PLEASE FILL OUT A SURVEY!
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 Trustees updates
• New presentation
  o Kellogg Center – Replace Absorption Chilled Water System
• Progress updates
  o West Circle Housing Complex – Infrastructure Improvements - 2014 (Phase 2 of 2)
  o North Campus Infrastructure Improvements – West Circle Drive 2014
  o Chittenden Hall – Renovation
  o Landon Hall – Dining Renovation, Building Life Safety, and Accessibility
  o Holden, Hubbard and Owen Halls – Masonry Restoration
  o Life Science – Replace Roofs 4-6, 8-10 and 13-16
  o Spartan Stadium – North End Zone Addition
• Transportation Services – self-serve car-wash video
• New interactive campus/detour map demonstration
• Alerts feed on the IPF website
Step 1: Authorization to Plan

- Duffy Daugherty Football – S.A.A.C. Renovate Team Locker Room and Training Room
- Breslin-Berkowitz – Alterations to Basketball Offices
- Breslin Student Events Center – Implement Facility Upgrades

Step 2: Authorization to Proceed

- Kellogg Center – Replace Absorption Chilled Water System
- FRIB – Building Fit-Out and Technical Procurements

Step 3: Bid and Contract Award

- Parking – Lot 97 – (Engineering Research) – Expansion
Step 2: Authorization to Proceed
  • T. B. Simon Power Plant – Sorbent Injection for Boilers 1, 2 and 4

Step 3: Bid and Contract Award
  • Well House 32 – New Campus Well
Program:

• Project goals
  o To replace existing steam-absorption chiller plant that has reached the end of its useful life
  o To provide the Kellogg Center with a reliable and efficient chilled-water cooling system

• Scope
  o Removal of both 700-ton steam-absorption plants
  o Installation of 680-ton modular chiller, in existing mechanical room
  o Replacement of cooling towers on roof, existing location to remain
  o Kellogg Center must remain in operation throughout chiller plant replacement

• Impacts
  o Harrison Road single-lane closures limited to evenings
  o Closures will not occur during athletic events
Project requirements:

• Energy and sustainability
  o Use of heat recovery for domestic hot water
  o Efficient multi-stack unit allowing for on-demand cooling load
  o Winter-free cooling

• Just-in-Time maintenance
  o Replacement of aged plant

• Hazardous building materials review
  o The University Hazardous Materials Report for this building will be referenced for design

• Utilities
  o Overall reduction in steam use
  o Increase in electrical use
  o Confirmed electrical capacity available at current building electrical substations
Site plan (project will require night-time lane closures for cooling tower removal)
Floor plan (current)
Floor plan (proposed)
Roof cooling towers (partial existing and new)
Schedule:

- Construction start: October 2014
- Substantial completion for occupancy: April 1, 2015
Design representative:
Jeff Bonk
jbonk@ipf.msu.edu
517-884-6746

Construction representative:
Kevin Durkin
kdurkin@ipf.msu.edu
517-432-2153
North view – schematic design rendering
Why?

• To provide an all-sports recruitment facility, campus-wide media center and new football locker rooms and support spaces.

• This project includes:
  o a 55,000-square-feet two-level addition,
  o adding recruiting rooms to the concourse level,
  o building new locker rooms and team spaces,
  o creating media center on the lower level of the addition,
  o adding public restrooms on the concourse level,
  o adding donor plazas at J and K gates,
  o renovating gates to comply with Homeland Security requirements.
Impacts:
• Red Cedar Road closure: May 12 – May 23
• Stadium loading dock closure: April 28 – May 16
• Various pedestrian detours

Timeline:
• Construction start: July 2013
• Substantial completion: August 2014
Northeast elevation
Northwest elevation
Construction detour plan (May 12 – May 23)
Construction detour plan (May 23 – Aug. 16)
Construction Representative:
Jason Van Zee
jvanzee@ipf.msu.edu
517-432-2675

Spartan Stadium – North End Zone Addition

Project phase: Construction

This project adds a two-level addition to the north end of Spartan Stadium. It includes an all-sports recruitment facility, campuswide media center, new football locker rooms and team spaces, support spaces, media rooms, additional restrooms, concessions, donor plazas at J and K gates, and renovated gates to enhance safety and security.

Spartan Stadium is located between Shaw Lane, Chestnut Road and Red Cedar Road in the Athletic and Recreation District.
Project area
Why?

• This is the second phase of a two-phase project.
• New steam tunnels, electric service, communication ducts and water mains will replace 50-year-old services.
• Will improve reliability for all utility services.

Timeline:

• Construction start: April 7
• Substantial completion: December 2014
  o Early work will take place from April 7 to 18.
  o Visible construction will be complete by August 2014.
  o Work will continue behind-the-scenes within buildings and underground through December 2014.
Impacts:

• West Circle Housing Complex will be vacant for summer.

• Delta Court closed east of the Wills House driveway with no access from Delta Court to Williams Hall, Gilchrist Hall, Yakeley Hall, Mary Mayo, Landon Hall and Campbell Hall.

• Maintain construction access to the Landon Hall construction site (via West Circle Drive between Landon Hall and Yakeley Hall).
West Circle Housing Complex – Infrastructure Improvements – 2014 (Phase 2 of 2)
May 2014

Utility layout
Construction detour plan (May 5 – Aug. 1)
CONSTRUCTION.MSU.EDU

Construction representative:
Jason Van Zee
jvanzee@ipf.msu.edu
517-432-2675

Design representative:
John Lefevre
jlefevre@ipf.msu.edu
517-884-6740
Project area
Why?

• This project is the third of a four-phase program to replace the deteriorating north campus arch steam tunnels. It involves:
  o removing and replacing existing steam tunnels and building service leads;
  o increasing the steam distribution mains to the region;
  o increasing line capacity for high-pressure steam distribution mains;
  o converting the condensate return from a vacuum system to a pressure return; and
  o upgrading the MSU Museum’s steam service to high-pressure steam and pressure condensate return.

Timeline:
• Construction start: November 2013
• Substantial completion: 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.

• Pedestrian detours are in effect around the project site.
Project site with visitor information sign/fliers
Contractors preparing to begin work on Vault 389.
Tree-protection fencing installed on site.
Construction detour plan (May 5 – July 15)
North Campus Infrastructure Improvements – West Circle Drive 2014
May 2014

Fliers and display boards available
Construction representative:
Andy Linebaugh
alinebau@ipf.msu.edu
517-432-7103
Chittenden Hall background:

• Built in 1901 at a cost of $15,000
• 13,500-gross-square-foot building
• Located on West Circle Drive and part of historical Laboratory Row
• Initially known as the Dairy Laboratory, designed for the production and study of dairy products
• 1913 - the dairy moved and it became home of the Department of Forestry until 1966
• 1969 - the building was formally named after Alfred K. Chittenden
• College of Agriculture and Natural Resources, Department of Agricultural Economics graduate students occupied until 1999
• 1999 to present - building vacant and awaiting renewal
Why?

• 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.

• Renovations will include:
  o Building infrastructure
  o Addressing needs such as plumbing, heating ventilation and air conditioning, electrical, life safety and data
  o Building envelope and foundation
  o Accessibility, including addition of an elevator and restrooms
Impacts:
• Lot 7 (south of Old Horticulture) is partially closed for duration of project
• Building is currently vacant

Timeline:
• Construction start: Nov. 19, 2013
• Substantial completion: Fall 2014
Project site looking northwest with visitor information sign/fliers
Attic space insulated and dormers framed in
Basement floor is poured and walls framed – still working on masonry patching
Construction detour plan (Nov. 15, 2013 – Aug. 24, 2014)
April Progress Tour

Posted on April 22, 2014

The crew at The Christman Company was kind enough to allow the Graduate School to invade their work site this morning. Craig Smith led eight Graduate School staff members through the project.
Chittenden Hall – Renovation
May 2014

Construction representative:
Andy Linebaugh
alinebau@ipf.msu.edu
517-432-7103
Landon Hall – Dining Renovation, Building Life Safety and Accessibility
May 2014

[Map of university campus with Landon Hall highlighted]
Project scope:

• The plan recommendations include consolidating West Circle culinary services, and it has been determined that Landon Hall is the best location for the neighborhood.

• The building was originally constructed in 1947 and requires major infrastructure repairs to the electrical, mechanical and plumbing systems to meet current life safety and accessibility code requirements.

Timeline:

• Project start date: June 17, 2013
• Project substantial completion: July 3, 2014
Project updates:

• Toilet fixtures, partitions, and sinks are installed in bathrooms
• Drywall is complete
• All tile in bathrooms and showers are complete
• Air-handling units are starting to be commissioned
• Window demolition is nearing completion
• Case work is starting to be placed in the dining and kitchen areas
Impacts:

• Building is closed duration of project.
• Loading dock/Landon Hall parking lot will remain closed along with the parking loop until July 3, 2014.
Welcome desk area
Tile complete and shower partitions beginning in resident bathrooms
Main level dining area
Middle level dining room area
Upper level dining area
Dining venues
Wheelchair lift elevator
Construction detour plan (May 7 – July 3)
Construction representative:
Tony Rhodes
arhodes@ipf.msu.edu
517-432-7104
Why?

• To maintain the integrity of the masonry, window curtain walls and building envelopes.

Timeline:

• Construction start: May 5
• Substantial completion: Aug. 1
• Note: Timeline has been coordinated for each of the residence halls with their sports camps and conference schedules

Impacts:

• Noise
• Dust
• Washing outside of building
Example of deteriorated masonry
Example of deteriorated masonry
Construction representative:
Ken Dawson
kdawson@ipf.msu.edu
517-353-9716
Why?
• The existing roofs have reached their useful life.

Project scope:
• Complete removal and replacement of the roofing materials

Timeline: TBD
• This project needs to be coordinated with a future Life Sciences exhaust replacement project to minimize the impact to the building occupants.
Impacts:

- Exhaust fans
- Fume hoods
- Odor
- Staging area
- Pedestrian rerouting
Roof areas

- AREA 6
- AREA 4
- AREA 5
- AREA 9
- AREA 15
- AREA 8
- AREA 11
- AREA 12
- AREA 7

ROOF AREAS TO BE REPLACED
Construction representative:
Ken Gottschalk
kjgottsc@ipf.msu.edu
517-353-7234
A driver’s-view tour of the new Transportation Services car wash
New campus/detour interactive map
Current work alert information available

Alerts Feed on IPF Website

Alerts

Scheduled downtime

Red water

Home > News and alerts > Alerts

Alerts

Alarm testing
Erickson Hall
May 23, 2014 6:00:00 AM - May 23, 2014 8:00:00 AM
Infrastructure Planning and Facilities will test the fire alarm system in Erickson Hall

Alarm testing
Bessey Hall
May 23, 2014 6:00:00 AM - May 23, 2014 8:00:00 AM
Infrastructure Planning and Facilities will test the fire alarm system in Bessey Hall

Alarm testing
Engineering Building
May 21, 2014 6:00:00 AM - May 21, 2014 8:00:00 AM
Infrastructure Planning and Facilities will test the fire alarm system in Engineering Building.
IPF website

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

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

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

• June 12 (College of Law, Room 343)
• July 10 (College of Law, Room 343)
• August 14 (College of Law, Room 343)

Please sign in and take a survey before you go!