Projects in Planning, Design & Construction

Office of Planning, Architectural and Engineering Services

September 9, 2015
Project Updates: $375M+ currently in Planning

- Student Recreation Center Site Analysis
- Science Facilities Space Planning
- Science 1 Building – Architect interviews in early Spring 2016
- Infrastructure projects – Framework Engineer on-boarding
- On-going Planning Activities
Student Recreation Center Site Analysis

- **Scope**: Site inventory, analysis & concepts on 2 sites for locating a new Student Recreation Center
  - 200,000 GSF building program
- **Budget**: $75,000, Planning phase
  - Project Programming
  - Conceptual Design
- **Schedule**: Completion Sept 2015
  - Basis for A/E design
- **Key Issues**: Schedule; enabling projects

2 Sites analyzed: Y Lot above McMahon, and CT Commons on Hillside
Science Facilities Space Planning

Current Status:

• Evaluation of Current Space Needs – This phase is complete
• Formulation of Gant Renovation Strategy – This phase is complete
• Forecast of Future Space Requirements – This phase will be complete in Sept
• Development of an Implementation Strategy that Includes Both Renovation and New Construction - Materials are being prepared for discussion with the campus Leadership on October 1 to address capital project plans (schedules and cost estimates)

The Science Space Planning is on schedule to be complete by January 2016 to start the design process for the Science 1 Building in the NW Quad
On-Going Planning

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

Project Updates: $325M+ currently in Design

- Fine Arts Production Addition
- Gant Building Renovation - STEM
- Student Recreation Center - Architect selection in process
- Soccer, Baseball & Softball Stadia Conceptual Design
- Gampel Pavilion Renovation
- Main Water Line Replacement, Phase II
- North Eagleville Road Infrastructure, Phase III
- Other Infrastructure Projects
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/Winter 2015
  - Start construction Spring 2016
  - Complete construction Winter 2017
- **Key Issues:** Timing of EIE Approvals, timing of funding approval

*Site Plan, Bolton Rd to bottom & 195 to right*
Gant Building Renovation - STEM

- **Scope:** 285,000 GSF Renovation
  - Teaching labs, faculty offices and support space upgrades
  - Infrastructure and Envelope Upgrades
  - Targeting LEED Gold
- **Budget:** $140M – 170M Revised Planning
- **Schedule:**
  - Pre-Design in Process
  - Start construction Spring 2017
  - Complete construction Summer 2021
- **Key Issues:** Data center operation during construction
Student Recreation Center

- **Scope:** new Student Recreation Center
  - 200,000 GSF building program
- **Budget:** $100M, Planning phase
  - Architect Interviews – Sept 24
- **Schedule:**
  - Design Fall 2017
  - Bidding Winter 2017
  - Complete construction Summer 2019
- **Key Issues:** timing of enabling utility projects and EIE

Student Recreation Center location on Hillside, near Gampel
Stadia Conceptual Design

- **Scope**: Site analyses & conceptual designs for new soccer, baseball & softball stadia, in existing locations
  - Tools for additional fundraising
- **Budget**: $100,000
  - Site & Stadia Programming
  - Conceptual Design, with options
- **Schedule**: Completed August 2015
  - Basis for full design services
- **Key Issues**: Fundraising; unfunded options; infrastructure planning & design; ice hockey location

*Site Plan, Soccer to right, Baseball & Softball to left*
Stadia Conceptual Design

Concept for Soccer Stadium
Stadia Conceptual Design

Concept for Baseball Stadium
Stadia Conceptual Design

Concept for Softball Stadium
Gampel Pavilion Dome & Roof Repair

• **Scope:**
  ° Repair the interior and exterior dome roof
  ° Address code issues
  ° Upgrade Infrastructure for network broadcast cabling

• **Budget:** $10M Design phase

• **Schedule:**
  ° Design in process
  ° Start Construction Spring 2016
  ° Complete Construction Fall 2016
Main Water Line, Phase II

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

North Campus Site Plan
Completed / in Construction

Project Updates: $550M+ currently in Construction

- Young Building Renovation/Addition Envelope Repairs
- North Eagleville Road Infrastructure, Phase II
- Gurleyville Road Pump Station & Sewer Replacement
- North Hillside Road
- STEM Residence Hall
- Putnam Refectory Renovation
- Hartford Campus Relocation
- Innovation Partnership Building
- Engineering and Science Building
- Monteith Renovation
- Main Accumulation Area (chemical waste transfer facility)
- Gampel Cooling Towers
Young Building Renovation / Addition - Envelope Repairs

• **Scope:** Exterior masonry restoration –
  ° Site work improvements, new granite stairs, and landscaping
  ° Membrane roof replacement and selective slate roof replacement

• **Budget:** on budget $5M
  ° CM GMP project delivery

• **Schedule:**
  ° Construction Started April 2015
  ° Complete construction December 2015
North Eagleville Road (NER), Phase II

North Eagleville Rd Infrastructure Upgrades Phase II

- **Scope:**
  - Young Quadrangle Utility Replacement

- **Budget:** on budget $5.25M Final phase

- **Schedule:**
  - Start Construction June 2015
  - Complete Construction December 2015
North Eagleville Road (NER), Phase II

Construction – NER Phase II, Area 1

Construction Completion – NER Phase II, Area 1
North Eagleville Road (NER), Phase II

Construction – NER Phase II Area 3, Young Quad

Construction – NER Phase II Area 3, Young Quad
(Ratcliffe Hicks Arena on right of photo)
Gurleyville Rd Pump Station & Sewer Replacement

- **Scope:**
  - Upgrade sewer on Rte. 195 from Mansfield Rd to Pump Station
  - Renovate pump station
  - Upgrade to accept additional flow from Res Hall and D’ntown Storrs

- **Budget:** $5M Final phase

- **Schedule:**
  - In Construction
  - Complete Construction July 2016

*Sewer pipe location along 195 and behind residence halls*
Gurleyville Road Pump Station

Sewer By-Pass Piping and Pumps – Storrs Road – to allow for sewer replacement

Sewer replacement – Storrs Road in front of Blake House
Sewer replacement – Storrs Road in front of Blake House Trenching and Rock Removal
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:** Project back on schedule, topping out mid-Sept, enclose by next Winter

Views looking West
STEM Residence Hall

View looking East

View looking North
Putnam Refectory Renovation

- **Scope**: 42,000 GSF renovation, 2 floors
  - Provide additional 330 seats, improve and add servery
  - Anticipate LEED Silver
- **Budget**: $23M Design Development phase
  - Revised bids on Budget
- **Schedule**: Schedule was restructured
  - Lower level renovation to Spring 2016
  - Dining Hall closes March 11, 2016
  - Completion in August 2016
- **Key Issues**: Completing sitework prior to the Winter, early closing of dining hall
UConn Hartford

- **Scope:** 180,000 GSF, 5 floors
- **Budget:** Preliminary Bids on the project are trending over budget and are under review
- **Schedule:** On schedule
  - Demolition started this Summer
  - Site Prep work starting
  - GMP due late September 2015
  - Complete construction July 2017
- **Key Issues:** Budget concerns based on preliminary bids
UConn Hartford

• **38 Prospect Street:**
  ° Four-story, 34,000 SF Building
  ° Purchase completed June 2, 2015
  ° Renovation expected to commence Summer 2016

• **Hartford Public Library:**
  ° Space Use and Construction agreement for 18,000 SF being prepared
  ° November 2015 document execution

• **Wadsworth Athenaeum:**
  ° Space Use agreement for 1,800 SF discussions pending new director

38 Prospect Street
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:**
  ° Started construction June 2015
  ° Complete construction June 2017
Innovation Partnership Building

North Lab Bar Support Tower Foundation Reinforcement

Site Clearing
Engineering and Science

- **Scope:** 115,000 GSF, 5 floors + penthouse
  - HPBC, anticipate LEED Silver
- **Budget:** Budget: $95M
  - CM GMP project delivery
- **Schedule:** On schedule
  - In Construction
  - Complete construction Spring 2017
- **Key Issues:** None at this time
Engineering and Science

Enabling Work – Access Road and Retaining Wall

Enabling Work – Site Clearing and Utility Relocations
**North Hillside Road Extension**

- **Scope:** Extension of North Hillside Rd from Charter Oak Complex entrance to Route 44
- **Budget:** Budget: $20.365M
  - GC Unit Price project delivery
- **Schedule:** On schedule
  - In Construction – 60% complete
  - Projected open to traffic Dec 2015
- **Key Issues:** Coordination of work in Route 44 with Connecticut Water Project. Potential for winter temperatures during final paving could impact asphalt plant production

*Base Course Paving in Progress*
North Hillside Road Extension

Bridge Construction at Wetlands Crossing C

Box Culvert Construction at Wetlands Crossing A
Monteith Renovation

• **Scope**: 73,000 GSF renovation, 4 floors
  ° New home for Department of Math, starts to vacate Gant
  ° Targeting LEED Silver
• **Budget**: $25M Construction Document phase
  ° GC Lump Sum project delivery
• **Schedule**: On schedule
  ° In construction
  ° Complete construction July 2016
• **Key Issues**: aggressive schedule
QUESTIONS/COMMENTS?

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