NEW-AND-IMPROVED SURVEYS!
They are available on the table at the front of the room

• 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!
Today’s agenda

- Board of Trustee updates
- Campus Snow Plan
- All University Traffic and Transportation Committee presentation

New presentations
- Parking Lot 97 – (Engineering Research) Expansion
- Veterinary Teaching Hospital – Nursing Care Unit Renovation
- Facility For Rare Isotope Beams – Building Structure

Progress updates
- West Circle Housing Complex – Infrastructure Improvements – 2014 (Phase 2 Of 2)
- North Campus Infrastructure Improvements – West Circle Drive 2014
- Chittenden Hall – Renovation
Step 2: Authorization to Proceed

- Veterinary Teaching Hospital – Nursing Care Unit Renovation
- Parking Lot 97 – (Engineering Research) Expansion
- Engineering Building – Chiller Replacement

Step 3: Bid and Contract Award

- Bessey Hall – Renovate Third Floor
- Well House 32 – Construct Original Building
Step 3: Bid and Contract Award

- Veterinary Teaching Hospital – Nursing Care Unit Renovation
- Parking Lot 97 – (Engineering Research) Expansion
- Engineering Building – Chiller Replacement
• 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
Meet one of our snow-removal experts: Matt Bailey
Safety

- Do not dart out in front of or behind snow-removal equipment. It is large, loud and difficult to stop quickly.
- Make eye contact with a snow-removal equipment operator before crossing in front of him/her.
• Salt and ice-melt compound
  • Dial 353-1760 to report icy spots on campus.
  • It takes time for the ice-melt compound to take effect.
Remember... your help is needed!

WALKWAY ICE MELT

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!

INFRASSTRUCUTRE PLANNING AND FACILITIES  WE KEEP MSU RUNNING
ipf.msu.edu • Call 353-1760
• **Sidewalks**
  
  • Do not park so close to the sidewalk that your car’s bumper hangs over it.
• **Parking lots**

  • Avoid parking in the part of a lot that has not yet been cleared.
  • Park where it’s plowed or wait a few minutes for the driver to finish and then park freely in the cleared lot.
• Residence hall parking loops
  • Parking is prohibited in residence hall loops between 2 a.m. and 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 353-1760.
• If you can’t call, tweet IPF (@MSUFacilities) to report snow concerns (and to send photos).
• 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
• E-mail feedback, suggestions and comments to snowplan@ipf.msu.edu.
All University Traffic and Transportation Committee (AUTTC)

Welcome!

The All University Traffic & Transportation Committee, hereinafter referred to as "AUTTC", is advisory to the Police Chief and Director of the Department of Police and Public Safety on matters pertaining to motorized and non-motorized transportation to the MSU community.

The committee membership includes the following representation: faculty representatives, students residing both on and off campus, graduate students on and off campus, students living in University Apartments, collective bargaining groups, Campus Planning and Administration, Committee on Sustainable Campus, MSU Bikes, Ombudsman Office, Physical Plant, Residential and Hospitality Services, Resource Center for Persons with Disabilities, Student Affairs Office, University Police, and CATA.
Outline

* What and who is AUTTC?
* Status of 2012-13 recommendations
* Directives for 2013-14
Purpose

* Advises on matters pertaining to motorized and non-motorized transportation on the MSU campus
Reports To

* Formerly: Vice-President for Finance and Operations and Treasurer
* Since 2013: Police Chief/Director of Department of Police and Public Safety (Chief Dunlap)
Members (29)

- ASMSU (Meghan Mitchum, Kevin Perlberg, x2)
- Auxiliary Enterprises, Residential and Hospitality Services (x1)
- Bike Service Center (Tim Potter)
- Campus Planning and Administration (Jeff Kacos)
- CATA (Matthew Greene)
- Department of Police and Public Safety (John Prush)
- Faculty (Whitney Miller, Sarah Nicholls, x1)
- Graduate students (Parrisa Brown, Nathaniel Smith-Tyge)
- Greek system (Megan Becker, x1)
- Infrastructure Planning and Facilities (Jim Fashbaugh)
- Office of Campus Sustainability (Judy Marteniuk)
- Office of Student Affairs and Services (Pat Dyer-Deckrow)
- Ombudsperson (non-voting) (Bob Caldwell)
- Residence halls (x5)
- Resource Center for Persons with Disabilities (Virginia Rutan)
- Unions (Danielle Martin-Stoney, Jeanette Robertson, Robert Nowicki)
- University apartments (x1)

Executive Secretary: Wendy Buckwalter/Kate Rice
2012-2013
RECOMMENDATIONS
RECOMMENDATION ONE

* Institute the communication manager position and provide an annual budget for communicating information specifically on transportation (motorized and non-motorized) and pedestrian news and safety matters

* Not possible due to lack of funding
RECOMMENDATION TWO

* Negotiate the placement of digital signage inside the MSU/CATA Transportation center to communicate to the MSU Community

* Not possible due to CATA policies and federal regulations
RECOMMENDATION THREE

* Accelerate the change of campus street lighting to brighter lighting and prioritize the change schedule to primary traffic crosswalks first

* Underway (IPF)
To be more proactive and consistent in planning of all campus bicycle and moped parking, the planning function should be assigned solely to Infrastructure Planning and Facilities.

Unlikely
RECOMMENDATION FIVE

* Review current bike and pedestrian way finding signs located on campus off road paths, and increase as necessary

* Underway (CPA)
2013-2014
DIRECTIVES
DIRECTIVE ONE – ACCESSIBILITY

* AUTTC should make recommendations on accessibility issues that pertain to traffic and transportation

* UTE ADA inventory > IPF
AUTTC should make recommendations on how to successfully continue the blend of all modes of transportation on campus

**Cars, CATA, private buses, bikes, boards, scooters, mopeds, pedestrians, etc.**

**How/where we drive/ride + park**
DIRECTIVE TWO –
HARMONY IN MOBILITY

* Scooters + mopeds – where they drive + park
* Skateboards, etc. – where they ride
* Carpooling + mass transit – how to encourage

* Review current rules/regs, review other schools’ rules/regs and traffic/safety campaigns
* Develop recommendations re. (i) rules/regs and enforcement thereof, and (ii) media messaging
DIRECTIVE THREE – MARKETING AND COMMUNICATION

* No new communications position … but … DPPS Press Officer + MSU Communications/Brand Strategy

* AUTTC should make recommendations on what the marketing message on traffic and transportation should be
NEW WEBSITE COMING SOON

* Make AUTTC more visible
* Encourage public input
  * Comment section with mapping capabilities
QUESTIONS?
Parking Lot 97 – (Engineering Research) Expansion

Lot 97
Site history:

- Parking Lot 97 was originally constructed with the Engineering Research Complex in 1986.
- A perimeter drive and additional parking were added in 2007 with construction of the Energy and Automotive Research Facility.
Parking Lot 97 – (Engineering Research) Expansion

Current aerial photo of site
Poor pavement condition
Poor pavement condition

Parking Lot 97 – (Engineering Research) Expansion
Overview of construction projects in area

Parking Lot 97 – (Engineering Research) Expansion
Program:

• Project goal
  o Provide additional parking capacity near the new Bio Engineering Facility.

• Scope
  o Add approximately 260 parking spaces to the existing 201.
  o Reconstruct lot to meet current standards for safety, accessibility, storm water management, lighting efficiency and pavement.
Project requirements:

• Energy and sustainability
  o Existing and new parking lot lighting will be LED.
  o Demolished concrete curb and walk material will be recycled as pavement base.

• Just-in-time maintenance
  o The existing pavement is in need of replacement whether the lot is expanded or not.

• Storm water
  o Entire lot, excluding perimeter drive, will be pervious pavement.
  o Aggregate allows for water to escape more easily, and filter to groundwater more slowly. Also aids with snow melt.
  o Requires more cautious maintenance
Parking Lot 97 – (Engineering Research) Expansion

Proposed layout

PARKING DATA

EXISTING CONDITIONS
STANDARD SPACES PROVIDED: 191
BARRIER FREE SPACES PROVIDED: 8
TOTAL SPACES PROVIDED: 199

PROPOSED CONDITIONS
STANDARD SPACES PROVIDED: 449
BARRIER FREE SPACES PROVIDED: 9
TOTAL SPACES PROVIDED: 458
Program:

• Lot 97 will be closed during the construction period, except for access by Environmental Health and Safety vehicles.
  o Alternative parking may be available in Lot 92 (across Service Road, next to the Chilled Water Plant)
Parking Lot 97 – (Engineering Research) Expansion

Road closure and detour map

- Detours
  - Vehicle
  - Pedestrian

- Roads
  - Closed
  - Lane Restriction

- Closed Areas

Filter By:
- Occurring Now

Print Map

Access maintained for Environmental Health and Safety response vehicles only.

Door closed. Emergency exit only (typical).
Plantings to be removed

- Remove and replace or transplant (11) Whitespire Manchurian Birch trees.
- Transplant (4) Accolade Elm trees.
- Remove (12) existing Ash trees, replacing with transplanted Elms and other more durable species.
- Remove (3) Norway Spruce trees.
Plantings to be removed

View from south

Remove

Protect

Same group, view from north
Plantings to be removed

View from north

Same plants, view from east
Parking Lot 97 – (Engineering Research) Expansion

Design representative:
Dave Wilber
dwilber@ipf.msu.edu
517-884-2186
Room D100 (looking north)
Veterinary Teaching Hospital – Nursing Care Unit Renovation

Room D100B (looking west)
Room D102 (looking north)
Project goals

• Modernize Critical Care Unit via flexible floor plan
• Centralize observation for 24-hour specialized care
• Mechanical upgrades: ventilation and temperature control
• Provide natural light; install roof monitors and windows
**Project scope**

- Treatment and cage areas: 1,580 square feet (sf)
- Staff station: 145 sf
- Quiet room: 360 sf
- Lab: 120 sf
- Anteroom: 75 sf
- Isolation: 230 sf
- Dog runs: 220 sf
- Utility closet: 65 sf
- **Total**: 2,800 gross sf

**Timeline**

- Start of construction: June 2014
- Substantial completion: September 2014
Project requirements

• Energy and sustainability
  o Upgrade inadequate ventilation and temperature controls
  o Roof monitors with north-facing windows will allow natural light without unwanted heat gain
  o In general, the project will be designed to LEED standards, although certification will not be pursued
  o Low-VOC (volatile organic compounds) materials will be specified
  o Regional and recycled content materials will be specified where appropriate

• Safety and security
  o Intercom and video link to front desk
  o Direct contact to campus police
  o Lock-down capability at main entrance
  o A separate emergency (security) exit to the exterior is proposed
Impacts and opportunities

• Current Critical Care Unit (CCU) will become the Nursing Care Unit (NCU) space. Current NCU space will become the CCU Unit.
Veterinary Teaching Hospital – Nursing Care Unit Renovation

Project location
Proposed area of renovation
Proposed floor plan
Looking north from entrance
Looking east toward quiet room
Looking northeast toward anteroom and isolation
Looking northwest from quiet room
Bird’s-eye view from northwest
University departments involved

- MSU Public Safety
- MSU IPF
  Engineering and Architectural Services
  Fire and Security Services
- MSU College of Veterinary Medicine

Veterinary Teaching Hospital – Nursing Care Unit Renovation
Veterinary Teaching Hospital – Nursing Care Unit Renovation

Design representative: Jeff Kasdorf
jkasdorf@ipf.msu.edu
517-353-5141

Veterinary Teaching Hospital – Nursing Care Unit Renovation

Project phase: Planning/Design

The Veterinary Medical Center (Veterinary Teaching Hospital) was built nearly 50 years ago. More than 5,000 animals receive treatment each year in the nursing and critical care units of the Veterinary Teaching Hospital. As with human hospitals, critical care and “step down” nursing care units are now staffed 24/7 with specialized staff and equipment. Open floor plans have proved to be the most efficient for continuous patient monitoring and delivery of care.

This project is anticipated to include an open, flexible floor plan to allow for centralized observation and 24-hour specialized care, along with mechanical upgrades and the introduction of natural lighting.

The Veterinary Teaching Hospital is located at the corner of Bogue Street and Wilson Road in the Central Academic District.

Questions, comments, concerns?

Design representative
- Jeff Kasdorf, jkasdorf@ipf.msu.edu, 517-353-5141
FRIB traffic and pedestrian routing during construction

- FENCE
- PEDESTRIAN ROUTE
- BARRICADE + SIGNAGE
- TRAFFIC CONTROL
- BARRICADE
- REMOVE MEDIAN – CREATE 3 ADJACENT TRAFFIC LANES
- MIDDLE LANE AVAILABLE FOR EITHER TRAFFIC FLOW DIRECTION AS REQUIRED – CONTROLLED W/ CONES
Conventional facilities site layout
Rendered perspective, southwest view
Rendered perspective, northeast view
Project representative:
Brad Bull
babull@ipf.msu.edu
517-908-7751

Additional information:
http://www.frib.msu.edu/
Project area
Project scope:
• Second phase of a two-phase project
• New steam tunnel, electric service, communication ducts and water main replacing 50-year-old services
• Improved reliability for all utility services

Timeline:
• Some early start work in March
• Visible construction complete by August
• Continue electric cut-overs through December
Impacts:

- Some parking loss to Delta Court (West Circle Housing Complex planned to be vacant for summer)
- Maintain construction access to the Landon Hall construction site (via West Circle Drive)
- Delta Court closed east of the Wills House driveway
Utility layout
Construction detour plan (May 5 – Aug. 10)
CONSTRUCTION.MSU.EDU

Design representative:
John LeFevre
lefevr20@ipf.msu.edu
517-884-6740

Construction representative:
Kevin Durkin
kdurkin@ipf.msu.edu
517-432-2153
Project area
**Project scope:**

- This project is the third of a four-phase program to replace the deteriorating north campus arch steam tunnels. It involves:
  - removing and replacing existing steam tunnels and building service leads;
  - increasing the steam distribution mains to the region;
  - increasing line capacity for high-pressure steam distribution mains;
  - converting the condensate return from a vacuum system to a pressure return; and
  - upgrading the MSU Museum’s steam service to high-pressure steam and pressure condensate return.

**Timeline:**

- Construction start: November 19, 2013
- Planned construction end: Fall 2014
Impacts:

• During construction, all the buildings in the zone of influence will be converted to high-pressure steam and pressure-condensate return lines, improving energy efficiency.

• West Circle Drive will be replaced with two traffic lanes and one bike lane (one-way traffic), providing appropriate vehicular, pedestrian, and bicyclist safety improvements.

• Pedestrian detours are in effect around the project site.
Completed bulkhead separating existing steam tunnels’ connection to Chittenden Hall
View of the concrete lid for vault 385 being poured, west of Morrill Hall of Agriculture
View of the completed concrete lid for vault 385, west of Morrill Hall of Agriculture
View of the cast-in-place wall forms being installed for new steam vault 386
View of the new steam vault 386 site
Construction detour plan
Construction representative:
Andy Linebaugh
alinebau@ipf.msu.edu
517-432-7103
**Project scope:**

- This project involves a comprehensive renovation that respects the historical features of the exterior and interior of the building. Interior spaces to support the Graduate School program will drive the design and layout of these rooms. Additionally, the renovations will include the building infrastructure and just-in-time needs such as plumbing, heating ventilation and air conditioning, electrical, life safety, and data; building envelope and foundation; accessibility, including addition of an elevator and restrooms.

**Timeline:**

- Construction start: Nov. 19, 2013
- Planned construction end: Fall 2014
Impacts:

• Lot 7 is partially closed for duration of project.
View of the exposed exterior foundation repair locations including enclosure
Forming the elevator pit foundation in the basement
Contractors repairing structurally deficient floors
Contractors preparing to recycle existing building materials
The Dairy Building Becomes Forestry

Posted on January 30, 2014

What is now known as Chittenden Hall was originally called the Dairy Building. The building housed dairy operations for over a decade beginning in 1900.

The Michigan State Agricultural College Catalogue for the year 1901-1902 describes the Dairy Building as follows:

_The Dairy Building was erected in 1900, at a cost of $15,000. It contains a large room properly equipped with separators, ch urns, and workers of the latest and best types for instruction in butter-making. This room is 50_
Construction representative:
Andy Linebaugh
alinebau@ipf.msu.edu
517-432-7103
New-and-improved detour information: https://ipf.msu.edu/construction/detours/index.html
In other IPF news

**IM Sports West water main break**


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**Water main break at IM Sports West**

**Contact(s):** IPF Communications

*Last updated Jan. 21, 2014, 3:30 p.m.*

In the early morning of Jan. 15, a crew from Infrastructure Planning and Facilities discovered a leak in the water main under the gymnasium floor in the IM Sports West Fitness Center. As of today, Jan. 21, IPF crews have completed all repairs, and water has been fully restored to the building. All restrooms, showers and drinking fountains are once again fully functional.

It does not appear at this time that the water main break is due to the recent extreme weather conditions, rather due to aged piping under the gymnasium floor.
In other IPF news

IPF staff involved in President Obama’s visit

MSU Today article
IPF staff involved in Morrill Plaza development, dedication

Additional photos of event

In other IPF news
New(ish) 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](https://twitter.com/MSUfacilities) on **twitter** and become a fan of our [facebook](https://www.facebook.com/MSUFacilities) page – [MSUFacilities](https://www.facebook.com/MSUFacilities). Also, check out our [YouTube](https://www.youtube.com/FacilitiesMSU) page at [www.youtube.com/FacilitiesMSU](http://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

- March 13 - Anthony Hall 1279
- April 10 (Construction Awareness Day) - Anthony Hall 1279
- May 8 – Location TBA

Please sign in and take a survey before you go!