



BGE & CMOC Project Updates

Planning, Architectural & Engineering Services

April 1, 2015

Agenda

Project Updates

- Projects Recently Completed & in Construction
- Projects in Design
- Projects in Planning

Completed / in Construction

Project Updates

- **Advanced Manufacturing Innovation Center at Longley**
- North Hillside Road
- Main Water Line Replacement – Phase I
- **fMRI Suite – in Phillips**
- **STEM Residence Hall**
- **Innovation Partnership Building**

AMIC at Longley

Additive Manufacturing Innovation Center - a partnership with Pratt & Whitney to advance research and development.

- Scope: Temporary location for installation of new (\$1M) state-of-the-art 3-D printer prior to IPB being built.
 - Renovate lab space at Longley to receive equipment – 1,094 sf.
- Budget: \$160,000 (under budget)
 - Design/Bid/Build project delivery – in-house GC with PAES/Eng PM's
- Schedule: Took delivery of equipment; currently in commissioning phase.



Pratt & Whitney
A United Technologies Company



fMRI Suite at Phillips Science Center

- Scope: 4,000 GSF renovation
 - New state-of-the-art functional MRI for research and teaching
- Budget: On budget at \$7.9M
- Schedule: On schedule
 - Completing construction mid-April 2015
- Key Issues: fMRI equipment has been delivered and installed



<http://instagram.com/p/0D6McJy734/>

STEM Residence Hall

- Scope: 212,000 GSF, 8 stories above grade
 - 725 beds + staff and director apartments
 - Includes 22,000 GSF Learning & Innovation Center
 - HPBC, anticipate LEED Silver
- Budget: On budget at \$105M
 - Design Build project delivery
- Schedule: On expedited schedule
 - Started construction Nov 2014
 - Complete construction July 2016
- Key Issues: Recovery from Winter



STEM Residence Hall



View looking East



View looking North

Innovation Partnership Building

- Scope: 114,000 GSF, 3 floors + Penthouse
 - Includes 25,000 SF shelled tenant lab space
 - Core Additive Manufacturing and Advanced Characterization (Imaging)
 - HPBC, anticipate LEED Silver
- Budget: on budget \$162.3M
 - CM GMP project delivery
- Schedule: delay of Bond Commission meeting
 - Start construction Spring 2015
 - Complete construction Spring 2017



in Design

Project Updates

- **UConn Hartford**
- **UConn Stamford**
- **Engineering and Science Building**
- **Monteith Renovation**
- **Putnam Refectory Renovation**
- **Fine Arts Production Addition**
- **Honors Residence Hall**
- **Infrastructure Projects**

UConn Hartford

- Scope: 180,000 GSF, 5 floors + penthouse
- Budget: On budget: \$100M Main Bldg
- Schedule: On schedule
 - Demo and Site Prep being Bid
 - CD's completing June 2015
 - Enabling/demo Summer 2015
 - Bidding July/August 2015
 - GMP due Fall 2015
 - Complete construction July 2017
- Key Issues: Façade stabilization



UConn Hartford



View looking South



View looking West

UConn Hartford



Courtyard looking West



Courtyard looking East

UConn Hartford

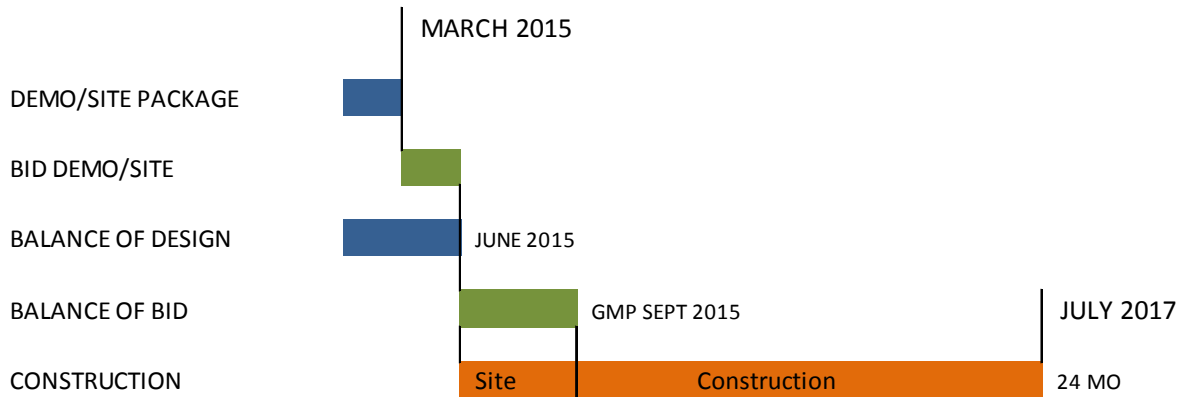


Interior Atrium and Corridor

UConn Hartford: New Main Building

Status: Developer must release some work prior to GMP with the CM in order to meet its obligations in the Agreement to complete the project by June 2017

Schedule: 24 Month Construction Schedule must commence in June 2015



Budget: On budget at \$115 Million Total Project Cost (including off-site locations)

UConn Hartford: Activities Prior to GMP

Status:

The following field activities are proposed by the Developer prior to GMP:

- Demolition and stabilization of exterior of existing Hartford Times Building
- Excavation and installation of earth retention structures

The following preparatory work is proposed by the Developer prior to GMP:

- Shop drawings for site utilities
- Shop drawings and material deposit on pile foundations
- Shop drawings for structural steel
- Shop drawings for precast exterior and windows
- Shop drawings for elevators

Estimated Cost Prior to GMP: Approximately \$6.5 Million (8% of construction cost)

UConn Stamford Housing

- Scope: Project delivery is by turn-key development agreement (MOU executed)
 - 80 Apartments with about 270 beds
 - 18 Story building
- Budget: 10 Year Master Lease
 - 10 Year renewal option
 - Purchase Options
- Schedule: On schedule
 - Zoning approval by the end of 2015
 - Complete construction July 2018
- Key Issues: Finalize full agreement.
Zoning and Building approvals.



Engineering and Science

- Scope: 115,000 GSF, 5 floors + penthouse
 - HPBC, anticipate LEED Silver
- Budget: On budget: \$92.5M
 - CM GMP project delivery
 - GMP due June 2015
- Schedule: On schedule
 - Design Complete
 - Bids received for enabling site work
 - Bidding April/May 2015
 - Start Construction June 2015
 - Complete construction Spring 2017
- Key Issues: None at this time



Monteith Renovation

- Scope: 73,000 GSF renovation, 4 floors
 - New home for Department of Math, starts to vacate Gant
 - Provides swing space for future academic renos
 - Anticipate LEED Silver
- Budget: \$25M Design Development phase
 - GC Lump Sum project delivery
- Schedule: On schedule
 - DD drawings complete, CDs March 2015
 - Bidding in April 2015
 - Start construction July 2015
 - Complete construction June 2016



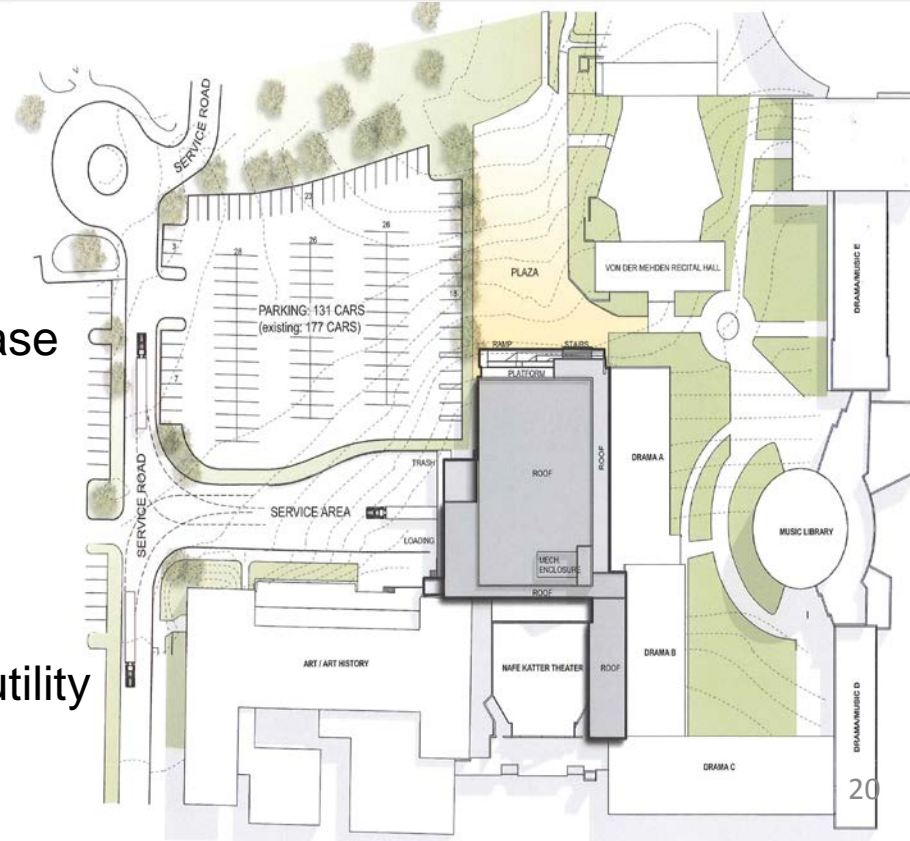
Putnam Refectory Renovation

- Scope: 42,000 GSF renovation, 2 floors
 - Provide additional 330 seats, improve servery
 - Anticipate LEED Silver
- Budget: \$23M Design Development phase
 - CM GMP project delivery
- Schedule: On schedule
 - CDs delivered March 2015
 - Bidding in April 2015
 - Start construction early Summer 2015
 - Complete construction August 2016
- Key Issues: Late start in the First Summer



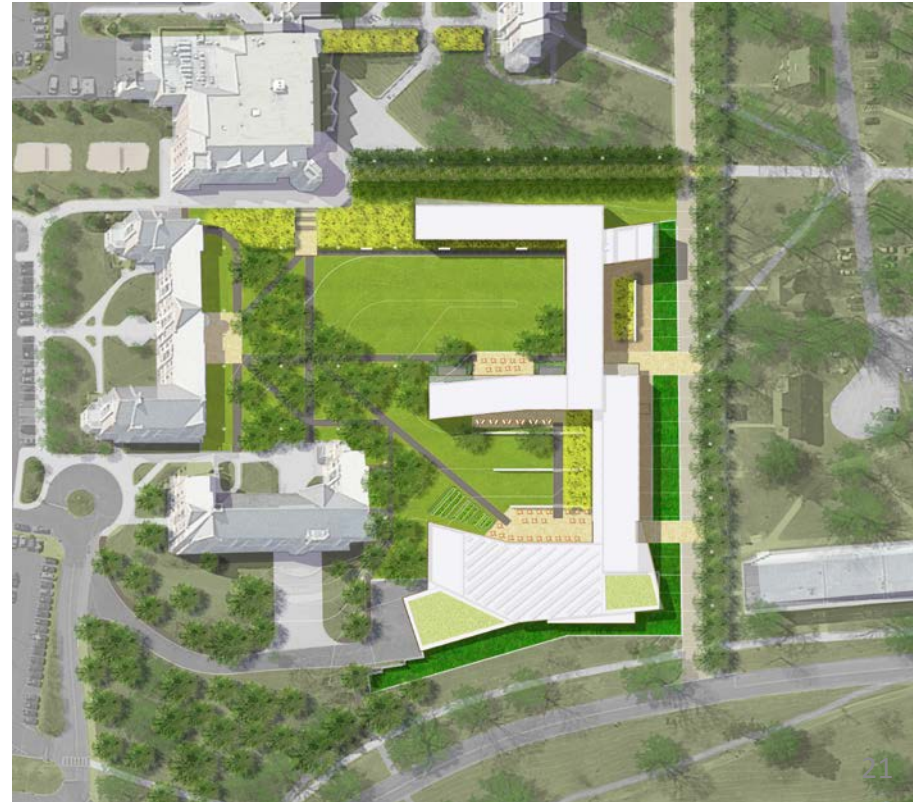
Fine Arts Production Addition

- Scope: 30,000 GSF Addition
 - Production facility, including paint, scenery, and welding shops
 - New entry and connectivity
- Budget: \$21.6M Design Development phase
- Schedule:
 - Bidding in Fall 2015
 - Start construction Fall 2015
 - Complete construction Spring 2017
- Key Issues: Timing of EIE Approvals and utility infrastructure upgrades may cause delay



Honors Residence Hall

- Scope: 210,000 GSF (5-6 stories)
 - 650 bed resident hall
 - 700 seat dining hall
 - Regional utility/infrastructure and landscaping/site upgrades
- Budget: Budget of \$105M
- Schedule: TBD – Fall 2017 or 2018
 - Bridging Documents complete
 - Internal review whether to bid or continue to design-bid-build
- Key Issues: Timing of EIE Approvals and utility infrastructure upgrades



Honors Residence Hall



Aerial View



View looking North

Honors Residence Hall



View looking West



View looking South

Infrastructure Projects

Gurleyville Rd Pump Station & Sewer Replacement

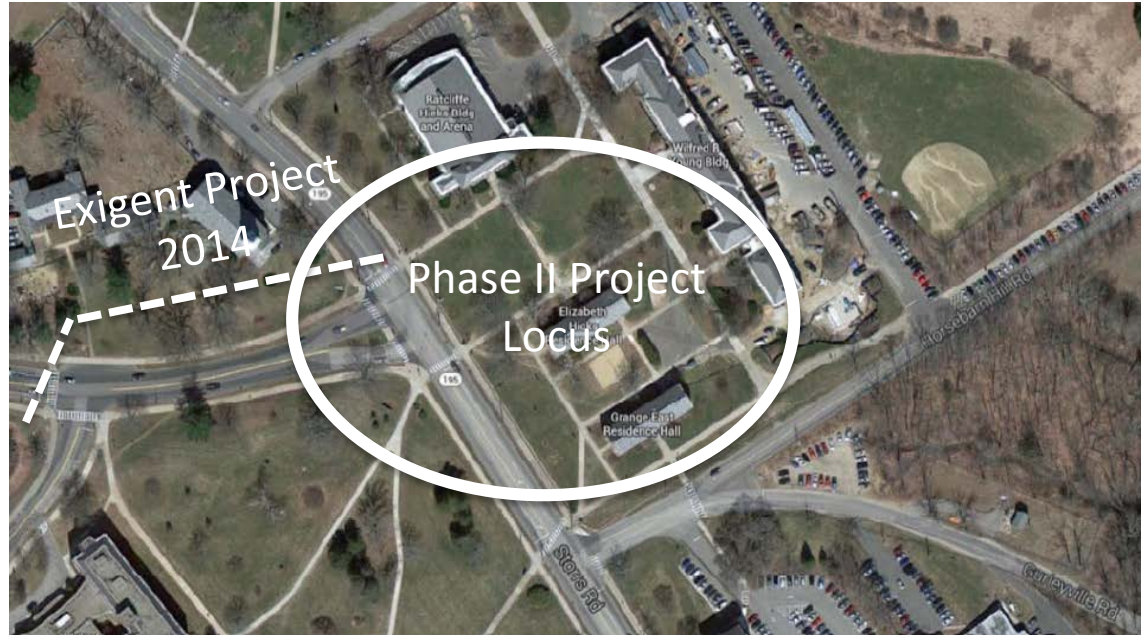
- Scope:
 - Upgrade sewer on Rte 195 from Mansfield Rd to Pump Station
 - Renovation of pump station for future flows
- Budget: \$5.25M Final phase
- Schedule:
 - Design complete
 - Start Construction May 2015
 - Complete Construction Summer 2016



Infrastructure Projects

North Eagleville Rd Infrastructure Upgrades Phase II

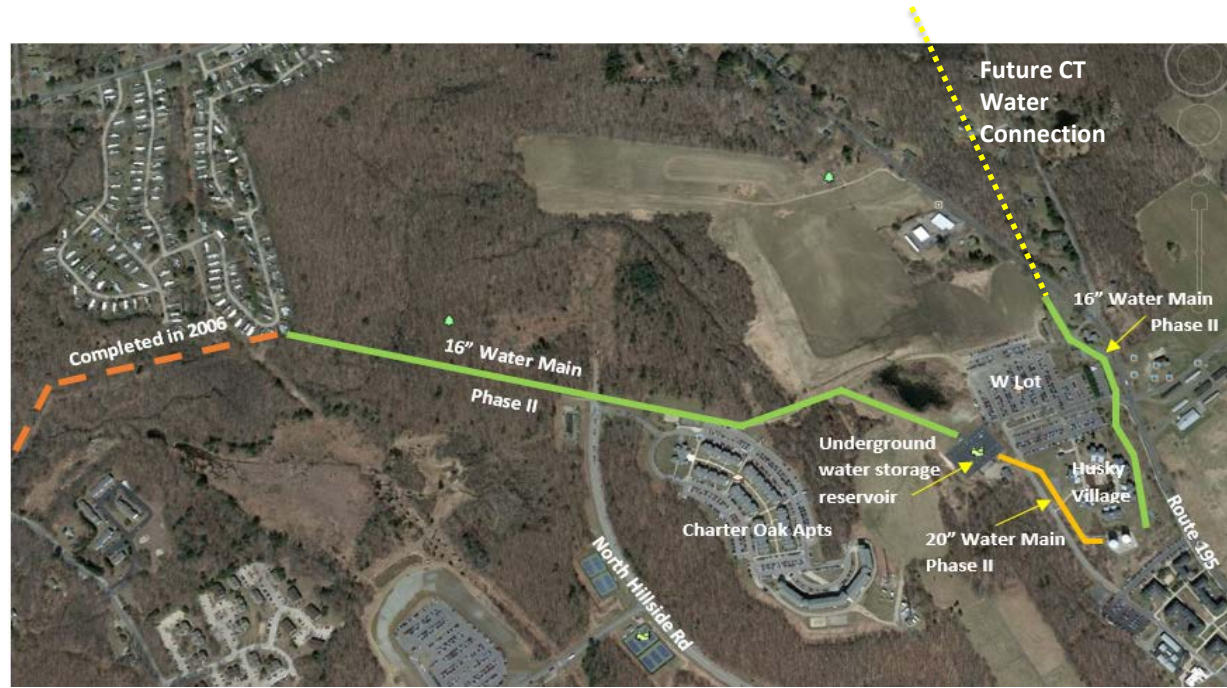
- Scope:
 - Young Quadrangle Utility Replacement
- Budget: \$5M Final phase
- Schedule:
 - Design complete
 - Start Construction May 2015
 - Complete Construction December 2015



Infrastructure Projects

Main Water Line Phase II

- Scope:
 - Final phase replacement of Main Water line from Willimantic Well Field
 - Connection to future CT Water supply from Tolland
- Budget: \$6M Design phase
- Schedule:
 - Design in process
 - Start Construction Fall 2015
 - Complete Construction Fall 2016



Infrastructure

Planning infrastructure upgrades, in coordination with the Campus Master Plan and the *Next Generation Connecticut* implementation plan, is in process:

- South Campus Area
- NW Superblock Area
- Replacement/Upgrading of deteriorated Infrastructure

in Planning

Project Updates

- **Campus Master Plan**
- **Science Facilities Planning Study**
- **Feasibility Studies for Soccer, Baseball & Softball Stadiums**
- **On-going Planning Studies**

Campus Master Plan Update

- The Board of Trustees accepted the draft Master Plan at their February 25th meeting and directed that the documents be finalized for distribution.
- The resolution also directed that the Master Plan be used as the basis of design for future development of the campus.
- The documents and the appendices are being prepared for publication and will be posted to the PAES website in early April. (www.paes.uconn.edu)
- We are currently reviewing the Town of Mansfield's draft master plan and preparing comments in advance of their April 6th Town Council Meeting.

Science Planning Study

The Science Facilities Planning Study is being conducted in four phases:

- **Phase I:** Evaluate Current Space Needs
- **Phase II:** Forecast Future Space Needs to Accommodate Current and Future Requirements
- **Phase III:** Develop an Implementation Strategy that Includes Both Renovation and New Construction
- **Phase IV:** Prepare a 15-year Capital Improvement Plan (CIP) Setting Annual Spending from FY15 to FY29

The Study was initiated in January and the consultants are now beginning to focus on programming strategies to meet the forecasted space needs, beginning with the renovation of the Gant Science complex.

Stadium Feasibility Studies

- Scope: Site planning & programming for new baseball, softball & soccer facilities
 - Shared amenities
 - Tools for additional fundraising
- Budget: \$100,000
 - Project Programming
 - Conceptual Design
- Schedule: Completion June 2015
 - Basis for full design services
- Key Issues: Donor relations



On-Going Planning Studies

- Capital Projects Planning Support
- Library Facilities Master Plan
- Demonstration Classroom Planning
- Depot Campus Redevelopment Planning
- Gateway and Wayfinding Studies
- Space Inventory Data Collection and Updates