CONSTRUCTION PLANNING AND PROGRESS MEETING

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Thursday, June 14, 2012

Twitter hash tag #msuconstruction
Today’s Agenda

- **Board of Trustee updates**
- **Project updates**
  - Shaw Hall – New Dining Center
  - Bailey and Rather Hall Renovations
  - Armstrong and Bryan Hall Renovations
  - Michigan State Police Post Demolition
  - Bott Building for Nursing Education and Research
  - Northbound US-127 Auxiliary Lane Widening (Michigan Department of Transportation)
  - Harrison Road Reconstruction from Trowbridge Road to Mount Hope Road (City of East Lansing)
  - Steam Distribution – West Circle Steam Loop – 2012
  - Steam and Road Reconstruction – Chestnut Road & Steam Tunnel to I.M. West Building – 2012
  - Spartan Stadium – Replace Existing Scoreboards and Install Sound System
  - MSU Union – Renovations to First Floor Lobby
  - Hannah Administration Building North Entrance Renovation
Step 1: Authorization to Plan

- Parking – Lot 67 (Jenison) – Reconstruction
- Plant Biology – N Wing Lab Exhaust System
- FRIB Highbay
- Anthony Hall – Energy Conservation Measures

Step 2: Authorization to Proceed

- Auditorium – Alterations to Fairchild Theatre
- Clinical Center – Replace Fire Alarm Systems
- Hannah Administration Building – Renovations to the Ground and First Floors
Three phases of project:
Proposed Floor Plan

Shaw Hall – New Dining Center
June 2012
Collaborate; Really Collaborate

Increase Relatedness

Projects as Networks of Commitment

Optimize the Whole

Tightly Couple Learning w/ Action

IPD Integrated Project Delivery
Dining Hall Windows
West lobby
East lobby
New preparations in west lobby
Temporary dining
Water main upgrades
Water main upgrades
Shaw Hall - New Dining Hall and Food Emporium

In-Construction
May 2012 - December 2012

Description: Shaw Hall, located on Shaw Lane, is a residence hall in the Central Academic District. Due to Shaw's central location on campus and the age of its facilities, it is a high-priority project for dining renovations. This project coordinates with the Residential and Hospitality Services Dining Master Plan, which aims to create an integrated approach to campus dining and align dining facilities with growing housing capacities.

The project will include:

- New state-of-the-art dining hall for Shaw Hall
- New elevator to connect to the terrace level
- New loading dock
- Improvements to the lobby and lounges on the first floor
- Removing the parking lot west of Shaw Lane and replacing it with grass
- Replacing the deteriorated water main piping south of the building

This project is using the Integrated Project Delivery (IPD) system which allows for more efficient collaboration between the architecture, engineering and construction teams.

Timeline: The project began construction in March 2012, and will be substantially complete in December 2012.

Impacts to building users, pedestrians, bikers, motorists: On Thursday, May 10, 2012, lane closures will begin on west bound Shaw Lane immediately south Shaw Hall, with completion on or before June 15, 2012. This is necessary to allow for the replacement of the water main that serves Shaw Hall and the Planetarium.

Questions, comments, concerns?
Design Representative: Amr Abdelazim, amabelazim@msu.edu, 517-432-0323
Construction Representative: Chris Barnes, cbarnes@msu.edu, 517-355-1628
Bailey and Rather Hall Renovations

Bailey and Rather Halls
Bailey and Rather Hall Renovations
June 2012
Bailey and Rather Hall Renovations
June 2012

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Bailey/Rather Hall Renovations
In-Construction
April 2011 - May 2012

Description: Bailey Hall and Rather Hall are the second and third of six residence halls to be renovated in the Brody Neighborhood. Improvements will be made to the buildings' infrastructures, common spaces, amenities, resident rooms, and the surrounding site. Exterior renovations will maintain existing building materials while adding metal panels at the entrances, corrugated metal on the roofs, and small green roof areas. These design elements have also been implemented on both the main Brody Hall building and the Commons Hall design.

Residential and Hospitality Services (RHS) believes it would be best to expedite construction by combining construction of Bailey and Rather halls into a single project.

Along with housing approximately 430 residents, Bailey will also become home to the Residential Initiative on the Study of the Environment (RISE) and the Charles Drew Science Scholars Program. Together these programs consist of approximately 200 students.

Elements of the renovations include:

- Major upgrades to the mechanical, electrical, and ventilation system
- Life-safety systems upgrades
- ADA code-required modifications
- Passenger elevator installation
- Asbestos abatement
- Lighting upgrades
- Floor and ceiling replacement
- Roofing and exterior repair
- Window replacement
- Reception desk modifications
- Balcony removals
- Adding a community kitchen
- Reconfiguring community bathrooms
- Site work to include a heated walkway, patio and general landscape upgrades
- Green roof outside second-floor offices above the loading dock

This project will be Leadership in Energy and Environmental Design (LEED) certified.
Armstrong and Bryan Hall Renovations

Armstrong and Bryan Halls
Exterior colors follow the theme of Emmons, Bailey and Rather Halls
Armstrong and Bryan Hall Renovations

June 2012

Michigan State University
Armstrong/Bryan Halls

CROSS-CORRIDOR COMMONS
21 October, 2011
Partial demolition in one of the community style restrooms located in Armstrong Hall.
Restroom in Armstrong Hall
Study room
Temporary gravel roads
New piping on the fourth floor of Armstrong Hall
A crane lifts down bricks and other tools from the penthouse of Bryan Hall.
Materials from both halls are placed in large canisters and then later recycled.
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-Planning/Design
February 2011 - January 2012

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
- Entrances will be more defined and canopyed

The design of this project includes sustainable features relating to the Leadership in Energy and Environmental Design (LEED) rating system.

Timeline: Construction is planned to begin in May 2012, with substantial completion in May 2013, and final completion by May 2014.

Questions, comments, concerns?
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Construction Representative: Nick Wilk, nwik@plant.msu.edu, 517-353-8619

Please refer to the Construction Detours web page for current and upcoming detour information.
Buildings 13, 14, 15, 16 and 17 will remain
Insert caption
Michigan State Police Post Demolition
June 2012

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Michigan State Police Post Demolition
In-Construction
April 2012 - August 2012

Description: Michigan State University leased property on Harrison Road to the State of Michigan for use as the Michigan State Police headquarters. The Michigan State Police has now relocated its headquarters, and the State of Michigan is in the process of returning the Harrison Road property to MSU. The University has inspected the existing buildings that remain on Harrison Road site and found that the current condition and configuration does not allow reuse for most University needs.

Selected structures will be used for university activities. Given the current condition of these structures, including the presence of asbestos and other hazardous materials, it is in the best interest of the University to begin planning for demolition while future site development plans are under consideration.

The old Michigan State Police Post is located on Harrison Road, south of Kalamazoo Street, in the Service District. This project involves demolition of most buildings, including remediation of environmental issues. Existing asphalt and concrete will remain and limestone will be laid where buildings once stood.

Questions, comments, concerns?
Design representative: Dennis Hansen, hansen@pplant.msu.edu, 517-353-9223
Construction Representative: Ken Gottschalk, kgottsc@pplant.msu.edu, 517-353-7234

Related Materials
• Demolition FAQs
Northwest elevation

Southwest elevation
West elevation

West elevation at connection
Terrazzo flooring being installed in first floor gathering space
Fourth floor interior

Conference room
Bott Building for Nursing Education and Research
June 2012

Hallway

Restroom
Geothermal field
Area closed through 2012. Pedestrian detour is on the Service Road sidewalk to the east side of building.
Bott Building for Nursing Education and Research

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 Bogue Street south of Service Road in the South Academic District. This project involves a three-story, 50,000-gross-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:
2012 Construction

in the East Lansing Area
How will traffic be affected?
**Northbound US-127 New Auxiliary Lane**
*Ingham County*  
*Late May - August 2012*

**What Is Being Done?**
The Michigan Department of Transportation (MDOT) is adding an auxiliary lane along northbound US-127 between the I-496 ramps and the exit to M-43 (Saginaw Street/Grand River Avenue).

**How will traffic be affected?**
At least one lane of traffic on northbound US-127 will be open just north of Trowbridge Road, near the split to westbound I-496. The ramps from I-496 and Trowbridge Road, and the ramp to Kalamazoo Street will remain open.

At the I-496 split, through-traffic will be directed to the far left lane. After the split, one lane of traffic will shift to the right lane to allow access from the Trowbridge Road entrance ramp and to the Kalamazoo Street exit ramp (Exit 76). Traffic will be shifted back to the left lane just past the Kalamazoo Street exit and northbound US-127 will return to two lanes just before M-43.

The exit to M-43 (Exit 78) will be closed with all traffic directed to exit at Kalamazoo Street as a way to access M-43.

**Long Term Benefits**
The auxiliary lane will ease traffic flow and congestion through the corridor, and will make merging and exiting in this area safer for motorists.

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**Detour Route**

**Exit 78 Closed to Homer Street and M-43**

**Flow of traffic**
Project area

Harrison Road Reconstruction from Trowbridge Road to Mount Hope Road
Harrison Road Reconstruction from Trowbridge Road to Mount Hope Road
June 2012

HARRISON AVE. 2012 TENTATIVE CONSTRUCTION SCHEDULE
Dates Shown are Subject to Change Based on Weather and Construction Progress.

Harrison / Trowbridge Intersection:
W.B. Trowbridge Utility Crossing: May 30th (10:00 PM to 6:00 AM)
W.B. Trowbridge Closed - Detoured North.
E.B. Trowbridge Maintained - Single Lane Only.
May 31st (10:00 PM to 6:00 AM)
W.B. Trowbridge Maintained.
E.B. Trowbridge Maintained - Single Lane Only.
Intersection Curb/Ramp Work:
June 1st to June 18th (9:30 AM to 3:30 PM)
W.B. & E.B. Trowbridge Maintained - Single Lane.
Intersection Removal/Paving:
June 19th to June 20th (10:00 PM to 6:00 AM)
Intersection Closed to all Traffic.

Harrison Ave. Detour Route: May 7th to July 27th
All N.B. & S.B. Thru Traffic to Follow Gray Route.

Northbound & Southbound Harrison Ave.:
N. Crescent to Trowbridge
Closed To All Traffic: May 7th to July 27th.
Thru Traffic To Follow Detour Route Shown in Gray.

Southbound Harrison Ave.:
Mt. Hope to North Crescent
Closed During Reconstruction Work: June 21st to July 23rd.
Two-Way Local Traffic Maintained in Northbound Lanes.

Northbound Harrison Ave.:
Mt. Hope to North Crescent
Closed During Reconstruction Work: May 9th to May 29th.
Two-Way Local Traffic Maintained in Southbound Lanes.

Amtrak, Greyhound & Indian Trails Station Access
Maintained from Service Road Only: May 7th to July 27th.
Access Closed From Both N.B. & S.B. Harrison Ave.
Harrison Road Reconstruction from Trowbridge Road to Mount Hope Road
June

MSU Construction Detours
June 2012

Detour Legend
- CLOSED
- MOTORIST DETOURS
- PEDESTRIAN DETOURS
- BARRIER-FREE PARKING
- BUILDINGS
- ROADS
- PARKING LOTS
- WOODLOTS

Map of South Campus

Closed to all traffic.
Harrison Road Reconstruction from Trowbridge Road to Mount Hope Road

**Description:** The 2012 Harrison Road reconstruction project includes the reconstruction of the roadway from Trowbridge Road to Mount Hope Road, located on the west side of Michigan State University's campus. The completed road surface will continue to have the same lane configuration as the currently existing roadway.

**Reconstruction will include:**
- Intermittent curb replacement
- Sidewalk improvements
- Minor storm sewer
- Sanitary sewer repairs
- Water main improvements
- New paved asphalt surface

**Timeline:** The project began on May 7 and will be completed by July 27.
Beal Street is open to the public
Looking east at reconstruction on West Circle Drive
Looking west at East Circle Drive demolished and ready for utility work
Communication materials

Internal display boards

Brochures
Steam Distribution - West Circle Steam Loop

In Construction
May 2012 - December 2012

Description: The north campus arch-style steam tunnels are 67 to 102 years old and have significantly deteriorated. The structural anchors, pipe supports and steam equipment within these tunnels also require replacement or repair for safe and reliable operation of the steam distribution system.

This project is the first phase of a four-phase program to replace the deteriorating north campus arch steam tunnels, and will include installation of a new steam distribution loop around West Circle (from Landon Hall moving clockwise to a point east of Human Ecology). Repair and replacement of steam piping, supports and equipment within some existing steam tunnels will also be included. This will increase the reliability of the steam system and provide a mechanism to remove arch steam tunnel segments with minimum impact to campus building operations. During this construction, all of the buildings in the zone of influence will be converted to high-pressure steam and pressure-condensate return lines, improving energy efficiency. The deteriorated cast-iron water main will be replaced to increase flow capacity and reliability. Additional communications and electrical duct will be installed according to master plans. West Circle Drive will be replaced with two traffic lanes and one bike lane, providing appropriate vehicular, pedestrian and bicyclist safety improvements.

East Circle Drive from the east side of Berkey Hall to West Circle Drive will be replaced with two traffic lanes and two bike lanes (connecting to the existing profile in front of the El and Eddyhe Broad Art Museum), providing appropriate vehicular, pedestrian and bicyclist safety improvements. The intersection of Beal Street and West Circle will be reconfigured to provide a safer environment and ten on-street parking spaces will be removed north of Adams Field to alleviate pedestrian/vehicular visibility issues in this area.

The project is located on north campus, along West Circle Drive, between Beal Street and East Circle Drive (Fustace-Cole Hall) in the north academic district.

Questions, comments, concerns?
Design Representative: Scott Gardner, mgardner@plant.msu.edu, 517-432-0782
Design Representative: John Lefevre, jlefevre@plant.msu.edu, 517-864-6740
Construction Representative: Andy Linebaugh, alinebau@plant.msu.edu, 517-432-7103

Presentations
Project area

Steam and Road Reconstruction – Chestnut Road & Steam Tunnel to I.M. West Building
Steam tunnel will run from Munn Ice Arena to IM West, but Munn loading dock will remain accessible. On-street parking will be removed and relocated, and bike lanes will be added. Construction from May 7, 2012 to August 17, 2012.
Steam and Road Reconstruction – Chestnut Road & Steam Tunnel to I.M. West Building
June 2012

Project phases

SEGMENT 1: MAY 7 - MAY 21
1. CHERRY STREET CLOSED TO THROUGH TRAFFIC (EXCEPT cycles)
2. PARKING LITE 81 CLOSED
3. PARKING LITE 82 CLOSED
4. DEMO HALL ENTERED
5. DEMO HALL FLOOR CLOSED
6. DEMO HALL ROOF CLOSED
7. CHERRY STREET CLOSED TO THROUGH TRAFFIC (EXCEPT cycles)

SEGMENT 2: MAY 21 TO JUNE 15
1. DEMO HALL CLOSING DATE TO THROUGH TRAFFIC (EXCEPT cycles)
2. PARKING LITE 81 CLOSED
3. PARKING LITE 82 CLOSED
4. DEMO HALL ENTERED
5. DEMO HALL FLOOR CLOSED
6. DEMO HALL ROOF CLOSED
7. CHERRY STREET CLOSED TO THROUGH TRAFFIC (EXCEPT cycles)

SEGMENT 3: JUNE 15 TO AUG 19
1. DEMO HALL CLOSING DATE TO THROUGH TRAFFIC (EXCEPT cycles)
2. PARKING LITE 81 CLOSED
3. PARKING LITE 82 CLOSED
4. DEMO HALL ENTERED
5. DEMO HALL FLOOR CLOSED
6. DEMO HALL ROOF CLOSED
7. CHERRY STREET CLOSED TO THROUGH TRAFFIC (EXCEPT cycles)

SYMBOL LEGEND
- PROJECT SEGMENT 1
- PROJECT SEGMENT 2
- PROJECT SEGMENT 3

NORTH
Looking south down Chestnut Road at reconstruction
Looking north into IM west at casing installed for utilities
Kalamazoo Road is now open to the public
Trail closed, utilize parking structure bridge. Access to sports fields will be maintained.
Chestnut Road and New Steam Tunnel to IM West Building

In-Construction
May 2012 - August 2012

Description: The direct-buried steam and condensate lines in this area were installed in 1958. The lines have been repaired several times and continue to require attention, including the repair of leaks in the lines, valves and fittings. In addition, this segment of Chestnut Road and Demonstration Hall Road are deteriorating and are not configured to current MSU standards, including bike lanes.

This project is located southwest of the IM West Building, along Chestnut Road, in the athletic and recreation district. This project involves the replacement of the existing direct-buried steam and condensate return lines with new lines in a steam crawl tunnel, along with the reconstruction of Chestnut Road. Some on-street parking will be removed from Chestnut Road and bike lanes will be implemented. Demonstration Hall Road will have bike route signage. This project also includes sewer separation, storm water management improvements and water main improvements to the region.

Timeline: This project is scheduled to begin construction in May 2012, with substantial completion in December 2013.

Questions, comments, concerns?

Design Representative: Scott Gardner, mgardner@ppplant.msu.edu, 517-432-0782
Construction Representative: Andy Linebaugh, alinebau@ppplant.msu.edu, 517-432-7103
Stadium – Replace Existing Scoreboards and Install Sound System
Spartan Stadium – Replace Existing Scoreboards and Install Sound System
June 2012
Spartan Stadium – Replace Existing Scoreboards and Install Sound System
June 2012
Northwest scoreboard framing
Northeast scoreboard framing
Northeast scoreboard framing
Spartan Stadium – Replace Existing Scoreboards and Install Sound System

In-Construction
March 2012 - August 2012

Description: The existing Spartan Stadium scoreboards, including video display and sound system, were installed in 1998. The technology these boards use has become outdated and more difficult to service, as parts are no longer being manufactured. The sound system, which is housed in the existing south scoreboard, also uses outdated technology that does not adequately service the facility. The outer skin of the south scoreboard continues to be problematic during high winds, requiring regular repair. These boards also lag behind other highly competitive Football Bowl Subdivision football stadiums. Contemporary scoreboards allow additional revenue opportunities, and are becoming the norm for Big Ten football stadiums.

Spartan Stadium is located between Shaw Lane, Chestnut Road and Red Cedar Road in the Athletic and Recreation District. This project involves replacing the existing scoreboards, including sound system and video display, with more energy-efficient technology. There will be two scoreboards located on the north end with a ribbon panel that spans the north end of the bowl and one larger scoreboard on the south end. The new scoreboards will include structural improvements.

Questions, comments, concerns?
Design Representative: Scott Gardner, mgardner@plant.msu.edu, 517-432-0782
Construction Representative: Kevin Durkin, kdurkin@plant.msu.edu, 517-432-2153
MSU Union – Renovations to First Floor Lobby

Union Building
**Base Project**
- Help Desk
- Ramp and Stage between Large Lounge and Upper Circulation Corridor
- Update Interior Finishes – Large Lounge, Corridors
- Location for USPS Kiosk
- Location for Credit Union ATMs

**Culinary Services**
- Coffee Venue – “Vanilla Box Build-Out”
- C-Store Relocation
- Reface Food Service Venues (3) and Modify Circulation Pathways

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**LINE OF SECURED SPACE AFTER HOURS OF OPERATION**
MSU Union – Renovations to First Floor Lobby
June 2012

MSU Union - Renovations to First Floor Lobby
In-Planning/Design
June 2011 -

Description: The MSU Union, a campus landmark, is prominently located along Grand River Avenue, adjacent to a main entrance of Michigan State University. Additions to the building were completed in 1936, 1949, 1980 and 1997, resulting in a total current area of 186,000 square feet. While there have been numerous programmatic changes over the years, the core "college union" philosophy of providing a hub for student activity has been maintained. Residential and Hospitality Services Strategic Plan envisions continued vitality for the Union, but the building does not currently meet the needs of the primary audience of students and visitors.

It will include renovation of the first floor concourse, main lounge, and reconfiguration and renovation of retail outlets including the coffee shop and Sparty's Convenience Store. An information desk will be created at the intersection of the pedestrian flow and a new connection to the lower lounge from the upper lobby will be built to increase accessibility. The lounge and lobby will receive new finishes including flooring, carpet, paint, and furnishings. The One Union Square Food Court will be updated and modified to increase food preparation and patron efficiency.

Construction will take place during the summer of 2012.

Question, comments, concerns?

Design representative: Jeff Kasdorf, kasdorf@ppplant.msu.edu, 517-353-5141
Construction Representative: Tony Rhodes, trhodes@ppplant.msu.edu, 517-432-7104
Entrance to the building
Renovating steps of north entrance
Power washed limestone band at bottom of windows
Removing concrete under granite steps
Landing before entrance doors
North main entrance to the building
Administration Building - Renovations to the First and Ground Floors and North Entrance

In-Planning/Design
December 2011 - July 2012

Description: Administrative realignments and operational activities have resulted in the need to relocate and/or consolidate the Contract and Grant Administration, Office of Sponsored Programs; Office of the Registrar; Controller’s Office; and Administrative Information Services. In order to accommodate the organizational changes, improve operational efficiencies and support adjustments in staffing levels, space on the ground and first floors of the Administration Building will be renovated and configured to provide space that affords optimal efficiency to the departments. The north stairway and entrance areas have had chronic waterproofing issues as well which have caused damage in occupied office space on the north end of the ground floor.

The planning of this project is anticipated to include renovation of the first and ground floors to accommodate staff from the Contract and Grant Administration, Office of Sponsored Programs; Office of the Registrar; and Administrative Information Services. The renovations will include the purchase and installation of open office systems furniture; construction of offices and a conference room; painting; ceiling and lighting modifications; power, data, and phone for the new offices. It is also anticipated to include removal of the barrier-free ramp, planters and granite steps at the front entrance of the building in order to make foundation repairs and to install a waterproofing membrane. The planters and granite steps will be returned and a new barrier-free ramp with a snow-melt system and entranceway will be constructed to comply with current construction standards.

The Administration building is located on West Circle Drive, adjacent to Olds Hall, in the North Academic District.

Questions, comments, concerns?
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Design Representative: John Lefevre, jlefevre@ppplant.msu.edu, 517-884-6740
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Key features:

- Construction Projects
  - Project info
  - Contact information
- Construction Detours
- Construction Junctions
- Construction Listserv
Construction Junctions continue monthly

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

Summer meetings move to
1415 Biomedical and Physical Sciences Building

• July 12
• August 9
• September 13 (location TBD)

Please sign in and take a survey before you go!