CONSTRUCTION PLANNING AND PROGRESS MEETING
BROUGHT TO YOU BY INFRASTRUCTURE PLANNING AND FACILITIES
Thursday, June 11, 2015

Twitter hashtag #msuconstruction
PLEASE FILL OUT A SURVEY!

They are available at each table

• 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

- MSU Board of Trustees updates

- Project updates
  - North campus infrastructure improvements - West Circle Drive 2015
  - New intercollegiate golf building
  - Munn Ice Arena - seating updates
  - Bio Engineering Facility
  - Berkowitz Basketball Complex - alterations to basketball offices
  - Roofing and masonry projects
  - Hard surface/paving projects
  - Children's Garden - restroom and sewer line
Step 1: Authorization to plan
- Engineering Building – alterations to suite 1515
- Electrical distribution – upgrade northwest zone
- Crop Science – storage building two – construct original building

Step 2: Authorization to proceed
- MSU College of Law - north entrance site improvements
- Strategic development: special housing needs / Spartan Village redevelopment
- MSU Scene Shop – construct replacement building
- Crop Science – field laboratory – addition two - greenhouse
- MSU Police Special Response Team operation center
- Natural gas distribution – new pipeline from Mt. Hope Road
Step 2: Authorization to proceed

- Electrical distribution – upgrade northwest zone
- Crop Science – storage building two – construct original building
- Sheep Lambing and Research Facility
- Breslin Student Events Center – facility upgrades
- Food Processing and Innovation Center
- Electrical distribution – campus renewable energy
Why?

- Replace existing structurally deteriorating arch steam tunnels from the North Campus Substation to Steam Vault 376 (northeast corner of Library building), some of which are 87 to 102 years old.
- Provide new steam services to Olds Hall and complete the north campus steam loop (which also includes steam distribution work in the NCS).
- Install new electrical duct bank from the NCS to north of Olds Hall and replace deteriorated electrical vault lid by Olds Hall.
- Road reconstruction of West Circle Drive (two 10-foot traffic lanes, one 4-foot bicycle lane) from the east side of the MSU Library to the west side of the Auditorium Road and West Circle Drive intersection. Improve pedestrian, vehicular and bicycle safety.
Why?

• Reconfigure Parking Lots 6 and 11 to meet current parking standards.
• Replace deteriorated cast iron water mains and improve fire flow capacity.
• Decommission NCS electrical transformers.
• Repair/replace deteriorated sanitary and storm sewer mains.
Parking impacts

- Parking Lot 6 (MSU Museum parking lot) has been reconfigured to meet current parking standards and will result in a loss of eight (total count from 45 to 37) parking spaces.
- Parking Lot 11 (Hannah Administration, MSU Library and Olds Hall) has been reconfigured to meet current parking standards and pedestrian safety. The above improvements will result in a loss of 10 (total count from 127 to 117) parking spaces.
Timeline

• Construction early preparation: March – May
• Construction begins: May 11
• West Circle Drive and Parking Lot 6 reopened: July 12
• Parking Lot 11 and access drives reopened: August 14
Proposed - West Circle Drive - project area and phases

Phase 4 of 4
Proposed hardscape, utilities and vegetation

North campus infrastructure improvements - West Circle Drive 2015
June 2015
Construction phasing
Proposed construction sequence – phase 1 (May 11 – July 12)
Proposed construction sequence – phase 2 (July 12 – August 14)
North campus infrastructure improvements - West Circle Drive 2015
June 2015

Outhouse foundation discovered during excavation
Excavation and demolition of Vault 379
Vault 377 framing
Walk tunnel between Vault 376 and Vault 377
Planter boxes at the MSU Museum
Construction representative:
Andy Linebaugh
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(517) 432-7103
Why?

• The existing intercollegiate golf facility was built in 1958.
• Built with residential grade construction, the building requires ongoing maintenance.
• The conversion of the outdoor pavilion into an indoor practice area in 2006 served to extend the building’s functionality, but falls far short in comparison to competing Big Ten facilities.
• A new facility is necessary to facilitate the recruitment, training and development of future athletes; and to ensure continued success of the MSU Golf Team.
Project scope:

• **Site work to include:**
  - More prominent entry
  - Parking
  - Utilities
  - Landscaping

• **New building to include:**
  - Coaching offices
  - Locker rooms
  - Indoor practice green
  - Public/player lounge/gathering space
  - Public restrooms
  - Small weight training area
  - Small club repair room
  - Display space
Impacts:

• All areas of the west course to remain open
• Periodic traffic impacts to facilitate material deliveries

Schedule:

• Construction start: May 2015
• Ready for occupancy: January 2016
Proposed site demolition plan

Proposed site demolition plan

New intercollegiate golf facility

June 2015
New intercollegiate golf facility
June 2015

Proposed site plan
New intercollegiate golf facility
June 2015

Proposed floor plan
New intercollegiate golf facility
June 2015

Rendering of front exterior
New intercollegiate golf facility
June 2015

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

• To update old bench seating with new benches on the east and west ends and seat backs on the north and south ends
• Provide new barrier-free seating
• Install new drink-top bars

Timeline

• Construction Start: May 2015
• Ready for occupancy: June 2015
Impacts

• Seating will be unavailable until new seats are installed
• Small areas around the concourse will be periodically blocked off throughout the duration of the project
Munn Ice Arena – seating updates
June 2015

Barrier-free seating installation in progress
Drink-top bars located on the north side of the concourse
Post demolition of the bench seating
Construction representative:
Todd Wilson
tdwilson@ipf.msu.edu
(517) 432-4355
Why?

- This project involves a four-story research lab building that is designed to facilitate interdisciplinary research and interaction among all occupants.
- 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: September 2013
- Ready for occupancy: December 2015
Impacts

- The two east doors on the southeast side of Life Science are for emergency egress only (directional fencing in place).
- The north drive off of Service Road, east of the Life Science building, will remain open for construction traffic and deliveries only.
- Life Science partial loading dock closure June 8 through June 12
- Life Science complete loading dock closure June 15 through July 6
- There will be increased construction traffic.
Facing the main entrance. Exterior construction is near complete.
Wall and floor tiles are being placed in the first-floor bathrooms.
First-floor looking up at the atrium staircase. Feature wall and ceiling panels are being installed.
Rubber-based flooring has been installed in the second-floor corridor. Above-ceiling work is almost complete.
Casework benches have been constructed in the new lab space on the 2\textsuperscript{nd} Floor.
New bike parking location
New bike parking
Bike parking fence enclosure

NOTES:
- Overall dimension to be field verified prior to construction of fence wing panels.
- Expanded metal provided & installed by Ameristar after coating and prior to shipping.
Road closed to the public. Construction and delivery use only.

Three-Way Stop
Construction Representative: Ken Gottschalk
kjgottsc@ipf.msu.edu
(517) 353–7234
Why?

- The Men’s intercollegiate basketball program has 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.
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.
Schedule

- Construction start: May 2015
- Ready for occupancy: August 2015
Area of work – men’s basketball offices
Reception area – looking west (proposed)
Reception area - looking south
Corridor displays (proposed)
Coaches’ offices corridor
Video viewing room (proposed)
Video viewing room
Patio canopy (proposed)
South patio
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Construction representative:
Kevin Durkin
Kdurkin@ipf.msu.edu
(517) 432-2153

Berkowitz Basketball Complex – alterations to basketball offices
June 2015

Breslin – Berkowitz – Renovations to Basketball Offices

Project phase: Planning/Design

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 1999 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. This project is anticipated to include upgrades to both the men’s and women’s basketball coaching offices.

Project details:
- Renovations to include furniture replacement, finish upgrades, increasing storage space and display improvements.
- The focus will be on the reception area, circulation corridors, film viewing room, coaches conference room and copy room.

The Breslin Berkowitz Basketball Complex is located on Birch Road between West Shaw and Kalamazoo Street.

Timeline
- Start of construction: April 2015
- Substantial completion: July 2015
Roofing and masonry projects – Summer 2015
June 2015

Project locations
Erickson Hall – replace roofs 17 and 18

Why?

• To completely remove and replace the existing roof membrane, ballast, and associated flashing

Timeline

• Construction start: May 11
• Substantial completion: June 5

Impacts

• Temporary removal of eight university vehicle parking spaces
Why?

• To completely remove existing roofing system and replace roofs 7-9, 11, 13, 15, 18-23 and 25 at Anthony Hall

Timeline

• Construction start: June 8
• Substantial completion: August 21

Impacts

• Temporary removal of multiple parking spaces
Central Services – replace roofs 6, 8 and 9

Why?

• To completely remove and replace existing roofs 6, 8 and 9 at Central Services

Timeline

• Construction start: July 1
• Substantial completion: July 17

Impacts

• Temporary removal of multiple parking spaces
Kresge Art Center – replace roofs 1, 5, 17, 18 and 19

**Why?**

- To completely remove and replace existing roofs 1, 5, 17, 18 and 19 at Kresge Art Center

**Timeline**

- Construction start: June 1
- Substantial completion: July 31
Van Hoosen Hall – repair concrete balconies

Why?

- Remove and replace damaged concrete on all balconies at Van Hoosen Hall

Timeline

- Construction start: June 1
- Substantial completion: July 31
Mason Abbot Hall – masonry restoration and downspout replacement

Why?

• Repair gutters, masonry joints and architectural block at the west entrance of Mason Hall

Timeline

• Construction start: June 1
• Substantial completion: July 31
Construction representative: Matthew Postma
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Hard surface / asphalt / paving projects – Summer 2015
June 2015

Project locations

Legend:
- North Academic District
- Central Academic District
- South Academic District
- Residential District
- Natural Areas District
- Athletic and Recreation District
- Agriculture District
- Service District
- North Mixed Use District
- South Mixed Use District
Parking – Lot 97 (Engineering Research) expansion

Why?

• Reconstruction to meet current standards for safety, accessibility, storm water management and pavement
• Lot will double in capacity to 461 spaces.

Timeline

• Construction start: May 11
• Lot reopened: July 24

Impacts

• Relocation of parking to Lots 90, 91 and 100
Reconstruct Chestnut Road from Trowbridge to Wilson Road

**Why?**
- To repair and widen Chestnut Road
- Bike lane and sidewalks to be added

**Timeline**
- Construction start: June 1
- Road reopened: July 24

**Impacts**
- Detour of road during construction. See Detour Map webpage on IPF website.
MSU Community Music School – reconstruct parking lot

Why?

• To address maintenance, safety and accessibility issues; and bring materials and design up to MSU standards.

Timeline

• Construction start: June 15
• Lot reopened: August 31

Impacts

• Limited parking available during construction
Hard surface / asphalt / paving projects – Summer 2015
June 2015

Construction representative:
Carol Cool
ccool@ipf.msu.edu
(517) 353-8619
Why?

- Provide accessible, family restrooms adjacent to children’s garden, replacing the portable units.

Project goals

- Increase safety for children. (The nearest restrooms are in the Plant and Soil Sciences Building and require walking through the parking lot.)
- Encourage efficiency of programs with nearby facilities.
- Accommodate ADA needs for all garden visitors and staff.
- Facility to be easily cleaned and maintained
**Scope**

- Building will include two restrooms and a mechanical room; approximately 360 square feet.
- Occupancy sensors, as well as natural light, are planned.
- Building will automatically lock, accommodating seasonal hours.
- Two drinking fountains will be located on entry exterior.

**Impacts**

- Sanitary sewer extension will run from the Plant and Soil Sciences Building through both parking lots. This portion of construction will occur after the garden’s busy elementary school season.
- Completed project will not affect existing pedestrian circulation.
Timeline

• Construction start: June 2015
• Sanitary sewer work: Mid-June (2 week period)
• Ready for use: August 2015
Existing conditions – enlarged view
The restroom building will be located just west of the Creation Station fence and just east of the Smith Schoolyard Garden.
Site plan

Children's Garden - restroom and sewer line
June 2015
Site plan enlargement

Children's Garden - restroom and sewer line
June 2015
Building elevations

North façade:
entrance with drinking fountains

South façade:
mechanical room faces railroad
Building elevations

East façade will become backdrop to the Creation Station, replacing the existing fence.
Children's Garden - restroom and sewer line
June 2015

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IPF website

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- Construction
  - Detours
  - CJ info
  - Project info
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- Resources
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Construction Junctions continue monthly

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

• July 9 (College of Law, room 343)
• August 13 (College of Law, room 471)
• September 10 (College of Law, room 343)

Please sign in and take a survey before you go!