



# University of Massachusetts Building Authority

Report to the UMass Board of Trustees  
June 2009

# COMPLETED PROJECTS 2004 TO PRESENT

- Building Authority has completed 18 major projects system wide since 2004.
- Total cost of these 18 projects is \$560 million.
- Over 20 additional projects under \$1 M financed by UMBA and managed by the campuses.
- 11 projects using alternative procurement methods to speed construction, improve quality and lower total cost.

# CAPITAL PROJECTS SUPPORT AUTHORITY GOALS

- Supporting university academic mission
- Renewing campus commitments
- Fueling economic engines of the commonwealth
- Reducing carbon footprints
- Emphasizing quality and award-winning designs
- Streamlining the construction process

# ***SUPPORTING THE UNIVERSITY ACADEMIC MISSION***



- **On October 1, 2004 the College of Business at UMass Dartmouth moved into a new ultramodern facility built by the Authority and partially funded with a \$3 million grant from the Earle P. Charlton Family Trust. It is the only AACSB International accredited business school in the Southcoast region.**

# *SUPPORTING THE UNIVERSITY ACADEMIC MISSION*

- UMass Dartmouth won a National Institutes of Health grant to become the National Center for Botulinum Research. Using a fast track method of procurement, the Authority was able to build a new \$17 million Level III laboratory facility for Dartmouth in 13 months.



# *SUPPORTING THE UNIVERSITY ACADEMIC MISSION*



- At UMass Amherst, there was an important need to improve its teaching and research laboratory facilities for life, chemical and physical sciences. Using the alternative method of procurement known as “construction manager at risk” the Authority completed the \$104 million Integrated Science Building in December 2008.



# *RENEWING CAMPUS COMMITMENTS*

- The Authority completed total renovation of Skinner Hall (School of Nursing) at UMass Amherst in December, 2007. Skinner Hall now has new mechanical and electrical systems, a two-story addition, wireless IT and state of the art patient bed teaching labs at a cost of \$20 million.



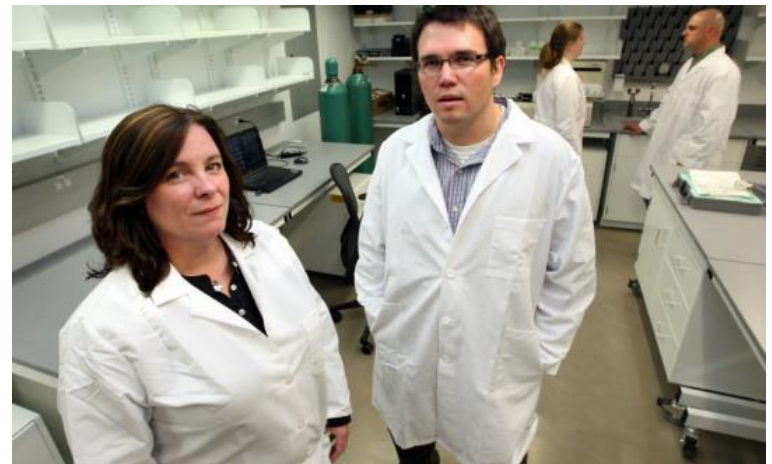
# *RENEWING CAMPUS COMMITMENTS*



- The Authority fast-tracked a major repair and improvement project for the Cedar Dell housing at UMass Dartmouth campus in 2007-2008. In less than a year, the Authority completely renovated 800 beds at the cost of \$21 million.

# FUELING ECONOMIC ENGINES OF THE COMMONWEALTH

- At UMass Boston, UMBA designed a state-of-the-art facility called the Venture Development Center. Opened in May, 2009, the \$5 million VDC will move innovations that UMass Boston faculty develop collaboratively with their business partners from the laboratory to prototype.



# REDUCING OUR CARBON FOOTPRINT



In May 2009, the new \$137 million Central Heating Plant for UMass Amherst was completed. The plant will reduce emissions by 80%, conserve 65 million gallons of clean water by using recycled gray water, co-generate electricity to produce 80% of the electricity on campus, reduce its carbon footprint by 30% and has dual fuel capacity to save costs.

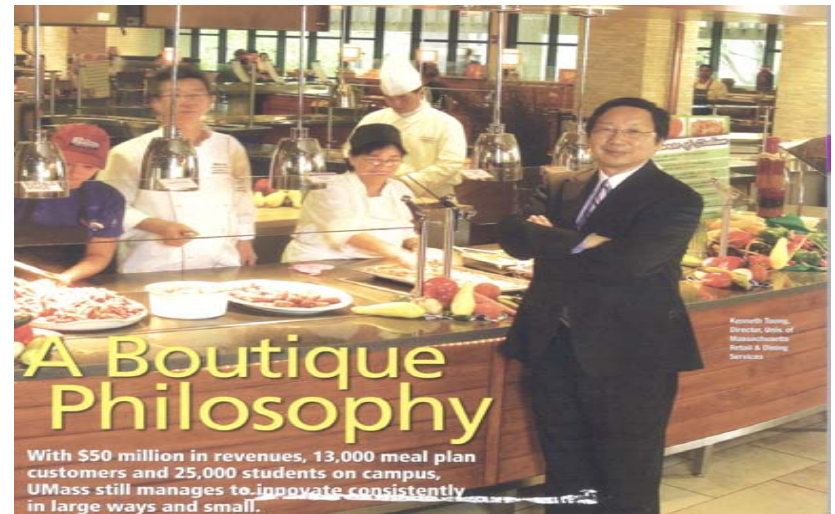
# REDUCING OUR CARBON FOOTPRINT



- UMass Boston has been using the naturally cold temperature of sea water from Boston Harbor to help cool the campus. Poor equipment, old facilities and silt near the intake valve threatened to destroy this energy-saving facility. For \$5 million, UMBA renovated the sea water cooling facility during 2006.

# EMPHASIZING QUALITY AND AWARD-WINNING DESIGNS

- UMBA encourages its design teams to produce innovative buildings that creatively meet the needs of the campuses, such as the \$13 million Berkshire Dining project: from a traditional cafeteria built in the 1970s to a multi-station, food-forward eatery. This project has won several awards including “Best Renovation of 2007.”



# EMPHASIZING QUALITY AND AWARD-WINNING DESIGNS



- The \$25 million Studio Arts Building on the UMass Amherst campus consolidates a number of art programs on campus with difficult infrastructure demands. Completed in February 2008, the facility is located at a key entrance to the campus and had to be a signature building and to blend in with the existing campus.



# STREAMLINING THE CONSTRUCTION PROCESS

- In spring 2004, UMass Dartmouth asked the Authority to build 1200 new, modern rooms to open before the fall of 2005. UMBA used a design-build method of construction. The first 400 rooms opened January 2005 followed by 800 beds in July 2005. The \$80 million project came in under budget.



# STREAMLINING THE CONSTRUCTION PROCESS



- The UMass Amherst student housing stock was built before 1980 and in spring 2005 the campus asked Authority to hire a construction manager at risk to build 864 apartment-style beds. The \$97 million North student housing project was completed by fall 2006 with the construction of 864 modern bedrooms.

# Current Projects

## Construction Project

## Total Cost

### Amherst

Student Recreational Facility	\$45,630,000
Lincoln Campus Center Repairs	\$7,600,000
New Police Facility	\$12,000,000

### Boston

EMK Institute for the United States Senate	\$44,000,000
Healy Library Fire Sprinklers	\$5,100,000
ADA Conforming Restrooms and Pathways	\$1,200,000
McCormack Hall Classroom	\$775,000

### Dartmouth

Bioprocessing Plant	\$15,000,000
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# Current Projects

## Construction Project

## Total Cost

### Lowell

Emerging Technology and Innovation Center	\$70,000,000
New parking Garage (Hold)	\$15,000,000
Renovation of Fox Hall	\$12,500,000
M2D2 Renovation of Wannalancit Building	\$4,000,000

### Worcester

Electrical Room Expansion	\$3,400,000
Albert Sherman Center and Garage	\$370,000,000
Power Plant Expansion	\$35,000,000