CONSTRUCTION PLANNING AND PROGRESS MEETING

Brought to you by the Physical Plant Division

Thursday, September 13, 2012

Twitter hash tag #msuconstruction
NEW-AND-IMPROVED SURVEYS!

Please let us know if you did not get one on your way in.

- We have recently revamped our surveys in an effort to better understand your experience at Construction Junction.
- 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!
• **Board of Trustee updates**

• **New presentations**
  - New Filming Tower at the Duffy Daugherty Football Building Practice Field
  - Steam Distribution and Road Reconstruction – Bogue Street and Shaw Lane Intersection

• **Project updates**
  - Armstrong/Bryan Halls Renovations
  - Bott Building for Nursing Education and Research
  - Music Building – Renovations to Auditorium
  - Eli and Edythe Broad Art Museum
Step 1: Authorization to Plan

- Duffy Daugherty Football Practice Field - Construct Filming Tower
- Spartan Stadium - North End Zone Addition

Step 2: Authorization to Proceed

- Music Building - Replace Electrical Substation
- Butterfield Hall - Renovation
- Plant Biology - North Wing Lab Exhaust System Replacement
- Facility for Rare Isotope Beams - Building Structure
- College of Music’s Community Music School - Renovations
Step 1: Authorization to Plan
  • Akers Hall – Consolidate Dining Hall and Sparty’s to Develop Restaurant Concept

Step 2: Authorization to Proceed
  • Duffy Daugherty Football – Filming Tower Football Practice Field
  • Steam and Road Reconstruction – Bogue and Shaw Intersection
  • Brody Complex – Utility Improvements Phase V
New Filming Tower at the Duffy Daugherty Football Building Practice Field
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September 2012
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LOOKING WEST FROM RED CEDAR ROAD
New Filming Tower at the Duffy Daugherty Football Building Practice Field
September 2012

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Duffy Daugherty Football Practice Field - Construct Filming Tower

The planning of this project is anticipated to include a concrete-pier footing to support a 50 foot video tower with a roof and 40 foot high viewing platform for video recording and use by coaches. The tower will require electricity and data. It will sit between the practice fields replacing a concrete slab where the temporary lift now sits. It will be accessed by internal stairs with access secured by lockable mesh gates at the bottom.

The Duffy Daugherty football practice fields are located on Shaw Lane, east of the Clara Bell Smith Student Athlete Academic center and Duffy Daugherty football building in the athletic and recreation district. The location of this project is consistent with the campus Master Plan and Planning Principles. It is anticipated that the design changes would impact the campus footprint in this area.
Project Area

Steam Distribution and Road Reconstruction – Bogue Street and Shaw Lane Intersection
Shaw Lane at Red Cedar intersection
Shaw Lane/Bogue Street intersection currently
Project highlights:

- Removal of the last campus traffic circle/roundabout
- New intersection with a dual traffic signal (similar in configuration to Shaw/Red Cedar intersection)
- Addition of bike lanes and pedestrian cross signals.
  - River trail pedestrian signal will be inter-connected to dual traffic signal with pedestrian priority.
- Replacement of 1960s-era direct-buried steam piping and installation of a steam tunnel for improved reliability
- May 2013 – August 2013 construction
Steam Distribution and Road Reconstruction – Bogue Street and Shaw Lane Intersection

The Bogue Street and Shaw Lane traffic circle do not currently meet pending ADA standards for accessibility. These new standards will require traffic signals for pedestrian safety, particularly for pedestrians with mobility disabilities. These new standards do not support continued use of a traffic circle for an intersection with high volumes of pedestrians, bicycles, and vehicles.

The planning of this project is anticipated to include reconstruction of the Bogue Street and Shaw Lane traffic circle to be compliant with ADA standards. The planning will also include the closure of Bogue Street between Shaw and Wilson roads. Accessibility to Wharton Center will remain open. The project is located in the northeast corner of the Central Academic District and borders the Residential District.
Concrete between the first and second floors removed to create a more open feeling in lobby
Framing is set for the gaming centers on the fourth floors.
Workers lay out and place concrete masonry units for the new bathroom on the first floor of Bryan Hall.
Concrete masonry units in the new showers on first floor of Bryan Hall
Steel rebar is placed in the new ramp on the first floor of Bryan Hall
A concrete saw cutter works to demolish the old balconies on each floor
Temporary protection is installed after demolition of the existing windows
Steel has been added to the penthouse in preparation for the new curtain window wall.
New windows arrive
New windows on the west side of Bryan Hall
New windows line the east side of Armstrong Hall
Exterior colors follow the theme of Emmons, Bailey and Rather Halls
Closed to all traffic May 2012 to May 2013. Access will be maintained during student move-in and move-out.
Armstrong and Bryan Halls Renovations

In-Construction
May 2012 - May 2013

Description: Armstrong and Bryan halls, located on the west side of Brody Neighborhood, are the fourth and fifth residence halls to be renovated in the complex. Improvements to both buildings will include the addition of common spaces to both A and B wings, curtain wall features and artwork, interior project, meditation and fitness rooms, third-floor kitchen/dining areas and accessible entrances.

Additional features will include:

- Major mechanical, electrical and ventilation upgrades and replacements
- Addition of life-safety systems
- ADA code-required modifications
- Asbestos abatement
- Lighting upgrades
- Flooring and ceiling replacement
- Roofing and exterior repair
- Window replacement
- Reception desk modifications
- Improvements to student rooms and common areas
- Reconfiguration of community bathrooms
- Replacement of existing plumbing
- Heated walkways
Bott Building for Nursing Education and Research
Senator Carl Levin talks with MSU President Lou Anna K. Simon

Senator Levin tours building
Exterior west
Reflexology garden
Glass wall on fourth floor
Indoor bridge connects existing building to new addition
Furniture in open office space
Conference room with window walls
Seminar room
Pedestrian detour is on the Service Road sidewalk to the east side of the building.
Bott Building for Nursing Education and Research

In-Construction

**Description:** There is a critical nursing shortage nationally and in Michigan, which must be met by increasing student enrollment and preparing faculty for the future. The College of Nursing is challenged to increase research and opportunities for interaction and collaboration among students, faculty and staff. The Life Sciences Building cannot currently house all of these college activities. It is not adequate to accommodate and increase academic, research, and continuing education programs or to provide community space for student, faculty, and alumni interaction.

The Bott Building for Nursing Education and Research will be located on Bogus Street south of Service Road in the South Academic District. This project involves a three-story, 50,000-square-foot building that will link to the existing Life Science Building. Two floors will house dedicated research space and one floor will include classrooms, student commons, student services, external relations, conference rooms, and a new atrium and reception lobby. The building will provide gathering space for the community, students, faculty, and staff, and will support the college's teaching, research and outreach missions.

Check out the construction progress on the Bott Building via the project webcam:
Music Building – Renovations to Auditorium
View of stage from audience when project is completed
Panoramic view of project via Photosynth
Project highlights:

• Mechanical systems - 85% complete  
  o Ductwork completion this week
• Recital hall interior finishes – 50% complete  
  o Plaster finishing complete  
  o Wainscoting installation in progress  
  o Acoustical panel installation commencing soon  
  o Seating and stage refinishing beginning at the end of September
• Fire alarm upgrades – 95% complete  
  o Graphic annunciator remaining
• Additional safety upgrades – 40% complete  
  o Stairwell enclosures and door installation commencing
• Audio/visual system – 40%  
  o Conduits/enclosures in place  
  o Component installation after completion of finishes
Music Building – Auditorium Renovations

In-Construction
April 2012 - October 2012

Description: The Music Building was constructed in 1940 and obtained an addition in 1956. The Music Practice Building was constructed in 1958. These two facilities are the primary locations for the College of Music. In addition, the college uses rehearsal/recital and performance venues at Demonstration Hall, Wharton Center and the Auditorium Building. The Music building includes a 350-seat auditorium (room 126) that is heavily used by the College of Music for instruction, rehearsal, recital and performances. The Music Building auditorium has had limited renovations since its construction in 1940. It lacks proper heating, ventilation and air conditioning, has acoustical deficiencies, and is in need of general maintenance. Planning efforts continue to focus on a multi-facility approach for providing venues for the College of Music.

The planning of this project is anticipated to include:

- Acoustical enhancements
- Purchase and installation of an orchestra shell
- Seating replacement and additions to increase capacity
- Installation of air conditioning, heating and ventilation modifications
- Installation of new fire alarm system
- House and stage lighting upgrades
- Door replacements
- Ceiling modifications
- Balcony demolition
- New side walls
- Exterior card access
- Modifications to the exits and floor slopes

The Music Building is located on West Circle Drive in the north academic district.

Questions, comments, concerns?
Construction Representative: Todd Wilson, tdlwison@msa.msu.edu, 517-432-4355
View of southwest entrance
Loading dock doors
Southwest view
Courtyard
Education Wing
Sparty’s seating area
Reception desk
Feature stair, first floor
Northwest gallery
Feature stair, second floor
Southwest gallery, second floor
Feature stair glass, second floor
Southwest entrance, paver installation
Berkey Plaza
Exterior view of northwest corner
Eli and Edythe Broad Art Museum

In-Construction
March 2010 - September 2012

Description: The Eli and Edythe Broad Art Museum will be located on the corner of Grand River Avenue and Farm Lane at the Collingwood campus entrance. The building will be constructed of steel and concrete with a pleated metal and glass exterior. The museum will include three levels totaling approximately 46,000 square feet. It will be oriented on an east-west axis, adjacent by an outdoor sculpture garden to the east and plaza to the west. In addition to multiple unique gallery spaces, functions within the building will include an education wing, a museum shop, visitor cafe and gathering space, a works-on-paper study center, permanent collection storage and administrative spaces. To view day-to-day construction activities, visit the Eli and Edythe Broad Art Museum [webcam].

The project will be Leadership in Energy and Environmental Design (LEED) certified.
MDOT public meeting

**TOPIC:** New southbound US-127 auxiliary lanes
(at Lake Lansing Road, M-43 and I-496)

**WHEN:** Wednesday, Sept. 19; 4 to 7 p.m.

**WHERE:** Pinecrest Elementary School Gymnasium
(1811 Pinecrest Drive, East Lansing)
MSU Construction Detours September 2012

Detour Legend
- CLOSED
- DETOUR
- BARRIER-FREE PARKING
- BUILDINGS
- ROADS
- PARKING LOTS
- WOODLOTS

FRID Utility Relocation Phase II
Life Science Addition
Armstrong and Bryan Halls Renovation
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BEFORE YOU GO, VISIT THE CONSTRUCTION ‘SITE’:

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Key features:

• Construction Projects
  – Project info
  – Contact information

• Construction Detours

• Construction Junctions

• Construction Listserv
SECOND SURVEY ALERT!

Please take fill one on your way out if you did not do so already

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- 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!
Construction Junctions continue monthly

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

• October 11 (112 Brody Hall)
• November 8 (112 Brody Hall)
• December 13 (TBD)

Please sign in and take a survey before you go!