State University Construction Fund
Binghamton University
Facilities Master Plan

Open Forum Session

December 8, 2010, 5:30pm
University Union Mandela Room
INTRODUCTION /10min
PRESENTATION /30min
Q&A /30min
CLOSING /10min
INTRODUCTION
PRESENTATION

1. Project Intent and Process
2. Existing BU Facilities and Conditions
3. Growth of BU to 2023
4. Project Drivers and Planning Principles
1. Project Intent and Process
2. Existing BU Facilities and Conditions
3. Growth of BU to 2023
4. Project Drivers and Planning Principles
Future construction projects that support the academic mission

Inform future construction funding requests

Fundamentally the process is about maximizing the value of limited resources
A DEMANDING TIME FOR HIGHER EDUCATION

- **Competition** for students and resources
- **Technological advances**
- **International fiscal downturn**
- **Demographic downturn** of high school graduates
- **Leadership transitions**, demanding a flexible plan
<table>
<thead>
<tr>
<th></th>
<th>PROJECT INTENT AND PROCESS</th>
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<tbody>
<tr>
<td><strong>1. Campus Profile</strong></td>
<td>Gather background information about the campus.</td>
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<tr>
<td>January – April 2010</td>
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<tr>
<td><strong>2. Conditions Assessment</strong></td>
<td>Understand existing conditions, opportunities, and constraints; identify issues and considerations to inform current and future uses.</td>
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<td>January – July 2010</td>
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<td><strong>3. Analysis of Space Needs</strong></td>
<td>Identify current and future utilization, capacity, and space needs of campus facilities and programs based on institutional mission and academic direction.</td>
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<td>March 2010 – January 2011</td>
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<td><strong>4. Concept Alternatives</strong></td>
<td>Propose facility development alternatives: “How do we get there from here?”</td>
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<td>September 2010 – February 2011</td>
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<td><strong>5. Final Recommendations</strong></td>
<td>Provide a plan to prioritize and sequence future capital projects and identify capital funding requirements that support mission.</td>
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<td>February – March 2011</td>
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<td><strong>6. Report Realignment</strong></td>
<td>Assist in reconciling this FMP with those from around the State.</td>
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<td>April 2011</td>
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BINGHAMTON UNIVERSITY’S FMP

- Define the **required campus environment** to realize strategic mission and academic goals
- Create an **implementable roadmap** to guide campus development over two capital funding periods: 2013-2018 and 2018-2023
CONSULTANT APPROACH TO PLANNING  
Planning Drivers

- Enrollment projections
- Space needs

MASTER PLAN SOLUTION

- Funding
- Campus facilities
CONSULTANT APPROACH TO PLANNING  Subsequent Pass

PROJECT INTENT AND PROCESS

BINGHAMTON UNIVERSITY FACILITIES MASTER PLAN
OPEN FORUM SESSION, 8 DECEMBER 2010
CONSULTANT APPROACH TO PLANNING

Project Matrix Roadmap

**Short Term**
- Demolish Classroom Building
- Upgrade 7 existing Classrooms in AC for Computer Labs
- Re-distribute Classroom scheduling in AC/SC/HPE
- New Class & Comp Labs created in Academic Village
- Renovate underutilized Biology Class Labs & Greenhouse on AC1
- Renovate vacated HP & OT/PT labs in AC1 for Biology
- Renovate Science 2 for Pharmacy Class, Labs & Department
- Relocate Health Prof & OT/PT from AC1 to Science 2
- Vacate 2 D.E. from Classroom 1
- Vacate Hall Start from Classroom 1
- Continue Ed to access AC classrooms in evening
- Renovate MPEC exercise rooms
- New Conference Facility / Dining / Lounges in Academic Village
- Expand Bookseller Student Life & Clubs in AVCC
- Admissions, Career, Center for, Financial Aid, Student Affairs relocated to AVCC
- Men’s / Women’s Clubs, CEIL, SRO, Scholarships relocated to AVCC
- Expand Campus Sca in vacated AcadCore TFD
- Beaver Rd Site?
- IT/Media Sca & Physical Plant west campus in AVCC
- Street edge tblc improvements

**Intermediate Term**
- Technology upgrades for Classrooms in AC
- Renovate vacated AC2 space for English, Math, Physics Labs
- Renovate vacated AC3 space for Chemistry, History, For Lang
- Renovate vacated AC4 space for Biology office
- Renovate vacated SBDC in SCI-1 for Health Professions
- Renovate SBDC in SCI-1 for Social Work/Science
- Relocate CLIP in SCI 1 for retaining Social Wk / Science
- Relocate AC1 E wing for Library, student Info Commons
- Renovate vacated AC1 E wing for Library, student Info Commons
- Renovate vacated SCI-1 SBDC for Social Work / Science
- Relocate outdoor back to MPE fields
- Library / Commons site improvements
- Relocate tennis & handball to Site 9
- New softball/baseball Field 3r, on Site 9
- Locate FDA collaboration office in new SDP
- Supplement student lounge / study space in SDP
- Supplement student lounge / study space in AC Extension
- Develop Incubator Partnership Zone at West Campus
- Develop Incubator Partnership Zone at West Campus
- Supplement student lounge / study space in SDP
- Supplement student lounge / study space in AC Extension
- Develop Incubator Partnership Zone at West Campus

**Long Term**
- Co-rate classroom occupancy / capacity
- Re-assess standards
- Additional Class & Computer Labs in School of Pharmacy
- New Biology Labs & Perf. & Fine Arts Labs
- Additional Class & Computer Labs in AC Extension
- New Biology Labs & Perf. & Fine Arts Labs
- Develop Incubator Partnership Zone at West Campus
- Develop Incubator Partnership Zone at West Campus
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**PROJECT INTENT AND PROCESS**

BINGHAMTON UNIVERSITY FACILITIES MASTER PLAN
OPEN FORUM SESSION, 8 DECEMBER 2010
# Consultant Approach to Planning

## Project Matrix Roadmap

<table>
<thead>
<tr>
<th>Classrooms &amp; Computer Labs</th>
<th>Harpur Fine Arts, Humanities Social Sciences, Math</th>
<th>Harpur Sciences</th>
<th>Watson Engineering</th>
<th>Professional Programs</th>
<th>Centers, Institutes, Grant Funded Programs</th>
<th>Libraries, Assembly &amp; Exhibition</th>
<th>Student Activities &amp; Services, Administration</th>
<th>Athletics, Recreation, Health &amp; Wellness Services</th>
<th>Campus Services &amp; ITS</th>
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## Project Intent and Process

**Binghamton University Facilities Master Plan**

*Open Forum Session, 8 December 2010*
1. Project Intent and Process
2. Existing BU Facilities and Conditions
3. Growth of BU to 2023
4. Project Drivers and Planning Principles
BINGHAMTON UNIVERSITY IN 2010

**EXISTING FACILITIES AND CONDITIONS**

1. Main Campus (State- and Foundation-Owned)
2. University Downtown Center (State-owned)
3. 43 Park Avenue (State-owned)
4. 426-428 Commerce Road (Foundation-owned)
5. Glendale Property forested parcel (Foundation-owned)
6. Library Annex at Conklin (Leased)
7. Art Factory (Leased)
8. CAMM at Endicott Interconnect (Use Agreement)
CAMPUS DEVELOPMENT HISTORY

Founded as Harpur College in 1961, designated as SUNY in 1965

EXISTING FACILITIES AND CONDITIONS
CAMPUS DEVELOPMENT HISTORY

EXISTING FACILITIES AND CONDITIONS

BINGHAMTON UNIVERSITY FACILITIES MASTER PLAN
OPEN FORUM SESSION, 8 DECEMBER 2010
CAMPUS DEVELOPMENT HISTORY

EXISTING FACILITIES AND CONDITIONS

BINGHAMTON UNIVERSITY FACILITIES MASTER PLAN
OPEN FORUM SESSION, 8 DECEMBER 2010
CONTRIBUTING BUILDINGS
EXISTING FACILITIES AND CONDITIONS

BINGHAMTON UNIVERSITY FACILITIES MASTER PLAN
OPEN FORUM SESSION, 8 DECEMBER 2010
VEHICULAR CIRCULATION
EXISTING FACILITIES AND CONDITIONS

BINGHAMTON UNIVERSITY FACILITIES MASTER PLAN
OPEN FORUM SESSION, 8 DECEMBER 2010

PARKING

6,950 Parking Spaces at Main Campus

130 Parking Spaces at UDC
EXISTING FACILITIES AND CONDITIONS
Development:
- Age and condition of buildings
- Existing campus use zones
- Utilities and infrastructure

Circulation:
- Pedestrian experience
- Clarification of vehicular routes
- Parking

Open Space:
- Key campus quadrangles
- Role of natural areas
- Outdoor playing fields
1. Project Intent and Process
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ENROLLMENT PROJECTIONS, UNIVERSITY-WIDE

**Total Enrollment Increase: +51%**

- **UG**: +47%
- **G**: +72%

![Enrollment Projections Graph]

GROWTH OF BU TO 2023
ENROLLMENT PROJECTIONS, MAIN CAMPUS

Total Enrollment Increase: +47%

UG: +46%
G: +51%

GROWTH OF BU TO 2023

BINGHAMTON UNIVERSITY FACILITIES MASTER PLAN
OPEN FORUM SESSION, 8 DECEMBER 2010
PROVIDING FACILITIES – PROJECT TYPES

- Maximizing the value of existing facilities investments
- Opportunity for substantive change

- Adding facilities capacity to support enrollment growth

Project types tied to distinct funding streams...

GROWTH OF BU TO 2023
NEW CONSTRUCTION NEEDS, MAIN CAMPUS

Existing:
1.7 Million
Assignable SF

120 ASF/FTE
YEAR

GROWTH OF BU TO 2023
NEW CONSTRUCTION NEEDS, MAIN CAMPUS

Existing:
1.7 Million
Assignable SF

2023 Need:
2.4 Million
Assignable SF

GROWTH OF BU TO 2023

BINGHAMTON UNIVERSITY FACILITIES MASTER PLAN
OPEN FORUM SESSION, 8 DECEMBER 2010
NEW CONSTRUCTION NEEDS, MAIN CAMPUS

Full 2023 Need:
$500M in New Construction

Main Campus FTEs:
- 2009: 14,191 FTE
- 2013: 15,423 FTE
- 2018: 17,900 FTE
- 2023: 21,273 FTE

Facilities ASF/FTE:
- 2009: 136 ASF/FTE
- 2013: 177 ASF/FTE
- 2018: 177 ASF/FTE
- 2023: 117 ASF/FTE

*New construction estimated using $450 per GSF
NEW CONSTRUCTION NEEDS, MAIN CAMPUS

Strategic Approach to Meeting Need

GROWTH OF BU TO 2023

BINGHAMTON UNIVERSITY FACILITIES MASTER PLAN
OPEN FORUM SESSION, 8 DECEMBER 2010
IMPORTANCE OF PRIORITIZATION

- Given the magnitude of need, it will be important to **make the right first moves**
- Strategy will involve **maximizing existing facilities**
- Priorities are measured against the **FMP Planning Principles**
1. Project Intent and Process
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PLANNING PRINCIPLES

UNIVERSITY DRIVERS

- BU Strategic Vision
- Key Elements & Vision
- Associated FMP Goals

RESOURCE DRIVERS

- Program Relocation
- Renovation
- New Construction

FMP Planning Principles
UNIVERSITY DRIVERS

Manifest the principles of BU’s strategic vision in the FMP:

- Educationally Exemplary
- Innovative and Adaptive
- Collaborative
- Global
- Resourceful
- Technological
RESOURCE DRIVERS

Maximize resources, including facilities, capital and time:

- Program Relocation
- Renovation
- New Construction
Development

- Retain **existing primary facilities locations at the Brain**, the Innovative Technology Center (ITC) and the University Downtown Center (UDC), with the Brain serving as the academic core.

- To **maximize utilization of existing and future facilities**, pursue development in and around the Brain.

- Pursue **strategic development** at the ITC and the UDC.

- Remain open to development at **other opportunity sites** in the community, with emphasis on sites that strengthen University partnerships.
PLANNING PRINCIPLES

Academic Facilities

- Establish the **facilities relationships** between undergraduate teaching and graduate / faculty research space.
- Align classroom and teaching lab **inventory with pedagogy**.
- Consolidate physical collections and storage, while **distributing access** and **displaying unique resources**.
- Due to specialized facilities, maintain existing precincts of Science and Fine Arts.
Support Facilities

- Compliment centralized student life spaces with distributed spaces, integrated throughout all facilities.
- Align facilities with the University’s goal to support student engagement in physical activities.
- Co-locate student support services for efficiency and improved student service.
- Enhance the visitor’s experience to welcome guests and project the spirit of BU.
- Maintain primary administration functions in the Couper Administration Building.
- Develop campus infrastructure around a model of sustainability.
Open Space and Circulation

- Clarify campus organization by reinforcing primary circulation axes and featuring the locations where they intersect.

- Maintain the Lois B. DeFleur Walkway, the Central Campus Commons and the Peace Quad as open spaces, anchored by the axes intersections.

- Increase connectivity between campus facilities to create a more walkable campus.

- Lessen pedestrian/vehicular conflicts around East Drive and West Drive.

- Project the spirit of BU at all campus entrances, highlighting Vestal Parkway as the main entrance.
NEXT STEPS

- FMP consultants are analyzing data sets to derive plan options
- BU leadership will evaluate the plan and inform solutions
- Next Open Forum re: plan solutions: **Late February**
Q+A
CLOSING