Today’s agenda

• Board of Trustee updates

• New presentations
  • Chittenden Hall – Renovation

• Progress updates
  • Morrill Hall – Demolition
  • Transportation Services – New Fuel Station
  • Spartan Stadium – North End Zone Addition
  • MSU Union – North Neighborhood Engagement Center and Multicultural Center
  • Auditorium – Alterations to Fairchild Theatre
  • Business College Complex – Eppley Center – Rebuild Classrooms
Step 2: Authorization to Proceed

- Olin Health Center – Chiller Replacement

Step 3: Bid and Contract Award

- Administration Building – Second Floor Renovations
Step 1: Authorization to Plan

- Veterinary Medical Center – NCU – Renovate Rooms D100-D102
- West Circle Housing Complex – Infrastructure Improvements (2014)
- Bessey Hall – Renovate Third Floor

Step 2: Authorization to Proceed

- Chittenden Hall – Renovation
- Spartan Marching Band – Artificial Turf Field
- North Campus Infrastructure Improvements – West Circle Drive (2014)
Chittenden Hall – Renovation

Project area
Objective:

• Comprehensive renewal while preserving its historical character
  o Building is on the State Register of Historic Sites
  o Has been closed for almost 15 years

• Renovations to support and create a visible location for the Graduate School

• Consistent with comprehensive renewal projects completed at
  o Eustace-Cole Hall
  o Marshall-Adams Hall
Background:

- Built in 1901 at a cost of $15,000
- 13,500 gross-square-foot building
- Located on West Circle Drive and part of historical Laboratory Row
- Initially known as the Dairy Laboratory, designed for the production and study of dairy products
- 1913 the dairy moved and it became home of the Department of Forestry until 1966
- 1969 the building was formally named after Alfred K. Chittenden
- College of Agriculture and Natural Resources, Department of Agricultural Economics graduate students occupied until 1999
- 1999 to present building vacant and awaiting renewal
Program goals:

- Create a place of focus for the Graduate School by consolidating services and staff in one location
- Create an identifiable location that will include office, conference, and gathering space in support of graduate students and graduate education
- Improve the efficiency and delivery of services for graduate students and programs
- Support ongoing efforts to increase graduate participation and increased demand for services
Project scope:

- Exterior restoration of masonry, new roof, gutters, waterproof foundation, and new windows and doors
- Barrier-free accessibility including elevator installation
- Landscape and walkway improvements
- Heating, ventilation and air conditioning and energy-conservation measures
- Infrastructure and code compliance including plumbing, electrical, data, telephone systems, asbestos and lead paint abatement, fire and life safety
- Interiors to respect historical features but configured for contemporary standards, upgrade all interior finishes, install new furnishings
Chittenden Hall – Renovation

Terrace plan
First-floor plan
Second-floor plan
Preservation zones

LEGEND:

- **PRESERVATION LEVEL 1**: Highest area of historic significance and design sensitivity
- **PRESERVATION LEVEL 2**: Secondary space with some historic material integrity which offer greater design intervention potential
- **PRESERVATION LEVEL 3**: Secondary space with minimal to no historic material integrity
West elevation
Chittenden Hall – Renovation

South elevation
East elevation
North elevation
Building section
Exterior rendering of plaza
Interior rendering
Sustainability goals:
• Achieve performance equivalent to LEED silver rating
  o Sustainable site
  o Water efficiency
  o Energy and atmosphere
  o Materials and resources
  o Indoor environmental quality
  o Innovation and design that are up to MSU standards
## Project schedule

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Design representative:
Amr Abdel-Azim
amabdelazim@ipf.msu.edu
517-432-0323
Why?

• Built in 1900, it had outlived its usefulness. The building had structural issues, high heating costs and was too expensive to maintain for the amount of useable space it provided.
• The work scope involved:
  • Abatement and salvage
  • Demolition
  • Site restoration
  • Commemorative terrace – Morrill Plaza
• MSU installation of the Morrill Plaza masonry and landscaping.
Impacts/timeline:

- Salvage and abatement completed: May 2013
- Demolition completed: June 2013
- Site restoration and terrace completed: Contractor substantial completion Aug. 16, 2013
- Completion for the Morrill Plaza masonry and landscaping: September 2013
  - Commemoration event to be scheduled
- Project site is open to pedestrian traffic with MSU masonry and landscaping ongoing through September.
- All barricading on East and West Circle Drive have been removed
- Other notables:
  - Recycling data is being compiled, with the goal of 70% of the demolition materials to be recycled and/or salvaged.
Ramp 6 viewed through plaza
June demolition progress
July site restoration progress
Completed site work and plaza
Rendering of Morrill Plaza

PROPOSED LANDSCAPE WALKWAY THROUGH MORRILL PLAZA
Rendering of completed plaza
Memorabilia sale

- Items from Morrill Hall such as desks, lamps, tables and chairs may be purchased through the MSU Surplus Store.
- Bricks will be available for purchase in the near future.

MSU Surplus Store – Morrill Hall Collection

A. Workstation #1301
   Sitting roughly 49 inches wide, 23 inches deep and 31 inches tall, this smaller-sized writing desk offers an ideal workstation for your cramped bedroom or office space.

B. Seiko Clock #1302
   Add an elegant touch to your living space with this quiet, battery-operated Seiko clock. Equipped with a centered top-loop, the timepiece can either be displayed on a flat surface or hung from the ceiling.

C. Kaiser Kuhn Lamp #1303
   At first glance, this decorative piece serves as a portable lamp by Kaiser Kuhn Lighting Ltd. However, take a closer look at the lamp’s metal base and you will find a hidden storage compartment, perfect for hiding treasures or storing your favorite book.

D. A New and Complete Treatise on the Theory and Practice of Fencing #1304
   By John McCarthy. Published by J. Murray. Copyright 1784. See page 21 for full details. Price $1.00.
Construction representative:
Chris Barnes
cbarnes@ipf.msu.edu
517-355-1628

Morrill Hall -- Demolition

Project phase: Construction

In June 2010, the Michigan State University Board of Trustees approved a plan to demolish venerable Morrill Hall on the campus’s north side.

Close monitoring of the internal wooden structure of Morrill Hall has revealed irreparable deterioration, indicating that the more-than-100-year-old building was approaching the end of its useful life. The university determined that reconstruction and restoration of the building, which was built in 1900, would not be economically feasible.

The replacement of Morrill Hall offered the university a unique opportunity to significantly upgrade the quality of space for its former occupants, and to achieve a more efficient use of space through effective design and allocation: The award-winning addition to Wells Hall was completed in August 2012 and renovations to Old Horticulture were completed in December 2012.
Morrill Hall of Agriculture Dedication ribbon cutting
Doug Morrill – IPF employee and distant relative of Justin S. Morrill
Transportation Services – New Fuel Station
September 2013
Rendering of fuel station and car wash
**Why?**

- **Safety and environmental issues require moving the fueling station from Spartan Stadium.**

- **There are efficiencies to keeping the car wash, which is at the end of its useful life, located with the fueling station. Relocation of the car wash would also eliminate the need to move vehicles for major events at Spartan Stadium.**

- **This project includes:**
  - Decommissioning the existing fueling station and underground fuel tanks on east side of stadium.
  - Creating new fueling station on Service Road, including:
    - gas pumps,
    - an overhead canopy paved,
    - circulation space for large and small service vehicles (including buses),
    - a new car wash to replace the existing facility.

- **This station is for fueling university vehicles only.**
Project updates:

- The new fuel station is now open
- Car wash will be open in early December

Impacts:

- Old fuel station at stadium will be shut down permanently
- Fleet cars will now fill up at the new fuel station
Fuel station / car wash
Heated pipes under concrete for snow melt
Actual fuel pumps looking southwest
Construction representative:
Kevin Durkin
kdurkin@ipf.msu.edu
517-432-2153

Transportation Services – New Fuel Station

Project phase: Construction

The original Transportation Services Fueling Station was located adjacent to Spartan Stadium. There were safety and environmental issues that require moving the fueling station from this large assembly area. Further, there were efficiencies to keeping the car wash, which was at the end of its useful life, located with the fueling station, and relocation of the car wash eliminated the need to move vehicles for major events as Spartan Stadium. The project team identified Service Road, east of the Laundry Building, as the best location for a new facility.

The project is located at Spartan Stadium (between Shaw Lane, Chestnut Road and Red Cedar in the Athletic and Recreation District) and on Service Road (east of the Laundry Building). This project included decommissioning the existing fueling station and relocating the function to the Service Road location. The new station includes underground tanks, dispenser units and overhead canopy paved circulation space to accommodate large and small service vehicles as well as buses and rental vehicles. The project also includes construction of a new car wash to replace the existing facility.
North view – schematic design rendering
Why?

• Provide an all-sports recruitment facility, campus-wide media center and new football locker rooms and support spaces.

• This project includes:
  • A 55,000 square feet two-level addition,
  • adding recruiting rooms to the concourse level,
  • building new locker rooms and team spaces,
  • creating media center on the lower level of the addition,
  • adding future restrooms on the concourse level,
  • adding donor plazas at J and K gates,
  • renovating gates to comply with Homeland Security requirements.
Project updates:

• Under pinning of existing stadium footings is complete
• Earth-retention systems in place
• Footings for new building being formed and placed
• Underground site utilities under the building are complete
  • Will resume site utilities post-football season
• Temporary access to tunnel restricted to public. Public will have an alternate entrance.

Timeline:

• Construction began July 9
• Construction will continue through the football season
• Completion schedule for July 2014
Tunnel courtyard prior to construction
Tunnel courtyard site demolition

Spartan Stadium – North End Zone Addition
September 2013
Installation of auger cast piles for earth retention system
Installation of auger cast piles for earth retention system
Mass excavation and installing earth retention system
Installation of building footings
MSU Spartan Athletics video

Spartan Stadium – North End Zone Addition
September 2013

Spartan Stadium North End Zone Expansion
Construction representative:
Jason Van Zee
jvanzee@ipf.msu.edu
517-432-2675
Background:

• Project included:
  o office space
  o semi-private and private group meeting and study space
  o integration of art and culture into the design
  o multi-purpose space for such program activities as dance practice and cultural presentations.
  o ground floor was redeveloped for meeting rooms, study and programming space, in part to replace functions currently located on the second floor

Project updates:

• Substantially completed at the end of August
• Project completed on schedule
Mosaic Center multipurpose room
Mosaic Center entrance
Engagement Center computer lab
University classroom
Mosaic Center lounge
Engagement Center
Construction representative:
Nick Wilk
nwillk@ipf.msu.edu
517-353-8619
Why?

- The 560-seat Fairchild Theatre, located within the auditorium at the intersection of Farm Lane and Auditorium Road, provides an adequately sized facility, but has limited effectiveness as a music venue due to the lack of an orchestra pit and proper acoustics.

- This project includes:
  - installation of an orchestra pit with a lift system;
  - an orchestra shell with acoustical upgrades;
  - relocation of the scene shop dressing room and prop storage room;
  - renovation of existing, and construction of additional restrooms;
  - barrier-free accessibility will expand access to the lower level of the building; Arena Theatre, upper balcony seating and second-and third-floor offices;
  - installation of an elevator.
Project impacts:

- All Auditorium Road pedestrian detours are removed.
- Construction work along the south side of the building will have periodic impact on the kiln area for the Kresge Art Center.
  - These impacts will be short in duration and will be coordinated in advance with the associated departments.

Timeline:

- Spaces managed by the Department of Theatre were turned over to the department at the end of August for classroom use. Space includes new studio theatre, craft room and laundry, costume shop, arena theatre and dance studio, as well as numerous faculty offices.
- Fairchild Theatre will host its first performance on Oct. 28.
- Substantial completion: Oct. 25
Auditorium – Alterations to Fairchild Theatre
September 2013

For time lapse video: http://webcams.christmanco.com/
Construction representative:
Todd Wilson
tdwilson@ipf.msu.edu
517-432-4355
Project updates:
• Project was delivered in fast-track manor
• Completion date ready for the first day of school
• Maintained occupancy of adjoining classrooms

Project impacts:
• Construction took place with Eppley in operation
• Coordinated site access with Bogue Street intersection
Original classroom

Renovated classroom
Projection screens with marker boards

Acoustical panels for sound absorption
Visit the new campus maps: www.maps.msu.edu
In Spartan Service to MSU

IPF strives to be the most high-performing, innovative, leading-edge facilities organization in the nation, with a focus on quality, customer satisfaction and value in all we do. “In Spartan Service” is a new recurring feature highlighting IPF’s commitment to the MSU community.

The following examples exemplify IPF’s commitment:

• Preventative maintenance averts campus disasters: IPF staff keeps a trained eye on all of MSU’s systems to prevent problems from happening. Here are two examples of the “behind the scenes” (or in these cases, “underground”) efforts that our crews handle daily to keep campus running smoothly.
• IPF staff removes tree-root mass: IPF maintenance crews discovered during routine maintenance a mass of tree roots in a section of the campus drainage system. Removing the mass averted a potential campus flooding issue.
New IPF website

- Alerts feed
- Construction
- Resources
- Listservs
- Much more!

www.ipf.msu.edu
Stay connected via social media

New names to represent new IPF unit!

For updates on all things IPF follow MSUfacilities on twitter and become a fan of our facebook page – MSUFacilities. Also, check out our YouTube page at www.youtube.com/FacilitiesMSU 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

- Oct. 10 Brody Hall, Room 112
- Nov. 14 Brody Hall, Room 112
- Dec. 12 Brody Hall, Room 112

Please sign in and take a survey before you go!