CONSTRUCTION PLANNING AND PROGRESS MEETING
BROUGHT TO YOU BY INFRASTRUCTURE PLANNING AND FACILITIES
Thursday, January 9, 2014

Twitter hash tag #msuconstruction
NEW-AND-IMPROVED SURVEYS!

They are available on the table at the front of the room

• Please fill out your surveys and return them to the front table before you leave.

• We want your thoughts and suggestions about how you feel Construction Junction went, and what we could do to improve.

• Thank you in advance!
• **Board of Trustee updates**

• **Progress updates**
  - Munn Ice Arena – HVAC Upgrades and Ice Making System Replacement
  - West Circle Housing Complex – Infrastructure Improvements – 2014 (Phase 2 of 2)
  - North Campus Infrastructure Improvements – West Circle Drive 2014
  - Chittenden Hall - Renovation
Step 1: Authorization to Plan

- Kellogg Center – Replace Absorption Chilled Water System

Step 2: Authorization to Proceed

- Kresge Art Center – Courtyard Renovation
- West Circle Housing Complex – Infrastructure Improvements – (Phase 2 of 2)
- Veterinary Medical Center – Replace Fire Alarm System
- Bessey Hall – Renovate Third Floor
- Wilson Hall – Creative Commons Renovation

Step 3: Bid and Contract Award

- Spartan Marching Band – Artificial Turf Field
Step 2: Authorization to Proceed

- Veterinary Teaching Hospital – Nursing Care Unit Renovation
- Parking – Lot 97 (Engineering Research) Expansion
- Engineering Building – Chiller Replacement

Step 3: Bid and Contract Award

- Bessey Hall – Renovate Third Floor
- Well House 32 – New Campus Well
• **Recap: Major storm response**
  
  • Storm cleanup continues. Progress marked here:  
  
  • Social media posts throughout storm/snow days:  
    [https://www.facebook.com/MSUFacilities](https://www.facebook.com/MSUFacilities)
  
  • **Ongoing work:**
    - Clearing sidewalks, parking lots and roadways to get down to bare pavement
    - Hauling snow piles from intersections and parking lots
    - Keeping an eye on potential flooding risks with warm-up this weekend
  
  • **Your continued support is needed and appreciated:**
    - Exercise extreme caution: Walk/ride/drive slowly and carefully
    - Thank you for your patience: Huge storm = huge cleanup work
• 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
Campus Snow Plan

IPF Snow Plan video

Battling winter weather on campus
• **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.
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 between 2 a.m. and 6 a.m.
  - With 65 people plowing, 26,000+ spaces must be cleared before 6 a.m.
• **Report concerns:** call 353-1760

• **If you can’t call, use Twitter ([@MSUFacilities](https://twitter.com/@MSUFacilities))**
  - IPF Communications monitors IPF’s Twitter account.

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Vivek Iyer @brown_business
The bad and good thing about state is that they continuously plow the snow and start really early. Classes never get cancelled #MSU
Collapse
Reply Retweet Favorite More
8:40 AM - 22 Feb 13 · Details

MSU Human Resources @msuhr
RT @msuphysplant: Thankyou to our staff for running around campus in this weather attempting to keep buildings running and customers warm!
Collapse
Reply Retweet Favorite More
11:51 AM - 22 Jan 13 · Details

MaggieMikus
9:25am via Twitter for iPhone
@wtfMSU the pothole at the entrance to the IM west parking lot. That can’t be good for my car.
• 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.
Project scope:

- This project involves replacement of the ice plant, rink surface, dasher board system and glass, and also improvements to the HVAC system. The project will take advantage of energy saving technology for the HVAC system and is addressing just-in-time needs for this building.

Timeline:

- Construction start: Nov. 11, 2013
- Planned construction end: Aug. 15, 2014
Impacts:

• Periodic road impacts over the duration of the project through August
• Chestnut Road will be maintained and open during the entire time with a flagman in place.
• Pedestrian access around the site will be maintained at all times with new crosswalks to the north adjacent to Demonstration Hall and to the south at the northeast corner of Munn Field.
Exterior site overview
Phase 2 (Mid-January to season end)
Phase 3 (Season end to Aug. 15, 2014)
Overview of proposed addition and site changes
Electrical duct bank
Electrical and telecommunications duct bank, looking north
Duct work concrete pour
Rendering of northeast corner
Rendering of east elevation
Schedule

• BOT 1: Jan. 25, 2013
• Consultant procurement: September 2012 to October 2012
• CIPWG 2: April 17, 2013
• BOT 2: June 21, 2013
• Bid period: July 2, 2013 to Sept. 1, 2013
• Construction: Oct. 1, 2013 to Aug. 1, 2014
• Substantial completion or occupancy: Aug. 15, 2014
Construction representative:
Todd Wilson
tdwilson@ipf.msu.edu
517-432-4355

Munn Ice Arena – HVAC Upgrades and Ice Making System Replacement
January 2014
West Circle Housing Complex – Infrastructure Improvements – 2014 (Phase 2 of 2)
January 2014

Note: This project is contingent upon Board of Trustees approval at the January 2014 meeting.
Project scope:

• Second phase of a two-phase project
• New steam tunnel, electric service, communication ducts, and water main replacing 50-year-old services
• Improved reliability for all utility services

Timeline:

• Some early start work in March
• Visible construction complete by August
• Continue electric cut-overs through December
Impacts:

• Some parking loss to Delta Court (West Circle Housing Complex planned to be vacant for summer)
• Maintain construction access to the Landon Hall construction traffic (via West Circle Drive)
• Delta Court closed east of the Wills House driveway

Note: This project is contingent upon Board of Trustees approval at the January 2014 meeting.
Preliminary utility layout
Note: This project is contingent upon Board of Trustees approval at the January 2014 meeting.

**CONSTRUCTION.MSU.EDU**

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517-884-6740

**Construction representative:**
Kevin Durkin
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West Circle Housing Complex – Infrastructure Improvements – 2014 (Phase 2 of 2) – January 2014

The infrastructure in the West Circle housing complex dates back to the 1940’s and is in need of replacement. Failures of the direct buried piping are common and have increased in recent years. The water main in this area needs to be increased in size for effective fire-fighting capability and reliability. The existing electrical duct bank is currently full and requires additional ducts to be installed for future electrical improvements to the region of campus.

The planning of this project is anticipated to include steam and condensate piping to Willis House, Yakely-Gilchrist, and Williams Hall, along with a new water main, communication lines, and electric ducts. Replacement of the primary electrical services to these buildings will be accomplished by installing a regional substation and pad mounted transformers. The east side of the complex infrastructure (serving Mary Mayo, Campbell and Landon Halls) was completed in 2009. This project will complete the infrastructure renewal for the West Circle Housing Complex.

This project is located in Northwest campus in the courtyard areas of

[House image]
Project area
Project scope:

• This project is the third of a four-phase program to replace the deteriorating north campus arch steam tunnels, and will remove and replace the existing steam tunnels and building service leads; increase the steam distribution mains to the region; increase line capacity for high-pressure steam distribution mains and convert the condensate return from a vacuum system to a pressure return; upgrade the Museum Building’s steam service high pressure steam and pressure condensate return.

Timeline:

• Construction start: November 19, 2013
• Planned construction end: Fall 2014
Impacts:

• During construction, all the buildings in the zone of influence will be converted to high-pressure steam and pressure-condensate return lines, improving energy efficiency.

• West Circle Drive will be replaced with two traffic lanes and one bike lane (one-way traffic), providing appropriate vehicular, pedestrian, and bicyclist safety improvements.
Installation of new water main along east side of Laboratory Row
View of new steam vault 385 site looking south
Construction representative:
Andy Linebaugh
alinebau@ipf.msu.edu
517-432-7103
Project scope:

- This project involves a comprehensive renovation that respects the historical features of the exterior and interior of the building. Interior spaces to support the Graduate School program will drive the design and layout of these rooms. Additionally, the renovations will include the building infrastructure and Just-In-Time needs such as plumbing, heating ventilation and air conditioning, electrical, life safety, and data; building envelope and foundation; accessibility, including addition of an elevator and restrooms.

Timeline:

- Construction start: Nov. 19, 2013
- Planned construction end: Fall 2014
Impacts:

- Pedestrian detours are in effect near the Chittenden Hall project site.
- Lot 7 is partially closed for duration of project.
Second-floor demolition inside Chittenden Hall
Second-floor demolition inside Chittenden
Basement common area prior to demolition
First-floor open area used for demolition storage
Construction representative:
Andy Linebaugh
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517-432-7103
MDOT seeks public comment

www.michigan.gov/mdot5yearplan

The draft document includes:
• information about MDOT's funding picture
• a list of specific transportation projects planned for the next five years in each of MDOT's seven regions.

You can view the location, description and proposed construction year of upcoming MDOT projects on an interactive map online at www.michigan.gov/mdot5yearplan.
New(ish) IPF website

- Alerts feed
- Construction
- Resources
- Listservs
- Much more!

www.ipf.msu.edu
Stay connected via social media

New names to represent new IPF unit!

For updates on all things IPF follow MSUfacilities on twitter and become a fan of our facebook page – MSUFacilities. Also, check out our YouTube page at www.youtube.com/FacilitiesMSU for virtual tours of major projects on campus.
BEFORE YOU GO, VISIT THE CONSTRUCTION ‘SITE’:  

CONSTRUCTION.MSU.EDU

Key features:
• Construction projects
  – Project info
  – Contact information
• Construction detours
• Construction Junctions
• Construction listserv
Construction Junctions continue monthly

Meetings are at 8:30 a.m.
the second Thursday of the month

- Feb. 13 - Anthony Hall 1279
- March 13 - Anthony Hall 1279
- April 10 - Anthony Hall 1279

Please sign in and take a survey before you go!