CONSTRUCTION PLANNING AND PROGRESS MEETING
BROUGHT TO YOU BY INFRASTRUCTURE PLANNING AND FACILITIES
May 2017

Twitter hashtag #msuconstruction
PLEASE LET US KNOW HOW WE’RE DOING

• We want your thoughts and suggestions about the online version of Construction Junction, and what we might do to improve.

• Please leave any comments or suggestions in the feedback box on the Construction Junction webpage located at: http://ipf.msu.edu/construction/construction-junction/index.html.

• Thank you in advance!
MSU Board of Trustees updates

Summer road repaving and parking lot restriping

New projects

• Business College Complex – Addition No. 2 – Pavilion
• Hubbard Hall – exterior masonry repair and window replacement 2017

Project updates

• Solar carports (electrical distribution – renewable energy)
• 1855 Place
• Breslin Student Events Center – facility upgrades
• Spartan Stadium – South End Zone Addition
• Spartan Stadium – install permanent field lighting
Step 2: Authorization to proceed

- Wilson Road extension
- Olin Health Center – student health
- Wharton Center – Cobb Great Hall and Pasant Theater seat replacement
Step 2: Authorization to proceed

- Communication Arts and Sciences – replace roofs 1, 2, 3, 6, 7, 14 and 15
Milling and repaving

Parking lot restriping
Summer 2017 roadway milling and repaving (mid-May through early June)

- Red Cedar Rd. (between Chestnut Rd. and Wells Hall)
- Kalamazoo St. (between Harrison Rd. and Demonstration Hall)
- Eastbound Shaw Lane (south lane only)
- Westbound Shaw Lane (south lane only)
- Shaw Lane and Akers Road (both lanes)
- Westbound Shaw Lane
- Bus stop
- Crescent Road
Summer parking lot striping

Parking lot striping – May 30 through June 9

Lot 1 (Snyder-Phillips)
Central School
Lot 11 (Library)
Lot 10 (Bessey)
Lot 64 (Wells)
University Village
Parking lot striping – May 30 through July 21

Ramp 2 (Bessey)
Ramp 6 (Gd. River Ave.)
Spartan Village

STREET PARKING:
• Alumni Chapel
• Snyder-Phillips
• Giltner
• Wells
• Abbot entrance
• Student Svcs. (Farm Ln.)
• Berkey (East Circle)
Summer road repaving and parking lot restriping

Project manager:
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Why?

- The MBA program in the Broad College of Business is ranked fourteenth among public universities and thirty-fifth overall in the latest U.S. News and World Report.
- However, the facility in which the MBA program is currently housed:
  - Hampers recruitment of top-rated students and faculty.
  - Restricts the range and type of possible learning activities and curricular innovations.
  - Lacks the appropriate quality and quantity of space commensurate with the College's aspirations to improve rankings and increase competitiveness with peer institutions.
Project goals

• The pavilion will house the MBA program and professional graduate programs of the Eli Broad Graduate School of Management.

• The facility, with its new teaching and learning spaces supporting a new curriculum, will foster an academic ecosystem that uses technology and collaborative spaces to train future business leaders, including engaging students with corporate executives, employers and alumni.
Project scope

• Demolition of the west wing of the Eppley Center
• Construction of a new 100,000 square foot, three-story structure including new pedestrian walkways to the Eppley Center and the North Business Complex.
• The pavilion will include:
  o Classrooms
  o Teaching labs
  o Program offices
  o Career management offices
  o Interview facilities
  o Student interaction spaces
  o Multi-purpose spaces
  o Variety of amenity spaces
• The facility will:
  o Create a new identity for the College
  o Integrate with the existing business complex to create a unified facility
  o Create an iconic presence and a prominent entrance for the College
  o Make best use of the site and encourage connections to the riverside
Impacts

• Construction work/hours will be coordinated with adjacent buildings to minimize disturbance.
• Site logistic plan has been developed to address safety of pedestrians, site fencing, sidewalk, and construction vehicles in/out of the site

Schedule

• Construction start: June 2017
• Construction complete: July 2019
Aerial view of current site conditions
Site plan

Business College Complex – Addition No. 2 – Pavilion (CP14217)
Construction logistics plan

- Construction Fence (6' Minimum Height with top rail)
- Gates
  - Dual Gate System
  - Sidewalk Closed (with lighted barricade)
  - Sidewalk Temporarily Closed (with lighted barricade)
- Pedestrian Walk
- Pedestrian Route
- Paved Truck Route
- Temporary Bike Parking by MSU
- Existing Tree
- Tree to be protected
GROUND LEVEL

- Multi-Purpose Room
- Café
- Atrium & Café Seating
- Entrepreneurship Lab
- Student Lounge
- Team Rooms
- Flat Classrooms
LEVEL 1

Informal Seating

Career Management Suite

Atrium & Seating Steps

Program Offices & Center of Centers Suite

Lobby & Artwork

Interview Suite

North Link

South Link

Entrance Plaza
LEVEL 2

- MBA Lounge
- Tiered Classrooms
- REAL Classroom
- MBA Core Classrooms
- Informal Seating
- Team Effectiveness Lab
- Team Rooms
- Flat Classrooms
Rendering of the atrium area from the first-floor
Rendering of Pavilion exterior showing the entry plaza
Rendering of the north terrace and great lawn areas
Design representative:
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Why?

• Restore the structural integrity of the masonry building envelope that has serious structural problems identified in a 2013 masonry investigation.

• Building windows will be replaced since the existing windows need to be removed to perform the masonry repairs.

• This project will be completed in four phases:
  o Southeast façade – 2016 (complete)
  o Southwest façade – 2017
  o Northeast façade – 2018
  o Northwest façade - 2019
Impacts

• Summer programs using residence halls—project limits use of Hubbard Hall to one living wing each summer 2016-2019.

Timeline

• Construction start: May 2017
• Phase two completion: July 31, 2017
• Phase three completion: July 2018
• Phase four completion: August 2019
Photos from 2014 interim masonry restoration and exploratory work
Construction representative:
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Project locations
**Project milestones** *(accomplishments/project phases completed during the past month)*

- Continuing micropile foundation installation in Lot 89 (Commuter Lot)
- Began micropile foundation installation in Lot 91 (Service and Hagadorn Roads) on May 1
- Receiving first carport canopies for Lot 89

**Impact updates** *(pedestrian, traffic, building occupant, facility impacts expected in the coming month)*

- Designated parking lots will experience reduced availability as a result of temporary pre-notified vehicle relocation.
Rendering of completed solar carports (Lot 89)
Rendering of completed solar carports
Foundations – micropile drill equipment
Foundations - installed micropiles
Micropiles ready for canopy installation
Project webcam

https://app.oxblue.com/open/inovateus/spartanpvq
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Solar Carports (electrical distribution – renewable energy)  

Project phase: Construction 

Project background 

- Solutions are needed to address the increased demands created by campus growth, the addition of the Facility for Rare Isotope Beams and other research and academic endeavors, and to maintain the reliability and cost-effectiveness of MSU's power supply. 
- These tasks also must be accomplished in a manner that achieves the goals of the Energy Transition Plan. 
- Thus far, the planning has resulted in projects to upgrade the electric substation and transmission lines on campus and to install an additional pipeline to deliver gas to the T.D. Simon Power Plant, and the announcement in April 2015 that MSU would cease to burn coal in the Power Plant by the end of 2016.
Project milestones (accomplishments/project phases completed during the past month)

- Substantial completion of the interior of two more single student housing units
- Finishes started on the first floor of the office/retail building
- Site work, landscaping and concrete paving has resumed on site
- Appliances and furniture deliveries continue for the single student apartment buildings
- Metal panel installation has started on the office/retail building

Impact updates (pedestrian, traffic, building occupant, facility impacts expected in the coming month)

- No new impacts are expected
Exterior work on the office structure continues
Exterior masonry work on the mixed-use tower portion in progress
Materials being delivered to the interior of the mixed-use structure
A view of the ongoing work on the east side of the office/mixed-use structure
A view of the west side of the office/mixed-use structure
1855 Place (CP13351)

Exterior work on the student apartment unit end caps in progress
Project webcam

http://oxblue.com/open/Walbridge/SpartanVillage
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Project milestones  (*a list of accomplishments/project phases completed during the past month*)

- Magic Johnson statue has been moved to its new permanent location
- Electric chillers are on line
- Demolition of existing restrooms and concessions complete at the southwest and southeast concourses

Impact updates  (*a list of any pedestrian, traffic, building occupant, facility impacts expected in the coming month*)

- Reduced capacity of southern concourses
- Southern concessions and restrooms are offline
- Hall of History gate will be egress-only for events
Project phasing plan – May 1 through May 29

Breslin Student Events Center – facility upgrades (CP14110)
Exterior work on the Hall of History continues
Interior work on the Hall of History in progress
Interior work on the Hall of History continues
Interior finish work in the new restroom areas in progress
Preparation for exterior glass installation at the Hall of History addition
Glass panel installation in progress
Glass panel installation in progress
Breslin Student Events Center – facility upgrades (CP14110)

Magic Johnson statue in its new permanent location
Project webcam

http://oxblue.com/open/MSU/Breslin
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Spartan Stadium – South End Zone Addition (CP16298)
Project milestones  *(a list of accomplishments/project phases completed during the past month)*

- Exterior masonry walls are complete
- Underground plumbing and electrical within the building is complete
- Concrete slabs in the building are complete
- Prefabricated plumbing carriers and piping installations is underway

Impact updates  *(a list of any pedestrian, traffic, building occupant, facility impacts expected in the coming month)*

- Access to the southern end of the Stadium is restricted
- Pedestrian detour around the South End Zone to Shaw Lane is in place
- Parking in Lot 79 has been temporarily reduced by one-third capacity
Exterior walls complete
Exterior walls complete
Interior restroom areas in construction
Interior restroom areas in construction
Concrete work on the new gate areas in progress
Concrete work on the new gate areas in progress
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Spartan Stadium – install permanent field lighting (CP15015)
**Project milestones** *(a list of accomplishments/project phases completed during the past month)*

- Caissons for the northeast and southeast light poles have been installed
- Structural steel for lighting on the west tower has been installed
- Roof patching is complete at the west tower

**Impact updates** *(a list of any pedestrian, traffic, building occupant, facility impacts expected in the coming month)*

- Sidewalk closures and pedestrian detours on the west side of the Stadium will be scheduled in June
- Closures at the access drive on the east side of the Stadium will be scheduled in June
Caisson installation for northeast light pole
Anchor bolts for light poles
Spartan Stadium – install permanent field lighting (CP15015)

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Spartan Stadium - install permanent field lighting
Project phase: Construction

Project background
- Currently, the Athletic department rents lighting systems to temporarily light the Spartan Stadium field for nighttime events.
- These are provided and paid for by the television networks broadcasting from the facility.
- The installation of permanent lighting is a requirement of the new Big Ten broadcast agreement, which goes into effect for the 2017 football season.

Project scope
- Installation of permanent LED field lighting in Spartan Stadium.
- Field lighting will meet NCAA National Championship broadcast lighting levels of 125 vertical foot candles.
- Field lighting will be fully controllable.
IPF website

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Construction Junctions continue monthly

Presentations will be available on the Construction Junction website around the seventh of each month.

Thank you for your interest, and we hope you’ll visit us again soon!