CONSTRUCTION PLANNING AND PROGRESS MEETING
BROUGHT TO YOU BY INFRASTRUCTURE PLANNING AND FACILITIES
October 2017
PLEASE LET US KNOW HOW WE’RE DOING

• We want your thoughts and suggestions about the online version of Construction Junction, and what we might do to improve.

• Please leave any comments or suggestions in the feedback box on the Construction Junction webpage located at: http://ipf.msu.edu/construction/construction-junction/index.html.
MSU Board of Trustees updates

New projects
- Cook Hall – building renovation
- Student Services – replace windows and curtain wall

Project updates
- Interdisciplinary Science and Technology – construct original building
- Business College Complex – Addition No. 2 – Pavilion
- Engineering Research – Hulett Rd. – Addition No. 2 – Food Processing Innovation Center
- Solar carports (electrical distribution – renewable energy)
- Engineering Research Complex – addition and renovations
- 1855 Place
- Breslin Student Events Center – facility upgrades
Step 2: Authorization to proceed

- Jenison Fieldhouse – renovations
- Hubbard Hall – exterior masonry repair (phase three)
Step 2: Authorization to proceed

- International Center – revitalization
- Student Services – replace windows, HVAC upgrades and waterproofing
- Cook Hall – building renovation
- Electrical distribution – Dairy Research Complex
- Wells Hall – replace induction units (phase two)

Step 3 – Bid and contract award

- Wilson Road – extension
- Olin Health Center – Student Wellness Center
Cook Hall – building renovation (CP16285)
Why?

- Cook Hall is one of six buildings constructed between 1888 and 1909 and is part of what is referred to as "Laboratory Row" on the northeast section of West Circle Drive.
- Laboratory Row is on the State Register of Historical Sites and the renovations to Cook Hall are part of the plan to restore these buildings over time, thereby preserving Michigan State University's heritage.
- The renovations will improve the quality and functionality of office and support space for programs in the College of Agriculture and Natural Resources.
Project goals

- Comprehensive renewal of Cook Hall while preserving its historical character.
- The work scope will be consistent with improvements previously completed at Eustace-Cole Hall, Marshall-Adams Hall and Chittenden Hall.
- Exterior renovations were completed in 2010 and are not part of this project.
Project scope

- The renovation is anticipated to include:
  - accessibility improvements to restrooms
  - installation of an elevator
  - internal alterations of offices and office support spaces
  - period-style lighting upgrades
  - heating, ventilation and air conditioning upgrades
  - technological upgrades
Impacts

• The building will be vacated during construction.

Schedule

• Construction start: February 2018
• Ready for occupancy: September 2018
Design representative:
Amr Abdel-Azim
amabdelazim@ipf.msu.edu
(517) 432-0323
Student Services – replace windows and curtain wall (CP16194)
Why?

• Replacement of the existing 1960’s-age windows will make the building more secure and return the building to weather-tight condition
• New energy efficient air handling units are needed to replace the 1960’s-age units
Project goals/scope

• Restore the weather-tight integrity of the building envelope by replacing the original windows and curtain wall systems
• Increase energy efficiency by replacing two original mechanical units in the sub-basement
• Mitigate water infiltration in the sub-basement
Impacts

• Project will require occupants to relocate away from the exterior windows during demolition and replacement
• Air flow may be diminished throughout the building while replacing the air handling units
• Construction equipment and vehicles will be kept to a minimum to reduce parking impact to building occupants

Schedule

• Construction start: April 2018
• Ready for occupancy: September 2018
Existing windows with solar shades
Existing air handling unit deterioration
Existing water infiltration in sub-basement
Construction representative: Carol Cool
ccool@ipf.msu.edu
(517) 353-8619
Interdisciplinary Science and Technology – construct original building (CP16304)
Project milestones (accomplishments/project phases completed during the past month)

- Foundations are complete
- Backfill around the building is complete
- All work impacting Service Road is complete and all lanes are re-opened
- Structural steel erection has begun

Impact updates (pedestrian, traffic, building occupant, facility impacts expected in the coming month)

- Construction traffic will continue to be heavy on Service Road
- A steam shutdown for south campus buildings is planned for a weekend sometime between Sept. 15 and Oct. 15.
- Specific dates will be chosen based on least impact to building occupants taking into account weather conditions
Foundations nearing completion
Backfill of building foundations being completed
Underground electrical conduit being readied for concrete duct bank pour
New steam valves ready for installation
Steel columns are erected for the first three floors on the west side.
Project webcam

https://app.oxblue.com/open/RockfordCon/InterdisciplinaryScience
Construction representative:
Carol Cool
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(517) 353-8619
Project milestones *(accomplishments/project phases completed during the past month)*

- Demolition of the Lear building is complete
- Mass excavation has started for the site
- Foundation has started on the east side of the pavilion

Impact updates *(pedestrian, traffic, building occupant, facility impacts expected in the coming month)*

- Sidewalks traveling north and south between Shaw Hall and the Business College Complex remain closed
Mass excavation has started at the former Lear building site
Underground plumbing has begun for the new Pavilion
Auger cast pile installation for the Pavilion foundation in progress
Pedestrian logistic plan (phase two)

Phase 2: August 2017 - On
- Construction of Board College of Business Pavilion

Broad College of Business Pavilion
Site Logistics Plan
Revision 11 - 5/30/2017

- Construction Fence (p/w Min. w/hoop-rail)
- Dust Control (p/w Min.)
- Gates
- Dual Gate System
  A Sidewalk Closed (w/ lighted bar)
  B Sidewalk Temp. Closed (w/ lighted bar)
- Pedestrian Walk
- Pedestrian Route
- Paved Truck Route
- Temporary Bike Parking by MSU
- Existing Tree
- Tree to be protected
- Pedestrian Safety
  Dual Gate System Operation
Construction representative:
Tony Rhodes
arhodes@ipf.msu.edu
(517) 432-7104
Engineering Research – Hulett Rd. – Addition No. 2 – Food Processing Innovation Center

Project Location – Off Campus
**Project milestones** *(accomplishments/project phases completed during the past month)*

- Roof construction is complete
- Rough mechanical, electrical and plumbing are complete
- Building is 99% enclosed

**Impact updates** *(pedestrian, traffic, building occupant, facility impacts expected in the coming month)*

- No additional impacts expected
Concrete loading dock approach
Enclosing of the addition is complete
Rough-ins of interior mechanical, electrical and plumbing systems
Construction representative:  
Tony Rhodes  
arthodes@ipf.msu.edu  
(517) 432-7104
Solar Carports (Electrical distribution – renewable energy – *CP15105*)

**Project locations**

[Map showing project locations with red arrows.]
Project milestones

• Lot 83 foundations are complete. Canopy erection is complete in western phase with solar panel installation ongoing
• Lot 89 is nearing completion with foundations and canopy erection complete. Solar panel installation is ongoing in eastern phases
• Eastern phases of Lots 91 and 92 are completed. Foundations, canopies and solar panel installation is ongoing in middle phases
• Lot 100 foundation installations are ongoing with canopy erection started
• First power from Lot 89 array is targeted to be received into the T.B. Simon Power Plant sometime in November

Impact updates

• Portions of each lot will close alternately as the construction/installation phases progress
• All staging of materials and equipment will be minimalized for football game days
Operational solar array carports at Commuter Lot 89
Operational solar array carports at Commuter Lot 89
Under-carport lighting at Lot 89

Solar Carports (Electrical distribution – renewable energy – CP15105)
Ongoing installation at Lot 91 (Service and Hagadorn Roads)
Solar Carports (Electrical distribution – renewable energy – CP15105)

Construction representative: Chris Barnes
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(517) 355-1628
Engineering Research Complex – addition and renovations (CP16042)
Project milestones (accomplishments/project phases completed during the past month)

- Building steel erection is in progress
- Masonry walls are being installed
- Lights are being installed in the C-32 renovated space

Impact updates (pedestrian, traffic, building occupant, facility impacts expected in the coming month)

- Increased construction traffic turning north off Mount Hope Road
- Increased noise-related construction activities
Building steel erection in progress
Steel erection looking northwest
Steel roofing installation in progress
Masonry wall erection
Construction representative:
Ken Gottschalk
kjgottsc@ipf.msu.edu
(517) 353-7234
Project milestones \((accomplishments/project phases completed during the past month)\)

- First floor training rooms reached substantial completion
- RHS IS Tech work area is substantially complete and occupants have moved in
- Second floor is substantially complete and some RHS staff have moved into the space

Impact updates \((pedestrian, traffic, building occupant, facility impacts expected in the coming month)\)

- Crane lift will close the east entrance to the Marketplace on the mornings of Oct. 2 and 9
- Automatic openers are to be installed on approximately 12 exterior doors on the site over the next month
- Grand opening celebration is scheduled for Oct. 20
Installation of exterior decorative elements
Decorative elements in place
Entrance drive off Harrison Road
Plaza at the corner of Harrison Road and Kalamazoo Street
"Junipers" sculpture
Plaza between office/retail tower and student apartment endcaps
New Spartan Ticket Office

1855 Place (CP13351)
New Spartan Spirit Shop
Office tower flooring in progress
Interior decorative elements
Construction representative:
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(517) 432-7103
Project milestones (a list of accomplishments/project phases completed during the past month)

- Concourse concessions stands are complete
- Upgrades to concourse areas are complete
- Strength and Conditioning room is complete
- Alumni Locker Room is complete

Impact updates (a list of any pedestrian, traffic, building occupant, facility impacts expected in the coming month)

- Building access at the Hall of History entrance (southeast) will be restricted and only open on a limited basis through Oct. 19
Finishing flooring in the expanded southern concourse
New concourse areas in use
New concourse areas in use
Work nears completion at the Hall of History entrance
Example of some of the exterior decorative elements

Breslin Student Events Center – facility upgrades (CP14110)
Completing work on the new plaza outside of the Hall of History
Breslin Student Events Center – facility upgrades (CP14110)

View of building exterior showing new art installation
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Construction Junctions continue monthly

Presentations will be available on the Construction Junction website around the seventh of each month.

Thank you for your interest, and we hope you’ll visit us again soon!