CONSTRUCTION PLANNING AND PROGRESS MEETING
BROUGHT TO YOU BY INFRASTRUCTURE PLANNING AND FACILITIES
May 2018

Twitter hashtag #msuconstruction
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

Roads and parking lots

New projects
• T.B. Simon Power Plant – coal hopper demolition

Project updates
• Wilson Road extension
• Interdisciplinary Science and Technology – construct original building
• Business College Complex – Addition No. 2 – Pavilion
• FRIB – High Rigidity Spectrometer (HRS) and Isotope Harvesting Experimental Vault
• FRIB – Cryogenic Assembly Building (CAB)
• Cook Hall – building renovation
• Jenison Field House – renovations
• IM Sports – West – replacement of indoor turf surface in room 161
Step 2: Authorization to proceed

- Strategic academic development – STEM Teaching, Learning and Interdisciplinary Research Facilities
- T.B. Simon Power Plant – distribution bus reliability and expansion
- T.B. Simon Power Plant – coal hopper demolition

Step 3 – Bid and contract award

- Water Distribution - campus water system improvements
Step 2: Authorization to proceed

- Abrams Planetarium – Addition 1 – classroom and catering
- Biochemistry – upgrade PCB transformers and electrical equipment
- T.B. Simon Power Plant – RICE – construct original building
Roads and parking lots
Summer roadway and parking lot asphalt maintenance

Summer 2018 roadway milling and repaving (May through July)
Parking lot striping – May 29 through August 3 (all season)

Ramp #3 (Wharton)
Lot 91 (Service Rd.)
Lot 83 (Service Rd.)
Summer roadway and parking lot asphalt maintenance

Parking lot striping – May 29 through June 8

Lot 31 (Hubbard Hall)
Lot 29 (Hubbard/Akers)
Lot 20 (Holmes Hall)
Lot 41 (Planetarium)
Project manager:
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Why?

• To remove elements of the decommissioned coal yard and coal handling facilities from the T.B. Simon Power Plant site.
Project goals

- Avoid capital renewal funding and maintenance costs for retired systems
- Prepare for future site development
- Demolition removes certain retired systems from emergency and security monitoring services including potential hazards from aging structures

Project scope

- Demolition of yard area coal handing facilities, including underground hoppers and certain above ground structures
Impacts

• Public circulation and parking will not be affected
• Power Plant yard area circulation will be coordinated
• Known hazardous materials located within the limits of this demolition will be properly abated with the cooperation of MSU Environmental Health and Safety (EHS) who will be engaged for all excavation activities.

Schedule

• Construction start: August
• Ready for use: October
Retired coal systems scheduled for removal – viewed from the south

- Underground coal conveyance hoppers
- Coal conveyor gallery and grade house
- Infill of gallery opening in transfer tower
Construction representative:
Chris Barnes
cbarnes@ipf.msu.edu
(517) 355-1628
Project milestones (a list of accomplishments/project phases completed during the past month)

- Site has been under construction since early March
- West Fee Hall parking lots, walks and utilities are currently under construction
- Fee Hall water service has been tied into the new water main

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

- Patient, visitor, faculty and staff parking has been maintained
- Pedestrian detours to Fee Hall (east and west) are in place
- Fee Road detour is established
- Wilson Road, between Shaw Lane and Veterinary Medicine, is set to close 5/19/18 as new West Fee parking lots open
- Fee Road, east of South Hubbard Hall and the loading dock is also set to close 5/19/18
Construction phasing (May 1 – May 18)
Construction phasing (May 19 – June 19)
Walk removal in front of West Fee Hall
Pedestrian detour along Fee Road
View east – along new parking lot at Fee Hall loading dock entrance
Sidewalk construction at West Fee Hall
Light pole installation in front of West Fee Hall
Construction representative:
Andy Linebaugh
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(517) 432-7103
Interdisciplinary Science and Technology – construct original building (CP16304)

Project location
Project milestones (accomplishments/project phases completed during the past month)

- Installation of metal siding has begun
- Elevator equipment has arrived

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

- Construction traffic will continue to be heavy on Service Road
Metal siding installation has begun
Restrooms ready for tiling
The art of electrical conduit installation
Atrium taking shape
Seating area steel structure installation
Interdisciplinary Science and Technology – construct original building (CP16304)

Project webcam

https://app.oxblue.com/open/RockfordCon/InterdisciplinaryScience
Construction representative:
Carol Cool
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(517) 353-8619

Interdisciplinary Science and Technology – construct original building  (CP16304)
Project milestones  *(accomplishments/project phases completed during the past month)*

- Building envelope construction has begun (glass, brick and metal panels)
- All concrete floors have been poured
- Mechanical, electrical and plumbing rough-ins have begun on first floor

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

- Sidewalks traveling north and south between Shaw Hall and Business College complex remain closed.
Main entrance – from Shaw Lane
West elevation, from Shaw lane and from the Red Cedar River
Northwest elevation
Site logistics plan
Project webcam

https://app.oxblue.com/open/MSU/EliBroadPavilion
Construction representative:
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FRIB – High Rigidity Spectrometer (HRS) (CP16108)
Project milestones *(accomplishments/project phases completed during the past month)*

- Utilities inside of existing structure (scheduled for demolition) have been removed
- Primary utility rerouting around construction site (inside NSCL/FRIB) is complete

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

- Demolition of existing structure is scheduled
Existing building scheduled for demolition
Existing utilities that have been removed prior to demolition
Project representative
Todd Elkin
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(517) 908-7749
Project milestones  (accomplishments/project phases completed during the past month)

- Pedestrian walkway has been shifted closer to Wharton Center to allow for reroute of underground utilities
- Rerouted underground utilities; including the chilled water line, gas line, sanitary and storm lines

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

- Caisson work will begin April 30, and continue through the end of May
New temporary sidewalk between Wharton Center and FRIB
Rerouting new chilled water lines and supporting existing duct bank.
Backfilling underground utilities
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Project representative
Jessica Kolp
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Cook Hall – building renovation (CP16285)
Project milestones (accomplishments/project phases completed during the past month)

- Site containment fencing installed
- Major interior demolition complete
- Site work has commenced

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

- Building will remain vacated
- Sidewalk between Cook and Chittenden Halls is closed
- Sidewalk detour has been established between Cook Hall and Morrill Hall of Agriculture
Ceiling, walls and flooring removal on the first floor
Ceiling, floor and interior wall removal on the second floor
Progress on basement clean out
Preparations on east side of building for future addition
Construction representative:
Andy Linebaugh
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Cook Hall - building renovation

Project background
- Built in 1889, Cook Hall was named for Albert J. Cook in 1889. Albert J. Cook was one of the leading economic entomologists in the United States and served as the first curator of the MSU Museum. He graduated from Michigan State College in 1882 and led the zoology and entomology programs pioneered by his mentor, Manly Miles.
- 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 to preserve the University’s heritage.
- The University completed exterior renovations to the building in 2010, but has not made significant updates to its interior and the building.
- Also, the building is not accessible.
Project milestones \((accomplishments/project phases completed during the past month)\)

- Demolition of walls and ceilings on the second and third floors
- Wall framing as begun in the new third-floor classroom
- Mechanical and electrical demolition has begun throughout the first, second and third floors

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

- Access to the north half of the second and third floors is limited...alternate routes are posted
Second floor – looking toward old ticket office area
Second floor – looking toward old athletic offices
Construction representative:
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IM Sports – West – replacement of indoor turf surface in room 161 (CP17167)
Project milestones *(accomplishments/project phases completed during the past month)*

- Abatement of turf and asphalt in the arena is complete
- Existing HVAC for turf arena has been removed
- Footings for new storage and mechanical spaces are complete
- Demolition for new structural steel and door openings is complete

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

- Turf arena is closed to the public
- Pedestrian traffic at the plaza between IM Sports – West and Spartan Stadium will have limited impact from fencing and staging areas
- Domestic water and fire suppression shutdown is scheduled for Monday, May 7 – Tuesday, May 8 (off hours)
Rough opening for new egress doors and structural steel at north elevation

IM Sports – West – replacement of indoor turf surface in room 161  (CP17167)
Rough opening for new egress doors and structural steel at east elevation
New mechanical room footing wall

IM Sports – West – replacement of indoor turf surface in room 161  (CP17167)
Wall infills at south elevation
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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!