CONSTRUCTION PLANNING AND PROGRESS MEETING
BROUGHT TO YOU BY INFRASTRUCTURE PLANNING AND FACILITIES
February 2018

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.
MSU Board of Trustees updates

Informational
• Campus Snow Plan

New projects
• Science, Technology, Engineering and Mathematics – construct original building
• Food Science – Fruit and Vegetable Laboratory renovation

Project updates
• Wilson Road extension
• Interdisciplinary Science and Technology – construct original building
• Business College Complex – Addition No. 2 – Pavilion
• Engineering Research – Hulett Rd. – Addition No. 2 – Food Processing Innovation Center
• Engineering Research Complex – addition and renovations
Step 2: Authorization to proceed

- Dairy Research Complex – electrical distribution
- Water distribution – campus water system improvements
- Biochemistry – replace windows

Step 3 – Bid and contract award

- Communication Arts and Sciences – replace roofs (2016-17 major maintenance)
Step 2: Authorization to proceed

- All-season rink – construct original building
- Service Road Field – synthetic turf (healthy campus initiative)
- Demonstration Hall – alterations to multi-use court floor
- IM Sports-West – replacement of indoor turf surface in room 161
- IM Sports-East – renovations and resurface indoor track
- Science, Technology, Engineering and Mathematics – construct original building
- Food Science – Fruit and Vegetable Laboratory Laboratory renovation

Step 3 – Bid and contract award

- Olin Health Center – student health
CAMPUS SNOW PLAN
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 in front of or behind snow-removal equipment. It is large, loud and difficult to stop quickly.
• Make eye contact with snow-removal equipment operator before crossing in front of them.
Salt and ice-melt compound

• Dial (517) 355-1855 to report icy spots on campus.
• Please remember that it takes time for the ice-melt compound to take effect.
Your help is needed!

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!
Sidewalks

- Do not park so close to the sidewalk that your car’s bumper hangs over it.
Parking lots

- Avoid parking in sections of a lot that have not yet been cleared.
- Park where it’s been plowed or wait a few minutes for the driver to finish and then park in the cleared lot.
Residence hall parking loops

- Parking is prohibited in residence hall loops from 2 to 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 ContactMSU@ (517) 355-1855.

• 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
Project location
Why?

• Over the past ten years, enrolled credit hours in Science, Technology, Engineering and Mathematics (STEM) and related courses have increased by 38%, and this trend is anticipated to continue.
• More than a third of the university’s teaching and research labs are housed in facilities that are over 40 years old.
• Significant capital investment in facilities that support best practices in teaching and research, reflecting shifts in instructional methods, code compliance and the collaborative nature of research is needed for MSU to successfully plan for the future and solidify our place among the world’s premier research and teaching institutions.
Project goals

• Facilitate recruitment and retention of students and researchers by becoming a focal point for undergraduate laboratory instruction
• Provide facilities that include informal study areas, break-out zones and associated support spaces

Project scope

• The full scope of the project is still evolving, and will be more finalized as planning stages progress.
Impacts

- Increased construction traffic around the Shaw Lane / Red Cedar Road intersection (in the vicinity of the old Shaw Lane Power Plant)
- Scheduled utility shutdowns that may affect other facilities in the area
- Temporary traffic and pedestrian detours typical of a project of this magnitude

Schedule

- Construction start: August 2018
- Ready for occupancy: Fall 2020
Construction representative:
Ken Gottschalk
kjgottsc@ipf.msu.edu
(517) 353-7234
Why?

• Michigan State University has the potential to train a significant number of future employees for the food processing industry, but is currently limited in its training capacity due to an outdated laboratory facility
Project goals

• To provide a modern teaching, learning, and research space that will keep pace with the changing demands of the food processing industry and provide the capacity to train the next generation of food processing employees
• To increase opportunities for MSU to partner with selected community colleges to expand the reach of training opportunities across the state
• To serve over 700 MSU undergraduate students annually, in at least 12 different courses and three departments
• To provide facilities to process fruits and vegetables for retail sale
Project scope

- Renovations to suite 124 to provide a modern food processing instructional and research laboratory, including:
  - new entrance and workflow enhancements
  - upgraded heating, ventilation, and air conditioning
  - new walk-in coolers and freezers
  - new locker rooms
  - new conference room
  - an interactive classroom
  - utilities for laboratory equipment
  - rework of fire alarms
  - access controls
  - epoxy coating of walls and floors
Impacts

• Noise, dust and vibration typical of a project of this type
• Relocation of the basement Vivarium to Clinical Center C in March 2018 for the duration of construction
• During the flooring demolition in room 124, adjacent first-floor and basement spaces will be impacted
• The north parking lot may be impacted during construction. However, we are still working with contractors on possible alternative construction staging areas that will minimize parking disruptions.

Schedule

• Construction start: May 2018
• Ready for occupancy: January 2019
Food Science – first floor plan showing areas affected by renovations
Example of comparable facilities at the University of Illinois – Food Processing Plant
Example of comparable facilities at the University of Illinois – mechanical and electrical utilities cavity
Project Representative
Bryan Anderson
banderson@ipf.msu.edu
(517) 432-0583

Food Science - Fruit and Vegetable Laboratory Renovation

Project phase: Planning/Design

Project background
- Michigan State University has the potential to train a significant number of future employees for the food processing industry, but is currently limited in its training capacity due to an outdated laboratory facility.

Project details
- The renovated laboratory and associated support space will provide a modern teaching, learning, and research space that will keep pace with the changing
February

16

Mark your calendar

Town Hall Meetings ♦

Friday, Feb. 16
1:30 p.m.
Fee Hall E105 ♦

Friday, Feb. 16
4 – 6 p.m.
River Terrace Church
1509 River Terrace Dr.
East Lansing
Construction phasing (March 5 – March 15)
Construction phasing (March 16 – April 30)
Construction phasing (May 1 – May 18)
Construction phasing (May 19 – June 19)
Construction phasing (June 20 – July 5)
Construction phasing (July 6 – Aug. 15)
Construction phasing (Aug. 16 – Nov. 15)
Completed project plan
## Proposed address changes

<table>
<thead>
<tr>
<th>Location</th>
<th>Current Address</th>
<th>Proposed Address</th>
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<tbody>
<tr>
<td>Bus Stop Shelter 1</td>
<td>918 Wilson Rd. East Lansing, MI 48824</td>
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</table>
Design representative:
Dave Wilber
dwilber@ipf.msu.edu
(517) 884-2186
Project milestones *(accomplishments/project phases completed during the past month)*

- Received and installed mechanical equipment in the penthouse
- Began installing stud walls on the first floor
- Completed spray on fireproofing

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

- Construction traffic will continue to be heavy on Service Road
Interior masonry walls
Curtain wall framing begins
Stud walls and fireproofing
Mechanical equipment set through the roof in the penthouse
Ductwork ready for installation
Project webcam

https://app.oxblue.com/open/RockfordCon/InterdisciplinaryScience
Construction representative:
Carol Cool
ccool@ipf.msu.edu
(517) 353-8619
Project milestones *(accomplishments/project phases completed during the past month)*

- Steel erection is 75% complete
- Floor decks are being poured on the western section

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

- Sidewalks traveling north and south between Shaw Hall and Business College complex remain closed
Eastern section steel erection has begun
Preparing for concrete pour at western section ground floor
First floor deck has been installed on western section
Site logistics plan

- Construction Fence
- Dust Control
- Gates
- Dual Gate System
- Sidewalk Closed
- Sidewalk Temp. Closed
- Pedestrian Walk
- Pedestrian Route
- Paved Truck Route
- Temporary Bike Parking by MSU
- Tree to be protected
- Existing Tree
- Flagman
- Present
- Pedestrian Safety
- Dual Gate System
- Operation

[Map of the site logistics plan with labels and symbols]
Business College Complex – Addition No. 2 – Pavilion (CP14217)

Project webcam

https://app.oxblue.com/open/MSU/EliBroadPavilion
Construction representative:
Tony Rhodes
arhodes@ipf.msu.edu
(517) 432-7104
Project Location – Off Campus
Project milestones *(accomplishments/project phases completed during the past month)*

- Building construction is completed
- Owner equipment has begun to arrive

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

- No additional impacts expected
Large conference/training room completed
Spiral oven located in the large process room
Spiral freezer located in the packaging room
Construction representative:
Tony Rhodes
arhodes@ipf.msu.edu
(517) 432-7104
Project milestones (accomplishments/project phases completed during the past month)

- Exterior brick on the addition is complete
- Mechanical piping and system installation continues
- Electrical distribution installation continues
- Painting of interior building steel is in progress

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

- Increased construction traffic on the east side of the Engineering Research Complex
Exterior brick installation is complete
Installed heating units
Installation of mechanical piping systems continues
Installed electrical conduit and boxes with the beginning of cable run
Painting of interior steel in progress
CONSTRUCTION.MSU.EDU

Construction representative:
Ken Gottschalk
kjgottsc@ipf.msu.edu
(517) 353-7234
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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!