• Board of Trustee updates

• New presentations
  • Clinical Center – Replace Fire Alarm Systems

• Project updates
  • Steam Distribution – West Circle Steam Loop – 2012
  • Steam and Road Reconstruction – Chestnut Road & Steam Tunnel to I.M. West Building – 2012
  • Old College Field Phase VII
  • Eli and Edythe Broad Art Museum
  • Northbound US-127 Auxiliary Lane Widening (Michigan Department of Transportation)
  • Harrison Road Reconstruction from Trowbridge Road to Mount Hope Road (City of East Lansing)
Step 2: Authorization to Proceed

- Hannah Administration Building – Renovations to Ground and First Floors and North Entrance
Step 2: Authorization to Proceed

- Auditorium – Alterations to Fairchild Theatre
- Clinical Center – Replace Fire Alarm Systems
Clinical Center – Replace Fire Alarm Systems
Fire alarm project background

1. Current system is 36 years old (30-year life cycle)

2. Maintenance issues – False alarms and availability of spare parts

3. Need for a separation of the fire alarm systems between the Clinical Center from the C-Wing Animal Quarters
A Wing
Clinical Center – Replace Fire Alarm Systems
April 2012

A Wing

- Clinical suites - patients
Clinical Center – Replace Fire Alarm Systems
April 2012

B Wing
B Wing

- Support offices
- Physician offices
- Labs
Clinical Center – Replace Fire Alarm Systems
April 2012

C Wing
C Wing

- Animal quarters
- Offices
Communications

- University departments involved

MSU College of Osteopathic Medicine

MSU University Laboratory Animal Research (ULAR)

MSU College of Human Medicine
Schedule

**PROJECT**
1. Finishing design of new fire alarm system
2. Starting material take-offs and equipment selection
3. Contacting building users and starting planning meetings

**TIMEFRAME**
1. Project will begin in July 2012
2. Project will be completed in July 2013

**CONSTRUCTION PLAN**
1. B-Wing - normal working hours
2. C-Wing - coordinate with AAALAC inspection, HVAC and security projects, work second shift to keep schedule
3. A-Wing – work second shift, weekends for privacy and to minimize disruptions
**Existing fire alarm panel**

1. Monitors A, B, C Wings – located in A-Wing
2. Cross connection to fire alarm panel in the Radio-Pharmaceutical building near D Wing
New fire alarm panel

1. Monitor A, B, C Wings – location to remain in A-Wing
2. Keep cross connection to fire alarm panel in the Radio-Pharmaceutical building near D Wing
3. Features include – better diagnostics, less false alarms, interactive graphic display alarm annunciator
Clinical Center – Replace Fire Alarm Systems

Clinical Center - Replace Fire Alarm System

In-Planning/Design
December 2011 - July 2012

Description: The existing fire and smoke alarm system in the Clinical Center was installed during the original construction in 1976 and is past its expected useful life. False alarms in the building are increasing and creating operational challenges.

The planning of this project is anticipated to include a new fire alarm and smoke detection system for the Clinical Center, which includes the A, B and C wings.

The Clinical Center is located on Service Road in the South Academic District.

Questions, comments, concerns?

Project Representative: Kane Howard, khoward@pplant.msu.edu, 517-355-6486
Steam Distribution – West Circle Steam Loop – 2012
Looking west down West Circle Drive, adjacent to the Abbot Road intersection
Looking west down West Circle Drive in front of Landon Hall
Access tunnel between Yakeley and Landon Halls
Looking southeast at the site of the new steam vault 368
Earth retention work beginning on existing steam vault 110
Installation of earth retention system near Old Botany Hall
Looking west Linton Hall from the Old Botany Building
Communication materials

- Michigan State University uses steam to heat campus buildings. Some of the steam tunnels, on MSU’s historic north campus, are more than 100 years old and in need of repair to avoid failures of steam delivery to north campus buildings. This West Circle Steam Loop project will address all of those needed repairs and ensure reliable steam service to this part of campus.
- The project will occur in four segments spanning the summers of 2012 to 2015.
- The 2012 segment of the project will include four phases. The 2012 phases will replace the steam distribution loop around West Circle Drive and repair and replace steam piping, supports, and equipment within existing steam tunnels.
- For the most updated information and detour maps, visit: construction.msu.edu/westcircle2012

Construction site sign
Steam Distribution – West Circle Steam Loop – 2012

**Description:** The north campus arch-style steam tunnels are 87 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 Landis 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 fireflow capacity and reliability. Additional communication 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 Eli and Edythe 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 (Fuscoe-Cole Hall) in the north academic district.

**Questions, comments, concerns?**

Design Representative: Scott Gardner, mgs.gardner@plant.msu.edu, 517-432-0782
Construction Representative: Andy Linebaugh, alineb@plant.msu.edu, 517-432-7103
Project area
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.
Project phases

SEGMENT 1: MAY 7 - MAY 21
1. 7TH STREET CLOSED TO TRAFFIC
2.zyma ST RELOCATED TO TOP COMMUNITY PARKING lot
3. 2ND STREET/LEYBOLD ROAD CLOSED
4. EMERGENCY ACCESS TO MAIN ICE ARENA THROUGH SOUTH ENTRANCE
5. EMERGENCY ACCESS TO DEMONSTRATION HALL

SEGMENT 2: MAY 21 TO JUNE 15
1. 7TH STREET CLOSED TO TRAFFIC
2. 9TH STREET CLOSED TO TRAFFIC
3. 11TH STREET CLOSED TO TRAFFIC
4. EMERGENCY ACCESS TO MAIN ICE ARENA THROUGH SOUTH ENTRANCE
5. EMERGENCY ACCESS TO DEMONSTRATION HALL

SEGMENT 3: JUNE 15 TO AUG 19
1. 7TH STREET CLOSED TO TRAFFIC
2. 9TH STREET CLOSED TO TRAFFIC
3. 11TH STREET CLOSED TO TRAFFIC
4. EMERGENCY ACCESS TO MAIN ICE ARENA THROUGH SOUTH ENTRANCE
5. EMERGENCY ACCESS TO DEMONSTRATION HALL

SYMBOL LEGEND
- Project Segments
- North
CONSTRUCTION.MSU.EDU

Chestnut Road and New Steam Tunnel to IM West Building

In-Planning/Design
July 2010 – December 2011

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@ippplanl.msu.edu, 517-432-0782
Construction Representative: Andy Linebaugh, alinebau@ippplanl.msu.edu, 517-432-7103
View of project area before renovations
View of project area through Phase VI
Overview of plaza
Northwest view of plaza entrance
Ground level view of entrance
View of ticket booths at plaza entrance
Proposed sculpture area, looking across plaza at softball entrance
Looking south at ticket booths and contributing donors sign
Old College Field Phase VII

DETOUR AHEAD - TRAIL CLOSED, UTILIZE PARKING STRUCTURE BRIDGE TO ACCESS SPARTY.

O.C.F. PEDESTRIAN ACCESS WILL SHIFT AS Dictated BY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CLOSELY COORDINATE WITH OWNER TO SCHEDULE WEEKLY FIELD ACTIVITY ENTRANCE POINTS AND PATHS WITHIN.

DETOUR - TRAIL CLOSED, UTILIZE PARKING STRUCTURE BRIDGE (with arrow to right)

DETOUR AHEAD - TRAIL CLOSED, UTILIZE PARKING STRUCTURE BRIDGE TO KELLOGG & BRODY

PED/BIKE DETOUR - NO ACCESS TO KELLOGG & BRODY - UTILIZE PARKING STRUCTURE BRIDGE

DETOUR AHEAD - TRAIL & PED BRIDGE CLOSED, UTILIZE PARKING STRUCTURE BRIDGE TO KELLOGG & BRODY

DETOUR AHEAD - TRAIL CLOSED, UTILIZE PARKING STRUCTURE BRIDGE TO KELLOGG CENTER & BRODY (with arrow facing up)

DETOUR AHEAD - TRAIL CLOSED, UTILIZE PARKING STRUCTURE BRIDGE TO KELLOGG CENTER & BRODY (with arrow facing left)

DETOUR AHEAD - PEDESTRIAN/BIKE DETOUR TO KELLOGG CENTER & BRODY (with arrow to right)

DETOUR SIGNS BY M.S.U.
Old College Field Renovations - Phase VII - Entrance Plaza and Electrical/Communication Upgrades

In-Construction
March 2012 - August 2012

Description: Michigan State University is in the process of improving its baseball, softball and soccer facilities to create a unified collegiate complex intended to heighten the athletic experience for players, coaches and visitors. Work is complete on the batting and pitching facility, the DeMartin Soccer Complex, McLane Baseball Stadium at Kobs Field, the concessions/restroom building and Secchia Stadium (softball). The 2006 master plan calls for an entrance plaza to welcome visitors through a centralized gateway, a donor plaza and a ticketing building. In addition, the electrical and communications systems, including lighting, are in need of updates.

Old College Field is located north of Jenison Field House in the Athletic and Recreation District. This project involves construction of a new ticketing building, gateway to all three venues, pedestrian and bicycle paths, and a donor plaza. The project will also provide permanent power, communications and broadcast connections to Old College Field from Jenison Field House.

Questions, comments, concerns?

Design Representative: Deb Kinney, kinney@plant.msu.edu, 517-432-0324
Construction Representative: Kevin Durkin, kdurkin@plant.msu.edu, 517-432-2153
Construction Junction

MDOT Project Information

April 12, 2012
2012 Construction in the East Lansing Area
Northbound US-127
Auxiliary Lane Widening

Late May through August
How will traffic be affected?
Approaching the northbound 127 and westbound 496 split, all northbound 127 traffic will be required to be in the right-hand lane. Just north of the split there will be only 1 lane of northbound 127 traffic.
The entrance ramp from Trowbridge Road and the exit ramp to Kalamazoo Street will remain open. Northbound 127 and eastbound 496 traffic that is bound for M-43 will be directed to exit at Kalamazoo Street and travel north on Homer Street to M-43.
The entrance ramp from eastbound 496 will have its own lane and will not need to merge with northbound 127 traffic. Two lanes of northbound traffic will be maintained through the construction area.
The exit ramp to M-43 will be closed due to its proximity to the construction area, and also to minimize traffic weaving in the work zone area.
Questions and Comments

for construction updates, go to:
www.michigan.gov/drive

to sign up for email alerts, go to:
www.michigan.gov/mdot
select “Projects and Programs” and then “Road & Bridge Projects”
Harrison Road Reconstruction from Trowbridge Road to Mount Hope Road
City of East Lansing

HARRISON AVE. 2012 TENTATIVE CONSTRUCTION SCHEDULE

Data 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)
- E.B. Trowbridge Utility Crossing: May 31st (10:00 PM to 6:00 AM)
- W.B. Trowbridge Maintained - Detoured North
- E.B. Trowbridge Maintained - Single Lane Only

Intersection Curb/Ramp Work:
- June 1st to June 18th (8:30 AM to 3:30 PM)

Intersection Removal/Paving:
- June 19th to June 20th (10:00 PM to 6:00 AM)

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.
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For updates on all things Physical Plant follow @MSUPhysPlant on twitter and become a fan of our facebook page – MSU Physical Plant Division. Also, check out our YouTube page at youtube.com/physicalplantmsu for virtual tours of major projects on campus.
BEFORE YOU GO, VISIT THE CONSTRUCTION ‘SITE’:

CONSTRUCTION.MSU.EDU

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

• May 10 (B122 Wells Hall)
• June 14 (1415 Biomedical and Physical Sciences Building)
• July 12

Please sign in and take a survey before you go!