

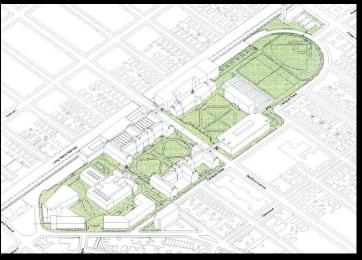
Brooklyn College Master Plan Facilities Update
Pfeiffer Partners Architects Inc. - Scott Blackwell Page - ARUP

14 April 2011



- I. Understanding The Assignment What Is A Master Plan
- II. Building and Systems Evaluations
- III. The Process: Qualitative and Quantitative Analysis
- IV. Recap of Preliminary Space Needs
- V. Opportunities for the Future
- VI. The Emerging Master Plan
- VII. Next Steps



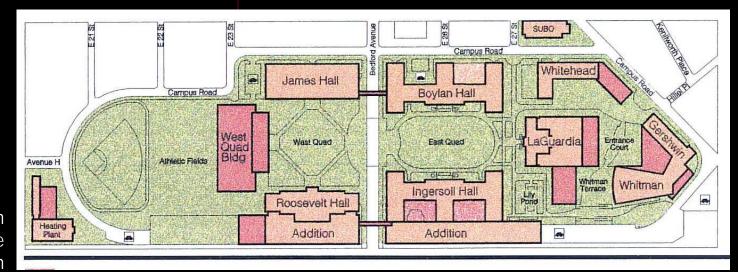


What A Master Plan Does

- Establishes Mid-Long Range Plan for Guiding Decision Making. *Beginning of a Process*. Not an End But a Means to an End, *Framework for Making Incremental Improvements*
- Tool for Supporting Academic Aspirations of the College -Identifies Priorities and their Costs
- Allows College to Respond to Opportunities as they Arise

What It Doesn't Do

- Doesn't Dictate Change nor Require It to Happen
- Doesn't Prescribe Detailed Changes Doesn't Locate
 Specific Offices, Programs of Activities



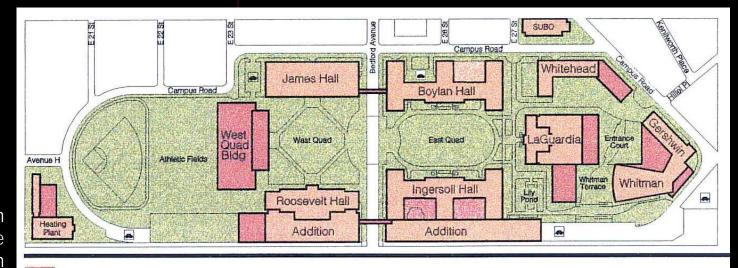
1995 Brooklyn College Master Plan



Expansion/Renovation of Library



West Quad Building



1995 Brooklyn College Master Plan



Leonard & Claire Tow Performing Arts Center



Roosevelt Hall - Site of Phase 1 Science Building





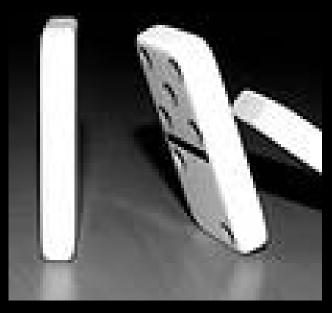
- Create a *Physical Plan* for New, Renovated and Re-organized Space that Supports the College's Academic Mission
- Quantify the Need for Space Necessary to Deliver the College's Academic Programs in 2020
- Align Physical Plan with Strategic Plan for the Campus
- Evaluate the Buildings and Infrastructure of the Campus to Determine How They Might Best Meet Programmatic Needs. Identify Necessary Improvements
- Establish Overall Master Plan for Long-Term
 Enhancement and Development of the Campus
- Identify and Document the College's Need for Capital Funds to Support Proposed Improvements







- Address Issues of Sustainability, Reconfirming the College's Commitment to Environment Responsibility
- Address Issues of Accessibility to and Within the Buildings
- Recommend a *Phasing* Strategy, Illustrating How Improvements Can be Made Incrementally as Funds Become Available
- Engage in a Transparent Process that Involves the Entire Brooklyn College Community



The "Domino Effect"

Each move has an effect on each future move

The Campus Today



Building and Systems Evaluations

Academic Buildings and Classrooms

Structural / Building Fabric

- Structures generally sound
- Maintenance and repairs required water damage in some areas
- Improvements to building envelopes required for energy savings

Boylan Hall: 191,500 NASF

Ingersoll Complex 322,410 NASF

Mechanical/Electrical/Plumbing

- Building services out of date and in varying degrees of operation
- Full replacement of MEP with more energy efficient systems
- Electrical capacity not adequate in some cases
- Plumbing fixtures and piping require replacement



Whitehead Hall: 65,915 NASF



William James Hall 154,336 NASF

Interior Improvements

- Classroom and facility upgrades
- New technology, furniture and equipment
- "Face lifts" paint, flooring, ceilings
- Lighting
- Signage
- More public spaces, lounges, places for students to gather











Building and Systems Evaluations

"Special Function" Buildings

LaGuardia Library

- Building has water penetration/ damage in certain areas
- Needs power and data infrastructure upgrade
- Needs more space for Special Collections

Whitman Hall/Gershwin

- Building has water penetration/ damage in certain areas.
- Spaces in need of repair and upgrade – particularly at lower level
- Teaching/ rehearsal/performer support in need of upgrade



LaGuardia Library





Library Cafe



Whitman Hall

"Special Function" Buildings

Interior Improvements

- Technology and data upgrades
- New furniture and equipment
- Waterproofing
- "Face lifts" paint, flooring, ceilings
- Lighting
- Signage













Engaging the Community

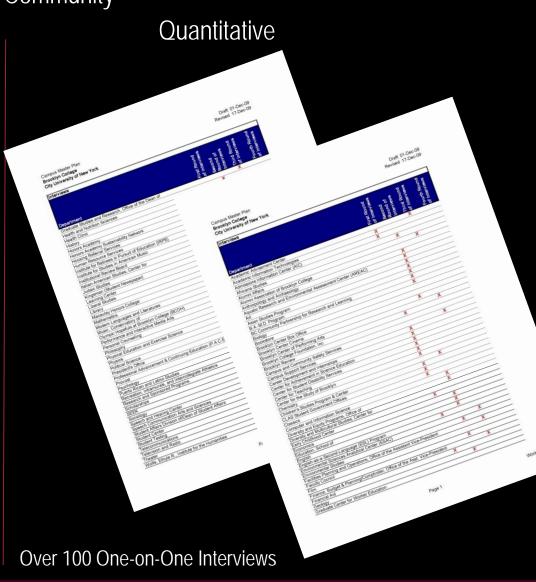


counseling programs. Together with the College's Office of Academic Affairs, the

College Website



Town Hall Forums Faculty Council





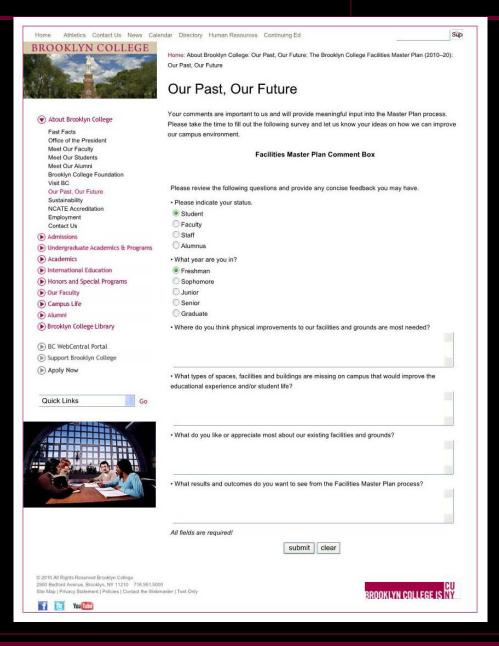


"We really need *different configurations* for optimal teaching."

- Ellen Tremper, English Dept. Chair

"I am concerned about *the lack of* student study spaces throughout the campus. The library and the Library Café are not enough for the whole campus."

- Political Science Student



Website Questions

- 1. Where do you think improvements to our facilities are *most* important?
- What types of spaces, facilities, and buildings are missing on campus that would improve the educational experience and/or student life?
- 3. What do you like or appreciate most about our existing facilities and grounds?
- 4. What results and outcomes do you want to see from the Facilities Master Plan process?

Student Comments: What do they *like most* about the campus?

1. Over 50% of the 81 student respondents appreciate the beautiful campus – the architecture, the landscaping, and the Lily Pond.



3. 22% love the new West Quad Athletic Center.









Student Comments: What is most needed on campus?

- 1. 60% would like to see interior renovations of the beautiful old buildings. 30% of these comments specified the desire for classroom renovations, including addition of more smart classrooms and replacement of broken furniture. And 25% point out the need for updated bathrooms.
- 2. Healthy food options and an updated dining room is most on the minds of 18% of those who responded.
- 3. Increased WiFi access throughout campus is the most requested improvement in 15% of the student's comments.





Student Comments: What is most needed on campus?

 Nearly tied for first place in most needed physical improvements according to the students..... An open swimming pool in the West Quad building.

✓ COMPLETED!!



Student Comments: What is missing on campus?

- 1. 20% feel that the re-opening the James Hall entries to the West Quad and Bedford would help to reactivate the Quad lawn as well as the addition of trees, benches, path lighting, and landscaping to extend the beautiful (and very appreciated!) East Quad atmosphere across Bedford Ave.
- 2. Adequate study and social spaces located throughout campus for students to gather in between classes is a concern for 20%.
- 3. 15% would like to see more housing available to students in addition to the Referral Residence Hall on the corner of Kenilworth Place and Farragut Road. Several noted the need to add housing for veterans.











Staff Comments: What do they like most about the campus?

 Over 80% of the 23 staff respondents appreciate the beautiful campus – the architecture, the landscaping, and the Lily Pond. Most expressed their satisfaction with the maintenance and facilities groups for their efforts in maintaining the grounds and buildings







20% say the Library is their favorite place on Campus.

Quote from one staff member:

'The Library is the jewel of the campus'





Staff Comments: What is most needed on campus?

- 60% would like to see interior renovations of the beautiful old buildings. 30% of these comments specified the desire for classroom renovations, including addition of more smart classrooms and replacement of broken furniture.
- 2. 50% of the 23 staff responses request improvements related to sustainability, including improving mechanical systems to control heating/cooling and air quality, adding green roofs to the West Quad Athletic Building to provide outdoor eating/exercise space (and reduce glare from roof into staff offices), keeping community garden by the athletic fields
- 3. Re-opening William James Hall entries to Bedford Ave and the Quad is important to 15% of staff members.





Staff Comments: What is missing on campus?

1. 20% feel that the James Hall entries to the West Quad and Bedford would help to reactivate the Quad lawn as well as the addition of trees, benches, path lighting, and landscaping to extend the beautiful (and much appreciated!) East Quad atmosphere across Bedford Ave.

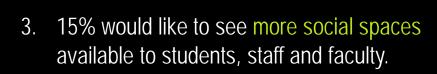


2. Adequate space for storage and offices is a concern for 20% of staff who commented.















Faculty Comments: What do they like most about the campus?

1. Over 70% of the 31 faculty respondents appreciate the beautiful campus – the architecture, the landscaping, and the Lily Pond.



2. 30% say the Library is their favorite place on Campus.





Faculty Comments: What is most needed on campus?

- 75% of faculty are desperate for space!!
 Preferably in the form of more, larger, and/or
 Smart Classrooms and adequate office space for
 the expanded faculty population.
- 2. 70% would like to see interior renovations of the beautiful old buildings. 30% of these comments specified the desire for classroom renovations including addition of more smart classrooms and replacement of broken furniture.
- 50% of the 23 staff responses request improvements related to sustainability, including improving mechanical systems to better control heating/cooling (esp. one faculty notes: "Boiling Hall") and air quality, adding bike racks, recycling bins, and better/operable windows.





Faculty Comments: What is missing on campus?

- 1. 20% feel that the James Hall entries to the West Quad and Bedford would help to reactivate the Quad lawn, as well as the addition of trees, benches, path lighting, and landscaping to extend the beautiful (and appreciated!) East Quad atmosphere across Bedford Ave.
- 2. Adequate space for storage and offices is a concern for 20% of faculty.

3. Campus lacks opportunities for collaboration and social interaction for faculty according to 30% of those who responded.



Group 1

Academic Information Technologies Admissions Information Center (AIC)

Animal Facilities

Brooklyn College Foundation, Inc.

Campus Support Services

Career Development and Internships

Magner Center

Center for Achievement in Science Education

Center for Student Disability Services

Center for Teaching

Center for the Study of Brooklyn

Children's Studies Program & Center

CLAS Student Government Offices

Classics

Early Childhood Center

English-as-a-Second-Language (ESL)

Financial Aid

Honors Academy

Macaulay Honors College

Personal Counseling

Provost

Research and Sponsored Programs

SEEK

Student Center

Group 2

Africana Studies

Anthropology and Archaeology

Aquatic Research and Environmental

Assessment Center (AREAC)

Art

Asian Studies Program

B.A.-M.D. Program

BC Community Partnership for Research

and Learning

Biology

Brooklyn Center Cinema

Chemistry

Computer and Information Science

Diversity and Equity Programs, Office of

Economics

Education, School of

English

Environmental Studies

Film

Geology

Health and Nutrition Sciences

History

Italian-American Studies, Center for

Judaic Studies

Group 2 (Continued)

Modern Languages and Literatures

Music, Conservatory of

Philosophy

Physical Education and Exercise Science

Physics

Political Science

Professional Advancement & Continuing Education (P.A.C.E.)

Psychology

Puerto Rican and Latino Studies

Sociology

Speech Communication Arts and Sciences

Theater

Women's Center

Women's Studies

Group 3

Academic Advisement Center

Alumni Affairs

Alumni Association of Brooklyn College Brooklyn Center of

Performing Arts

Campus and Community Safety Services

Environmental Sciences Analytical Center (ESAC)

Facilities Planning and Operations, Office of the Assistant

Vice-President

Finance, Budget & Planning/Comptroller, Office of the Asst.

Vice-President

Graduate Studies and Research, Office of the Dean of

Health Clinic

Human Resource Services

Learning Center

Library

Recreation, Intramurals, and Intercollegiate Athletics

Student Testing

Group 4

President's Office

Office of the Provost

Student Affairs Division of/Dean of Student Affairs





Overview of Needs

- The College currently has 1.39 million net assignable square feet of buildings.
- 2) The long term *need is for approximately 1.41* million net assignable square feet.
- 3) The capital requirements of the College are primarily defined by the *age and obsolescence of the current facilities*.
- 4) Capital will be spent on *replacement, adaptation and renewal* of these facilities.
- Classroom construction is not driven by count but by quality, capacity and configuration.





Establishing the Schools

- The *School of Business* has the most acute programmatic shortfall, occupying only 6,500 square feet.
- The School of Natural & Behavioral Sciences has the most acute quality problem, while supporting an existing surplus of 33%.
- 3) The *School of Humanities & Social Sciences* has a need for an additional 30,000 nasf.
- 4) The *School of Education* a need for 30,650 nasf, vs. existing 18,000 nasf.
- 5) The *School of Visual, Media & Performing Arts-* a need for 50,000 nasf art studios, theatre instruction, rehearsal space, faculty offices.

Note: Reorganizing *academic departments into school*s requires committing to more administrative space.





Establishing Student Oriented Spaces

- 1) Student Activities, Student Services and Administrative Services are all in need of space.
- 2) Student Activities shortfall is 26,000 nasf. Focus on providing more "non-programmable space" -- student lounges, study areas, "hang-out space" distributed within the Schools.
- 3) West Quad building focused on providing many of the required "*transactional*" functions, now a substantive investment is required for the *advisement functions*.



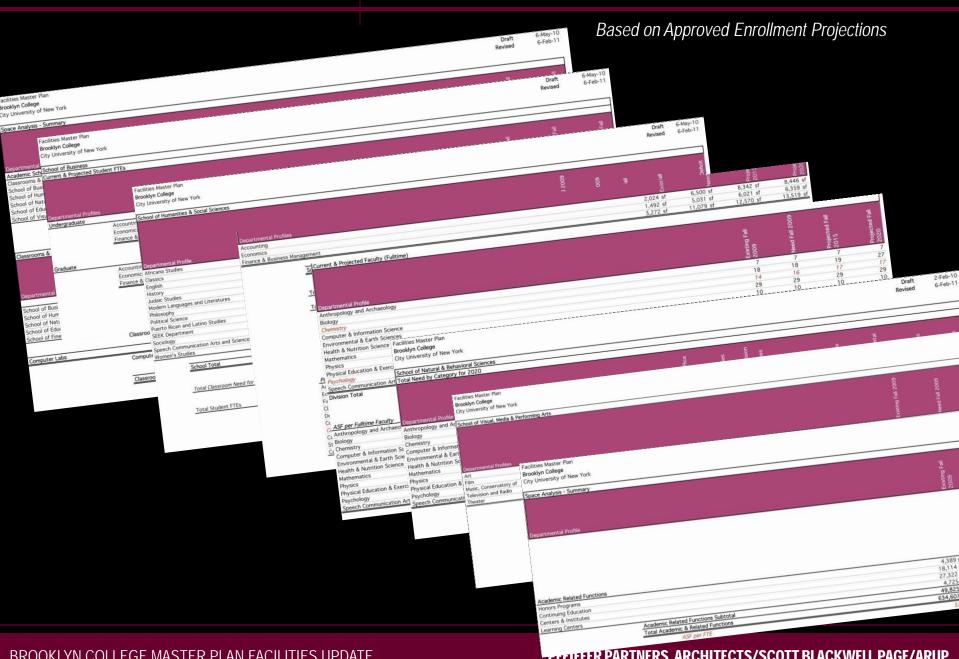




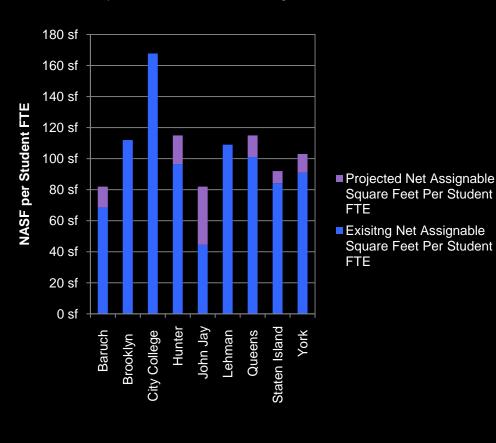
Summary of What's Needed

- Classroom renovations
- Updated bathrooms
- Faculty space space for "Schools" offices, support and smart classrooms
- Student services, administration space
- More study rooms and social spaces throughout the campus
- Opportunities for collaboration and social interaction

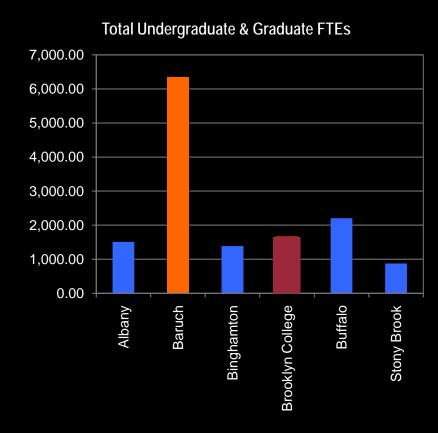


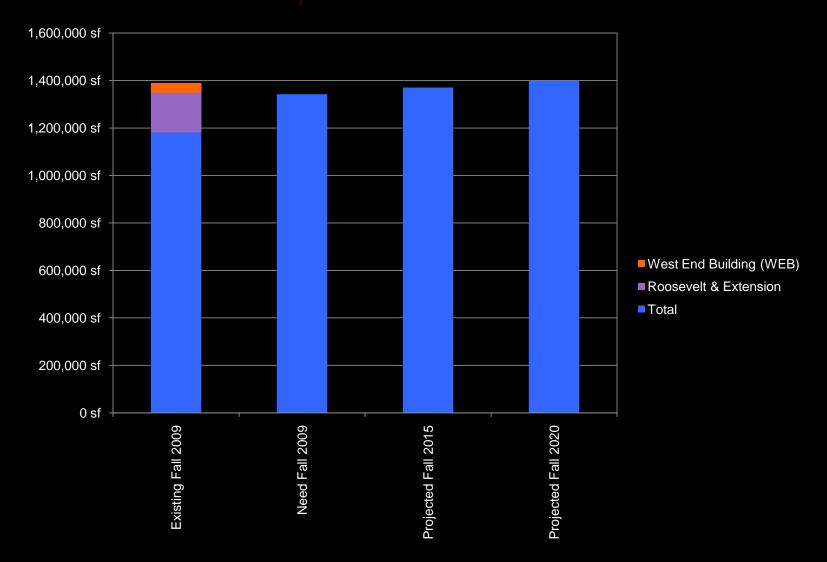


NASF per Student – CUNY System Wide

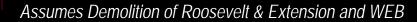


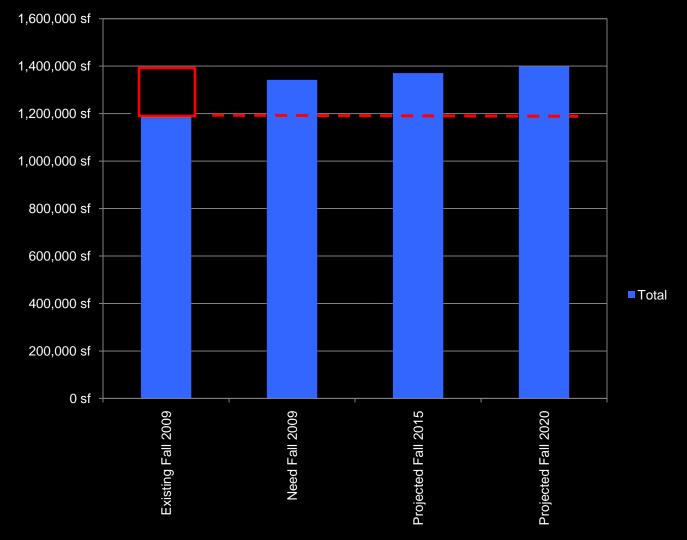
New York State - Schools of Business



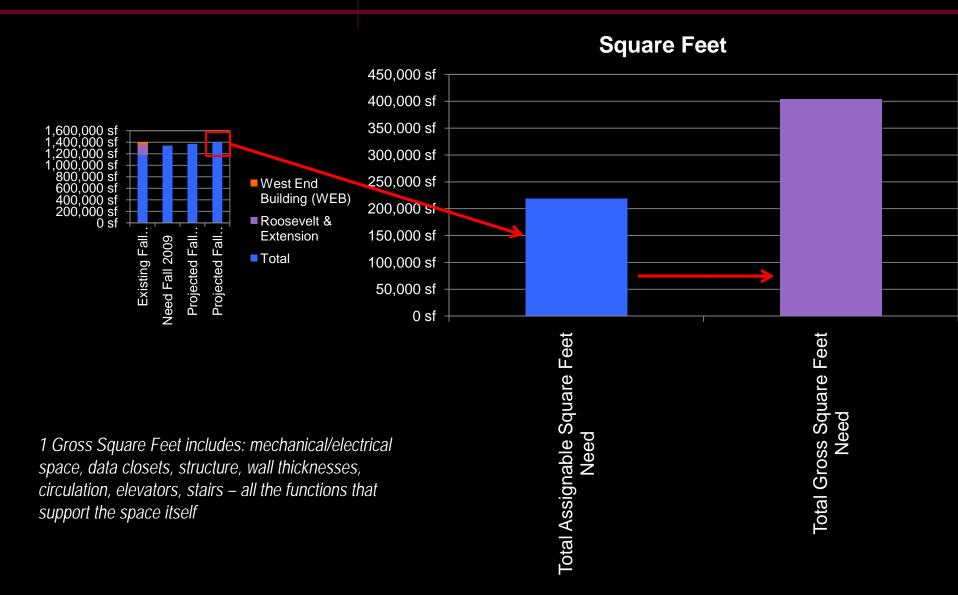


Based on a Projected 2% Increase in Student Enrollment

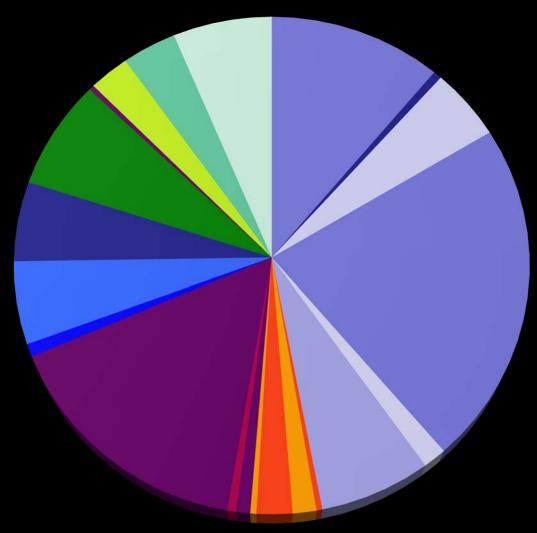




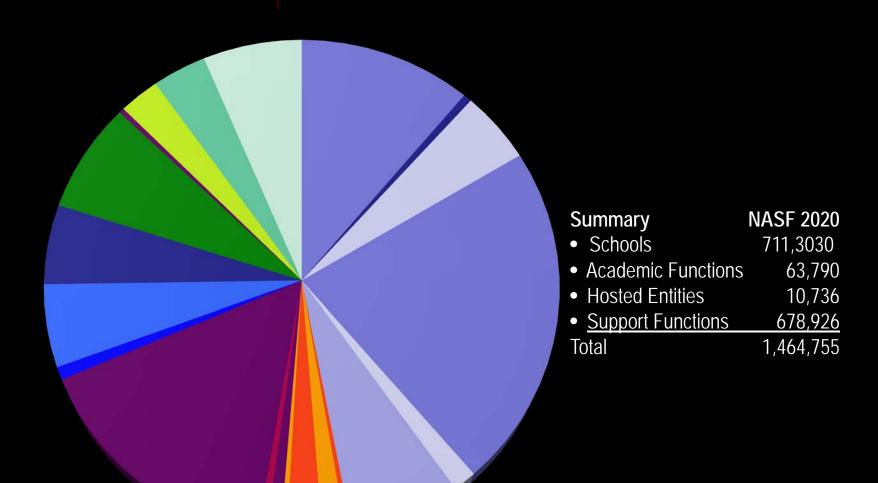
A Projected Shortfall of 200,000 Net Assignable Square Feet

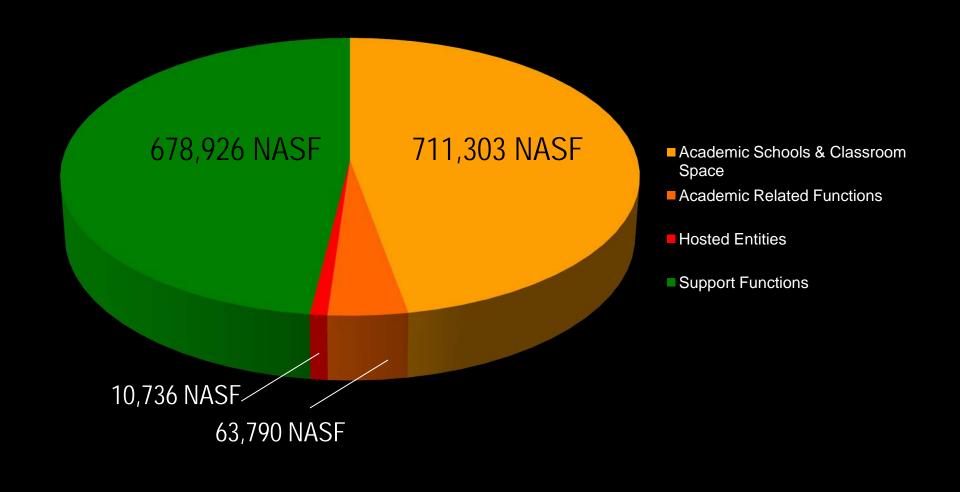


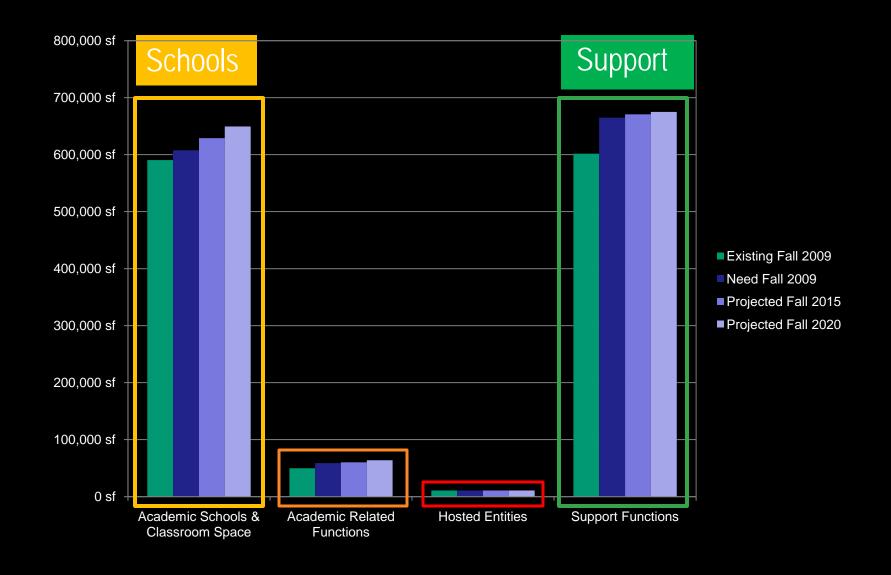
200,000 Assignable Square Feet = 400,000 Gross Square Feet 1



- Classrooms & Computer Labs
- School of Business
- School of Humanities & Social Sciences
- School of Natural & Behavioral Sciences
- School of Education
- School of Visual, Media & Performing Arts
- Honors Programs
- Continuing Education
- Centers & Institutes
- Learning Centers
- Brooklyn College Academy
- Grant Funded Programs
- Library
- Technology
- Assembly & Exhibition
- Athletics, Physical Educ. & Recreation
- Student & Faculty Activities
- Child Care
- Student Services
- Administrative Services
- Campus Services

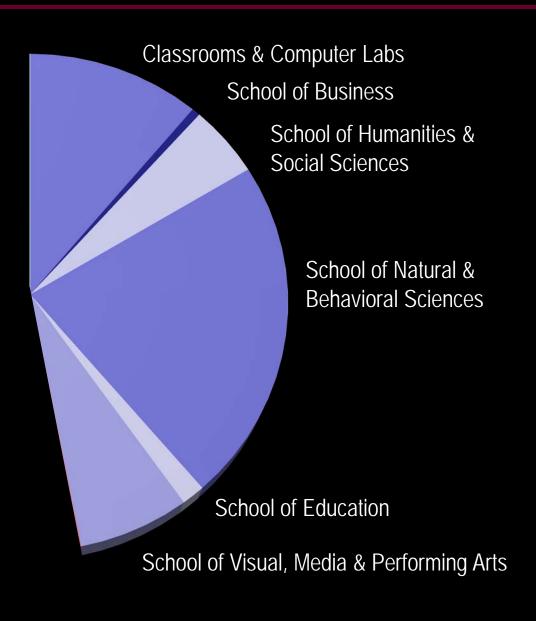






School	Existing NASF	Projected 2020 NASF*	Delta NASF
Business	6,788	29,170	22,380
Humanities & Social Sciences	60,059	84,883	24,824
Natural & Behavioral Sciences	279,966	252,908	(27,058)
Education	17,750	34,950	17,200
Visual, Media, & Performing Arts	84,980	134,076	49,096

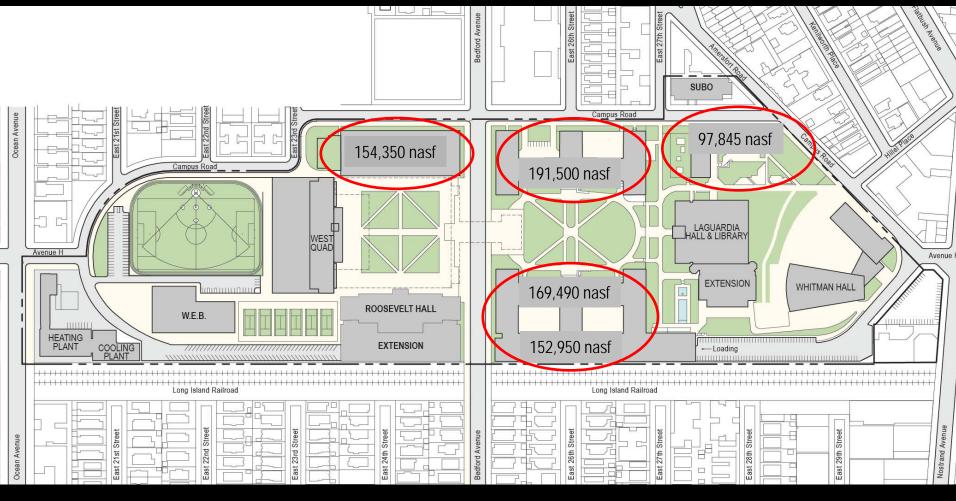
^{*} Not including classrooms

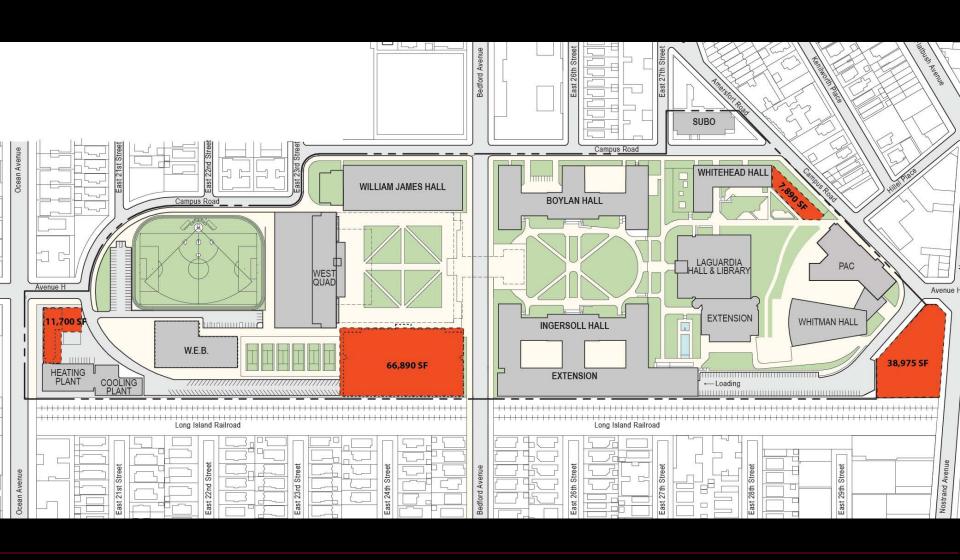


Total Required Space Needs 2020: Schools, Classrooms, Labs: Total Available:

711,303 nasf* 766,135 nasf

* Total Space Required Overall: 1,430,920 nasf





Link the Master Plan with the Strategic Plan

Strategic Themes



Master Plan Goals

Provide an outstanding educational experience for our students.

Goal 1: *Emphasize students* as the focus of the Brooklyn College experience.

Foster a dynamic, responsive and inclusive academic community.

- Goal 2: Foster social interaction between students and between students and faculty academic mission.
- Capitalize on Brooklyn as a learning 3. environment and gateway to the world.
- Goal 3: Bring image, identity and visibility to each of the *Schools* in support of their academics.

Promote the impact of Brooklyn College and its alumni.

- Goal 4: *Promote collaboration* between departments.
- Improve institutional effectiveness and 5. enhance campus infrastructure.
- Goal 5: Activate the two major landscape quads of the campus.

Achieved Through a Series of Strategies

Strategy 1: Each School Has It's "Own Building to Call Home"

Strategy 2: Distribute Social Spaces/Emphasize Student Services

Strategy 3: Use Programs and Activities to Activate the Quad

Strategy 4: Consolidate Campus Services – Support for Schools, Programs, Services

Strategy 5: Reinforce the West Quad



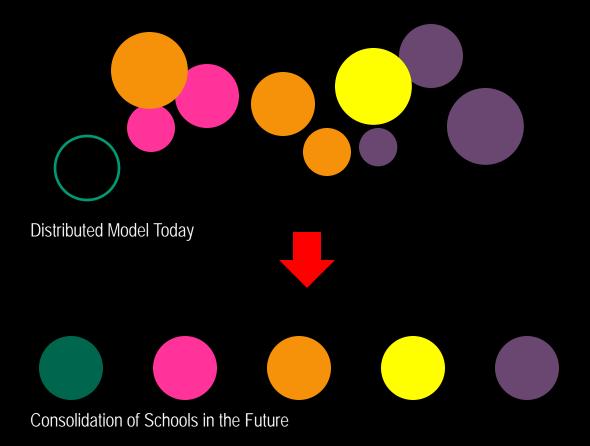
Existing Location of Schools

Academic Schools

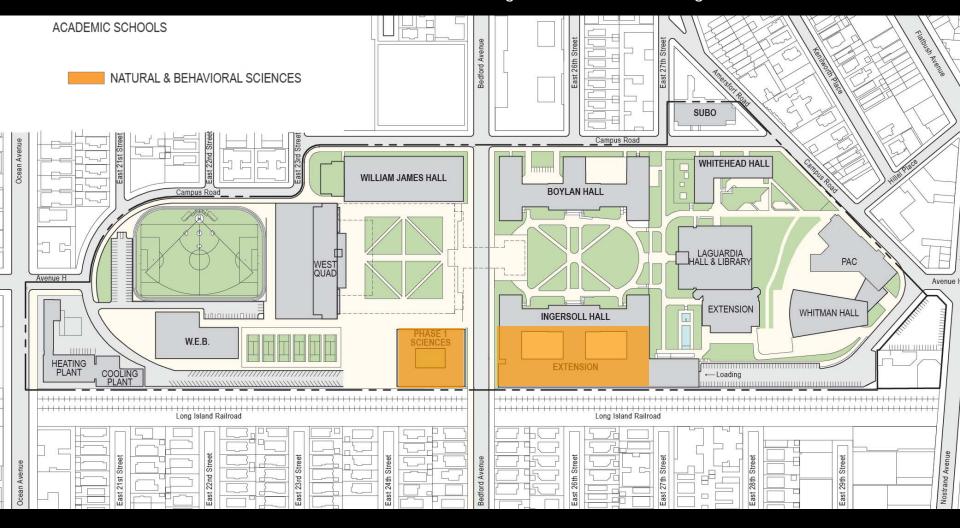
- Business 29,170 nasf
- Humanities & Social Sciences 84,883 nasf
- Natural & Behavioral Science 252,908 nasf
- Education 34,950 nasf
- Visual/Media/Performing Arts 134,076 nasf

Goals:

- Bring Image and Identity to the Schools
- 2. Improve Adjacencies to Improve Collaborations
- 3. Consolidate Space for Efficiency of Operations

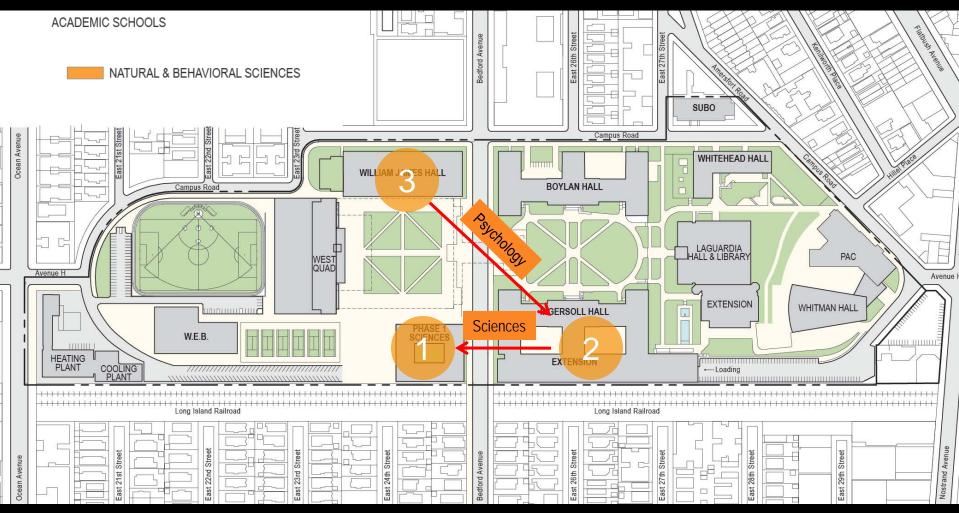


A New Building and A Renovated Ingersoll Extension



School of Natural & Behavioral Sciences:

A New Building and A Renovated Ingersoll Extension



- 1- Construct New Sciences Building
- 2- Renovate Ingersoll
- 3- Relocate Psychology from James Hall

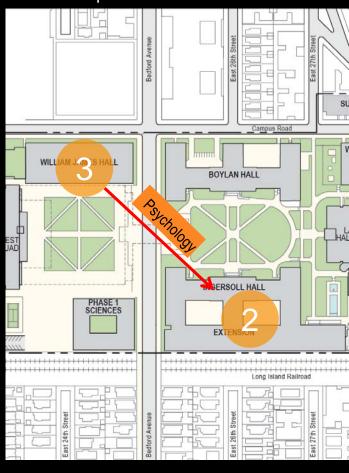
School of Natural & Behavioral Sciences:

A New Building and A Renovated Ingersoll Extension

Existing James Hall



Phased Implementation



A New Building and A Renovated Ingersoll Extension

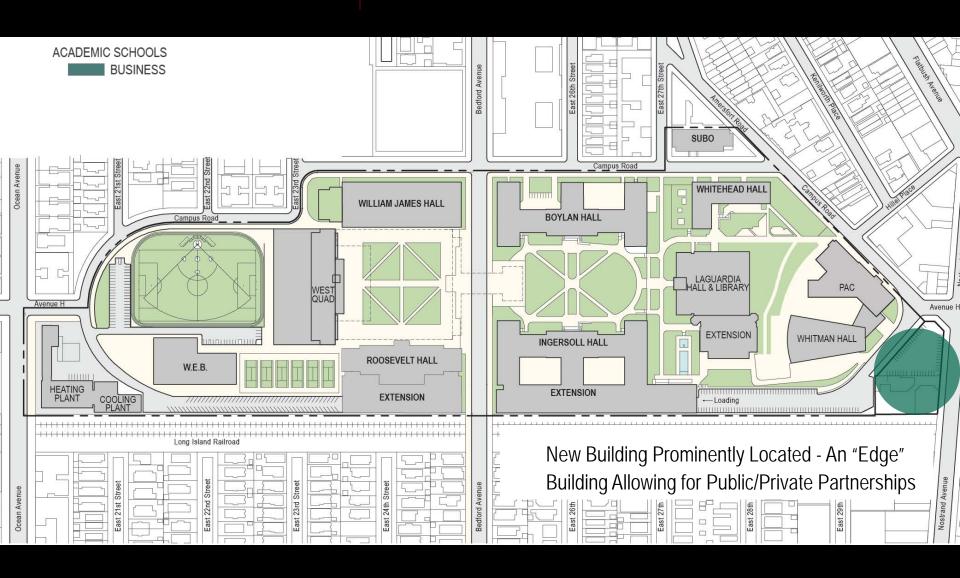
44,300 SF

Total Square Footage of Psychology Moving to Ingersoll



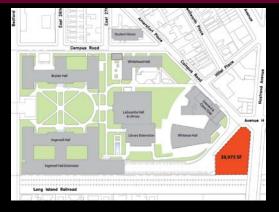


School of Business: New Building on Nostrand Ave.



The Emerging Master Plan

School of Business: New Building on Nostrand Ave.



School of Business @ 2.0 net to gross

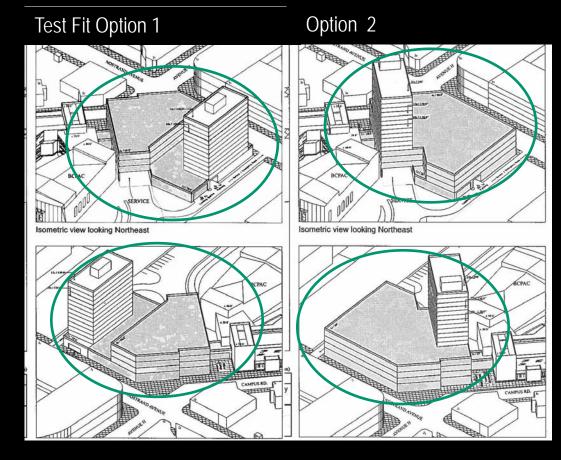
66,850 nasf off* 133,700 gsf

Includes classrooms

Additional Spaces Could Include

- Bookstore relocated from Boylan
- Cafeteria
- Business Development Center
- Student/Faculty Housing
- Office of Advancement and Alumni Affairs – relocated from Ingersoll

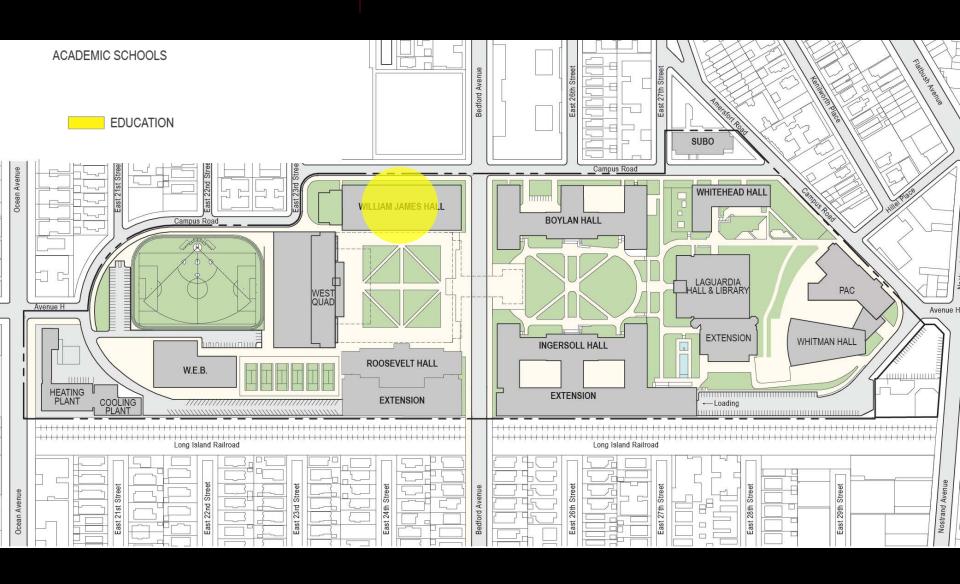
Zoning drawings prepared by Michael Kwartler



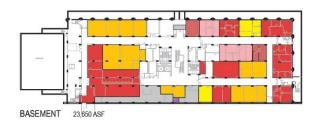
34,000 GSF Retail, College/Office/Service 42,500 GSF Retail, College/Office/Service
105,000 GSF College/Office 180,000 GSF College/Office
183,000 GSF Residential 202,500 GSF Residential
322,000 GSF TOTAL 425,000 GSF TOTAL

PLUS PARKING

PLUS PARKING

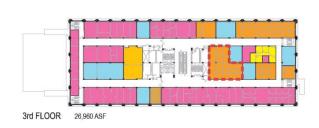


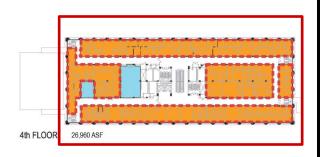
Existing William James Hall











Natural and Behavioral Sciences to Ingersoll



Administration

Budget, Enrollment Services, Finance & Planning

Academic Schools

- Humanities and Social Sciences
- Natural and Behavioral Sciences (including psychology)
- School of Education
- Classrooms

Academic Related Spaces

Center for Children's Studies & Early Childhood Center

Student Services in Support of West Quad

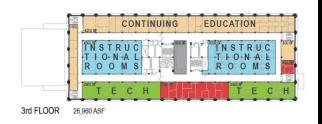
Admissions, Magner Center for Career Development, Financial Aid, Health Programs, International Student Services, Personal Counseling, Scholarships, Veterans Affairs

Student Activity

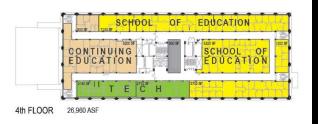
Brooklyn Academy

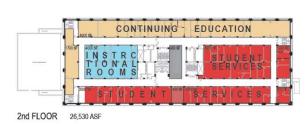
Proposed William James Hall

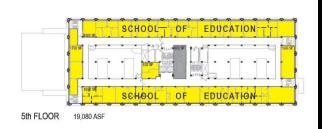












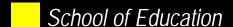
Administration

Budget, Enrollment Services, Finance & Planning

Academic Schools

Humanities and Social Sciences

Natural and Behavioral Sciences (including psychology)





Academic Related Spaces

Continuing Education, Child Care, Center for Children's Studies & Early Childhood Center

Student Services in Support of West Quad

Admissions, Magner Center for Career Development, Financial Aid, Health Programs, Health Clinic, International Student Services, Personal Counseling, Scholarships, Veterans Affairs

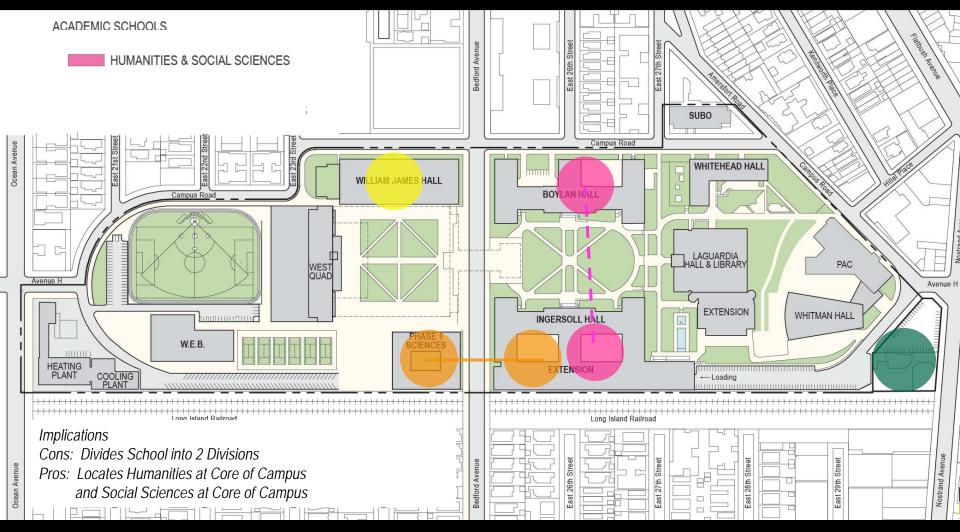
Student Activity

Brooklyn Academy , Honors Academy, STARR, College Now

The Emerging Master Plan

Option 1: School of Humanities & Social Sciences

Humanities in Boylan Hall / Social Sciences in Expanded Ingersoll



Option 1: School of Humanities & Social Sciences

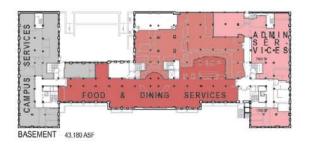
Humanities in Boylan Hall / Social Sciences in Expanded Ingersoll

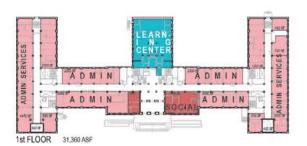
Existing Boylan Hall

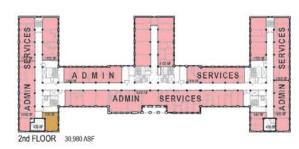


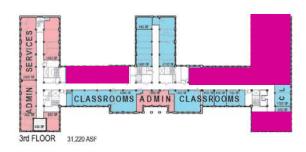
Humanities in Boylan Hall / Social Sciences in Expanded Ingersoll

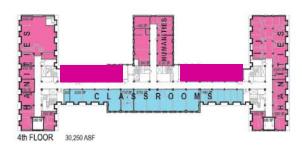
Proposed Boylan Hall

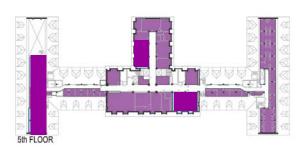


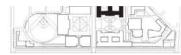


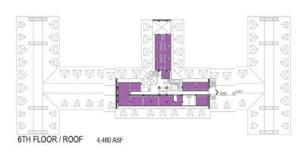




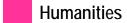














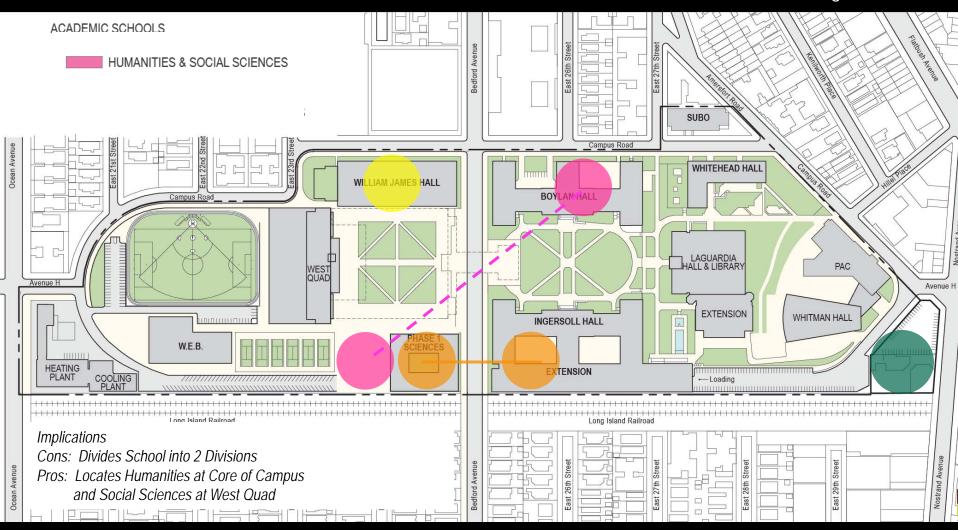


Food & Dining Services

The Emerging Master Plan

Option 2: Humanities in Boylan Hall

Social Sciences in New Mixed Use Building



The Emerging Master Plan

School of VMPA: A Distributed Model with A New Performing

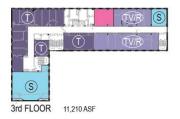
Arts Center, Expansion of Whitehead, Renovated Whitman Hall, Expanded/improved Space in Ingersoll Hall, Improved Boylan ACADEMIC SCHOOLS VISUAL / MEDIA / PERFORMING ARTS **SUBO** WILLIAM JAMES HALL LAGUARDIA WEST QUAD Avenue F **EXTENSION** INGERSOLL HALL W.E.B. SCIENCES HEATING

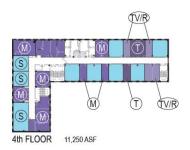
Existing Whitehead Hall

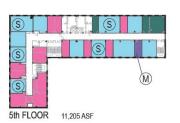














Academic Schools





VA = Visual Arts

T = Theater

M = Music

TV/R = Television & Radio

F = Film (moves from WEB)



Support

Technology

Student Activities, Library, Dining Services

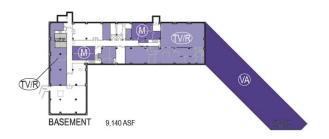
Campus Services

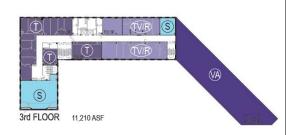
School of VMPA: Whitehead Hall Expansion

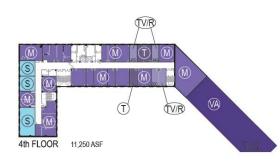
Proposed Whitehead Hall

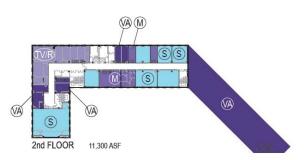
1st FLOOR

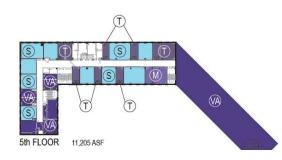
11.430 ASF













Academic Schools

Business

Economics



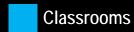
VA = Visual Arts (sculpture & clay move to Ingersoll Hall)

T = Theater (moves from Roosevelt)

M = Music (moves from Roosevelt)

TV/R = Television & Radio (expands)

F = Film (moves from WEB)

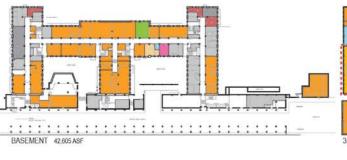


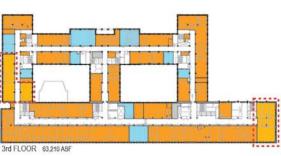
Support

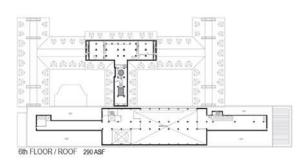
Student Activities, Library, Dining Services

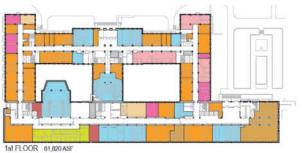
Campus Services

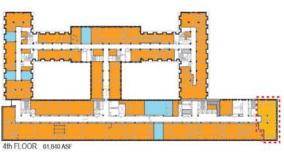
Existing Ingersoll Complex

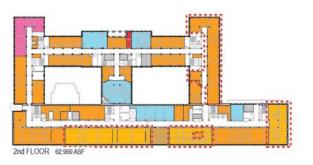


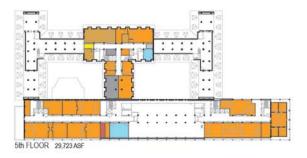


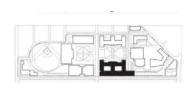




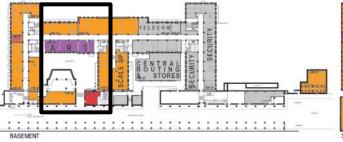


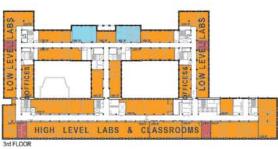


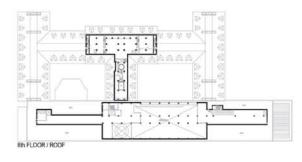


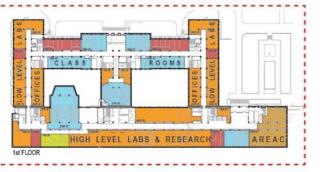


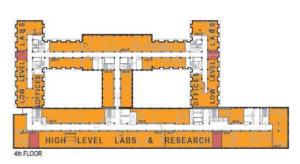
Proposed Ingersoll Complex



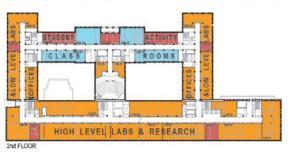


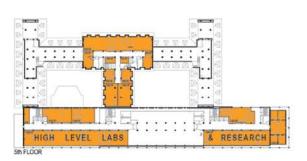


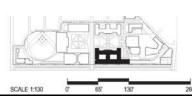






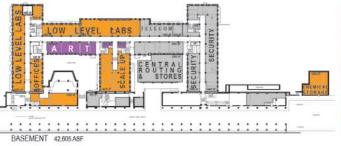


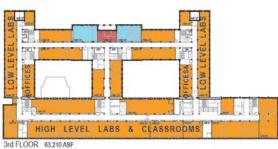


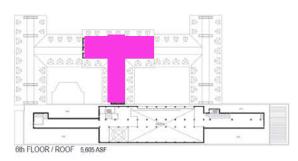


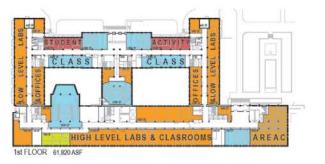


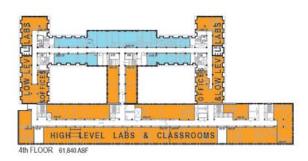
Proposed Ingersoll Complex

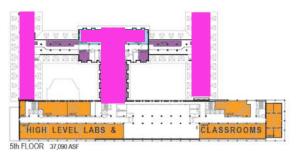


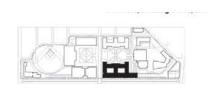












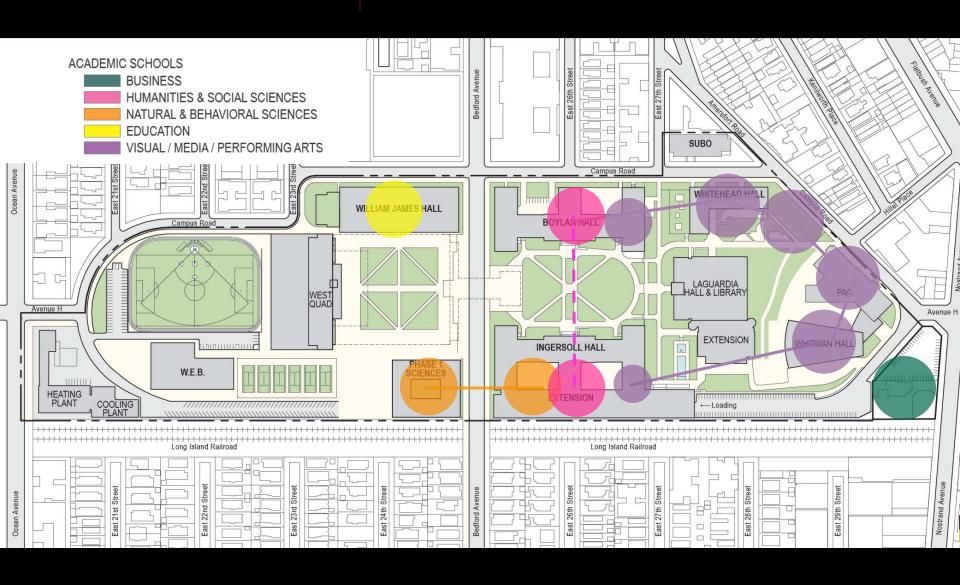




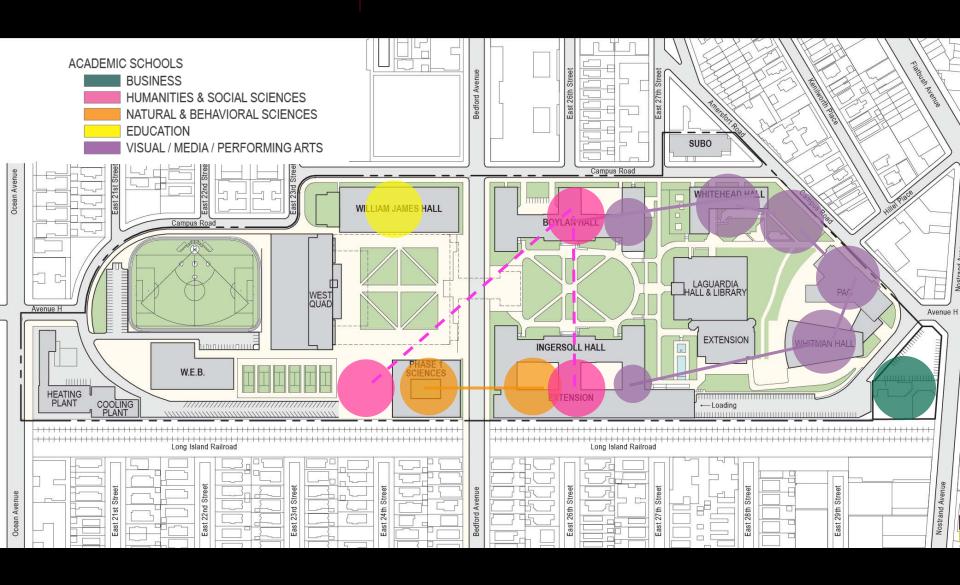
Graduate Cinema Program

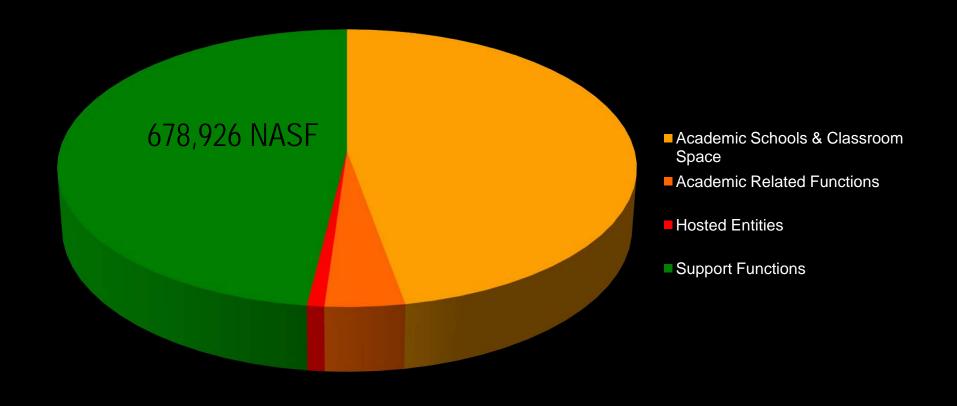
- Brooklyn College Faculty Council approved three graduate cinema programs proposed by the Department of Film
- CUNY and College exploring design options and relative costs associated with housing programs at Steiner Studios
- Programs include:
 - M.F.A. program in Cinema Arts
 - M.S. program in Entertainment Industry Management
 - M.A. program in Cinema Studies

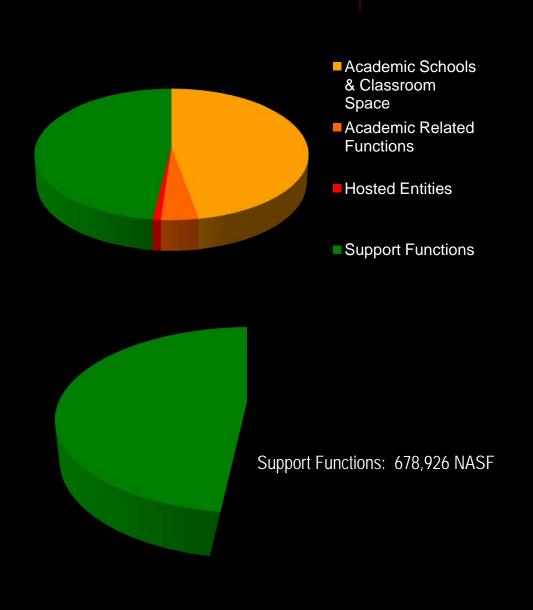
Bringing it All Together



Bringing it All Together

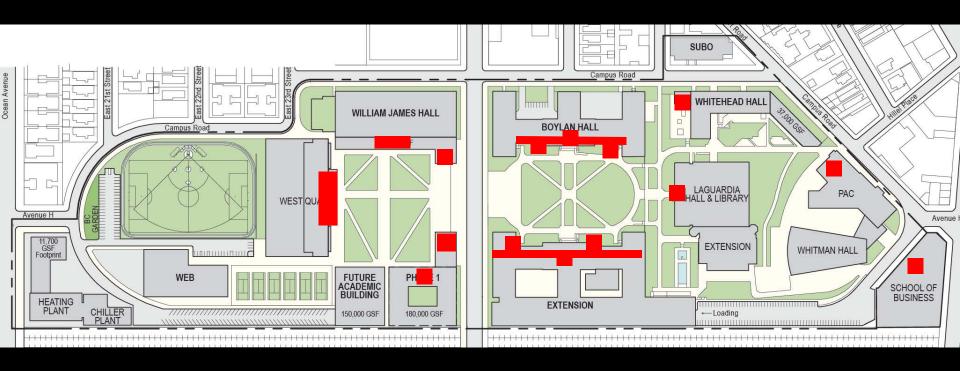






Total Support Functions: 678,926 NASF

- A. Little or No Change
 - Library
 - Athletics, Physical Education & Recreation
- B. Slight Increase
 - Grant Funded Programs
 - Technology
 - Assembly & Exhibition (new gallery)
 - Child Care
- C. Significant Increase
 - Student & Faculty Activities
 - Student Services
 - Administrative Services
 - Campus Services

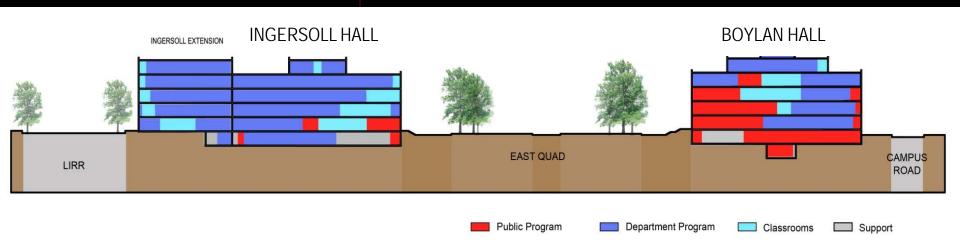




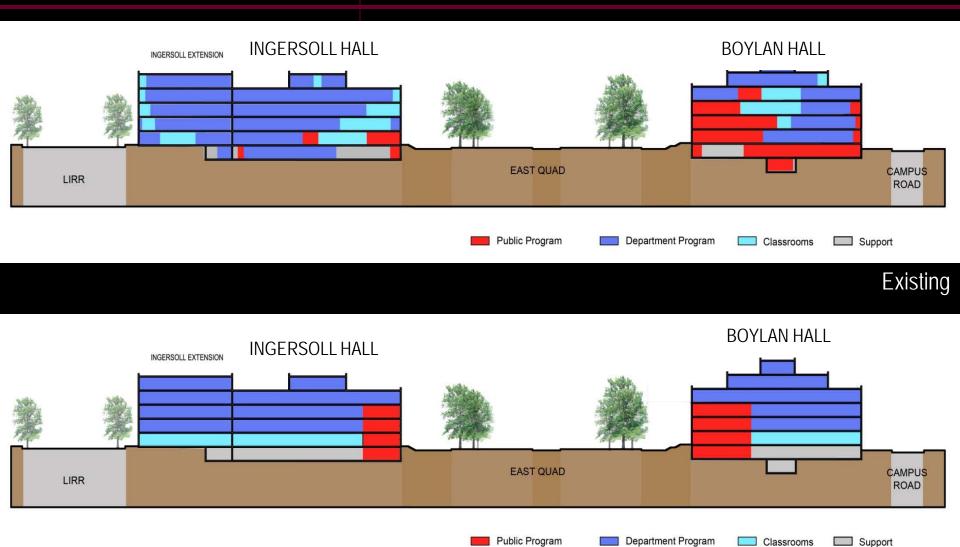




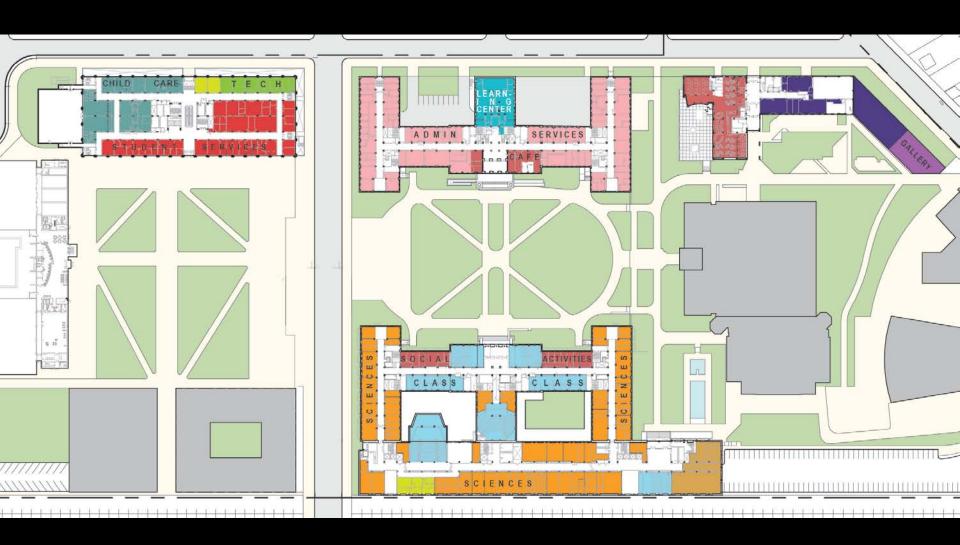




Existing

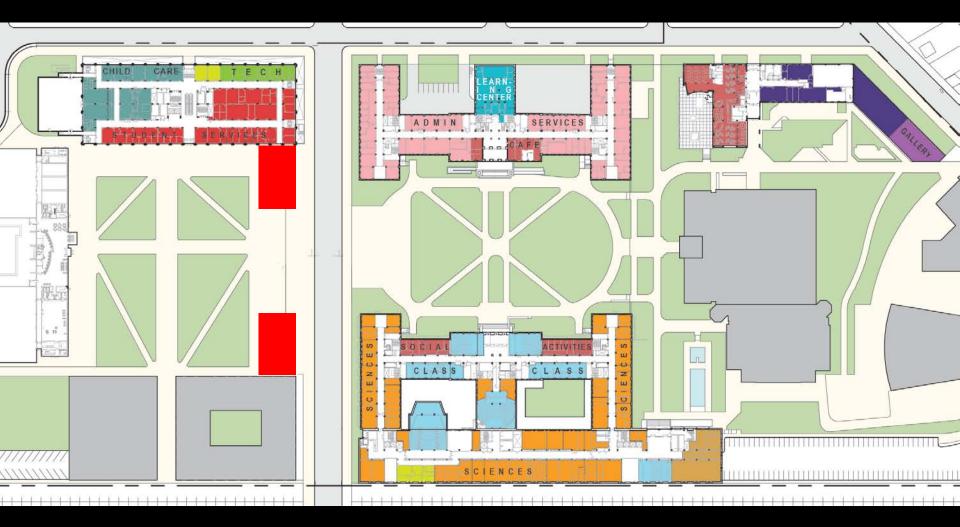


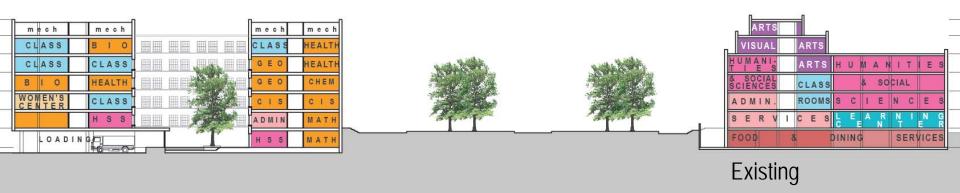
Proposed

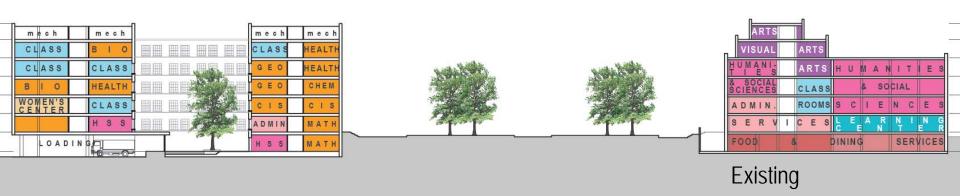


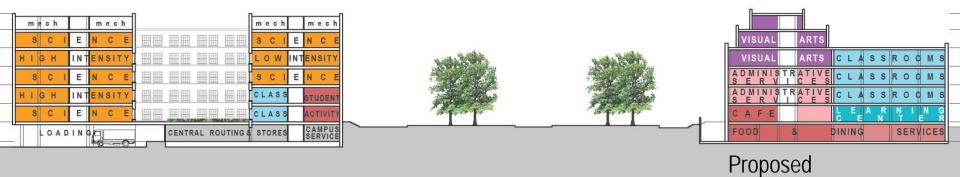
Strategy 3: Use Programs and Activities to Activate the Quad

Partially Enclose the West Quad with Student Activity Spaces





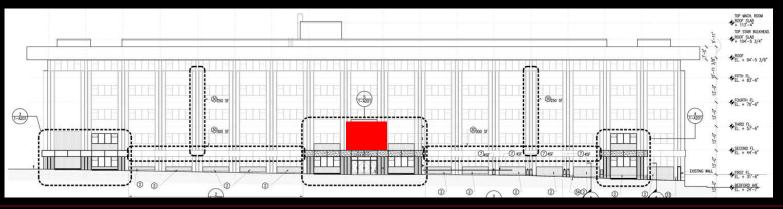




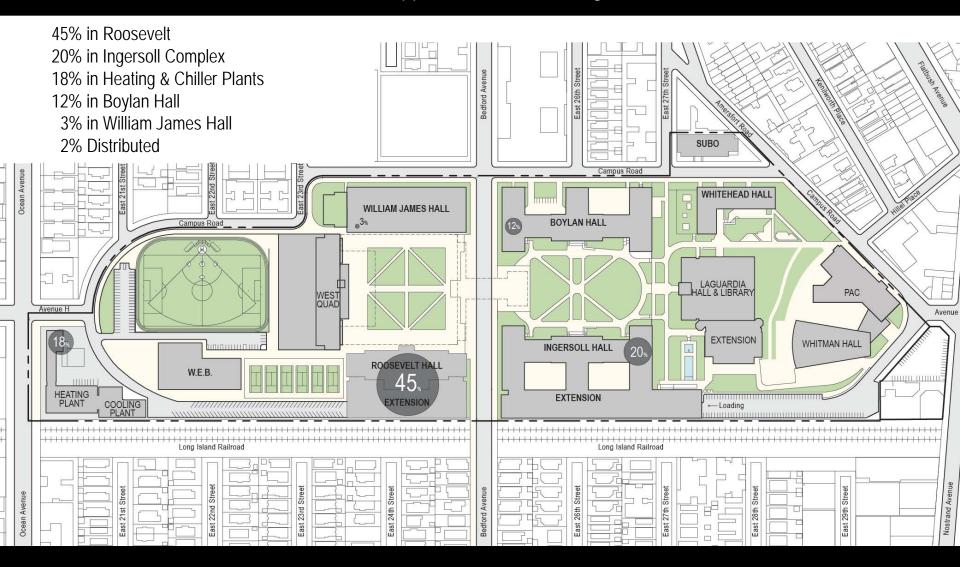


Immediate Improvements: Lounge in James Hall





Support for Schools, Programs, Services



Support for Schools, Programs, Services

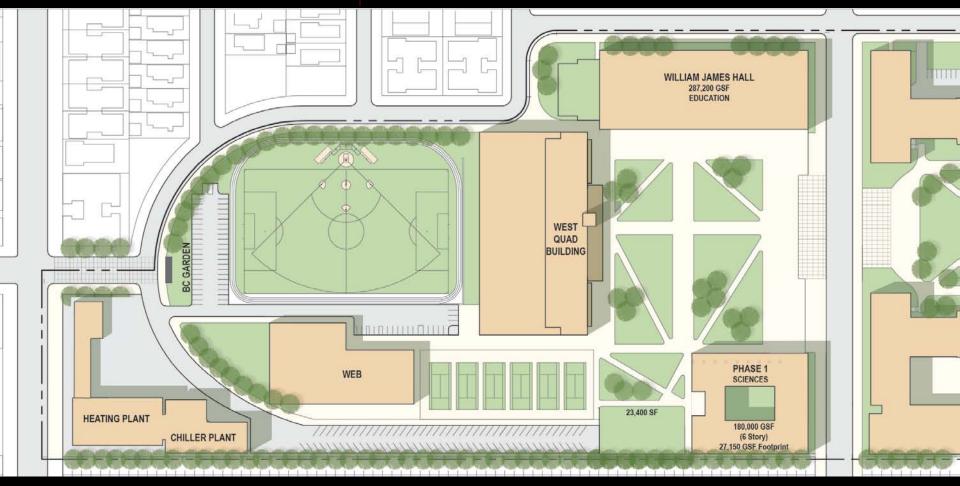


Strategy 5: Reinforce the West Quad



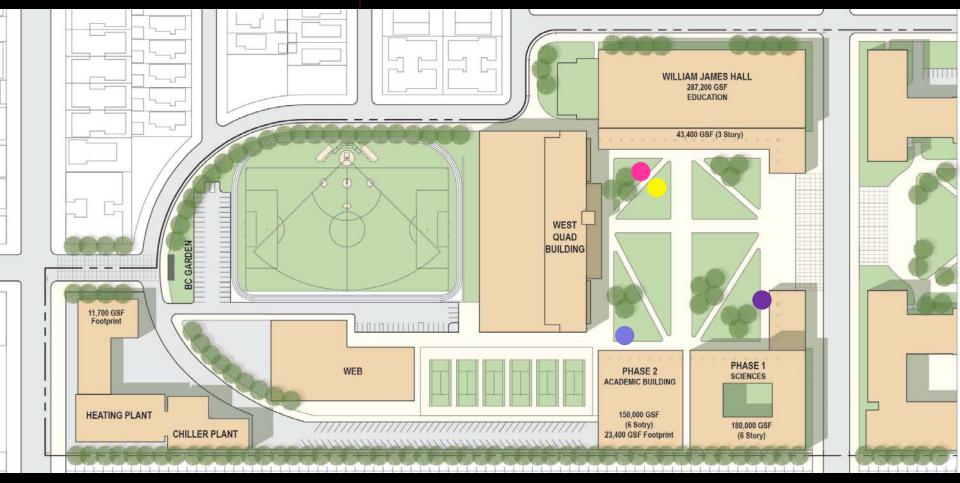
Existing West Quad

Strategy 5: Reinforce the West Quad



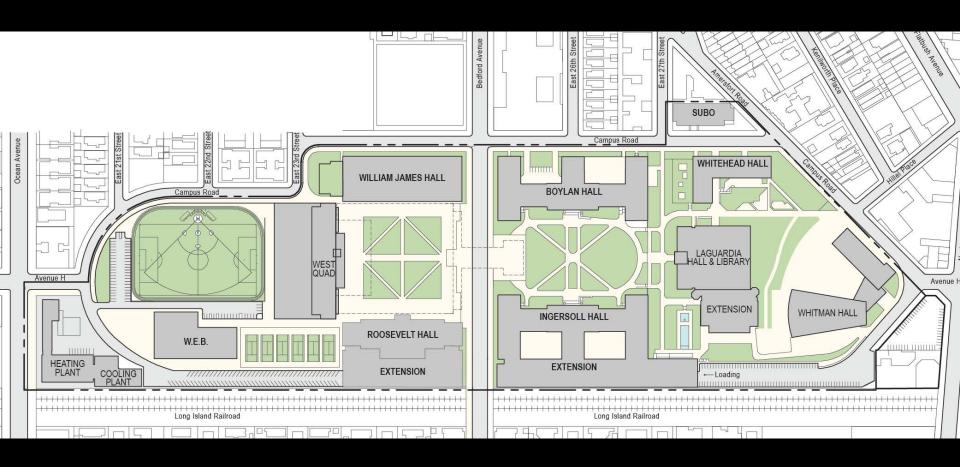
Phase 1 with Phase 1 Sciences Building and Landscape

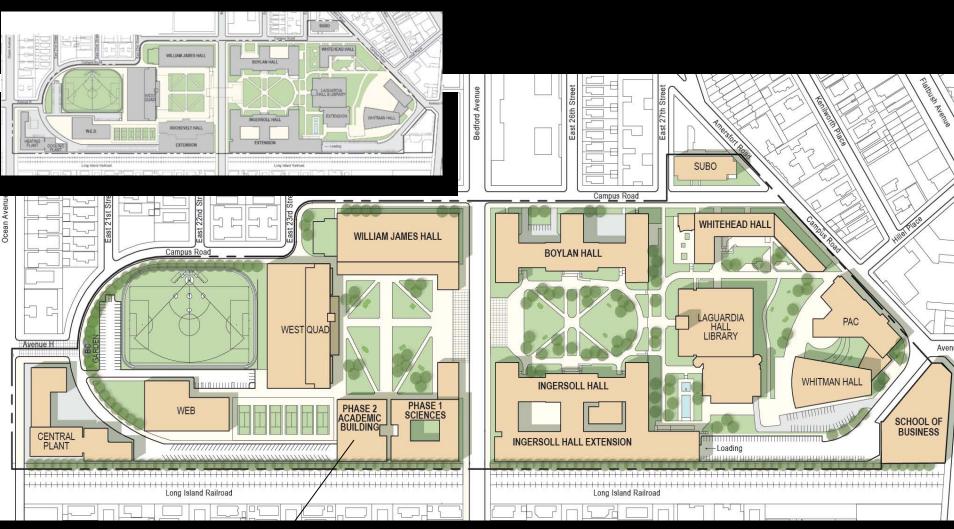
Strategy 5: Reinforce the West Quad



Ultimate Build-Out

- Construct Natural & Behavioral Phase 1 Sciences
- Construct New Mixed Use Building
- Expand James Hall
- Reshape open space of West Quad/introduce sculpture
- Expand Facilities/Campus Services
- Improve entry at Avenue H





Options could include academic, student union, residence hall





- (BC WebCentral Portal
- (F) Support Brooklyn College

Next Steps

- Receive input from Town Hall Forum
- Post master plan facilities update on website for review and comment
- Finalize costs for implementation
- Develop phasing plan recommending incremental improvements
- Final meetings/presentations to Working Committee and Steering Committee for final review
- Presentation to CUNY Board of Trustees on June 6th for review and approval

division strives to create opportunities for dialogue, cooperation, and community action among a divers