CONSTRUCTION PLANNING AND PROGRESS MEETING
BROUGHT TO YOU BY INFRASTRUCTURE PLANNING AND FACILITIES
Thursday, July 10, 2014

Twitter hashtag #msuconstruction
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!
Today’s agenda

- **Board of Trustees updates**

- **New presentations**
  - Hulett Road Building – Food Processing and Innovation Center
  - Summer Roadway and Parking Lot Asphalt Maintenance – Milling and Re-paving
  - Breslin Center – Berkowitz Basketball Complex Alterations to Basketball Offices

- **Progress updates**
  - Spartan Marching Band – Artificial Turf Field
  - Clinical Center – C-Wing HVAC Replacement
  - Landon Hall – Dining Renovation, Building Life Safety, and Accessibility (Scope Adjustment)
  - Akers Hall Dining and Life Safety Renovation
  - North Campus Infrastructure Improvements – West Circle Drive 2014
  - Chittenden Hall – Renovation
  - West Circle Housing Complex – Infrastructure Improvements – 2014 (Phase 2 of 2)
  - Spartan Stadium – North End Zone Addition
  - Wilson Hall – Creative Commons Renovation
Step 1: Authorization to Plan

- Community Music School – Reconstruct Parking Lot
- Akers Golf Intercollegiate Golf Complex - Construct Original Building

Step 2: Authorization to Proceed

- Breslin Center – Berkowitz Basketball Complex Alterations to Basketball Offices

Step 3: Bid and Contract Award

- Well House 32 – New Campus Well
Step 2: Authorization to Proceed

- Life Sciences – Renovations – A-Wing
- Engineering Building – Chiller Replacement
- Duffy Daugherty Football – S.A.A.C. Renovate Team Locker Room and Training Room
Project Location – Off Campus
Why?

• To renovate existing off-campus building located at 3361 Hulett Road in Okemos
• To create the Food Processing Innovation Center
• Project will be completed in conjunction with:
  o State of Michigan
  o Federal grant
  o MSU funds
  o MSU Products Center Food-Ag-Bio

Impacts:

• As this is an off-campus site, there will be no impact to the Campus Master Plan.
Timeline:

• Construction start: TBD
• Substantial completion: Dec. 1, 2015
Design representative:
Jeff Bonk
jbonk@ipf.msu.edu
(517) 884-6746
Schedule and work areas:

• July 11 – 13
  o Wilson Road (west of Akers Hall)
  o Pavilion Drive
  o Intersection of Farm Land and East Circle Drive
  o IM West lot
  o Drive between Packaging and Communication Arts and Sciences
  o Lot 46 (Plant Biology)
  o Plant and Soil Sciences (east loop and lot)
  o Lot 41 (north of Farrall Hall)
  o Lot 9 (Giltner Hall)
  o Lot 38 (Erikson)
  o Lot 27 (Veterinary Medicine) – drive between building and Bogue Street and at southeast corner

• July 26 – 27
  o Lot 8 (Student Services)
Why?

• The asphalt conditions are to a point where safety is becoming a concern, and the pavement conditions will not last through another snow season with snow plowing.

Timeline:

• Work will begin around 8 a.m. on Friday, July 11.
• Asphalt milling all locations through approximately 9 p.m.
• Paving all locations and installing pavement markings from Saturday morning through Sunday evening.
Impacts:

- There will be delays, but the goal is to maintain traffic and not completely close off drives.
- Some parking spaces will be temporarily blocked while the heavy equipment operates through the drive lanes in parking lots. Once the asphalt is paved and restriped, they can reopen to traffic.
- IPF will do its best to coordinate contractor schedules to line up the equipment needed for the weekend work to minimize the inconvenience to the campus community.
- If inclement weather delays work, the areas that aren’t able to get paved will be reopened to traffic on the following Monday, allowing cars to drive on the milled asphalt. Crews will then return after 5 p.m. during the week (weather depending) to pave the remaining areas to limit the impact to the community.
Summer Roadway and Parking Lot Asphalt Maintenance – Milling and Re-paving

Landscape Construction Manager:
Adam Lawver
lawver@ipf.msu.edu
(517) 884-2321

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Berkowitz Basketball Complex
Why?

• The men’s and women’s intercollegiate basketball programs have had extraordinary success, including multiple NCAA tournament appearances, Final Four appearances and the 1979 and 2000 Men’s National Championships.

• The coaches’ offices and meeting rooms no longer meet expectations for programs of this caliber and are in need of functional, technological and cosmetic upgrades.
Project scope:

• Renovations will include:
  o Furniture replacement
  o Finish upgrades
  o Increasing storage space
  o Display improvements

• Focus will be on reception area, circulation corridors, film viewing room, coaches conference room and copy room.

Timeline:

• Construction start: April 2015
• Substantial completion: July 2015
Breslin Center – Berkowitz Basketball Complex Alterations to Basketball Offices

Floor plan – area of work – men’s basketball offices

HISTORIC WALLS
- GRAPHIC WRAPPER
- HISTORIC GAMES
- CHANGEABLE GRAPHICS

CHAMPIONSHIP WALLS
- NATIONAL TITLES
- FINAL FOURS
- BIG 10 TITLES
Existing reception area – looking west
Existing reception area - looking east
Existing corridor displays
Existing video viewing room
Existing video viewing room
Design representative:
Jeff Kasdorf
jkasdorf@ipf.msu.edu
(517) 353-5141
Project goals:
• Artificial turf will provide a safer and superior surface for the band. Intramural sports activities and other summer sports camps will also use the space.

Project scope:
• The artificial turf field will incorporate:
  o Improved drainage system
  o Infill system comprised of recycled tires
• Other improvements:
  o Band tower
  o New fencing/gate and drive relocations
  o Relocation of javelin and discus cage
  o Bleacher seating with accessible walk to accommodate 300 spectators
Impacts/timeline:

- Construction began after spring commencement in 2014.
- Summer 2014 construction will impact the southeast portion of Munn Field.
- Completion is required to accommodate marching band practice mid-August.
Spartan Marching Band – Artificial Turf Field
July 2014

On band tower – looking east
Sparty head

Band tower
Yard line marker
Spartan Marching Band – Artificial Turf Field
July 2014

Time-lapse video of turf installation

http://youtu.be/hlYPLOyrJSk
Construction representative:
Todd Wilson
tdwilson@ipf.msu.edu
(517) 432-4355

Spartan Marching Band – Artificial Turf Field
July 2014

Project phase: Construction

The Spartan Marching Band requires a dependable, safe and available football field surface for band practice in the fall, and a lighted field would provide increased safety. The band currently practices at Demonstration Hall Field, but the location is problematic because of the maintenance requirements and irrigation issues associated with a grass field. An artificial turf field will provide a safer and superior surface for the band. Intramural sports activities and other summer sports camps will also use the space.

Project Details:
• Construction of a regulation-sized, artificial-turf football field, in the same orientation as Spartan Stadium.
• This project includes a 32-foot-high band tower, spectator seating, fencing and gates, underground utility work, equipment relocation...
Clinical Center – C-Wing HVAC Replacement
July 2014

Clinical Center
C-Wing
Why?
- To replace existing aged HVAC systems with more energy-efficient systems.
- To provide chilled water to the facility year-round.
- To provide procedure space within Clinical Center for researchers.

Impacts:
- Area immediately behind the Clinical Center Animal Quarters Wing (C-Wing) will be fenced.
- Parking spaces adjacent to the C-Wing loading dock will be unavailable.

Timeline:
- Construction start: March 2014
- Substantial completion: December 2014
New procedure area
First interstitial space looking down over new procedure area
New ductwork installation
Construction detour plan (March 1 – Dec. 31)
Construction representative:
Todd Wilson
tdwilson@ipf.msu.edu
(517) 432-4355

Clinical Center – C-Wing HVAC Renovation and Procedure Space Addition No. 1

Project phase: Construction

The Clinical Center C-Wing was built in 1976, and the heating, ventilation and air conditioning (HVAC) system is nearing the end of its useful life. The HVAC system also lacks redundancy for equipment failure or scheduled maintenance outages and cannot ensure optimal research results. This section of the Clinical Center has been challenged in maintaining proper temperatures and needs updated central environmental monitoring and alarming to ensure rapid response to problems.

Project details:
- Install a new HVAC system designed to control and maintain the proper temperature, differential pressure, humidity and outdoor air exchange rate at the room level.
- New procedure space for researchers by converting office space and enclosing the adjacent overhang area on the ground level.
- Various infrastructure improvements including energy-conservation measures, deferred maintenance items, life-safety and hazardous material abatement.
- Upgrades will add redundancies to ensure continuous operation during equipment failure and scheduled maintenance to ensure optimal research results. This is critical because the Clinical Center C-Wing will be the primary facility for researchers who will be located in the new Elio Engineering Facility that is under construction.
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 West Circle 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, accessibility, and energy code requirements.

Timeline:

• Project start date: June 17, 2013
• Project substantial completion: July 3, 2014
Welcome desk area
Resident bathrooms
Main-level dining area
Middle-level dining room area
Upper-level dining area
Dining venues
Dining venues
Elevators

Freight

Resident

Accessibility lift
First-floor apartment
Construction representative:
Tony Rhodes
arhodes@ipf.msu.edu
(517) 432-7104
Why?

- Building was constructed in 1964, and is in need of major repairs to the infrastructure for electrical, mechanical, plumbing and life safety.
- Will provide a new dining facility for East Neighborhood.
- Will provide new active/quiet study lounges.

Impacts:

- Akers Road will be closed north of Akers Hall from May 12 through Aug. 12.
- Maintenance/recycling vehicles will have continued access.
- Loading dock/parking lot will be closed May 12 through Jan. 1, 2015.
Timeline:

- Construction start (Phases 1 and 2): December 2013
- Substantial completion of Phase 1 (student towers): Aug. 1, 2014
- Substantial completion of Phase 2 (dining venue): Jan. 1, 2015
Dining hall renovations
Dining hall floor plan with two interactive serving islands incorporated into seating areas
Dining facility renderings
Demolition of kitchen complete
Demolition of east ramp complete
Elevator shaft masonry complete
First-floor west bathroom demolition complete
New 8-inch water line ran into building
Akers Hall – Dining and Life Safety Renovation
July 2014

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Construction representative:
Tony Rhodes
arhodes@ipf.msu.edu
(517) 432-7104

Akers Hall Dining and Life Safety Renovation

Rendering of overhead view of Akers Hall dining room

Akers Hall Dining and Life Safety Renovation

Project phase: Construction

Akers Hall, originally constructed in 1964, requires major infrastructure repairs to the electrical, mechanical and plumbing systems to meet current life-safety and accessibility code requirements. Additionally, the Residential and Hospitality Services (RHS) Dining Master Plan calls for creating an integrated approach to neighborhood dining across campus, aligning dining capacities with projected changes in housing occupancy to meet demands and needs for any given part of campus. The plan recommendations include consolidating culinary services.
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.
Aerial view of intersection at Auditorium Road and West Circle Drive
Duct bank near Cook Hall
Sidewalk construction
North Campus Infrastructure Improvements – West Circle Drive 2014
July 2014

Construction detour plan (May 5 – July 15)
Construction detour plan (July 16 – August 16)
Fliers and display boards available
Construction representative:
Andy Linebaugh
alinebau@ipf.msu.edu
(517) 432-7103
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
Aerial view of Chittenden Hall – south side
Electrical conduit
Roof access hatch
Construction detour plan (Nov. 15, 2013 – Aug. 24, 2014)
Graduate School website features frequent Chittenden updates

Windows on West Circle
Posted on June 3, 2014

If you’ve walked past Chittenden Hall today, you may have noticed that the windows have been removed. This marks a big step forward in the Chittenden Hall renovation project, as these windows were a complicated feature.
Construction representative:
Andy Linebaugh
alinebau@ipf.msu.edu
(517) 432-7103
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).
Communication duct bank to Gilchrist and Williams Halls
Gilchrist Hall loading dock
Construction detour plan (May 5 – Aug. 1)
Construction representative:
Jason Van Zee
jvanzee@ipf.msu.edu
(517) 432-2675
Spartan Stadium – North End Zone Addition
July 2014

Spartan Stadium
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
East ticket plaza
Tunnel entrance
Construction detour plan (May 23 – Aug. 16)
Spartan Stadium – North End Zone Addition
July 2014

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.
Wilson Hall – Creative Commons Renovation
July 2014
Purpose:

- The College of Engineering, College of Communication Arts and Sciences, and the Broad College of Business, in collaboration with Residential and Hospitality Services, propose to provide a student-based business incubator environment for the fostering of future employment opportunities and furthering Michigan-based businesses.
- Further supported by connections to Broad College Institute for Entrepreneurship and Spartan Innovations
- Provide students opportunities to innovate and connect with professionals in the industry and develop skills and attitudes that will prepare them for working in large corporations
Project scope:

• Renovations to the central gathering space – C108
  o collaborative spaces
  o high-technology offerings

• Capitalize on renovation opportunities:
  o HVAC upgrades to equipment serving the space
  o replace end-of-life plumbing serving Wilson café on second floor (above C108)

Timeline:

• Start of construction: May 2014
• Substantial completion: Aug. 1, 2014
Projects impacts:

• Parking at Wilson Hall
  o Partial parking space disruption for contractor material staging *(tentative)*
  o Drive lanes and receiving dock will remain open for deliveries

• Periodic building circulation re-route for fire protection installation

• Classroom access disruption for fire protection installation

• Periodic disruption to portions of the center section HVAC system *(tentative)*
Art On Campus wall
Large breakout room
Creative commons – design concepts
Creative commons – design concepts
Creative commons – design concepts
Construction representative:
Kevin Durkin
kdurkin@ipf.msu.edu
(517) 432-2153
IPF website

- Alerts feed
- Construction
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Alerts feed on IPF website

Current work alert information available

Alerts

Scheduled downtime

Red water

Alerts

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**
Bossey 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 Bossey 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.

Campus road construction and detours
See information about campus road construction and detours.

Scheduled computer downtime
See a list of all scheduled computer downtime for IPF applications and systems.
Stay connected via social media

For updates **on all things IPF** follow [MSUfacilities](https://twitter.com/MSUfacilities) on **Twitter** and become a fan of our [Facebook](https://www.facebook.com/MSUFacilities) page – [MSUFacilities](https://www.facebook.com/MSUFacilities). Also, check out our [YouTube](https://www.youtube.com/FacilitiesMSU) page at [www.youtube.com/FacilitiesMSU](http://www.youtube.com/FacilitiesMSU) for virtual tours of major projects on campus.
Construction Junctions continue monthly

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

- August 14 (College of Law, Room 471)
  - Please note room change for August
- September 11 (TBD)
- October 9 (TBD)

Please sign in and take a survey before you go!