CONSTRUCTION PLANNING AND PROGRESS MEETING
BROUGHT TO YOU BY INFRASTRUCTURE PLANNING AND FACILITIES
January 2019

Twitter hashtag #msuconstruction
In the coming months, there will be significant changes to how we share IPF-related information and construction updates.

We are piloting a newsletter that will highlight IPF people, projects, accomplishments and initiatives.

Construction Junction presentations will eventually be included in this newsletter.

Stay tuned for more information!
MSU Board of Trustees updates

Campus Snow Plan

New projects:
• McDonel Hall – replace deteriorating main water supply lines.

Project updates:
• Interdisciplinary Science and Technology – construct original building.
• Business College Complex – Addition No. 2 – Pavilion.
• Strategic academic development – STEM teaching, learning and interdisciplinary research facilities.
• Cook Hall – building renovation.
• Jenison Field House – renovations.
• Water distribution – campus water system improvements.
• Music Building – Addition No. 3.
Step 2: Authorization to proceed:

- McDonel Hall – replace deteriorating main water supply lines.
- Cowles House – Addition 3 and site renovations.
Step 2: Authorization to proceed:

- Veterinary Medical Center – replace HVAC-1 and HVAC-21.
- University Research Containment – Biological Safety Level 3 Research Laboratory.
CAMPUS SNOW PLAN
It’s snow season. Be snow safe!

- Don’t rush – give yourself time to get to work
- Drive carefully
- Dress warmly
- Wear sensible shoes
- Watch where you are walking
- Shorten the length of your stride while walking
- Check the forecast before heading outside
Safety

- Do not dart in front of or behind snow-removal equipment. It is large, loud and difficult to stop quickly.
- Make eye contact with snow-removal equipment operator before crossing in front of them.
Salt and ice-melt compound

- Dial (517) 355-1855 to report icy spots on campus.
- Please remember that it takes time for the ice-melt compound to take effect.
Your help is needed!

If you see an icy area, please sprinkle it with ice-melt compound.
Please help us keep walking surfaces clear of snow and ice this winter.

The ice-melt compound is an environmentally friendly alternative to salt that is provided by your Infrastructure Planning and Facilities partners in snow removal:
• Building Services–Custodial Services
• Landscape Services

Thank you for your help!
Sidewalks

• Do not park so close to the sidewalk that your car’s bumper hangs over it.
Parking lots

- Avoid parking in sections of a lot that have not yet been cleared.
- Park where it’s been plowed or wait a few minutes for the driver to finish and then park in the cleared lot.
Residence hall parking loops

• Parking is prohibited in residence hall loops from 2 to 6 a.m.
• With 65 people plowing, 26,000+ spaces must be cleared before 6 a.m.
To request services or to report dangerous spots on campus, call ContactMSU@ (517) 355-1855.
McDonel Hall – replace deteriorating main water supply lines (CP18180)
Background:

- McDonel Hall was constructed in 1963.
- The galvanized domestic hot and cold water supply system is original to the building, and is approaching the end of its useful life.
- Further repairs are no longer effective, and the galvanized piping needs replacement.

Project scope:

- Replacement of all galvanized domestic hot, cold and hot water return lines; and one domestic cold water riser.
- Abatement on all piping that will be replaced.
- Removal of ceiling in basement corridors.
- Replacement of light fixtures with LED units.
Impacts:

• Classrooms, offices and engagement areas in the basement will have limited access.
• No impact on parking and pedestrian traffic outside of the building.

Schedule:

• Construction start: May 6.
• Ready for use: Aug. 16.
McDonel Hall – replace deteriorating main water supply lines (CP18180)

Area of work in basement
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Project Representative
Bryan Anderson
ande1101@msu.edu
(517) 432-0583

McDonel Hall – replace deteriorating main water supply lines (CP18180)

Replace domestic water service (McDonel, Wilson and Owen Halls)

Background:
- Owen Hall, Wilson Hall, and McDonel Hall were constructed from 1961-1963.
- Each of these buildings has its original water supply system, which are at the end of their useful life.
- Further repairs are no longer effective and the system must be replaced.

Project scope:
- As planning begins, the project is anticipated to include replacement of the water supply lines in Owen, Wilson, and McDonel Halls.
- The administration will return to the Board for authorization to proceed on each hall as separate projects.
Project location
Project milestones:

• Generator exhaust piping to the top of the building completed.
• Feature wall covering finished.
• Punch out (last-minute, small details to be finished in a construction job) of the second floor completed.

Impact updates:

• Traffic on Service Road will continue to be heavy due to product delivery.
Prepping vivarium walls for high performance wall finish system
Completed vivarium high performance wall finish system and equipment installation
Vivarium cage wash equipment
Finish work on the second floor – awaiting furniture delivery
Project webcam

https://app.oxblue.com/open/RockfordCon/InterdisciplinaryScience
Project manager: Carol Cool
coolcaro@msu.edu
(517) 353-8619
Business College Complex - Addition No. 2 - Pavilion (CP14217)
Project milestones:

- Wood slat ceiling and interior glass walls are complete.
- Painting has started on the first floor.
- Installation of lighting fixtures is in progress.

Impact updates:

- Sidewalks traveling north and south between Shaw Hall and Business College complex remain closed.
Preparing for terrazzo flooring installation on second floor
Looking north from the grand stairs
Southern main entrance
Site logistics plan
Project webcam

https://app.oxblue.com/open/MSU/EliBroadPavilion
Construction representative:
Tony Rhodes
rhodesa1@msu.edu
(517) 432-7104
Project location
Project milestones:

- Auger cast pile rig is on-site and pile installation has begun.
- Topsoil from the site has been removed and stored for re-use.
- M.E.P. demolition is on-going inside the Shaw Lane Power Plant.
- A new concrete floor is being installed in the Annex basement.

Impact updates:

- Increased construction traffic around the Shaw Lane / Red Cedar Road intersection (in the vicinity of the old Shaw Lane Power Plant).
The underground auger cast pile rig is on-site and being assembled
Topsoil has removed from the site and stored for re-use
New underground water retention system has been installed in the north-west corner of the site.
View of the west façade showing the temporary roofing and window film installation
Annex basement being prepared for new concrete floor installation
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Project manager:
Ken Gottschalk
gottsc20@msu.edu
(517) 353-7234

Strategic academic development – STEM teaching, learning and interdisciplinary research facilities (CP17133)

Project background
- It is anticipated that MSU academic units will continue to experience significant growth in STEM-related teaching.
- More than a third of the university’s teaching laboratories are housed in facilities that are over 40 years old. Modern design strategies that support best practices in teaching and research and reflect shifts in instructional methods, use of technology, code compliance and emphasis on team-based and self-guided learning are difficult to achieve programatically and are not cost effective in many of our older facilities.
- In addition, over the past ten years, enrolled credit hours in STEM and STEM-related courses have increased by 38 percent. Construction of a new laboratory instructional space supporting STEM disciplines is necessary to accommodate this.

Artist aerial-view rendering of new facility (tentative - pending scope finalization)
Cook Hall – building renovation (CP16285)
Project milestones:

- Project is 99% complete with just a few punch list items remaining.
- Staff began occupying the lower level on Dec. 17.
- Graduate student move in occurred during winter break.
- First and second floor area occupation is in progress.

Impact updates:

- N/A
Completed new addition
Completed new addition - entrance
Completed new addition - entrance
Main entrance foyer
Cook Hall – building renovation (CP16285)

First floor – main room
Ground floor – collaboration room
Project manager: Amr Abdel-Azim
abdelazi@msu.edu
(517) 432-0323
Project milestones:

• Finishes and casework are complete.
• Furniture installation will start the week of Jan. 7.
• Graphic installations will be completed by Jan. 15.

Impact updates:

• Temporary detouring of egress route.
• General construction noise.
Painted hardwood planking in new welcome area
New white board storage closet in soccer team suite
New mail/copy room
Project manager:
Matt Postma
postmama@msu.edu
(517) 353-9223
FRIB - Cryogenic Assembly Building (CAB)
Project milestones:

- Completed underground plumbing and electrical, as well as the slab on grade.
- Completed steel erection.
- Currently installing roof decking and temporary enclosure.

Impact updates:

- N/A
Slab on grade complete
Steel erection in progress
Steel erection in progress

East face

West face
Roof deck Installation
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Project manager:
Jessica Kolp
kolp@frib.msu.edu
(517) 908-7746
Project milestones:

• Caissons are complete.
• Building foundations and caisson caps are underway.
• Waterproofing for experimental pit is underway.

Impact updates:

• N/A
Waterproofing installation in Experimental Pit
Foundation and caisson cap installation
Concrete beam installation in progress
Project representative
Todd Elkin
elkin@frib.msu.edu
(517) 908-7749
Water distribution – campus water system improvements (CP16086)
Project milestones:

- Precast roof planks have been installed in plant.
- Plant roof membrane will be installed in January when the weather permits.
- Interior masonry walls are nearly complete.
- Rough in for electrical and plumbing has begun.
- The pouring of the concrete base for the water tower will continue throughout January.
- Black thermal blankets protect the newly poured concrete from freezing until the concrete is adequately cured.

Impact updates:

- Service Road will be closed the first week of January for the installation of a new water main.
Water distribution – campus water system improvements (CP16086)

Water tower base
Progress on concrete work at the treatment plant
Water distribution – campus water system improvements (CP16086)

Project webcam

https://app.oxblue.com/open/MSU/watertreatment
Project manager:
Robert Nestle
nestle@msu.edu
(517) 355-3372
Project milestones:

• Spread footings and basement wall concrete pours are nearing completion.
• Basement floor slab pours and first floor decking installation to proceed through February.

Impact updates:

• Pedestrian travel is being maintained diagonally through the site.
• Noise impacts due to typical construction activity are expected throughout the project.
View from the SW corner of the new basement level looking east (left) and north (right)
North basement wall and concrete support columns (left) and construction of additional support column formwork (right)
Project webcam

Project manager:
Todd Wilson
wilsont@msu.edu
(517) 432-4355
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Watch for updates!

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