AGENDA

• 2012 Master Plan ReCap

• Cap Plan IV Update

• Cap Plan V Process
Purpose of the Campus Plan

So our short term decisions are part of a long term vision for the campus

To ensure the look, feel and function of our campus is reciprocal with our academic mission

To create a shared and supported framework which will inform our planning decisions campus wide

To create a document which can help us meet our goals, raise our aspirations, and help raise funds
The Participants

Division of Capital Asset Management

The University of Massachusetts Amherst

- Executive Oversight Committee
- Facilities and Campus Services
- Campus Planning

- Campus Master Plan Committee
- Stakeholder Groups
  - Teaching, Research and Libraries
  - Student Life
  - Administration and Support
  - Transportation, Land Use and Open Space
  - Building, Grounds and OIT

Existing Governance and Committees
- Faculty Senate
- Student Senate
- Parking Transportation Advisory Board
- Campus Physical Planning Committee
- University Public Art Committee
- Pedestrian Safety Committee

External Participants
- Neighbors
- Local Community Officials and Commissions
- Pioneer Valley Regional Plan Commission

Consultants
- Wilson Architects
- Ayers Saint Gross
- VHB
- Tighe and Bond
Process

- Inventory and Assessment
- Idea Gathering (Community Input)
- Alternative Plans (Community Feedback)
- Preferred Direction (Community Feedback)
- Draft Master Plan (Community Feedback)
- Final Master Plan Approval
Over the Past Year

• Nearly 200 Events
• Over 350 Hours
• With
  – Campus Stakeholder Groups
  – CPPC, UPAC, PTAB, Pedestrian Safety, etc.
  – Faculty Senate
  – Student Senate
  – Student Groups
  – Deans and Faculty Presentations
  – Individuals
  – Open Campus Forums
  – Student Poster Sessions
  – Professional Organizations
  – PUMA
  – Local Town Officials and Commissions
  – Local Neighbors
  – Regional Planning Agency
Web site was developed as permanent platform for web based participation process, communication and planning resources.

Over 3,500 Visits
Composite Site Analysis
Non-Buildable Difficult Zones

10 Minute Walking Radius
Evolution of the Plan

- Common Themes
- Alternatives
- Preferred Direction
Common Themes

• Build a beautiful pedestrian friendly campus
  – Remove vehicular barriers
  – Expand the super block
  – Plant trees
  – Build more WOW’s and small spaces
  – Remove surface parking from within the loop
  – Create a strong positive visual character

• Add and upgrade facilities
  – Additional Classrooms
  – Additional Beds
  – Larger/New Student Union
  – Wellness and Health Center
  – Swimming Pool
  – Admissions Center
  – Laboratories
  – Find uses and renovate historic structures
  – Infrastructure to support excellence
Common Themes Continued

• Develop a mixed use campus 24/7/365
  − Academic uses in the loop with campus life
  − Add more housing in the loop
  − Remove non-essential uses from within loop

• Tours started at new admissions center
  − Within the Massachusetts Ave. corridor

• Connections to host communities and region
  − Different alternatives for public –private ventures
  − Connection to downtown Amherst
  − Make the campus welcoming and accessible
Common Themes Continued

• Demonstrate New England Sustainability
  - Wind Turbines
  - Solar Panels
  - Local Farming
  - Shuttle Buses

• Students choose to come to UMass
  - A great value
  - Quality education
  - Diversity of experience
  - Many neighborhoods, one city
  - They are able to start a career
  - Proud to be at the Flagship
  - “the world opened up…”
Alternative Concepts

spines & views
courts
Complete streets
The Plan

- Guiding Principles
- “Creating Campus”
- Capacity Program
- Vision Program
Guiding Principles

1. Understand the Long-Term Growth Potential

2. Build a series of systems as the framework for growth
   - Build an open space framework
   - Create a clear vehicular and pedestrian circulation system
   - Develop an active mixed-use campus core

3. Create growth opportunities and flexibility for the future

4. Respect planning and building heritage

5. Sustainability – Live it, Learn it, Lead it

6. Embrace Community Connectivity
Creating Campus

- Open Space
- Pedestrian Circulation
- Bike Ways
- Roadways
- Land Use
- Utilities
Pedestrian Spines

Existing

Proposed
Bikeways

Existing
Roadways

Existing
Roadways

Existing

Proposed
Key to Success
Community Engagement!

- Inventory and Assessment
- Idea Gathering (Community Input)
- Alternative Plans (Community Feedback)
- Preferred Direction (Community Feedback)
- Draft Master Plan (Community Feedback)
- Final Master Plan Approval
People like good outdoor spaces with nice plantings and views.

People like the views from the campus core.
People comment on tired old buildings that need to be demolished and replaced.

People don’t like cars where only pedestrians should be and there are complaints about dangerous crosswalks and intersections.
Why is it important?

Having a strategic plan of long-term growth and development is crucial for any successful organization.

The Master Plan outlines major phases of long term development of our Campus, which will sustain and support the University's mission.
Master Plan Story Map

Research and Education Greenhouses

Completed 2011 - 16,085 gsf. Features sophisticated automated systems to control natural and artificial lighting, temperature, humidity, irrigation and fertilization. The control system can also adapt the interior environment to the sun, wind and weather. The facility has two research labs, a wet/dry classroom for botany instruction and a core facility for seed germination.
ACADEMIC
1. Agricultural Learning Laboratory
2. Bartlett Replacement Space (61,400 gsf)
3. Hadley Farms Solar Testing Facility
4. Hills Replacement Space (49,700 gsf)
5. Isenberg School of Management Addition
6. Life Sciences (NLSB Phase 3) (148,000 gsf)
7. New Academic/Student Life Building (55,000 gsf)
8. New Building Bartlett Site (64,900 gsf)
9. New Physical Sciences Building (350,000 gsf)
10. Tillson Farm Structural Testing Facility
11. SPH&HS Totman Addition (15,500 gsf)

CAMPUS LIFE
1. Student Union Addition/Hampden Renovations
2. Disk Golf Course
3. University Health Services Facility

SUPPORT
1. Football Training Facility (38,400 gsf)
2. Stadium Press Box (8,700 gsf)
3. Champions Center (49,500 gsf)
4. Complete Streets Program Improvement
5. Hicks Pedestrian/Service Way
6. Electrical Substation
7. Material Handling Facility
8. Stockbridge Pedestrian Corridor
9. Pilot Solar Array Installation
10. CHP Addition
11. West Lawn Improvement
12. Relocated PVTA Training Facility
13. Parking Structure (670 Spaces)
14. Parking Lot (280 Spaces)
ACADEMIC
1. Agricultural Learning Laboratory
2. Bartlett Replacement Space (61,400 gsf)
3. Hadley Farms Solar Testing Facility
4. Hills Replacement Space (49,700 gsf)
5. Isenberg School of Management Addition
6. Life Sciences (NLSB Phase 3) (148,000 gsf)
7. New Academic/Student Life Building (55,000 gsf)
8. New Building Bartlett Site (64,900 gsf)
9. New Physical Sciences Building (350,000 gsf)
10. Tillson Farm Structural Testing Facility
11. SPH&HS Totman Addition (15,500 gsf)

CAMPUS LIFE
1. Student Union Addition/Hampden Renovations
2. Disk Golf Course
3. University Health Services Facility

SUPPORT
1. Football Training Facility (38,400 gsf)
2. Stadium Press Box (8,700 gsf)
3. Champions Center (49,500 gsf)
4. Complete Streets Program Improvement
5. Hicks Pedestrian/Service Way
6. Electrical Substation
7. Material Handling Facility
8. Stockbridge Pedestrian Corridor
9. Pilot Solar Array Installation
10. CHP Addition
11. West Lawn Improvement
12. Relocated PVTA Training Facility
13. Parking Structure (670 Spaces)
14. Parking Lot (280 Spaces)
ACADEMIC
1. Agricultural Learning Laboratory
2. Bartlett Replacement Space (61,400 gsf)
3. Hadley Farms Solar Testing Facility
4. Hills Replacement Space (49,700 gsf)
5. Isenberg School of Management Addition
6. Life Sciences (NLSB Phase 3) (148,000 gsf)
7. New Academic/Student Life Building (55,000 gsf)
8. New Building Bartlett Site (64,900 gsf)
9. New Physical Sciences Building (350,000 gsf)
10. Tillson Farm Structural Testing Facility
11. SPH&HS Totman Addition (15,500 gsf)

CAMPUS LIFE
1. Student Union Addition/Hampden Renovations
2. Disk Golf Course
3. University Health Services Facility

SUPPORT
1. Football Training Facility (38,400 gsf)
2. Stadium Press Box (8,700 gsf)
3. Champions Center (49,500 gsf)
4. Complete Streets Program Improvement
5. Hicks Pedestrian/Service Way
6. Electrical Substation
7. Material Handling Facility
8. Stockbridge Pedestrian Corridor
9. Pilot Solar Array Installation
10. CHP Addition
11. West Lawn Improvement
12. Relocated PVTA Training Facility
13. Parking Structure (670 Spaces)
14. Parking Lot (280 Spaces)
ACADEMIC
1. Agricultural Learning Laboratory
2. Bartlett Replacement Space (61,400 gsf)
3. Hadley Farms Solar Testing Facility
4. Hills Replacement Space (49,700 gsf)
5. Isenberg School of Management Addition
6. Life Sciences (NLSB Phase 3) (148,000 gsf)
7. New Academic/Student Life Building (55,000 gsf)
8. New Building Bartlett Site (64,900 gsf)
9. New Physical Sciences Building (350,000 gsf)
10. Tillson Farm Structural Testing Facility
11. SPH&HS Totman Addition (15,500 gsf)

CAMPUS LIFE
1. Student Union Addition/Hampden Renovations
2. Disk Golf Course
3. University Health Services Facility

SUPPORT
1. Football Training Facility (38,400 gsf)
2. Stadium Press Box (8,700 gsf)
3. Champions Center (49,500 gsf)
4. Complete Streets Program Improvement
5. Hicks Pedestrian/Service Way
6. Electrical Substation
7. Material Handling Facility
8. Stockbridge Pedestrian Corridor
9. Pilot Solar Array Installation
10. CHP Addition
11. West Lawn Improvement
12. Relocated PVTA Training Facility
13. Parking Structure (670 Spaces)
14. Parking Lot (280 Spaces)
ACADEMIC
1. Furcolo Hall Renovation
2. Robert B. Brack Structure Testing Facility
3. Paige Laboratory Renovations

CAMPUS LIFE
4. Gladchuck Sports Complex
5. Lincoln Campus Center Renovations Phase I & II
6. Worcester Commons
7. Richard F. Garber Field Resurfacing

SUPPORT
8. Old Chapel Restoration
9. North & ISB Chiller Plant
10. Central Core Utilities
ACADEMIC

1. Furcolo Hall Renovation
2. Robert B. Brack Structure Testing Facility
3. Paige Laboratory Renovations

CAMPUS LIFE

4. Gladchuck Sports Complex
5. Lincoln Campus Center Renovations Phase I & II
6. Worcester Commons
7. Richard F. Garber Field Resurfacing

SUPPORT

8. Old Chapel Restoration
9. North Chiller Plant
10. Central Core Utilities
## Cap Plan IV Update

<table>
<thead>
<tr>
<th>Purpose:</th>
<th>Uses:</th>
<th>Phase I (Priorities &amp; Funding Identified)</th>
<th>August 2019 Update</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Support</td>
<td>LSL fitout</td>
<td>$10,000,000</td>
<td>substantially completed</td>
</tr>
<tr>
<td></td>
<td>Morrill IV expansion</td>
<td>$5,800,000</td>
<td>substantially completed</td>
</tr>
<tr>
<td>Faculty hires renovations</td>
<td>Faculty renovations/new/retention</td>
<td>$15,000,000</td>
<td>ongoing pool, projects in various phases</td>
</tr>
<tr>
<td></td>
<td>LSL, PSB backfill</td>
<td>$15,000,000</td>
<td>variety of projects - e.g. math in lgrc</td>
</tr>
<tr>
<td></td>
<td>Addition backfill for Neuro, BME</td>
<td>$4,000,000</td>
<td>completed, funding added to other line items</td>
</tr>
<tr>
<td></td>
<td>Tobin</td>
<td>$5,000,000</td>
<td>studying infrastructure</td>
</tr>
<tr>
<td></td>
<td>SPHHS</td>
<td>Funded from prior plan</td>
<td>in design - 14.3M project goessmann</td>
</tr>
<tr>
<td>Program Development</td>
<td>Engineering</td>
<td>$10,000,000</td>
<td>substantially completed, lsl 6th floor south</td>
</tr>
<tr>
<td></td>
<td>Information and Computer Science</td>
<td>$15,000,000</td>
<td>several projects - ongoing work in lgrc</td>
</tr>
<tr>
<td>Specialized STEM Total</td>
<td></td>
<td>$79,800,000</td>
<td></td>
</tr>
<tr>
<td>Instruction</td>
<td>Auditorium renovations</td>
<td>$5,000,000</td>
<td>study completed, furcolo, INC work</td>
</tr>
<tr>
<td></td>
<td>Classlabs Renovations/Expansion</td>
<td>$5,000,000</td>
<td>study completed, goessmann classlabs, INC work</td>
</tr>
<tr>
<td>Instruction Total</td>
<td></td>
<td>$10,000,000</td>
<td></td>
</tr>
</tbody>
</table>
# Cap Plan IV Update

<table>
<thead>
<tr>
<th>Student Experience</th>
<th>Phase I (Priorities &amp; Funding identified)</th>
<th>August 2019 Update</th>
</tr>
</thead>
<tbody>
<tr>
<td>Athletics &amp; Recreation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>McGuirk repairs/accessibility</td>
<td>$1,000,000</td>
<td>completed paving and other accessibility</td>
</tr>
<tr>
<td>McGuirk seasonal bubble</td>
<td>$10,000,000</td>
<td>substantially completed;</td>
</tr>
<tr>
<td>Mullins scoreboard</td>
<td>$1,500,000</td>
<td>includes garber/mcguirk video boards, restrooms</td>
</tr>
<tr>
<td>Turf fields</td>
<td>$2,000,000</td>
<td>completed</td>
</tr>
<tr>
<td>Du Bois adaptive reuse</td>
<td>$5,000,000</td>
<td>completed, additional funding from student fee</td>
</tr>
<tr>
<td>Student Union/Hatch</td>
<td>$25,000,000</td>
<td>various small projects</td>
</tr>
<tr>
<td>Goodell adaptive reuse</td>
<td>$35,000,000</td>
<td>in construction, additional funds from student fee</td>
</tr>
<tr>
<td>Makerspace (other than FAC)</td>
<td>$3,000,000</td>
<td>design</td>
</tr>
<tr>
<td>Property acquisition/renovation</td>
<td>$10,000,000</td>
<td>invested in pop up locations in ag engineering</td>
</tr>
<tr>
<td>Fitout/Backfill/Reno</td>
<td></td>
<td>available for acquisitions as they arise</td>
</tr>
<tr>
<td>CMASS/Diversity</td>
<td></td>
<td>some investment in day care center and SACL areas</td>
</tr>
<tr>
<td>Student Experience Total</td>
<td>$93,500,000</td>
<td></td>
</tr>
<tr>
<td>Office/Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fitout/Backfill/Reno</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Machmer/Thompson SBS renovations</td>
<td>$3,000,000</td>
<td>renovations for lab move from stockbridge</td>
</tr>
<tr>
<td>Flint backfill from Isenberg addition</td>
<td>$2,000,000</td>
<td>completed various projects in thompson (lobby)</td>
</tr>
<tr>
<td>Office and Other Total</td>
<td>$5,000,000</td>
<td></td>
</tr>
</tbody>
</table>
## Cap Plan IV Update

<table>
<thead>
<tr>
<th>Infrastructure</th>
<th>Phase I (Priorities &amp; Funding)</th>
<th>2018-22</th>
<th>August 2019 Update</th>
</tr>
</thead>
<tbody>
<tr>
<td>Athletics &amp; Recreation</td>
<td>Swimming Pools DM (Close Totman)</td>
<td>$ 500,000</td>
<td>Totman offline, studying priority work in others</td>
</tr>
<tr>
<td>Health &amp; Safety infrastructure</td>
<td>UMPD radio</td>
<td>$ 2,000,000</td>
<td>complete</td>
</tr>
<tr>
<td></td>
<td>Increase accessibility pool</td>
<td>$ 2,500,000</td>
<td>funding to support accessibility aspects of projects</td>
</tr>
<tr>
<td>Demo &amp; Related</td>
<td>CCHP relocation</td>
<td>$ 2,000,000</td>
<td>complete</td>
</tr>
<tr>
<td></td>
<td>Hills Demo</td>
<td>$ 3,000,000</td>
<td>complete</td>
</tr>
<tr>
<td></td>
<td>Relocate Horse Barn (gifts offset)</td>
<td>$ 2,000,000</td>
<td>complete</td>
</tr>
<tr>
<td>DM/Infrastructure</td>
<td>DM Pool</td>
<td>$ 5,000,000</td>
<td>allocated to highest priorities</td>
</tr>
<tr>
<td>Elevator DM</td>
<td>Marston, morrill</td>
<td>$ 3,000,000</td>
<td>construction</td>
</tr>
<tr>
<td>Lederle adaptive reuse</td>
<td>Lederle fire alarm</td>
<td>$ 3,000,000</td>
<td>complete</td>
</tr>
<tr>
<td>Morrill adaptive reuse</td>
<td>Morrill elevators</td>
<td>$ 2,000,000</td>
<td>construction</td>
</tr>
<tr>
<td>Roofs</td>
<td>Conte, Mullins</td>
<td>$ 4,500,000</td>
<td>complete</td>
</tr>
<tr>
<td>Utilities</td>
<td>CHP-Spare Bay Fitout (e+ loan required)</td>
<td>$ -</td>
<td>design, strong economic payback so no cost listed</td>
</tr>
<tr>
<td></td>
<td>North Infrastructure ductbank (e+)</td>
<td>$ -</td>
<td>part of central core work</td>
</tr>
<tr>
<td></td>
<td>Hasbrouck Steamline/Stairs</td>
<td>$ 7,000,000</td>
<td>complete</td>
</tr>
<tr>
<td></td>
<td>Campus Center lateral streamline</td>
<td>$ 1,000,000</td>
<td>part of central core work</td>
</tr>
<tr>
<td></td>
<td>Other - utilities replacements</td>
<td>$ 5,000,000</td>
<td>allocated to highest priorities</td>
</tr>
<tr>
<td><strong>Infrastructure Total</strong></td>
<td></td>
<td>$ 42,500,000</td>
<td></td>
</tr>
</tbody>
</table>

*Note: Totman offline, studying priority work in others is an update for the August 2019 Update.*
## Cap Plan IV Update

<table>
<thead>
<tr>
<th>Look &amp; Feel</th>
<th>Phase I 2018-22 (Priorities &amp; Funding Identified)</th>
<th>August 2019 Update</th>
</tr>
</thead>
<tbody>
<tr>
<td>Landscape/infrastructure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waterproofing/Campus Core/streamline</td>
<td>$12,000,000</td>
<td>funding central core project</td>
</tr>
<tr>
<td>Sidewalks/roads/look &amp; feel etc.</td>
<td>$5,000,000</td>
<td>paving projects last summer and this summer</td>
</tr>
<tr>
<td>Pond dredge</td>
<td>$2,000,000</td>
<td>long permitting process begun</td>
</tr>
<tr>
<td><strong>Look and Feel Total</strong></td>
<td><strong>$19,000,000</strong></td>
<td></td>
</tr>
</tbody>
</table>

*Note: August 2019 Update provides updates on the implementation status of the projects.*
Cap Plan V Process

Capital Planning Inputs

Please submit any proposed projects / needs that might be considered when planning major capital projects for the next 3-5 years. The scope of these projects should be larger than what can be handled with the annual renovation pool (i.e., $1M and larger).

At this stage, we are only gathering ideas. The available amounts of funds for the next capital plan are unknown.

Submission deadline: April 30, 2020
* Required

Email address *

Your email

Administrative Unit/College/School *

Choose

Building(s) (if applicable)

Your answer

Proposed project (600 characters max) *

Your answer