Today’s agenda

• **Board of Trustee updates**

• **New presentations**
  - Campus Snow Plan
  - Kresge Courtyard Renovation
  - Wilson Hall – Creative Commons Renovation

• **Progress updates**
  - Butterfield Hall – Renovation
  - Landon Hall – Dining Renovation, Building Life Safety and Accessibility
  - Bio Engineering Facility
  - 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
• Parking – Lot 97 – Engineering Research – Additional Spaces

Step 2: Authorization to Proceed
• Akers Hall – Dining and Life Safety Renovation
• Clinical Center – C-Wing HVAC Replacement
Step 1: Authorization to Plan
• Kellogg Center – Replace Absorption Chilled Water System Study

Step 2: Authorization to Proceed
• Parking – Lot 97 – Engineering Research – Additional Spaces
• Kresge 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
• 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.
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!

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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.
• 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.
Kresge Courtyard Renovation

Kresge Art Center
Summer Circle Theatre current location at Auditorium Field
Location map

Kresge Courtyard Renovation

KRESGE COURTYARD

AUDITORIUM FIELD

AUDITORIUM ROAD

FARM LANE

RED CEDAR RIVER
Project goal:

• Provide “outfitted” permanent, accessible, weather-friendly home for Summer Circle Theatre and create engaging outdoor environment for temporary art display, classes, music performance and informal gatherings.
Stakeholders

- College of Arts and Letters (theater and art)
- College of Music, especially related to renovated Fairchild Theatre use
- Resource Center for Persons with Disabilities
- MSU Police
- Curator of Woody Plants, Campus Planning
Project scope:
• Wall and pavement demolition, shrub removals, site lighting relocations
• New brick walls, walkways, stage and refreshed landscaping
• Utility work: Storm adjustments, electrical feed and lighting
• Outdoor campus art is required

Timeline:
• Construction to begin: April 2014
• Substantial completion: May 23, 2014
• Completion: June 2014 (weather dependent)
Project requirements:

- Renovations are compliant with the Campus Master Plan
- Sustainability:
  - brick from north wall will be salvaged and reused to rebuild walls
  - Porous rubber pavement will utilize recycled tires
- Safety: pavement upgrades will provide a safer surface in courtyard
- Parking impacts are not anticipated, since large performance events will be scheduled in the evening
- Also noteworthy, the Fairchild Theatre project added two accessible parking spaces just north of the courtyard and expanded bike parking.
Impacts and opportunities:

- Fairchild terrace site renovations can be coordinated and built at the same time.
- Amphitheater design provides wheelchair access on two of the three levels.
- Mature trees will be preserved; however, evaluation of Norway maples along wall and along north facade will be performed by the campus curator.
Existing condition of the center of courtyard, showing deteriorating concrete, abandoned sculpture footings and unappealing pavement infill.
Existing conditions – southwest corner of courtyard along Fairchild terrace
Existing conditions – brick wall and Norway maples along north side of courtyard
Existing conditions – steps from Kresge approach walk
Existing conditions – wall at lower lawn along north façade of Kresge
Proposed site plan

Kresge Courtyard Renovation

Michigan State University

Kresge Courtyard Preliminary Amphitheater Plan
30 April 2013

Kresge Art Center

Scale: 1/16" = 1'-0"
Kresge courtyard renovation – view from the southwest
Possible railing art

... to complement chosen railing design
Kresge courtyard renovation – view from the northeast
Design representative:
Deb Kinney
kinney@ipf.msu.edu
517-432-0324
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
  - Partial parking space disruption for contractor material staging *(tentative)*
  - 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)*
Wilson Hall – Creative Commons Renovation

Creative Commons – design concepts
Creative Commons – design concepts
Wilson Hall – Creative Commons Renovation

Creative Commons – design concepts
Design representative:
Jacob Sabins
jsabins@ipf.msu.edu
517-355-6493
Project scope:

• This project includes all major mechanical, electrical, and ventilation upgrades and replacement; as well as:
  o Addition of life-safety systems and ADA code-required modifications
  o Interior renovations to common spaces and resident bathrooms
  o Asbestos abatement
  o Lighting upgrades
  o Flooring and ceiling replacement
  o Roofing and exterior repair, including window replacement and balcony removal
  o Reception desk modifications
  o Other related improvements

Timeline:

• Project start date: March 2013
• Project substantial completion date: June 2014
Impacts:

• Butterfield Hall will remain completely closed until May 30, 2014.

• The northeast corner of the Brody parking loop is closed for through traffic until May 30, 2014.
Nine new single resident rooms
New floor opening between first and second floors
North elevation showing new curtain wall
Bathroom finishes – floor to ceiling
Butterfield Hall – Renovation
December 2013

Construction representative:
Nick Wilk
nwilk@ipf.msu.edu
517-353-8619

Butterfield Hall Renovation

Project phase: Construction

The Residential and Hospitality Services Strategic Plan calls for the renovation of all Brody Neighborhood residence halls in order to create a desirable place for students to live and learn. Butterfield Hall is the sixth and final Brody Neighborhood residence hall to undergo renovations as part of this plan.

The project includes:

- Major mechanical, electrical and ventilation upgrades and replacements
- Addition of life-safety systems
- ADA code-required modifications
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, 2013
Impacts:

- Landon Hall parking lot will remain closed along with the parking loop until July 2014
Project updates:

• Mechanical, electrical, and plumbing are installed in bathrooms
• Drywall is complete
• Floor tile for bathrooms are prepped for mud sets
• Air-handling units are being routed to their locations
• Window demolition is starting
• Kitchen templates for case work have been created
Frame work in resident bathrooms
View of raised dining hall
New addition foundation plan
Bathroom fixture rough-ins
Construction representative:
Tony Rhodes
arhodes@ipf.msu.edu
517-432-7104
Project scope:

- This project involves a four-story research lab building that is designed to facilitate interdisciplinary research and interaction amongst all occupants, and the sharing of specialized research equipment (such as imaging).
- The building will be physically connected to the existing Clinical Center C-Wing and Life Science B-Wing, with proximity to the Radiology building to facilitate the sharing of core research resources.

Timeline:

- Construction start date: September 2013
- Construction end date: September 2015
Impacts:

• Life Science east-side doors will remain closed until Christmas
• New waterline installation begins the week of Christmas (weather permitting)
• Effective Dec. 16, on-street parking on Woodlot Drive (south end of construction zone) will be removed to accommodate snow-removal activities.
New concrete foundation of the building
Backfilling and waterproofing of new steam tunnel and foundation
Foundation footings and walls

11/25/2013
Looking east towards Clinical Center C-Wing
Bio Engineering Facility
December 2013

- **8" Water Main + 12/9/2013**
  - 8" New Extension - 1/2/2014

- **New Waterproofing for Life Science Basement Wall**
  - Week of 12/9/2013

- **Concrete Foundations and Wall**
  - Week of 12/16/2013

- **Temporary Stone Egress Path for Life Science East Exit Doors**
  - Week of 12/23/2013

- **Building Steel Erection Mid-January to Late May (Weather Permitting 2014)**
Construction representative:
Ken Gottschalk
kjgottsc@ipf.msu.edu
517-353-7234

Bio Engineering Facility
Project phase: Construction

The construction of the Bio Engineering Facility will provide a unique opportunity to bring together research teams from engineering and biomedical research to promote the development of bio-engineering and engineering health sciences at Michigan State University. These emerging research areas have significant opportunities for increased federal research funding, as well as for technology transfer to the private sector, which can promote the development of a transformational bio-based economy in Michigan.
West Circle Housing Complex – Infrastructure Improvements – 2014 (Phase 2 of 2)

December 2013

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 2014
- Visible construction complete by August 2014
- Continue electric cut-overs through December 2014
Impacts:

• Some parking loss to Delta Court (West Circle Housing Complex planned to be vacant for summer 2014)
• 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
West Circle Housing Complex – Infrastructure Improvements – 2014 (Phase 2 of 2)
December 2013

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

CONSTRUCTION.MSU.EDU

Design representative:
John LeFevre
lefevr20@ipf.msu.edu
517-884-6740

Construction representative:
Kevin Durkin
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517-432-2153

West Circle Housing Complex – Infrastructure Improvements (Phase 2 of 2)

Project phase: Planning/Design

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 Willis House, Yakely-Gilchrist, and Williams Hall.
Project area

North Campus – Infrastructure Improvements – West Circle Drive 2014 (Phase 3 of 4)
December 2013
Project need:

• The north campus arch-style steam tunnels are 87 to 102 years old and have significantly deteriorated.
• The structural anchors, pipe supports, and steam equipment within these tunnels are also severely deteriorated and require replacement or repair for safe and reliable operation of the steam distribution system.
• The project includes road reconstruction (pedestrian, bicyclist, and vehicular safety improvements), communication and electrical distribution improvements to the North Campus Region.
• This is the third phase of a four-phase project.
West Circle Drive and utility infrastructure phasing

- Infrastructure Improvements - West Circle HFS - Phase 2 of 2
- Museum Building - Steam Piping Access and Mechanical Work (WCPH3)
- Steam Vault 222 - Emergency Repair

North Campus – Infrastructure Improvements – West Circle Drive 2014 (Phase 3 of 4)
December 2013
**Project impacts:**

- Project requires road reconstruction

- Parking/traffic potential impacts:
  - requires road closings for part and full duration of the project
  - proposed work is being coordinated with MSU Police and outside entities, regarding closures/detours
  - temporary pedestrian detours will be required during construction

- Early project construction: November 2013 through April 2014
- Project site construction schedule: Beginning May 5, 2014 through Aug. 16, 2014 (interim substantial completion, includes all site work).
- Project substantial completion: Sept. 26, 2014
Project objective:

• Comprehensive renewal while preserving its historical character
  o Building is on the State Register of Historic Sites

• Renovations to support and create a visible location for the Graduate School

• Consistent with comprehensive renewal projects completed at
  o Eustace-Cole Hall
  o Marshall-Adams Hall
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
Terrace plan
Exterior rendering
Interior rendering
North Campus – Infrastructure Improvements – West Circle Drive 2014 (Phase 3 of 4)

December 2013

Proposed construction phasing: May 5, 2014 to mid-July 2014
Proposed construction traffic detours: May 5, 2014 to mid-July 2014
Proposed construction phasing: May 5, 2014 to mid-July 2014
Proposed construction phasing: Mid-July 2014 to Aug. 16, 2014
West Circle detour map

- Work begins mid-November
- Work begins Nov. 18.
Design representatives:

M. Scott Gardner (West Circle)
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Amr Abdel-Azim (Chittenden)
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517-432-0323

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!*

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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

• Jan. 9 - Anthony Hall 1279
• Feb. 13 - Anthony Hall 1279
• March 13 - Anthony Hall 1279

Please sign in and take a survey before you go!