

PHYSICAL PLANT FOCUS

The Newsletter of Physical Plant at Indiana University - Bloomington

Fall 2006

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Physical Plant Focus is the newsletter of the Department of Physical Plant at Indiana University - Bloomington. **Physical Plant Focus** is published three times a year.

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Summer Renovation at Briscoe

With many people off-campus for the summer, it is the ideal time to take on projects that would disrupt residential and academic life during the year. One of Physical Plant's projects this summer was renovating the Briscoe Quad North dining room. In 1997, half of the dining room was renovated into office space. This summer, the remaining dining room space was converted into academic support offices and an electronic classroom that seats over 75 people.



Tim Hobson and Mike Baker of the carpentry shop.

making plans with the Architect's Office at the very beginning of this project through all the work in the building,

everyone has been wonderful. It's been a completely positive experience and we're so grateful."

Physical Plant started preparing the space in the early summer. Bob

Wetzel, Coordinator for Building Maintenance, says, "We went in and gutted everything – all the walls, conveyor, floor, ceiling." They could then essentially start with a blank slate. New walls went up to make the framework for the electronic classroom and offices.

Nine shops worked together to complete the demolition of the old room, floor tile abatement, and wall construction, as well as install the doors, hardware, lighting, outlets, three hot water reheat coils, plumbing, distribution ductwork, motorized screen, classroom technology, and smoke detectors. The Carpentry, Sheet Metal, HVAC (Heating/Cooling), Plumbing, Electric, Electronics, Elevator/Fire Alarm, Asbestos, and Van Drivers all did their parts skillfully to bring the new technology room and offices to Briscoe. •



Tim Hobson

Building Maintenance Coordinators

Physical Plant has three Craft Coordinators for Building Maintenance: Bob Wetzel, Bill McCoy, and Erv Schindel. Their job is to schedule the numerous craft shops, order major pieces of equipment, and make sure critical events happen at the job site in the appropriate sequence. The Craft Coordinator also communicates regularly with the customer, Craft Shop Supervisors, vendors, and suppliers to determine sequencing and timing of equipment and material deliveries. Building Maintenance has a fourth coordinator, Lance McDonald, who handles all the preventative maintenance activities. •



Bob Wetzel at Briscoe.

Focus Overview: From the Director's Desk



Hank Hewetson

The beginning of a new school year is always an exciting time...especially if you are brave enough to try to drive across campus on move-in day! This school year will be particularly exciting as it will bring a great many changes for Physical Plant.

First and foremost, our main offices will be moving into a new facility in early 2007. The new Service Building will be located on Range Road and construction is currently well underway (see *New Service Building Update* on page 6).

Being so far from the center of campus will present numerous challenges to all of our service staff. It will be a big change, but having brand new administrative offices and craft shops will be well worth it. As the project progresses and we get closer to a move-in date, further information will be available regarding the move.

Along with the move to Range Road comes another exciting change - the Central Heating Plant renovation. As you may recall, the state requested we solicit requests for proposals to evaluate the possibility of a third party enterprise operating the heating plant. The evaluation showed that our current staff can operate the heating plant more cost effectively than an outside vendor. I am pleased to report that the state approved our capital appropriation.

Design work for the first phase of the renovation project will begin very soon, with construction work planned to begin in the spring of 2007. Our Utilities staff will be challenged as they operate the heating plant during this multi-phased construction project over the next several years, but in the end, we will have a much cleaner and more efficient plant.

Sometimes change can be intimidating, but a new Service Building and a more modern Central Heating Plant will be well worth the minor inconveniences and challenges we will face beginning this semester.

• **Hank Hewetson**

In Focus: Harry Rushton

After 38 years with Physical Plant, Harry Rushton retired on May 31, 2006. He worked in the sheet metal shop and specialized in roof work.

Harry repaired and applied built-up roofs and did a lot of weather proofing. No matter what the weather is, if a roof is leaking, the job is to find and fix that leak.

Jeff Broadstreet, Foreman of the Sheet Metal Shop, says, "To me, that job is the hardest one on campus. It's cold in the winter and hot in summer. You're out there when it's raining, you're out there in the sun."

Indeed, for Harry, the most challenging part of the job was, "Climbing around... and the weather."

Even if the weather is fine, actually finding a leak

can be pretty tricky. Over the years, Harry did a great deal of this work. Jeff explains, "It's not easy to find the hole causing a leak. Sometimes the hole can be the size of a pinhead. So you're looking for a black hole on a black roof." Once located, the hole – and the problems caused by the leak – can be fixed pretty quickly. "The hard part is finding the hole," Jeff says. "If we can find it, we can fix it."



Harry Rushton (center, with rolled up paper) and the sheet metal crew at his retirement party in May.

When asked if he had any advice for the people doing the roof work this summer (see *Building Maintenance* on page 4), Harry chuckled, "I wish them a lot of good luck."

As far as Harry's retirement plans go, he says he's just going to enjoy it. And probably not work on any roofs. •

In Focus: Campus Division

When prospective students, parents, new employees, and visitors come to IU, they are greeted by the university's lush greenery, abundant flowers, clear walkways, convenient benches, and more. These are just some of the areas developed and maintained by Campus Division.

Terry Clapacs, Vice President for Administration, explains their mission best: "We've been given this gift of a natural setting – it's pastoral and rural. We have an obligation to maximize the setting, and Campus Division is the key to getting it done."

To maximize the land, Campus Division covers many tasks to keep IU functional and beautiful for both everyday use and special events. Campus Division's responsibilities fall into four categories: grounds maintenance, landscaping, outdoor construction, and special services.

Grounds Maintenance

Maintaining 2,000 acres involves quite a few tasks. First, the grassy areas need mowing, weed whipping, edging, seeding, aerifying, watering, weeding, cultivating, fertilizing, pruning, mulching, chipping, and spraying of herbicides and pesticides. To

help control some of the growth, they are exploring growth inhibitors. Mike Crowe, Director of Facilities, says, "We're trying them just on the banks because they're harder areas to mow." In response to requests for alternative weed control methods, he says, "We're going to an organic treatment for turf, weed control, and fertilization. We'll start that in Dunn Meadow." As long as it's safe and effective, Mike is glad to try it.

Another important part of grounds caretaking is the trees. Tree trimming, removal, and maintenance as well as limb pickup and leaf removal are key to keeping the greenery looking healthy.

Clearing the roads, paths, and parking lots is a vital part of Campus Division's mission. One of the more challenging tasks is snow and ice removal. Mike says, "Dealing with

ice is a very difficult task. There really isn't a good way. The best thing is to try to deal with as much as possible before the ice hits." They also handle trash removal as well as parking lot cleanup, striping, patching, and bumper block replacement.

Landscaping

Terry Clapacs says, "IU is a collection of courtyards, open spaces, and green spaces, with strong architecture. All that is tied together through landscaping efforts."

Campus Division keeps IUB colorful with an extensive array and schedule of flowers. The nursery operation handles annual flower and fall mum production as well as the planting of these flowers and bulbs. This part of Campus Division also installs new landscape material for construction projects.

Construction

The construction crew, with 14 full time workers, creates the hardscape all over campus. They install and repair hard surfaces including sidewalks, curbs, retaining walls, brick walkways, and patios. They also handle bicycle parking implementation and maintenance. In addition, they install and remove (and promptly re-install) playground equipment. Their masonry services

"Campus," continued on page 8



The Sample Gates welcome visitors to IU. Campus Division maintains the flower beds, trees, lawn, and sidewalks here.



On July 24th the Environmental Health and Safety department, in conjunction with Purdue University's Cooperative Extension service, led a training session on required federal Spill Prevention, Control and Countermeasures (SPCC) guidelines. Because Campus Division employees handle large quantities of petroleum products, this training was required. The trainers (including Dan Derhiemer from Environmental Health and Safety and Fred Whitford from Purdue) helped the participants role-play their way through the steps of responding to a spill, including cordoning off the area, stopping the spill, cleaning up the area, assessing the damage, contacting the Campus supervisors and managers, and communicating with the IUPD and Environmental Health and Safety. ●

Building Maintenance Starts Rehabilitation Projects

Even with new buildings going up on campus, it's still important to keep the old ones in good shape. There was a significant push this summer to rehabilitate many of IU's buildings to keep them running smoothly.

The scope of work involves repairing and replacing roofs as well as re-tuckpointing exterior building masonry joints. IU received virtually no Repair and Rehabilitation (R&R) funding from the state during the past four years. This year the state provided long overdue funding for building repair and rehabilitation projects. These funds will be used for projects that have been deemed emergency in nature, most of which involve building integrity issues. As Bob Breeden, Assistant Director of Building Maintenance, explains, "We've been given emergency (R&R) funds to keep buildings from leaking. This work is very much needed." He adds, "We're very lucky this funding came through."

Tuckpointing

Over time, a building's masonry joints weaken, letting water leak through between the stones or windows. Tuckpointing renews the joints to repel water again.

Six buildings are benefiting from the tuckpointing portion of the project. Sycamore Hall and 1022 E 3rd will have tuckpointing done as well as reglazing and painting the windows. The Herman B Wells Library will have tuckpointing done on the upper part. Smaller tuckpointing jobs will also occur at Wright, Speech and Hearing, and Woodburn Hall.



The eastern side of 1022 East Third Street will have the windows reglazed and painted in addition to tuckpointing.

Roof Repair and Replacement

Another key component to rehabilitating the buildings is making sure any problems with roofs are addressed. Bob says, "There's been a lot of patching up to now. But it's time for more extensive repairs and even some replacement."

Roof repair or replacing is scheduled for: Herman B Wells Library, Music Practice Building, School of Public and Environmental Affairs, Smith Research Center, Speech and Hearing Clinic, University School Child Care Center, Wildermuth Intramural Center (HPER), and Woodburn Hall.

Beyond the Summer

Building Maintenance also has a number of other large projects planned for this fiscal year. Keep your eyes open for these improvements:

- Furnace replacement at Hillcrest;
- Replacement of reverse osmosis water system for laboratories at Jordan Hall;
- Upgrade of controls at Jordan Hall for better monitoring of constant temperature rooms;
- General sprucing up the interior of Ballantine Hall
- Abatement at the Cyclotron;
- Replacement of some water cooled a/c units with air-cooled ones for utility savings;
- New chilled water loop in Swain.

In addition, this division is working with Electronics to complete technology classroom upgrades. While the Classroom Technology Group (see page 7) focuses on the equipment itself, Building Maintenance prepares the room to handle the equipment by installing the conduits, hangars for cameras, screens, and blinds. ●

Thanks for the photos!

Many thanks to **Mary Adams, Jay Owens, Dennis Underwood, Lee Walters, Bruce Williams, and the UAO** for letting us use their pictures in this issue.

Keep up the photography!

Need recycling information? Check out our recycling page at www.indiana.edu/~phyplant/recycling.html

Building Services Management Recognition Ceremony

On June 28, 2006 Building Services held its annual Management Recognition Ceremony at the Law School building. Present at the ceremony were Physical Plant Director Hank Hewetson, Assistant Director of Building Services Greg Fichter and Coordinators Daryle Cofield, Tom Fallwell, Jay Owens, and Randy Sutherlin.

agement skills in organizing and using their available resources to keep a clean, healthy environment for the students, faculty, staff, and visitors to the Bloomington Campus.

The following supervisors were awarded certificates of appreciation for these efforts:

**Shelby Anderson
Jerry Bland
Teresa Bowman
Ralph Evans
Charles Glidden
Jennifer Krebbs
Steve Mobley
Barbara Paris
Cherryl Tincher
Charmaine Terry
Steve Waldrip
Jerry Warthan**

Also honored were group leaders. They were honored for their leadership role in the department.

**Mike Arsenault
Joe Bornhorst**

**Thom Chambers
Mike Clark
Deanna Crane
Jim Dwyer
Jessica Hoene
Dave Irwin
Karen Kurdziolek
Dave Lane
Delmar May
Frank Meiser
Stan Robertson
Kip Shell
John Sexton
Dave Sparks
Cleo Vernon**

The following group leaders received awards for Outstanding Attendance. This is awarded for those who miss two or fewer unscheduled days for the year.

**Mike Arsenault
Deanna Crane
Dave Irwin**

The Core Group is proud to have these people on our Building

Services Division Management Team and wish them continued success in the upcoming fiscal year.

• **Jay Owens**



John Campbell, winner of the Bill Pardue Award.

Ralph Evans was the winner of the James R. Davis Outstanding Supervisor Award. Winners of this award are selected by their peers.

John Campbell was the winner of the Bill Pardue Award for Outstanding Group Leader. Recipients of this award are nominated by their supervisor and selected by the Core Group.

Supervisors were honored for their outstanding man-



Ralph Evans, winner of the James R. Davis Award.

Management Trainees

The five members of the 2006 class of Management Trainees successfully completed their first training phase on June 7, 2006. The program, which consists of approximately nine months of on-the-job training, prepares employees to advance into group leader positions, the first level of management in Building Services.

Building Services Division Core Group met with each trainee to review their progress and to solicit input on their training. Each trainee was also asked to give any recommendations on ways to improve the first phase of the training program. We wish them continued success in the program. • **Jay Owens**



The 2006 Training Class: Marco Ancil, John Groomer, Sherry Meadows, Clifton Payne, Doug Smith.

Business Affairs: Ivy Tech to Help Train Apprentices

Changes are coming to the Apprenticeship Program – changes that will ultimately give the apprentices more opportunities and cost Physical Plant less money.

Dennis Underwood, the Training and Development Coordinator, has re-vamped the program. Starting in January, apprentices will take classes at Ivy Tech State College. “It’s a little bit of a different way of thinking,” Dennis explains. “The apprentices will get college credit for their work and not just the BAT [Bureau of Apprenticeship and Training] certificate.”

“The guys doing the training now are great,” says Dennis. “But today everyone has to do things that they aren’t necessarily trained to do, like comput-

ers and math.” The coursework will include one computer class and two math courses. Apprentices will still gain on-the-job training with experienced journeymen. This way, they will continue to get the complete training for their trade while also learning other skills to help them excel at all aspects of the job.

While still committing to four years as apprentices, those under the revised program will accrue credits that can lead to an Associate’s Degree and Bachelor’s Degree if desired. Those in apprenticeable trades in the IUAP can earn:

- Completion of Registered Apprenticeship and award of Certificate of Completion from the US Department of Labor, Bureau of Apprenticeship & Training;

- Technical Certificate from Ivy Tech State College with credits counting towards an Associate’s Degree.

“By doing it this way,” Dennis explains, “the training program will shift from the old reliable – which works – to a combination of the old and new that will, in the end, provide better journeymen.”

The program will ensure those trained are at the peak in each respective trade and will give them the foundation to advance faster and qualify for additional training for higher future earnings.

With more people earning recognized certificates in each industry, Physical Plant will likely be able to provide even more competitive services: the new program brings training costs down, plus the training at Ivy Tech is in line with what people in other industry and building trades are doing.

There is also pressure to recruit and train more apprentices as soon as possible. A good portion of the Physical Plant workforce will be eligible for retirement in the next 4-5 years, so it is imperative to get apprentices matched with the potential retirees soon so they can learn from their experiences. ●



Congratulations!

Kevin King completed his training in the Utilities Advancement Project and moved up to Master Specialist from Senior Specialist. He received his award on April 17, 2006. ●

Kevin King and Mike McGinnis.

New Service Building Update

Construction on the new Service Building has begun! Wilhelm Construction won the bid and has made a lot of progress this summer. As of mid-August, the site has been prepared, the foundation has been laid, and installation of buried utilities are underway.

At this time, the building is estimated to be complete by the end of December. The big move itself - everything from shop equipment to thumbtacks - is tentatively set for the semester class break during late December 2006 and early January 2007. ●



Electronics Wires More and More Classrooms

When the Classroom Technology Group formed in the mid-1980s, it was a group of engineers who built four prototype rooms. They hand-wired chips and programmed at the chipset level. When Dave Withered started working there in the early 1990s, one part-time and three full-time people took care of the university's seven technology classrooms. Today, with four full-time staff, the group handles over 220 rooms. Although they now primarily use plug-and-play equipment, they still



Dave Withered manages many control systems remotely.

do the design and programming, which includes remotely managing the control systems from the group's office.

As teachers and students use more and more technology in their research, presentations, and lectures, it is vital to provide classrooms with the equipment they need. This group works closely with UITS Classroom Technology Services and the IUB Classroom Committee to plan and realize the technology systems. This year they intend to bring another 80 rooms on-line, for a total of more than 300 rooms with high-tech systems. According to Dave, "That will put us up there among of the leaders of the nation for wired classrooms."

Wiring Classes

The Classroom Technology Group - Tom Hehner, Bill Lewis, Jeff Smith, and Dave Withered - have worked hard to bundle a

system with the desired equipment for an economical price. One goal is for the users to be able to use the system without any training. Dave says, "We want it to be simple so you can use it without mistakes. It's pretty utilitarian." The system includes a data projector, sound system, computer, laptop interface, DVD/VHS player, and touch panel control system. There are also external connections to accommodate people bringing in IPODs and thumb drives.

First they installed these systems into the larger auditoriums. Now they are working on the rooms which seat between 40 and 80 people. In mid-July, they finished installing the systems into 10 classrooms in Sycamore Hall and were preparing for 25 new rooms in Ballantine Hall.

Beverly Teach, the Director of Classroom Technology Services and Co-chair of the Classroom Committee, says "Everyone worked really hard this summer to accomplish our goals. I'm happy with it all - the

Electronics' Security Group, the crafts and coordinators, and everybody else. I'm really pleased with everything that was done and how good it all looks."

With an aggressive installation schedule, the group's focus has shifted to design, set up, and troubleshooting. In fact, with much of the equipment being affordable as well as plug and play, they now usually just replace a broken component.

Dave explains, "We've tried to build the system so we can do something on-site in the 15 minute break between classes - like switch a lamp out or replace a VCR - and have it ready for the next class. Sometimes it's a real pressure-cooker environment, but we get it done most of the time. We've tried to standardize the equipment so we have most parts on hand."

Teamwork

Dave attributes his group's success to solid teamwork both with their partners and within the group. "We work on the rooms from the design stage all the way up," Dave says. "We have input at all stages and a good rapport with the classroom support groups, engineers, and architects." Over the years, the Classroom Committee has developed a model classroom description so the technological needs are identified early in the process. This helps the Classroom Technology Group keep costs down by avoiding change-orders and re-work.

"We have a pretty good team concept and we've developed quite a partnership," says Beverly. Dave agrees. "We do well," he explains, "because we've got a good team that works well together - our group, sheet metal, electric shop, carpentry shop, engineers, architects, and classroom support. The crafts coordinators and their guys are really great. They check in with us when a new room is going in to be sure we know about it. And they will bend over backwards to get things done that we need. They've been really helpful. It's fair to say that it's really a combined effort." •

April 19, 2006

Hank,

Tonight I had four staff members that got stuck in one of the Business elevators and this was right around 10:22. I called the control center and the elevator repairman had my staff members out of the elevator by 10:30.

I believe this was Paul Brown, he did an outstanding job in a matter of minutes, I do not think we would get service like this anywhere else, please let him know we appreciate the fast service.

Thanks,

Chuck Glidden

Custodial Supervisor
Kelley School of Business

Engineering Services Expands Wrubel for Cutting-edge Computers

Big Red isn't the only computer in town. There are many other computers necessary to keep IU running, and they have to be housed and well cared for. Recently, UITS upgraded the Wrubel Computing Center to better meet the needs of the "regular" computers.



Inside the new Chiller Building.

This summer, Engineering Services completed the first of two expansions at Wrubel. It provides a better environment for computers used for research and networks so vital to the university's work. It also presented a new challenge for the engineers. Up to now, the computers

were cooled by internal fans as well as keeping the entire room cool. Now, the computers are cooled directly in addition to maintaining the room temperature.

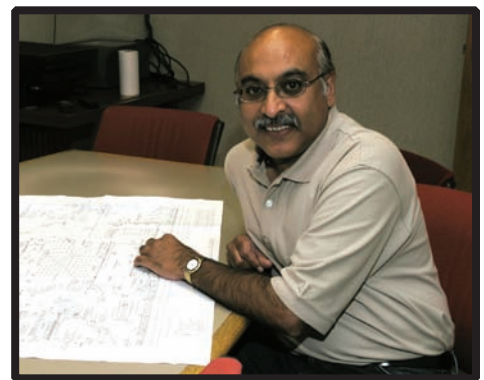
P.K. Patel, the Mechanical Engineer overseeing this project for Engineering Services, explains that overall "the computing industry is shifting to produce computers that are generating more heat, but have a small footprint. The challenge is to get rid of so much heat from a small box."

UIITS bought a cutting-edge water cooled computer system for the Wrubel Computing Center. "It's a new cooling system," P.K. notes, "and the first time we've installed it. It was pretty interesting to figure out how to do those." They researched the system requirements and talked with the computer hardware manufacturer to help determine how to best set up the rooms.

The expansion first involved expanding the data center itself from one room to two. This phase added approximately 3,400 square feet to the data center.

To keep the additional computers and equipment running and cool, three external structures were built: an electrical transformer, two cooling towers, and a small chiller building. The chiller building holds two 200 ton chillers.

There are plans for further expansion in a few years: an 1,800 square foot room for the data center, another chiller, and cooling tower. The piping and lines between the chiller, data center, and towers are ready to be extended. With the infrastructure in place, when the next expansion occurs, it should go quickly. •



P.K. Patel

"Campus," continued from page 3

include creating blue stone walks and patios, benches, and signature bricks.

Some recent work includes the plazas for the crimson clock towers by Woodburn Hall and the Neal-Marshall Center. This summer two more were installed – in the Arboretum and another by Swain and Rawles Halls. "They've made great improvements on the overall hardscape at IU," commends Mike Crowe.

Special Services

Campus Division covers many other responsibilities that are key to keeping the university running. Mike Crowe says, "Events are a big part of what we do – the Little 500, commencement, every home game, Founder's Day, and Foundation events." Campus sets up and assists in the events in addition to ensuring the areas are clean before, during, and after. They

also deliver and pickup barricades for various events.

Other special services provided are campus-wide signage repair and replacement as well as vandalism repair.

Teamwork at IU and beyond

Campus Division has developed close working relationships with other offices in and beyond the university. One frequent partner is the City of Bloomington. Campus works closely with the director of Public Works, particularly concerning the city roads that go through campus. There are also plans for a new shared salt storage facility for treating roads after snow: IU will provide the space and the city will build it.

Within Physical Plant, Building Services has added some tasks to help. Mike Crowe explains, "They've taken up some traditionally Campus tasks. For

example, they'll remove trash outside of the building. They also will do the hand snow removal from doors and sidewalks. This works because they have a couple hundred people at night who can do it right away if it starts snowing." This helps the Campus crew accomplish the snow clearing faster and more efficiently.

For many projects, Campus works closely with the University Architects Office. Mia Williams and Mark Ramsey are landscape architects and, as Mike Crowe points out, "They're both a big, huge part of the team."

Everyone's efforts are rewarded with the campus's beauty. Terry Clapacs says, "I've seen a lot of campuses in America, and this is the most beautiful one. It's the most beautiful one because of the men and women in Campus Division. They understand what Mike Crowe and Mia Williams are doing with the designs and carry out the work superbly." •

Utilities Maps the Way to More Powerful Knowledge

They used to spread out maps on the table to see where the utility lines were. Another stack of papers told them about the status of the lines. Now, they can see all the information with a few clicks of the mouse on the computer.

Since 1997, the Utility Information Group (UIG) has been putting as much utilities information as possible into a Graphical Information System (GIS) map – a



Donnie Goodwin and Lee Walters gathering and recording utilities information.

detailed map of utilities locations linked to a database of details about each point. This helps identify spots that may need more maintenance or other attention. The UIG is now using their experiences at IUB to help other IU campuses develop similar maps.

This project stems from new federal stormwater regulations. One requirement is a GIS mapping of the stormwater conveyance systems, catch basins, and holding sumps by the end of 2008. Mark Menefee, Assistant Director of Utilities, says, "The stormwater regulations forced us to have better maps." Since they needed to map the stormwater lines anyway, why not map the other utilities too?

Once the information is in the database, it can be easily accessed and updated. This allows utilities experts to locate lines, troubleshoot, solve problems, and perform routine maintenance in a timely manner. Because of both the UIG's mapping experience at IUB and the need for other campuses to start it, Lee Walters developed a proposal to map the utilities at the regional campuses. "The campuses," Lee says, "were thrilled we were willing and able to do it."

At Kokomo and South Bend

In April and June, Lee Walters, Mike Farris, Mary Adams, Brady Jackson, and Donnie Goodwin spent five days each at the Kokomo and South Bend campuses. They mapped everything they could using locators, GPS equipment, old maps, and intuition. Lee says, "What we got was amazing – it was much better than expected."

For much of the mapping, they started practically from scratch. This meant looking into manholes to see what was there, putting dye in, and then following it around campus to see where the lines went. "They spent a lot of time in the manholes to see what was going on," Mark sympathetically says.

"We mapped everything we could find that wasn't nailed down," Lee says, "The stormwater system was the priority, then we did the rest as we could." At Kokomo, the team took 10,000 GPS points. Lee estimates they took twice that at South Bend. They were well-prepared for the task; because of all the work done at IUB, they already knew what information would be of the greatest value. And that's what they focused on in the few days they had.

They also were successful thanks to the help of the people at Kokomo and South Bend. Lee says, "All the people



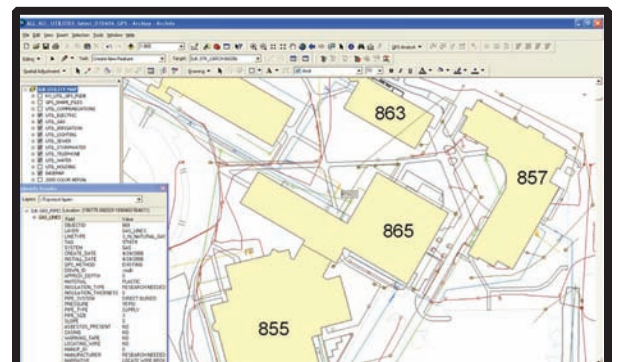
The UIG Team on site: Mike Farris, Mary Adams, Brady Jackson, Lee Walters, and Donnie Goodwin.

couldn't be any more happy and helpful. They showed us what had changed with drawings and anything else they had. And we couldn't have asked for a better reception from them. They greeted us with open arms, master keys, and gave us free reign." Between the team's expertise and the campus staff's help and hospitality, the trips to Kokomo and South Bend were extremely productive.

The team also benefited from this project. "It was good to take our skills and really test them on an unfamiliar campus to find everything we could," Lee says. "It was a good experience – we enjoyed it."

Time to Make a Map

The next step is to merge the information from the trips with the old map, aerial maps, and GPS points. This time consuming process should be complete and on the server by the end of the summer - just in time for them to go to IU-Northwest in Gary at the end of September. They are also hoping to map the New Albany and Richmond campuses in spring 2007. ●



A screen shot of the GIS map.

Milestones

Work Anniversaries

45 years

Edward Bell
Bob Breeden

30 years

Randy Carter
Donna George
Russell Johnson
Jack Kenealy
James Riley
Doug Trueblood
James Voliva

25 years

Mary Adams
Jeff Broadstreet
Randall Hamm
Steven McCutchen
Rodney Stalcup

20 years

Shelby Anderson
Kennedy Brown
Randy Sutherlin
Lee Walters
Jerry Warthan

15 years

Joe Bornhorst
Roy Chambers
Bob Ciasto
Diane Crider
James Ferguson
Lee Ann Jackson

10 years

Date Aters
Ron English
Tim Fleener
Keith Frazier
Tom Hessman
Paul David Johnson
Dan Keith
Mike Lewis
Shelley Mobley
Renee Prince
Paul Searle
John Sexton
Jeff Sims
Mary Smith
Glenda Stowinsky
Lawrence Thompson
Richard Weaver
Stephen Park Wilbur
Andy Winter

Welcome New Staff!

Business Affairs

Jeanell N. Hughes
Mary Robbins

Building Services

Bill Bridges
Larry Deckard
Jerry Fishel
Dustin Jones
Bryan Kiefer

Engineering Services

Mike Evans

Promotions

Ron Porter was promoted to Maintenance Supervisor for Utilities.

Retirements

Dorothy Dillman, 25 years
Harry Rushton, 38 years
Joe Stowinsky, 10 years •



Dorothy Dillman at her retirement party.

In Memoriam:

Jerry L. Litaker

Jerry L. Litaker (1952-2006) passed away on July 23. For the past four years, he worked for Building Services. He was a member of Central Indiana Grotto and the National Speleological Society. He served with the U.S. Marines during the Korean conflict. He is survived by his wife Edna Wells Litaker, two sons, one stepdaughter, and three grandchildren. He also leaves behind his mother, two sisters, and mother and father-in-law. •

In Memoriam:

Louis L. Bucklin Jr.

Louis L. Bucklin Jr. (1955-2006) passed away on August 9, 2006. For 22 years Lou worked for Campus Division as a gardener. He also worked for IU's Department of Geological Sciences. He was a member of the AFSCME Local 482. He is survived by his wife Linda Bruce Bucklin and their two children. He also leaves behind one brother, three sisters, his parents, and twelve nieces and nephews.

Memorial Contributions may be made to the Indiana University Department of Geological Sciences Undergraduate Scholarship Fund, The Nature Conservancy, or to a charity of one's choice in Care of Allen Funeral Home, 3000 E. Third Street. •

Correction

In the Winter 2006 issue of *Focus*, Jim Ferguson was incorrectly identified on page 3.

*Letters from our Customers**April 27, 2006*

Dear Shelby Anderson,

About a month ago, I was doing research in the IU library and was in a rush to finish up when the library closed. I managed to leave my blue canvas briefcase behind, and the library was closed by the time I remembered it. I didn't know if it had been stolen (my checkbook was in it, along with address books and other irreplaceable things) or if I had just forgotten it.

I was really surprised to get a call from the IU police early the next morning saying that it had been found and turned in, and when I went to pick it up, they told me you had found it. Perhaps it's all in a day's work for you, but it gave me a great feeling of relief after I had tossed and turned all night long. Thank you very much.

Sincerely,

David Stanley

Professor of English
Westminster College
Salt Lake City, Utah

May 7, 2006

Hank,

Thanks for everything you and your entire department did to give us the best possible Commencement. The grounds were perfect! The facilities were clean and ran very smoothly! I wish I knew the names of each and every person on your team that assisted. I tried to thank personally every person I encountered yesterday, however I know there are lots more behind the scene or in places I didn't get to yesterday that need to be thanked. Please express my appreciation to all!

Karl C. Zacker, Jr.

Director of Special Services
Director, International Alumni Chapters

June 19, 2006

Dear Chuck,

I just wanted to commend the outstanding work of Joe Edington, Pat Jenkins, Marty Shipley, and Jim Dwyer. Last week we hosted an international entrepreneurship conference at the Kelley School of Business attended by 350 professors from 29 countries. It was our chance to really showcase Indiana University and the Kelley School of Business to the world. WE DID!! And I wanted you to know that Joe, Pat, Marty, and Jim were instrumental in making everything look so good and continually assisting us in every possible way. They were terrific!! The Kelley School of Business (Godfrey Building) absolutely glistened from the extra effort this crew performed. I truly believe we have the very best faculty and staff here at the Kelley School. Joe, Pat, Marty, and Jim proved that belief as they joined our team with tremendous dedication and efforts that were "above and beyond." I am so proud of them and I hope you will be too! There is no doubt in my mind that we are fortunate to have such dedicated professionals as this group providing the real background for our "out front" efforts. I hope you understand just how critical I believe their efforts were and I will never be able to thank them enough!! Behind the scenes, they are the pride of IU!!

Best Regards,

Dr. Donald F. Kuratko (Dr. K)

The Jack M. Gill Chair of Entrepreneurship
Professor of Entrepreneurship and Executive Director
Johnson Center for Entrepreneurship & Innovation
The Kelley School of Business

Focus on Physical Plant Projects



Carl Scott of Campus Division inspecting the fall mums by the greenhouse.



Frank Ducharme, Mike Franklin, and Mike Self of Utilities Division repairing a firehydrant.



Scott Davis of the Carpentry Shop installing cabinet shelves as part of the technology upgrade to Franklin 106.

Emergency? Call 855-8728

Physical Plant Focus

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