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

• Steam distribution – vault 215 structural repairs
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
- Demonstration Hall – alterations to multi-use court floor
- IM Sports – East – renovations and resurface indoor track
- Food Science – Fruit and Vegetable Lab renovation
- Communication Arts and Sciences – replace roofs (16-17 major maintenance)
- Hubbard Hall exterior masonry repair – phase three
- Wharton Center – Great Hall and Pasant Theater seat replacement
- Biochemistry – replace windows
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)

- Northbound Abbot Road - westernmost lane
- Collingwood entrance - both north and southbound
- Red Cedar Road between Chestnut Road and Wells Hall
- Westbound Shaw Lane
- Holden Hall east and west parking loops
- Eastbound Shaw Lane - southernmost lane
- Westbound Shaw Lane - southernmost lane
- Westbound Shaw Lane
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)
Parking lot striping – June 11 through June 22

Lot 21 (McDonel Hall)
Lot 22 (Owen Hall)
Lot 23 (Owen Hall)
Lot 24 (VanHoosen Hall)
Lot 25 (Owen student)
Lot 28 (Akers Hall)
Lot 34 (Wharton)
Parking lot striping – June 25 through July 6

Lot 26 (Small Vet/Oncology)
Lot 35 (Shaw Hall east)
Lot 36 (Shaw Hall west)
Lot 100 (Clinical Center)
IM Sports – East
Life Science loop
Summer roadway and parking lot asphalt maintenance

Project manager:
Matthew Fehrenbach
mfehrenbach@ipf.msu.edu
(517) 355-7750
Steam distribution – vault 215 structural repairs (CP17114)

Steam vault 215 – Wells Hall
Schedule

• Construction to begin June 13, with anticipated completion by Aug. 14

Impacts

• Pedestrian detours will be posted around work area
• Temporary entrance closures will be in place
Site logistics plan

Steamp distribution – vault 215 structural repairs (CP17114)
Project manager:
Scott Gardner
mgardner@ipf.msu.edu
(517) 432-0782
Project milestones  *(a list of accomplishments/project phases completed during the past month)*

- A portion the new parking lot at West Fee Hall was opened
- Work began on the north-south section of Wilson Road (this will become Conrad Road when it opens in early July)

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

- Wilson Road, between the Wharton Center parking ramp and Shaw Lane will close until mid August
- Various pedestrian and vehicular detours will continue until Nov. 15
- Around Aug. 16, vehicular access to Fee Hall will change from being from the east to being from the west
Construction phasing (May 19 – June 19)
Construction phasing (June 20 – July 5)
West Fee Hall entrance
New parking at West Fee Hall
Six-foot storm sewer work near Conrad Hall
Conrad Hall loop area – with Akers Hall in background
View of construction zone from the Wharton Center parking ramp
View of construction zone from the Wharton Center parking ramp
Wilson Road extension  (CP11349)

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Project manager:
Dave Wilber
dwilber@ipf.msu.edu
(517) 884-2186
Project location
Project milestones (accomplishments/project phases completed during the past month)

- Metal siding continues
- Elevator installation has begun
- Exterior masonry has begun
- Permanent power has been installed

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

- Construction traffic will continue to be heavy on Service Road
- Consumers Energy will begin installation of gas service from Hagadorn Road which may impact traffic
Metal siding continues
Bathrooms being tiled
Drywall installation
Ductwork insulation and wire pulling
Exterior masonry being installed
Project webcam

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

- Building envelope is in progress (glass, brick and metal panels)
- All concrete floors have been poured
- Mechanical/electrical/plumbing rough ins continue on the 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
- Sidewalk north of Shaw Lane will be closed through summer
Entrance from Shaw lane
West elevation from the Red Cedar River
North elevation
Connector corridor to existing north Business College
Site logistics plan
Project webcam

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

- Existing building demolition is complete
- 25 percent of existing concrete slab has been removed
- Completion of primary utility rerouting

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

- No additional impacts are expected
Existing building demolition is complete
Project representative
Todd Elkin
elkin@frib.msu.edu
(517) 908-7749
Cryogenic Assembly Building
Project milestones  *(accomplishments/project phases completed during the past month)*

- Completed underground utility relocation
- Began drilling caissons, and will begin foundation work in June
- New pedestrian walkway between FRIB and Wharton Center is complete

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

- Pedestrian walkway between FRIB and Wharton Center is open to foot traffic
Rerouting existing underground utilities
Drilling caissons
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Project manager:
Jessica Kolp
kolp@frib.msu.edu
(517) 908-7746
Project milestones

• 98 percent of demolition work is complete
• Plumbing and electrical work in the main building is nearing completion
• Commencement of paint stripping on the second floor wainscot and trim
• Reinforcement of the attic is 80 percent complete

Impact updates

• North walls of the new addition and elevator pit will be poured next week. Pedestrian detours as well as site inaccessibility remain in effect.
Construction site fencing in place
Completion of demolition work in basement areas
Commencement of stud wall installation in the main building
Commencement of stud wall installation in the main building
Excavation work for the new addition
Project manager:
Amr Abdel-Azim
amabdelazim@ipf.msu.edu
(517) 432-0323
Jenison Field House – renovations (CP16103)
Project milestones

- Third floor steel stud framing is complete
- First floor mechanical/electrical rough-ins continue
- Third floor mechanical/electrical rough-ins continue
- Second floor steel stud framing is in progress

Impact updates

- Floor access to the north half of the facility is limited. Alternate routes are posted.
- Lower-level locker room access will be impacted by first floor mechanical/electrical rough-ins. Coordination is on-going with Jenison staff
North side second floor (main east/west corridor)
North side second floor – new coaches office area
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Project manager: Matt Postma
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(517) 353-9223

Jenison Field House - renovations

Project background

- Jenison Field House, built in 1940, was the home of Spartan basketball until 1989 and, thus, the home of the men’s basketball when Magic Johnson helped lead that team to its first NCAA Championship in 1979.
- It is now the location of the main administrative and ticket offices of the Department of Intercollegiate Athletics, as well as home to the MSU volleyball, baseball, softball, cross country, track and field, rowing, women’s gymnastics, men’s soccer, women’s soccer, and field hockey programs.
- While Jenison has a rich history, it no longer meets the needs of the Division I athletic programs.
- In the last decade MSU’s revenue sports facilities have undergone major facelifts; the programs in Jenison are operating in out-of-date facilities that compare poorly to those of other Big Ten institutions.
- Intercollegiate Athletics will move its administrative and ticketing offices to 1855 Place in late 2017, creating more space for programs.
IM Sports – West – replacement of indoor turf surface in room 161 (CP17167)
Project milestones (accomplishments/project phases completed during the past month)

- The existing turf grass flooring system has been fully abated
- New egress door openings roughed in
- New mechanical room has been constructed
- Installation of new air distribution system with air handler, fire sprinkler system and LED lights
- Ceiling has been painted

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

- Temporary barrier-free entrance has been installed at the northeast entrance until the new exterior entrance and barrier-free flat work can be installed
Existing condition prior to start of construction
After abatement of turf grass floor
New HVAC systems, fire sprinkler system, LED lighting and painted ceiling
New exterior egress doors being installed
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Project manager: Scott Gardner
mgardner@ipf.msu.edu
(517) 432-0782
Demonstration Hall – alterations to multi-use court floor (CP17166)
Project milestones (accomplishments/project phases completed during the past month)

- Demolition of arena floor, dasher board system with netting, concrete floor, bathroom fixtures and partitions
- Hallway ceiling tile abatement is complete
- New level concrete floor has been installed
- Continued work on new lighting installation and abatement of mechanical systems

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

- Approximately five to eight parking spaces south of Demolition Hall will be inaccessible
Condition prior to start of construction
New level concrete floor and lighting being installed
New level concrete floor and lighting being installed
Bathroom demolition in progress

Hallway ceiling post abatement
Project manager:
Scott Gardner
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(517) 432-0782
IM Sports – East – gym and track renovations (Healthy Campus Initiative) (CP17168)
Project milestones *(accomplishments/project phases completed during the past month)*

- Completed running track abatement and protective flooring installation over gym floor
- Continued demolition of the block wall between the gymnasiums, and removal of the running track interior wall

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

- Temporary hallway has been constructed to allow access to half of the racquetball and other courts
- Pedestrian pathway between IM Sports - East and Wharton Center parking ramp has been detoured for the duration of this project
Installed gymnasium floor protection and beginning of interior track wall demolition
Demolition of the block wall between both gymnasiums in progress
Demolition of the block wall between both gymnasiums in progress
Existing track surface after abatement and grinding
IM Sports – East – gym and track renovations (Healthy Campus Initiative) (CP17168)

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Project manager:
Scott Gardner
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(517) 432-0782

I.M. Sports East – phase one - gym and track renovations (Healthy Campus Initiative)

Project background

- Health and wellness is a priority of the MSU campus community, as reflected in the Boldt by Design Framework and the Health Campus Initiative.
- Consistent with that priority, the University invests in and supports a wide range of recreation and fitness activities, programs, and facilities that are accessible to students, faculty, and staff.
- The level of demand, an aging infrastructure for the three primary intramural facilities, and an emphasis on creating and supporting a culture of health and wellness resulted in the need to undertake a strategic planning effort.
- Over the past two years, efforts have been made to develop a broad-based approach to enhancing recreation and fitness opportunities.
- The Provost initially established an exploratory committee with representation from students, faculty, staff, and external advisors to guide and inform planning. Following this exploratory committee planning, consultants were engaged to assist with the development of a health and wellness framework plan to guide reinvestment that
Food Science – Fruit and Vegetable Lab renovation (CP17140)
Project milestones *(accomplishments/project phases completed during the past month)*

- Second-floor storage is complete, and food processing equipment has been relocated.
- Evaluation for temporary HVAC solutions for classroom 223 has begun. This room will eventually be connected to the new air handler once it is installed in October.
- Autoclaves have been relocated and are operational, in preparation for the new mechanical shaft.
- Cabinets are ready for installation in the new analytical lab (room 115A).
- Commencement of asbestos abatement.
- Demolition of the third-floor mechanical room will wrap up on June 15.

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

- Four parking spaces in Lot 43 will be inaccessible until Aug. 17 (for construction dumpsters).
- Periodically, seven parking spaces will be barricaded for crane lifts. Advance notice will be given.
- Estimated three-hour shutdown to the fume hood exhaust system on the north side of the building (for ductwork rerouting).
Second-floor storage area with new six-foot door for equipment
Relocated autoclaves on second floor
Temporary ductwork to the lab that will serve as a classroom beginning fall semester
Air handler demolition in the third-floor mechanical room
Preparation for asbestos abatement in the first floor plant
Project manager:
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Communication Arts and Sciences – replace roofs (16-17 major maintenance) (CP16203)
Project milestones (accomplishments/project phases completed during the past month)

• Construction began May 7

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

• Smells from the tar kettles are expected, however carbon filters have been installed on the building intake to minimize odors.
Roofing tear off starting on the east penthouse roof
Setup area of tar kettles
Debris shoot installed on south side of building
Project manager: Brandon Charland
bcharland@ipf.msu.edu
(517) 884-6099
Project milestones *(accomplishments/project phases completed during the past month)*

- Suspended scaffoldings and hoists are in place
- Building envelope repair has begun

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

- Building wing will remain inaccessible throughout construction
Starting window and brick removal on the west side and north stair tower
Masons removing bricks for horizontal support (lintel) replacements
Project manager:
Carol Cool
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(517) 353-8619
Project milestones *(accomplishments/project phases completed during the past month)*

- Demolition of seats, removal of existing handrails and carpet removal are complete in the Pasant Theater

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

- Epoxy flooring renovation in the Pasant Theater (June 6 – 8) will create odors. Roof hatches will be opened and fans will be in place to improve air circulation and ventilation.
Commencement of seat removal in the Pasant Theater
Before and after views of the seat, handrail and carpet removal in the Pasant Theater
Project manager: Jessica Kolp
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(517) 908-7746
Project milestones

• Replacement windows have arrived on site
• Staging areas have been prepared to the north and east of the building

Impact updates

• North first-floor window replacement to begin May 31, with south side floors following one-by-one (top floor to bottom)
• Inaccessibility of affected interior spaces as window replacements progress. Schedule is being fully coordinated with building occupants to minimize disruptions.
• Loading dock will remain open, but parking on the south side will be partially obstructed at times during the south-side phase of construction.
Barriers in place at the north side of Biochemistry
Abatement underway
Window arrival
Project manager: Kristin Pennock
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Construction Junctions continue monthly

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