce the probability of unexpected releases of air pollutants as well as establish a reliable management tool.

Where possible, less hazardous materials will be substituted for more hazardous materials. The purpose of such replacement will reduce the potential for more serious accidents affecting the environment, reduce the generation rate of hazardous waste on campus, and reduce the volume of hazardous wastes

contributed by the University to landfills elsewhere. It is an objective of the University to minimize hazardous waste accumulation points on campus and implement a system of Best Management Practices to safely manage these locations.

EXHIBIT "D"

13.0 CAPITAL IMPROVEMENTS ELEMENT

Florida International University faces a need for enormous expansion and development activity over the next decade, if facilities are to be made available to correct deficits and meet the needs of a rapidly expanding enrollment. The funding of capital improvements, which constitutes this Master Plan, is one of the most critical steps in the planning process. The implementation of this Master Plan is contingent upon the identification, application and efficient use of both State University System (SUS) monies and those made available to or by Florida International University. Table 14.1 identifies the Capital Improvement Plan outlined as of August 1, 2003.

Table 14.1 Florida International University Capital Improvement Plan (2000-2010)

UNIVERSITY PARK/Engineering Center (YEAR 2000-2005)	GSF	Cost
<u>Primary Elements – PECO-Eligible</u>		
Facilities Infrastructure/Capital Renewal	N/A	\$25,000,000
Health and Life Sciences	190,624	\$36,736,600
Central Utility Plant	10,000	\$9,300,000
Graduate School of Business – Building I	90,000	\$16,500,000
College of Law	150,000	\$25,000,000
Social Sciences	94,000	\$17,891,936
Molecular Biology	77,600	\$18,700,000
Classroom/Office (EC)	160,000	\$31,300,000
Arts Complex – Phase II	91,840	\$17,882,000
Computer Services	73,371	\$14,129,000
Classroom/Office, UP	<u>85,512</u>	<u>\$14,844,000</u>
SUB-TOTAL	1,022,947	\$227,283,536
<u>Supplemental Elements – Non-PECO Eligible</u>		
Graham Center Renovation	29,000	\$5,250,000
Student Health Services Center	20,000	\$3,000,000
Stadium Expansion	40,000	\$18,000,000
Frost Museum	40,000	\$12,300,000
International Hurricane Center	33,056	\$7,300,000
Training Complex	24,432	\$6,000,000
Public Safety Building	10,000	\$2,200,000
Recreation Center – Phase I	58,000	\$9,000,000
Lakeview Housing- Phase I	240,000	\$39,000,000
Greek Housing II	14,400	Note 1
Parking Garage Three	10,000	\$12,000,000
Parking Garage Four	<u>10,000</u>	<u>\$12,000,000</u>
SUB-TOTAL	499,888	\$126,050,000
TOTAL	1,522,835	\$353,333,536
BISCAYNE BAY CAMPUS (YEAR 2000-2005)	GSF	Cost
<u>Primary Elements – PECO Eligible</u>		
Marine Biology Classroom	83,734	\$13,100,000
Hospitality Management (Equipment/Remodeling)	<u>N/A</u>	<u>\$550,000</u>
SUB-TOTAL	83,734	\$13,650,000
<u>Supplemental Elements – Non-PECO Eligible</u>		
Kovens Center Enhancement – Phase I	16,300	\$781,000
Recreation	N/A	\$5,000,000
Parking Lot Reconfiguration	<u>N/A</u>	<u>\$500,000</u>
SUB-TOTAL	16,300	\$6,281,000
TOTAL	100,034	\$19,931,000
OTHER (YEAR 2000-2005)		
<u>SUPPLEMENTAL ELEMENTS – NON-PECO ELIGIBLE</u>		
Wolfsonian Enhancement	N/A	\$852,000
SUB-TOTAL		\$852,000
CAPITAL ASSET MANAGEMENT SUPPLEMENT – UNIVERSITY WIDE (YEAR 2000-2005)		\$15,000,000

EXHIBIT "D"

Table 14.1 Florida International University Capital Improvement Plan (2000-2010) continued

UNIVERSITY PARK / Engineering Center (EC) (YEAR 2006-2010)		GSF	COST
<u>Primary Elements – PECO Eligible</u>			
Classroom/Office (Future Development A)		360,000	\$9,500,000
Future Development B - D		<u>170,000</u>	<u>\$24,120,000</u>
	SUB-TOTAL	665,000	\$100,520,000
<u>Supplemental Elements – Non-PECO Eligible</u>			
Graham Center Expansion – Phase II		40,000	\$4,471,105
Lakeview Housing- Ph. II		240,000	\$40,000,000
Undergraduate Housing/ (Chapman Grad. School of Business) 240,000			\$40,000,000
Greek Housing III		14,400	Note 1
Greek Housing IV		14,400	Note 1
Greek Housing V		14,400	Note 1
Parking Garage Five		10,000	\$12,000,000
Parking Garage Six		10,000	\$12,000,000
Recreation Center – Phase II		95,831	\$12,340,157
Future Development E		<u>40,000</u>	<u>\$8,000,000</u>
	SUB-TOTAL	719,031	\$128,811,262
	TOTAL	1,384,031	\$229,331,262
BISCAYNE BAY CAMPUS (YEAR 2006-2010)		GSF	COST
<u>PRIMARY ELEMENTS – PECO ELIGIBLE</u>			
Academic Four Building		69,200	\$15,050,000
Future Development A		<u>70,000</u>	<u>\$15,750,000</u>
	SUB-TOTAL	139,200	\$30,800,000
<u>SUPPLEMENTAL ELEMENTS – NON-PECO ELIGIBLE</u>			
Future Development B		<u>71,805</u>	<u>13,500,000</u>
	SUB-TOTAL	71,805	13,500,000
	TOTAL	211,005	\$44,300,000
CAPITAL ASSET MANAGEMENT SUPPLEMENT – UNIVERSITY WIDE (YEAR 2006-2010)			\$15,000,000
TOTAL COSTS (YEARS 2000-2010)			
UNIVERSITY PARK / EC	(2000-2005)	1,522,835	\$353,333,536
	(2006-2010)	1,384,031	\$229,331,262
BISCAYNE BAY CAMPUS	(2000-2005)	100,034	\$19,931,000
	(2006-2010)	211,005	\$44,300,000
OTHER (YEAR 2000-2006)			\$852,000
CAPITAL ASSET MANAGEMENT SUPPLEMENT – UNIVERSITY WIDE (YEAR 2000-2005)			\$15,000,000
CAPITAL ASSET MANAGEMENT SUPPLEMENT – UNIVERSITY WIDE (YEAR 2006-2010)			\$15,000,000
GRAND TOTAL		3,217,905	\$677,747,798

EXHIBIT "D"

15.0 ARCHITECTURAL DESIGN GUIDELINES ELEMENT

Excellent architectural design begins much earlier than the design process. The initial assessment of academic need is the first opportunity for Florida International University (FIU) to ensure a successful project. The University assesses future facility requirements to the best of its ability, then applies a statistical matrix of budget and square footage factors to quantify those needs.



Once selected, the design professional's challenge is to deliver a facility within the budget and quality parameters identified during the needs assessment, with the hope that construction cost inflation will not be significant and that project requirements will not change. Therefore, the creation of an upfront, comprehensive project-specific program document is a critical step in preparing a project to become an "excellent design."

Once selected, the design professional must satisfy the program requirements as well as give consideration beyond the exterior walls of the project he/she has been commissioned to design. To assist the design process, FIU has established a set of Architectural Design Guidelines, which include a number of checkpoints. Each of these checkpoints preserve and enhance the image of higher education that has been the base concept for past design and has served as the foundation for development of FIU and this Master Plan.

- Site placement in response to adjacent structures and open campus green areas.
- Maintenance of desirable sight lines to and from the facility.
- Location of exterior service docks and refuse pick-up points out of view, screened and located, where practical, away from pedestrian areas.
- Adoption of passive solar design strategies for the exterior envelope to enhance the energy efficiency characteristics of the building's overall performance.
- Adherence to design requirements stipulated by the recently enacted Americans with Disabilities Act (ADA) as amended by the State of Florida.
- Design to deliver low maintenance/vandal-resistant interior finishes and building systems that are commonly available for necessary replacement.
- Base the design of mechanical, electrical and plumbing systems on simple, reliable components.
- Incorporation of SUS, Office of Capital Programs, Cost Containment Guidelines for the State University System of Florida.

EXHIBIT "D"

UNIVERSITY PARK

A determination of the preferred mass and scale of new buildings for University Park will have a profound effect on how the campus is perceived. The architectural style of earlier campus development has been described as brutalist modern, having massive heavy concrete construction with minimal articulation of facades. More recent architecture has more of a Mediterranean style with pastel colors and increased building articulation. Typically it is easier to blend this architectural style with the



buildings surroundings. Establishing Design Guidelines will encourage design creativity and ensure that every new building is not a monument unto itself. Typically architectural style of future buildings should be consistent with existing campus vernacular.

Appropriate building heights is another critical issue that must be resolved to establish campus identity for future growth. Due to the scarcity of developable land remaining at University Park, there is tremendous pressure to go vertical with new buildings. However, as observed in a couple of the taller monument buildings on campus, Green Library and University Towers, it is difficult to relate massive structures to the human scale. The scale of the original buildings is relatively massive and monolithic, the later buildings have departed from this approach and have reduced the Architectural scale. There is a need for creating more inviting people spaces to that will establish a better relation between buildings and people.



ENGINEERING CENTER

The existing academic building is precast concrete with embedded aggregates, cast-in-place concrete, fluted block, split face block and stucco finishes. Glass is used in the form of storefront panels. Future development should be made to mirror or work with this style of architecture to create a fluid integration of buildings and adjacent plazas and open spaces.



BISCAYNE BAY CAMPUS

The original buildings started to establish a blend between buildings by using similar exterior materials and a continuous internal connection between buildings. The architectural style of recent buildings have significantly departed from original styles, they incorporate elements very different that shift the newer buildings in a different architectural direction. Creating people spaces, in particular on the bay side, would help to encourage a better architectural scale

EXHIBIT "D"

16.0 LANDSCAPE DESIGN GUIDELINES ELEMENT



The purpose of Landscape Design Guidelines is to provide the campuses of Florida International University with a template for landscape as well as hardscape treatments to maintain a high level of quality to the design of new spaces and to the enhancement of existing landscaped areas. This also involves the embellishment of existing open space and gathering areas and the creation of new spaces. It is the intent of the Landscape Design Guideline Element to provide an overall landscape concept, which unifies each campus with its built

environment and its unique natural environment.

Hierarchy of spaces is identified and main circulation routes are reinforced with identifiable landscape treatments. New pedestrian corridors will be identified, linking unique academic cores within the campus, creating way-finding alternatives and new activity areas. The overall character of the FIU campus is transformed to a more traditional institutional landscape by defining various spaces with a developed plant palette, using the following guiding principles:

- Blending new development sites with the character of the mature campus landscapes and other natural areas by retaining islands of natural vegetation in new development areas and creating new and similar vegetative buffers which soften building facades and site facilities.
- Integrating and articulating architectural and site design in conjunction with landscape architectural design in the planning process to ensure that attractive settings and ample open spaces are provided for new facilities.
- Seeking to develop new significant landscape features in association with campus expansion, including campus greens; attractive, creatively designed retention ponds; and pedestrian plazas which support the concept of the "Avenue of the Arts" and "Avenue of the Professions", fundamental to the University's total Master Plan.
- Continuing the initial style and character of the original campus plantings with emphasis on transitioning and reflecting the natural formation of plantings.
- Maintaining a selective palette of indigenous and site-adaptive plant species that continue the tropical environment as well as those plants that promote Xeriscape principles.
- Creating a sense of arrival at campus entrances and at the primary entrances to the Campus Core with accent plantings of subtropical plant species.



EXHIBIT "D"

17.0 FACILITIES MAINTENANCE ELEMENT

Florida International University is in the process of establishing an integrated Facility Maintenance Program. FIU has on-going reviews of existing facilities by in-house and independent consultants to maintain updated status of maintenance requirements. At present priorities are assigned to address facility deficiencies based on explicit criteria and standards, with implementation limited by funding availability.

Due largely to the lack of sufficient funding to correct even all high priority deficiencies, the University lacks a deferred or preventative maintenance system with appropriate schedules and budgets for routine maintenance. The Goals, Objectives and Policies of the 2000-2010 Master Plan Update are aimed at documenting present procedures, while mandating an expansion of the facility maintenance program with an emphasis on long term scheduling of routine, preventive and deferred maintenance.

18.0 COASTAL MANAGEMENT ELEMENT

FIU has the unique advantage of being located in a sub-tropic environment where a variety of native vegetation can be utilized and preserved in its natural state. This vegetation can be incorporated into open spaces and conserved as a natural buffer and also maintained as habitat for wildlife found at each campus.



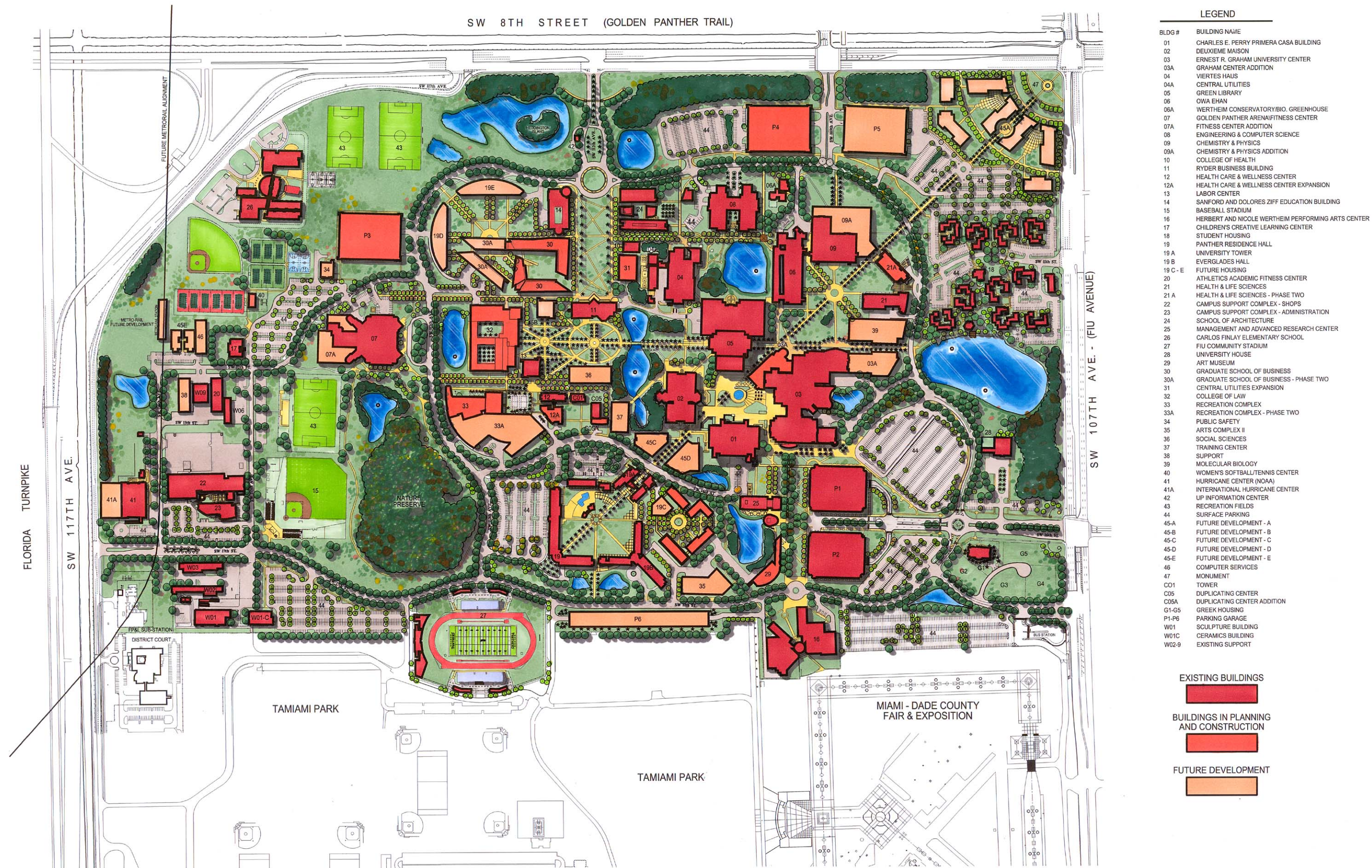
Few university campuses nationwide have this advantage of being located in the type of sub-tropical, coastal setting in which Biscayne Bay Campus is found. The coastal environment, however, offers many challenges to the Master Planning process. The challenges include determining how one may take advantage of the amenities offered by the coastal setting, while limiting the vulnerability of the campus to hurricanes, tropical storms and flooding, and at the same time protecting and enhancing important natural resources

All new construction and renovation of existing facilities at Biscayne Bay Campus will comply with current Building Codes and Public Shelter Criteria, when applicable, as outlined in the Florida Statutes.

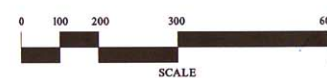


The State of Florida Building Codes outlines specifications related to building structure and material that are intended to reduce exposure to hazards in coastal zone areas.

EXHIBIT "D"



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LEGEND

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- 01A AQUATIC CENTER
- 02 ACADEMIC ONE
- 03 WOLFE UNIVERSITY CENTER
- 03A WOLFE UNIVERSITY CENTER EXPANSION
- 04 ACADEMIC TWO
- 05 LIBRARY
- 06 STUDENT HEALTH CENTER
- 06A STUDENT HEALTH CENTER ADDITION
- 07 CONFERENCE CENTER
- 12 ACADEMIC FOUR
- 13 MARINE BIOLOGY (ACADEMIC THREE)
- 14 HOTEL
- 15 HOUSING
- 16 INFORMATION CENTER
- 20 PDC - HRS ADMINISTRATION
- 21 WELLNESS CENTER
- 22 CENTRAL RECEIVING
- 23 PUBLIC SAFETY
- 24 PHYSICAL PLANT
- 25 GROUNDS
- 27 ECOLOGY LAB
- 29A FUTURE DEVELOPMENT - A
- 29B FUTURE DEVELOPMENT - B
- 43 RECREATION FIELDS
- 44 SURFACE PARKING
- H1 BAY VISTA HOUSING

EXISTING BUILDINGS



BUILDINGS IN PLANNING
AND CONSTRUCTION



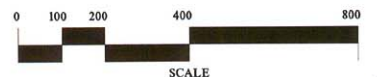
FUTURE DEVELOPMENT



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NORTH

0 40 80 160 320
SCALE

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