CONSTRUCTION PLANNING AND PROGRESS MEETING
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July 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 parking lot and ramp projects

New projects

• Communication Arts and Sciences – replace roofs 1, 2, 3, 6, 7, 14 and 15

Project updates

• Business College Complex – Addition No. 2 – Pavilion
• Parking Lot 92 – reconstruction and expansion
• Solar carports (electrical distribution – renewable energy)
• IM Sports West – replace pool and locker room HVAC systems
• Interdisciplinary Science and Technology – construct original building
• Engineering Research Complex – addition and renovations
Project updates (continued)

- Veterinary Medical Center – alterations to room E100 and corridor
- Bessey Hall – alterations to first and second floors
- Engineering Research – Hulett Rd. – Addition No. 2 – Food Processing Innovation Center
- Ralph Young Track – replace field hockey playing surface
- 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

• Communication Arts and Sciences – replace roofs 1, 2, 3, 6, 7, 14 and 15
Step 2: Authorization to proceed

- Jenison Field House alterations
- International Center – revitalization project
- Hubbard Hall – exterior masonry restoration and window replacement – phase three
Summer parking lot and ramp projects
Lots 86, 93 and 104 will have portions closed for utility installations
Lot 83 will have portions closed for solar carport installation
Lot 89 will have portions closed for solar carport installation
Summer parking lot and ramp projects (east campus)

Parking Ramps 1 and 3 will have portions closed for preventative maintenance from May 8 - July 28

Lot 92 entirely closed for reconstruction until end of July. After that, portions will be closed for solar carport installation through Fall 2017

Lot 91 will have portions closed for solar carport installation

Lot 100 will have portions closed for solar carport installation

Lot 90 is now off-line, and construction has begun on the new Interdisciplinary Science and Technology building.
Summer parking lot and ramp projects (north campus)

Parking Ramps 2 and 6 will have portions closed for preventative maintenance from **May 8 - July 28**

- **Lot 63W entirely closed for reconstruction May 29 - July 24**
- **Lot 79 entirely closed to accommodate local construction June 19 - Aug. 21**
- **Lot 63E entirely closed for reconstruction June 19 - Aug. 21**
Summer parking lot striping (May 30 – 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 parking lot striping (July 10 – July 21)

Lot 4 (Human Ecology)
Lot 9 (Giltner)
Lot 5 (West Circle housing)
Transportation Svcs. (east)
Baker (loop)
Mary Mayo
Summer parking lot and ramp projects

Solar carport project manager:
Chris Barnes

cbarnes@ipf.msu.edu
(517) 355-1628

Parking lot striping project manager:
Matt Fehrenbach
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(517) 355-7750
Communication Arts and Sciences – replace roofs 1, 2, 3, 6, 7, 14 and 15 (CP16203)
Why?

- The original roof was installed in 1981
- Roof is beginning to fail and causing potential structural and other cosmetic building damage
- Infrared study showed significant moisture within existing roof insulation barrier

Project scope

- Removal of existing conventional roof systems and installation of new IRMA-style inverted roof
- “Green” roof being investigated for roof 6
Impacts

• Smells inside building – alleviated by installation of temporary charcoal filters in building fresh air intake
• Potential sidewalk closure for roofing setup areas

Schedule

• Construction start: May 2018
• Construction completed: August 2018
Communication Arts and Sciences – replace roofs 1, 2, 3, 6, 7, 14 and 15 (CP16203)

Existing roof – aerial view from west
Existing roof – aerial view from south
Project Representative:
Brandon Charland
bcharland@ipf.msu.edu
(517) 884-6099
Project milestones (accomplishments/project phases completed during the past month)

- Demolition has begun
- Lear wing is vacant and all furniture has been removed

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

- Sidewalks on the south side of the Eppley building have been closed, with pedestrian traffic diverted to the south side of Shaw Lane
Work at the north end of the complex
Installation of the new water main has begun
New chilled water lines being installed in front of the Eppley Center
Phase 1: July - August 2017
- Site Utility Work
- Temp. Utilities to Eppley
- Begin Site Foundations
- Lay Down Staging

Broad College of Business Pavilion
Site Logistics Plan
Revision 11 - 5/30/2017

- Construction Fence (w/ sign)
- Dust Control (w/ sign)
- Dual Gate System
- Sidewalk Closed (w/ sign)
- Sidewalk Temp. Closed (w/ sign)
- Pedestrian Walk
- Pedestrian Route
- Paved Truck Route
- Temporary Bike Parking by MSU
- Existing Tree
- Tree to be protected
- Pedestrian Safety
  Dual Gate System Operation

Flagman Present
Pedestrian Route Open
Truck Route Open
Pedestrian Route Closed
Truck Route Closed
Construction representative:
Tony Rhodes
arhodes@ipf.msu.edu
(517) 432-7104
Parking Lot 92 – reconstruction and expansion (CP15193)
Project milestones *(accomplishments/project phases completed during the past month)*

- New storm sewer system is complete
- Curb and gutter installation is in progress
- Undercut of existing unsuitable subsoils and replacement with new gravel subbase is ongoing

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

- Lot 92 is completely closed throughout the summer
- MSU Police advise alternative parking in Lots 97 and 91
- Service Road pedestrian pathway remains open along the north side of the road, with construction safety barriers in place
Eastern section of lot
Western section of lot
New curb and gutter installation in progress
Pedestrian path along the north side of Service Road remains open
Construction representative:
Chris Barnes
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(517) 355-1628
Project locations

- Solar Carports (Electrical distribution – renewable energy – CP15105)
Project milestones (a list of accomplishments/project phases completed during the past month)

- Lot 89 – west phase
  - Carport canopy erection and solar panel install is ongoing
- Lot 89 – north phase
  - Foundation ground anchor micropile installation is complete
  - Foundation installs are on-going
  - Carport canopy erection is underway
- Lot 91 – east phase
  - Foundation ground anchor micropile installation is complete
  - Foundations installs are on-going
- Lot 83 – west phase
  - Asphalt pavement removal and foundation ground anchor micropile installation is underway
Impact updates (a list of any pedestrian, traffic, building occupant, facility impacts expected in the coming month)

- Open parking areas in each lot will alternate accordingly as work progresses
- Lot 89 (west phase) and Lot 91 (east phase) will remain closed during carport erection.
Aerial view of Lot 89 – canopy erection and solar panel installation in progress
Lot 89 – canopy erection in progress
Carport canopies with solar panels installed
Lot 91 – micropile foundations installed
Project webcam

https://app.oxblue.com/open/inovateus/spartanpvq
Solar Carports (Electrical distribution – renewable energy – CP15105)

Construction representative:
Chris Barnes
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(517) 355-1628
IM Sports West – replace pool and locker room HVAC systems (CP15250)
Project milestones (accomplishments/project phases completed during the past month)

- Demolition is complete
- Structural steel mechanical unit supports have been lifted to the roof

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

- Project will continue working around MSU athletic camps and other events.
Rebuilding locker bases in the locker rooms
Installing support steel for new ductwork and conduit runs for new lights
Enclosures for new electrical panels
Construction representative:
Carol Cool
ccool@ipf.msu.edu
(517) 353-8619
Project concept

- The plans for the nearly complete Grand Rapids Research Center were modified to fit within the MSU campus site.

Bidding process

- Design assist packages have been bid for the major trades (including mechanical, electrical and steel) to expedite the construction process and to utilize the expertise of the trade contractors in the design process.

Schedule

- Construction start: June 2017
- Construction complete: August 2019
Project milestones *(accomplishments/project phases completed during the past month)*

- The expansion of Parking Lot 100 is complete
- Parking Lot 90 has been taken off-line for construction of the building
- The construction site has been fenced off for work
- Excavation for the building basement and foundations has begun
Impact updates (pedestrian, traffic, building occupant, facility impacts expected in the coming month)

• The sidewalk on the south side of Service Road remains closed to pedestrian traffic.
• The sidewalk on the north side of Service Road has been temporarily relocated to the bike lane. This sidewalk will be replaced by the end of June and the walk reopened.
• During the installation of the water main across Service Road, the east and west bound lanes will be temporarily closed one at a time with traffic altered to two-way on the open side of the road.
Starting and finishing asphalt laying in Parking Lot 100
Marking the newly expanded Parking Lot 100
Supporting existing 24” utility lines while excavating for a new steam vault.
Installing steam and condensate pipe in the new steam tunnel.
Excavation for the new facility as of June 21
Forming up the basement footings.
Proposed courtyard plan
Project webcam

https://app.oxblue.com/open/RockfordCon/InterdisciplinaryScience
Construction representative:
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(517) 353-8619
Engineering Research Complex – addition and renovations (CP16042)
**Project milestones** *(accomplishments/project phases completed during the past month)*

- Bid packages have been awarded
- Site work will start in July

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

- Increased construction traffic near the farms east of the Engineering Research Complex
Exterior rendering of the new addition – looking north
Interior rendering of the new addition
Entry to renovated space in C32
Open office space in renovated C32
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Construction representative:
Ken Gottschalk
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(517) 353-7234
Veterinary Medical Center – alterations to room E100 and corridor (CP16171)
Project milestones *(accomplishments/project phases completed during the past month)*

- Mechanical systems have been installed
- Ceiling grid is in
- Walls have been finished
- Lights have been installed

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

- The corridor outside E-100 continues to be closed (emergency egress is being maintained)
- Construction traffic continues at the northwest loading dock
View of the new ceiling and wall paint at the back of the auditorium
View from the temporary raised platform that allows workers to access ceiling work
Front of the auditorium
New air handling unit that serves the auditorium
New walls in the corridor outside the auditorium
Construction representative:
Ken Gottschalk
kjgottsc@ipf.msu.edu
(517) 353-7234
Project milestones *(accomplishments/project phases completed during the past month)*

- Flooring and paint on the second floor will be complete by June 6
- Flooring and paint on the first floor will be complete by July 14
- Project is on schedule to be completed by Aug. 31

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

- Access remains open to the elevator and to the office suites during construction
Existing seating, ceiling and flooring removed in room 108 (auditorium)
Looking north down the second-floor corridor. New flooring and painted walls complete. Ceiling system is in the process of being installed.
Framing for the new bulk heads on the first floor is complete along with electrical rough-ins for the new can lights.
Construction representative:  
Matt Postma  
mpostma@ipf.msu.edu  
(517) 353-9223
Project milestones (accomplishments/project phases completed during the past month)

- Demolition has been completed
- West foundations are being installed
- New water service is being installed

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

- None
Construction at the west side of the facility
A view from the inside of the facility
View of interior construction
Construction representative:
Tony Rhodes
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(517) 432-7104
Ralph Young Track – replace field hockey playing surface (CP16083)
Project milestones *(accomplishments/project phases completed during the past month)*

- Porous asphalt layer installation is complete
- Irrigation upgrades are completed
- Ball control netting installation is complete

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

- Sidewalk north of track continues to be closed through duration of project
Porous asphalt install – center field south view
Porous asphalt and ball control netting
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Project representative: Tressa Wahl
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Ralph Young Track – replace field hockey playing surface (CP16083)
Project location
Project milestones  *(a list of accomplishments/project phases completed during the past month)*

- All single student apartment buildings have reached substantial completion with the exception of the A Building. (excluding exteriors)
- Exterior site work and landscaping efforts continue
- Single student apartment buildings exterior punch list walks are scheduled for July

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

- Parking Ramp 7 elevator shut down for warranty repair will be rescheduled for sometime in July
- The westernmost lane of Harrison Road will be temporarily closed during the week of July 7 for overhead utility removal work
- All site fencing is scheduled for removal before Aug. 1
Landscaping is underway
Exterior plaza and entrance work in progress
Exterior finishing work nears completion as work on plaza areas continues
Apartment unit end caps near completion while landscaping work continues
Work on interior office spaces nears completion
New retail area in the mixed-use tower
Project webcam

http://oxblue.com/open/Walbridge/SpartanVillage
Construction representative:
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Breslin Student Events Center – facility upgrades (CP14110)
Project milestones (a list of accomplishments/project phases completed during the past month)

- Demolition is complete at Quads 2 and 3
- Concourse terrazzo installation has commenced
- Strength and Conditioning Center flooring is complete
- Site work ongoing for Quad 2 and 3 plazas areas

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

- Southwest and Hall of History gates remain closed
- South concourse of Breslin remains closed
- Sidewalk closure at the south side of Breslin, pedestrian detours in place
Project phasing plan – June 5 through July 24

Breslin Student Events Center – facility upgrades (CP14110)

**North Concourse Entrances, Restrooms and Concessions Open**

Elevator, Berkowitz Corridor, Stair, Ticket Office Closed

Men's Basketball Locker Room thru June 9

Lot 63 West

Parking Lot 63 EAST

Begins June 19

Flagged Deliveries
Exterior work on the new Hall of History nears completion
Work on the Hall of History plaza entrance in progress
Installation of columns in the Hall of History
Installation of terrazzo flooring in south concourse
Interior work on the southern concourse concession areas continues
Interior finish work in the new restroom areas in progress
Project webcam

http://oxblue.com/open/MSU/Breslin
Construction representative:
Jason Van Zee
jvanzee@ipf.msu.edu
(517) 432-2675
Project milestones *(a list of accomplishments/project phases completed during the past month)*

- Building roofing is complete
- Brick and precast installation on exterior is in progress
- Restroom fixture installation is complete in men’s restroom
- Parking Lot 79 work has commenced
- Plaza and site concrete work is ongoing

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

- Sidewalk closures at the south side of Spartan Stadium and Lot 79, pedestrian detours in place
- Lot 79 closed. No access or parking available
New entry gate construction is nearing completion
New entry gates in construction
New entry gates in construction
Interior spaces in construction
Exterior masonry finish work 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)

- Northeast and southeast light poles have been installed
- LED drivers for the west tower have been installed
- Light racks for the west tower have been assembled
- Electrical connections and controls are ongoing
- Light commissioning scheduled from July 12 through 14

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

- Crane lift to install light racks at the west tower is scheduled for July 6. Pedestrian detours will be in place around the west side of the Stadium
Southeast light pole installed.
Northeast light pole installed.
West tower north light racks assembled.
Spartan Stadium – install permanent field lighting (CP15015)

West tower south light racks assembled.
Construction representative:
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Construction Junctions continue monthly

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

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