UMass Boston Project Updates

Campus Construction Lunch and Learn
April 25, 2012
25-Year Master Plan Framework
UMass Boston Updates

- Major Projects
  - Integrated Sciences Complex
  - General Academic Building No. 1
  - Utility Corridor and Roadway Relocation
- EMK Institute
- Boston City Scholarship Program
- Calf Pasture Pumping Station
- HarborWalk Improvements and Shoreline Stabilization
- Clark Gym Floor and Seating Replacement
- Public Address System
- Bayside Property
Integrated Sciences Complex
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### Construction Timeline

<table>
<thead>
<tr>
<th>Month</th>
<th>Activities</th>
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<tbody>
<tr>
<td>June ‘11</td>
<td>• Broke ground</td>
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<tr>
<td>Summer ’11</td>
<td>• Cleared site and drove 320 piles</td>
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<td>Summer - Fall ‘11</td>
<td>• Placed foundation (grade beams, pile caps and base slab)</td>
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<td>Winter’11-Spring’12</td>
<td>• Erected structural steel, installed metal deck, concrete slabs and fireproofing</td>
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<tr>
<td>Spring - Fall ‘12</td>
<td>• Construct building envelope/exterior, begin installation mechanical, electrical and plumbing systems</td>
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<td>Fall’12 - Fall’13</td>
<td>• Complete lab systems and interior finishes</td>
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General Academic Building No. 1

- Programming phase is complete. Primarily classrooms and specialized instructional spaces such as chemistry teaching labs, theater, recital hall, and dance studio
- Also faculty offices, café and student study spaces

- Groundbreaking anticipated this fall
Utility Corridor and Roadway Relocation Project

BEFORE

• Substructure closed for parking and general use in July 2006 due to deteriorated conditions
• Master Plan calls for the deconstruction of the Substructure and the Science Center creating a central, at grade, campus quadrangle and necessitating the relocation of utility lines from inside the Substructure to a new utility corridor
• Reliable and redundant utility systems located in a new corridor around campus maximizes optimal flexibility for future growth
• Comprehensive design for campus circulation – people, bikes, buses, trucks, emergency vehicles and cars
• Unified landscape design around the utility corridor and roadways
• Phased implementation that minimizes impact to campus operations and is most cost efficient

AFTER
UMass Boston Utilities

Salt Water Pump House

Utility Plant

Switchgear Building

Existing

Cutover June 2012
Utility Corridor and Roadway Relocation Project
Cross-section of Above and Below Grade Work
Utility Corridor and Roadway Relocation Project

- Construction Manager, Bond Brothers, has been hired and construction phasing and timeline will be developed as designs are confirmed.
- Currently developing designs for placement of University Drive North A roadway and University Drive West roadway.
- To place University Drive North A, we are studying options for accommodating UMass Boston, JFK, EMK, and Archives utilities underground as well as space for the road, sidewalks, bike lanes and landscaping aboveground.
- To place University Drive West roadway, we are studying options for the placement of the future parking garage.

Option 1: 4 Bay Garage (300’ x 240’)

Option 2: 2 Bay Garage (120’ x 420’)

Edward M. Kennedy Institute for the U.S. Senate
Areas of Learning

- Replica of Senator Kennedy’s Office
- Exhibit Hall
- Media Lab
- Senate Chamber
- Representation
- Studios (3)

40,000 SF of space for learning

Edward M. Kennedy Institute for the U.S. Senate
Boston City Scholarship Program

• Under an agreement between Boston Water and Sewer Commission and UMass Boston, the Calf Pasture Pumping Station property was transferred to the care and control of UMass Boston in December 2011 in exchange for a commitment of $2 million to fund the new Boston City Scholarship program.

• To be eligible, students must be:
  • a BPS high school graduate;
  • Admitted to UMass Boston with a 3.0 GPA or above;
  • Admitted to UMass Boston as a full-time undergraduate;
  • Accepted for the Fall semester after high school graduation;
  • A Boston city resident and Massachusetts resident.

• The scholarship provides $1000 per year, up to a total of $4000, and is renewable annually if the student maintains a GPA of 3.0 or above and attends UMass Boston full-time continuously for three more years.
Calf Pasture Pumping Station

• The building and property is being secured with windows being boarded up, new fencing installed and debris and unkempt shrubbery removed.

• The obsolete electrical transformers (below left) were removed from the building.
Calf Pasture Pumping Station

• Future efforts will include weatherproofing the building and cleaning out the interior
HarborWalk Improvements and Shoreline Stabilization

- Project will stabilize northern shoreline and will replace existing pathway with new walkway linking it to the JFK and DCR portions of HarborWalk.

- The designer, Bourne Consulting Engineering, was selected in December 2011. The design phase is underway.

- Site research continues. Soil test pits will be done this Spring. Signs will be posted.

- Amenities including seating, lighting, and interpretative signage will be added.

- Community will be updated regularly.

- Construction anticipated to begin in Fall 2012.
HarborWalk Improvements and Shoreline Stabilization

• Coordination with regulatory authorities about the shoreline’s resource areas and protection of those resources is key to the design
HarborWalk Improvements and Shoreline Stabilization

If you are coming from the north or the south on the HarborWalk, you may continue your circuit by going off the HarborWalk and proceeding through the UMass Boston Campus as shown by the red and yellow lines to the right.

Closed section of path

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Clark Gym Floor and Seating Replacement
Public Address System Installation

• Timely response to emergency situations is critical to keeping our community safe

• UMass Boston is in the process of acquiring and installing an external public address (PA) system to enhance emergency communications on campus

• PA system will have a tone alert followed by a spoken message describing the emergency and recommending a course of action

• PA system is designed to be heard across the entire campus with limited sound transmission to neighbors

• UMass Boston will notify the community when the PA system is fully installed and operational and when it will be tested. The first test is expected to occur this Spring.
Public Address System Acoustic Coverage
Bayside Property

• Completed 8-month charrette process in December 2011

• About to undertake study to ensure Bayside property’s integration into Campus Master Plan. Process used to develop 2007 Master Plan will be used.

• Report on ideas generated and discussions is online at www.umb.edu/bayside

• Campus use of Bayside property for parking will increase as construction on campus moves forward

• In near term, project to automate parking and separate utilities from abutters’ buildings will begin

• UMass will continue efforts to enhance the site