CONSTRUCTION PLANNING AND PROGRESS MEETING
BROUGHT TO YOU BY INFRASTRUCTURE PLANNING AND FACILITIES
March 2017

Twitter hashtag #msuconstruction
PLEASE LET US KNOW HOW WE’RE DOING

• We want your thoughts and suggestions about how you feel about this new 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.

• Thank you in advance!
MSU Board of Trustees updates

Campus Snow Plan

Cold weather water intrusion

New projects
• Wells Hall – replace induction units in building sections C and D

Project updates
• Grand Rapids – real estate and research facility development
• Facility for Rare Isotope Beams – building structure
• 1855 Place
• Breslin Student Events Center - facility upgrades
Step 2: Authorization to proceed

- Engineering Research Complex - Addition and Renovations (Fraunhofer Center Expansion)
- Wells Hall – replace induction units in building sections C and D

Step 3: Bid and contract award

- Parking Lot 92 – reconstruction and expansion
- Wharton Center – replace roofs (16-17 major maintenance)
- Roads – Trowbridge Road – repaving Harrison Road to Oyer
Step 2: Authorization to proceed

• Wilson Road extension
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 out in front of or behind snow-removal equipment. It is large, loud and difficult to stop quickly.
• Make eye contact with a snow-removal equipment operator before crossing in front of him/her.
Salt and ice-melt compound

- Dial 353-1760 to report icy spots on campus.
- It takes time for the ice-melt compound to take effect.
Campus Snow Plan

Brine versus no brine
Brine versus no brine
Remember... your help is needed!

WALKWAY ICE MELT

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!

INFRASTRUCTURE PLANNING AND FACILITIES
WE KEEP MSU RUNNING
ipf.msu.edu • Call 353-1760
Sidewalks

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

- Avoid parking in the part of a lot that has not yet been cleared.
- Park where it’s plowed or wait a few minutes for the driver to finish and then park freely 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 353-1760.
• If you can’t call, tweet IPF (@MSUFacilities) to report snow concerns (and to send photos).
• For more information on MSU’s snow-removal plans, visit ipf.msu.edu.
  o Snow and ice removal services: http://ipf.msu.edu/services/snow-and-ice-removal.html
  o Green practices for snow removal: http://ipf.msu.edu/green/practices/snow-removal.html
• E-mail feedback, suggestions and comments to snowplan@ipf.msu.edu.
Cold weather water intrusion events
Important points to remember

• With extreme cold temperatures, plumbing and HVAC infrastructure can be vulnerable to freezing and breakage.
• Warmer temperatures do not mean the end of winter plumbing problems; many issues do not present themselves until after the thaw has begun.
• As temperatures warm, snow and ice melt can also cause water intrusion into structures.
• It is imperative to report any water intrusion events as soon as possible to IPF at 353-1760.
• We keep MSU running 24/7/365.
Cold weather water intrusion events

Customer calls IPF at 353-1760 with the following information at hand:
- Building, room, lab?
- Caller, phone number?
- Is water puddled (standing)?
- Is the water still flowing?
- How many inches?
- Carpeted floor?
- Water on drywall?
- Is it clear or does it have color?
- Is there an odor?
- Does the caller know the cause?
- Source?
- Is it due to departmental equipment (account number or department name)

Operator will then notify IPF first responder.

IPF first responder assesses the situation, contacts the customer as necessary and dispatches appropriate personnel to area.
IPF’s goals

• Stop further intrusion of water
• Limit damage
• Provide the fastest service possible
• Minimize displacement of staff and disruption of work
Cold weather water intrusion events

Examples of past events
Cold weather water intrusion events

Examples of past events
Cold weather water intrusion events

Call IPF at 353-1760

We keep MSU running 24/7/365
Wells Hall – replace induction units in building sections C and D (CP16195)
Why?

- Originally constructed in 1967, these units have exceeded their useful life and have become impossible to maintain.

Project goal

- Replacement of aging induction heating/cooling units throughout Wells Hall.
Impacts

• Each faculty office within “C” wing will need to be occupied for construction for a period of two to five days (actual time TBD), emphasizing the importance of coordination with the departments and schedule compliance by the contractor.

Schedule

• Construction start: May 8
• Project completion: TBD
Wells Hall – replace induction units in building sections C and D (CP16195)

Area of work (all floors – in yellow)
Wells Hall – replace induction units in building sections C and D (CP16195)

Construction representative:
Todd Wilson
tdwilson@ipf.msu.edu
(517) 432-4355

Wells Hall – replace induction units in building sections C and D

Project phase: Planning/Design

Project details:
- Originally constructed in 1967, these units have exceeded their useful life and have become impossible to maintain.

Project scope:
- Replacement of aging induction heating/cooling units throughout Wells Hall.

Impacts:
- Each faculty office within “G” wing will need to be occupied for construction for a period of two to five days (actual time TBD), emphasizing the importance of coordination with the departments and schedule compliance by the contractor.

Timeline:
- Construction start: May 8
- Project completion: TBD

Questions?
- Todd Wilson, construction representative, tdwilson@ipf.msu.edu, (517) 432-4355
Location

- Off-campus project
- Gateway to North Monroe neighborhood and medical mile
- Prominence of the site
  - Downtown\convention center
  - Medical mile
  - Transportation planning
  - River restoration project
Schedule

• Construction start: June 2015
• Substantial completion
  o Original scope: July 2017
  o Site work: Aug. 2017
  o Fifth-floor fit out: Sept. 2017
• Project opens: Dec. 2017
Site work

Plaza and Michigan Street streetscape construction: Aug. 2016 – April 2017

Surface parking construction: Spring 2017
Michigan Street and Monroe Avenue Plaza
Entry plaza and terrace progress
South elevation precast columns
Atrium view – east
Second floor lab benches
Second floor fume hood
Project webcam

http://oxblue.com/open/msu/grrc
Grand Rapids – real estate and research facility development  
(March 2017)

CONSTRUCTION.MSU.EDU

MSU Design representative: Dick Temple
dick.temple@hc.msu.edu
(616) 234-2603

Construction Manager: Chad Webster
Clark Rockford JV
cwebster@clarkcc.com
(231) 344-2063

MSU Project representative: Mike Morgan
Mike.Morgan@KramerMG.com
(517) 999-9194
FRIB location

Project site
FRIB traffic and pedestrian routing during construction

Present to June 2018
- Restripe and turn over one west-bound and two east-bound lanes
  - Site fence moved south
  - Bike path open

July 2018
- All four lanes of Wilson Road will be re-opened
Rendered perspective – southwest view
Rendered perspective – southeast view
Rendered perspective – northeast view
FRIB Construction Progress

Cryo lines in the LINAC tunnel looking west
FRIB Construction Progress

Helium compressors in the compressor room
Mezzanine in the cold box room
Project Representative:
Brad Bull
bull@frib.msu.edu
(517) 908-7751

Additional Information:
www.frib.msu.edu
Project location
Why?

• Create a living environment that supports both single students and student families around the resources they need to be academically successful

• Create an institutional asset to further our world class land-grant mission

• Consolidate office spaces from across campus, freeing up space for academic programs while saving resources and improving communication

• Create synergies between Residential and Hospitality Services and Intercollegiate Athletics
Project scope

• 102,000 square foot mixed use office building (LEED Silver)
  o RHS offices
  o Intercollegiate Athletics offices
  o Retail
• 438,000 square foot student apartments
  o Single student apartments (Studio, 2BR, 4BR)
  o Family housing apartments (1BR, 2BR)
• Parking (2,075 spaces)
  o Deck
  o Student (apartments)
  o Event\staff
• Funding Source – auxiliary funds
  o RHS
  o Intercollegiate Athletics
  o Parking
Timeline

- Construction start: Summer 2015
- Parking Ramp 7 open: April 2016
- Family Student Housing Unit occupancy: August 2016
- Single Student Housing Unit occupancy: August 2017
- Starbucks, Marketplace, Apparel Shop and Ticketing Office open: August 2017
- Office building, Hall of Champions and Housing Assignment Office occupancy: October 2017
Site selection and existing conditions

- **University Village**: To Remain
- **Event Parking**: To Be Relocated on Site
- **Police Pole Barn**: To Be Replaced
- **Scene Shop Pole Barn**: To Be Replaced
- **State Police Bldg.**: To Be Demolished
Site plan
Phase one site phasing plan – September 2015
Phase two site phasing plan – August 2016
Site plan – aerial view

- Family apartment buildings
- Existing University Village
- Parking Ramp 7
- Building “D”
- Building “C”
- Building “B”
- Building “A”
- Office building
- First-floor retail

1855 Place (CP13351)
February 2017
Office\mixed-use building – view from southeast
View of mixed-use building from Harrison and Kalamazoo
Office/Retail building – south elevation
Office/Retail building – east elevation
Office/Retail building – corridor outside of the Apparel Shop/Starbuck’s
Office/Retail building – office construction
Office/Retail building – fourth floor feature wall construction
Single-student housing building end caps - exterior
Single-student housing building end cap interior
Project webcam

http://oxblue.com/open/Walbridge/SpartanVillage
Project representative:
Andy Linebaugh
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(517) 432-7103
Why?

- To enhance the student, alumni, fan and public experience by improving the functionality of the Events Center
- Create a lasting legacy by integrating a sense of Spartan tradition throughout the facility
- Extend the useful life of the building by improving services to the fans and implementing major maintenance items
Project scope

• Phase one:
  o 22,000 square foot addition around building
  o Expand concourse
  o Renovate/upgrade restroom facilities, increase fixture count
  o Renovate concessions stands
  o Improve entry vestibules to main concourse
  o Improve finish levels and experience on concourse
  o Improve site conditions for ingress and egress
  o Improve site security
  o Replace chiller system
  o Connect to East Lansing water system

• Phase two:
  o 30,000 square foot addition
  o Create sense of main entry; destination to the building
  o Create a Basketball Hall of History
Timeline

• Construction start: January 2016
• Ready for occupancy: August 2017
Phases one and two – floor plan concourse scope outline
Site improvements

Hall of History Site Plan

1. Ramp location for Kalamazoo Street mid-block crossing
2. Satellite truck and ambulance parking area
3. Existing crosswalk location
4. New crosswalk to coordinate with new Special Housing Needs project
5. Concrete site wall, with planting bed
6. Regrade parking lot to meet ADA requirements
7. Drop-off zone
8. Proposed Hall of History Plaza
Project phasing plan – March 1 through March 25

Breslin Student Events Center – facility upgrades (CP14110)

March 2017
Project phasing plan – March 26 through May 1

**North Concourse Entrances, Restrooms and Concessions Open**

Entrance Closed 3/27 thru 4/17

MAGIC STATUE RELOCATION 4/17 THRU 4/28

Elevator, Berkowitz Corridor, Stair, Ticket Office Closed

Men's Basketball Locker Room Renovation

Flagged Deliveries

Pedestrian Path
Site Fencing
Building Egress
Pedestrian Detour
Truck Entrance Route
Driveway Relocation Area
Concession Designation

Breslin Student Events Center – facility upgrades (CP14110)
March 2017
Phase two – exterior – Hall of History
Exterior of the Hall of History addition
Concourse restroom/concessions expansion and Hall of History addition
New Ticket Office
New chillers
Hall of History - interior
Breslin Student Events Center – facility upgrades *(CP14110)*
March 2017

Hall of History – entrance
Project webcam

http://oxblue.com/open/MSU/Breslin
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IPF website

- Alerts feed
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Construction Junctions continue monthly

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

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