



2017 B2P

University Conference

October 6 – 8, 2017
NOTRE DAME, INDIANA

CONFERENCE PROGRAM



BRIDGES
TO PROSPERITY



Conference at a Glance

Friday, October 6, 2017

4:00 pm – 5:30 pm	Registration Hours
6:00 pm – 7:30 pm	Welcome Remarks and Plenary Session 1
7:30 pm – 8:30 pm	Dinner
8:30 pm – 10:00 pm	Team Breakout Sessions and Photo Contest

Saturday, October 7, 2017

8:00 am – 9:30 am	Plenary Session 2
9:30 am – 10:00 am	Morning Break
10:00 am – 11:30 am	Parallel Sessions I
11:30 am – 12:30 pm	Lunch
12:30 pm – 2:30 pm	Plenary Session 3
2:30 pm – 3:00 pm	Afternoon Break
3:00 pm – 6:00 pm	Parallel Sessions II
6:30 pm – 10:00 pm	Dinner and Social Event

Sunday, October 8, 2017

8:30 am – 10:00 am	Parallel Sessions III
10:00 am – 10:30 am	Morning Break
10:30 am – 12:00 pm	Plenary Session 4
12:00 pm – 1:00 pm	Lunch and Closing

University Partners



Welcome Message

On behalf of the Bridges to Prosperity University Program, we would like to welcome you back to Notre Dame for the 2017 B2P University Conference. At the inaugural university conference last year, we were so inspired by the collaboration and innovation between university teams, and we know that this year will be no different. As we look back on the bridge projects completed in the 2016-2017 build year, we are excited to provide the opportunity for reflection of both our successes and our failures, knowing that we can all learn from each other to propel the University Program forward and continue fighting for our shared mission of providing safe access to isolated communities around the world.

This year's conference will focus on operations both on-campus and in the field to prepare teams for all stages of the project, exploring a variety of technical and project management issues as well as strategies for respectful community engagement. These sessions will allow builders of past bridges to exchange lessons learned and best practices, while hands-on construction workshops will allow students who have not yet built a bridge to experience first-hand how various elements of a B2P bridge are constructed. The conference will also provide numerous platforms to showcase each university team's unique strengths and promote discussion between all participants.

Finally, we wish to thank the many individuals from Notre Dame, Bridges to Prosperity staff, and the University Program Ambassador team who have made this conference possible. Again, thank you for joining us and we hope you enjoy the 2017 B2P University Conference!

Maria Krug, Spencer Ness, and Dr. Tracy Kijewski-Correa
2017 B2P University Conference Co-Chairs

Conference Organizers/Facilitators

Conference Chairs



Maria Krug
B2P University
Program Ambassador



Spencer Ness
B2P University
Program Ambassador

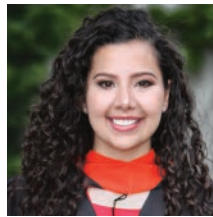


Tracy Kijewski-Correa
University of Notre Dame

Conference Planning Committee



Jay Arehart
B2P University
Program Ambassador



Cynthia Arellano
B2P University
Program Ambassador



Danielle Berman
B2P University
Program Ambassador



Tulsi Chudgar
B2P University
Program Ambassador



Zoey Craun
B2P University
Program Ambassador



Ethan Gingerich
B2P University Program
Coordinator



Zach Gloeckner
B2P University
Program Ambassador



Katie Langenfeld
B2P University
Program Ambassador



Fangxing Liu
B2P University
Program Ambassador



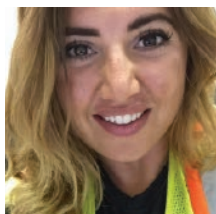
Andrew Petrisin
B2P University
Program Ambassador



Jacob Rausch
B2P University
Program Ambassador



Sam Rhoads
JZ Engineering



Christina Sawaya
B2P University
Program Ambassador



Savannah Washlesky
B2P University
Program Ambassador



Nate Weger
B2P University
Program Ambassador

Logistics

Venue: All conference activities, with the exception of Saturday's dinner, will be on the campus of the University of Notre Dame in Notre Dame, IN. The conference will offer a combination of plenary sessions and parallel sessions in traditional classroom settings as well as outdoor construction workshops. Plenary and classroom sessions will be held at the Hesburgh Center for International Studies (Hesburgh Center) located on Notre Dame Avenue. (Note: this is not to be confused with the Hesburgh Library, also located on Notre Dame's campus).

Registration: The registration table will be located in the Great Hall of Hesburgh Center for International Studies and will be open from 4:00 pm – 5:30 pm on Friday, September 30. The Great Hall is located in the southwest corner of the building, easily accessible from the entrance on Notre Dame Avenue.

Meals: All registrants will receive boxed lunches on Saturday and Sunday, which will be distributed in the Great Hall of Hesburgh Center, as well as dinner on Friday (buffet-style in the Great Hall). An adjacent dining area (Au Bon Pain) will be available for meal seating. Dinner on Saturday (cookout) is also provided. Refreshments will be available throughout the morning and afternoon sessions in the Great Hall of Hesburgh Center. Refreshments will also be provided on-site at the Construction Workshops.

Social event: A cookout will be held Saturday night at St. Patrick's County Park in the Hurwich Shelter, located just north of campus at 50651 Laurel Rd in South Bend. Parking is adjacent to the Hurwich Shelter. Driving directions and a map of the park are available at <http://www.sjcparks.org/stpats.html>.

Internet Access: Wireless internet access is available at no additional cost to all conference attendees. Attendees may log on to the wireless network "ND-guest" without a password.

Parking: Attendees are advised to use the Visitors Parking Lot (please see the campus map at the end of this program). See the Notre Dame Security Police parking website (<http://ndsp.nd.edu/parking-and-traffic/>) for additional parking information.

Transportation: Depending on scheduling and size of groups, transportation between the South Bend airport (SBN), Notre Dame's campus, and/or nearby hotels can be arranged. Please email the conference organizers at bridge@nd.edu to arrange.

OVERVIEW OF AWARDS

Bridge Builder Team of the Year

The Bridge Builder Team of the Year award is presented to a university chapter that showed excellent overall performance in all aspects of their project planning and execution, as well as a thorough understanding and embodiment of the mission of Bridges to Prosperity.

Bridge Builder of the Year

The Bridge Builder of the Year award recognizes a university student who showed exemplary leadership and served as the driving force behind a high quality bridge project. The Bridge Builder of the Year is someone who empowered their peers by example and inspired everyone on the job site.

Parsons University Safety Award

The Parsons University Safety Award goes to the team who best embodied B2P's culture of safety throughout the duration of their project. This award is accompanied by a \$1,000 cash prize from Parsons.



Schedule at a Glance

FRIDAY – OCTOBER 6

4:00 pm	Registration Opens for University Teams	Hesburgh Center Great Hall
Plenary Session 1		
6:00 - 7:30 pm	Welcome Remarks	Hesburgh Center Auditorium
7:30 - 8:30 pm	Dinner	Hesburgh Center Great Hall
8:30 - 10:00 pm	Team Breakout Sessions and Photo Contest	Hesburgh Center Great Hall

SATURDAY – OCTOBER 7

Plenary Session 2		
8:00 - 9:30 am	University Round Table Discussion	Hesburgh Center Auditorium
9:30 – 10:00 am	Break	
Parallel Sessions I	TRACK 1	TRACK 2
10:00 - 11:30 am	Understanding the Review Call Process Hesburgh Center 103	Facilitating Platinum Partnerships Hesburgh Center Auditorium
11:30 am – 12:30 pm	Lunch	Hesburgh Center Great Hall
Plenary Session 3		
12:30 – 2:30 pm	Cross-Cultural Communication	Hesburgh Center Auditorium
2:30 – 3:00 pm	Break	
Parallel Sessions II	TRACK 1	TRACK 2
3:00 - 6:00 pm	Standard Bridge Design Hesburgh Center 103	Construction Workshops Meet at Hesburgh Center Great Hall
6:30 – 10:00 pm	Dinner and Social Event	St. Patrick's County Park

SUNDAY – OCTOBER 8

Parallel Sessions III	TRACK 1	TRACK 2
8:30 - 10:00 am	Project Management On-Campus Hesburgh Center 103	Project Management In-Country Hesburgh Center Auditorium
10:00 – 10:30 am	Break	
Plenary Session 4		
10:30 am – 12:00 pm	University Round Table Closing Discussion	Hesburgh Center Auditorium
12:00 – 1:00 pm	Lunch and Closing	Hesburgh Center Great Hall

Friday, October 6

6:00 – 7:30 pm **Welcome Remarks and Plenary Session 1**

Hesburgh Center Auditorium

Facilitator: Ethan Gingerich

Bridges to Prosperity University Program Coordinator Ethan Gingerich will welcome conference attendees, followed by our first plenary session which will kick off this collaborative conference by highlighting each of our university teams. Each team will showcase their chapter and the things they do best through 1020 presentations, a fast paced informational slideshow. These presentations will showcase each team's personality and creativity to kickoff a conversation about different ways to successfully run a B2P team and project.

8:30 – 10:00 pm **Team Breakout Sessions and Photo Contest**

Hesburgh Center Great Hall

Team Breakout Sessions: University teams will be on hand to discuss the content of their presentations in more detail with fellow attendees, giving students the chance to learn more about other university teams and encouraging the exchange of ideas across teams.

Photo Contest: Conference attendees will have the opportunity to cast their vote for the best photo submitted under the following categories: Community Engagement, Collaborative Construction, and Finished Bridges.

Saturday, October 7

8:00 – 9:30 am **Plenary Session 2**

University Round Table Discussion

Hesburgh Center Auditorium

Facilitator: Ethan Gingerich

Led by Bridges to Prosperity University Program Coordinator Ethan Gingerich, this session is geared towards all university program participants. The session will adopt a discussion-based format, facilitated by University Program Ambassadors. Goals of the session include:

- Identify the unique value-added by each university chapter
- Identify collective goals of the University Program for 2017-2018 and beyond
- Identify areas where more support is needed from the Ambassador team
- Identify common operational weaknesses of university chapters
- Identify strategies to address growth areas from 2016-2017

10:00 – 11:30 am **Parallel Sessions I**

Track 1– Understanding the Review Call Process

Hesburgh Center Room 103

Facilitator: Danielle Berman

Note: Attendees should bring a wi-fi-enabled laptop

Project Managers should attend this session, which will provide guidance on successfully completing B2P's review process. Project Managers will be able to more effectively lead their team and:

- Plan the time and resources needed to make quality reports
- Delegate report preparations tasks to team members
- Understand the role of advisors and Bridge Corps members
- Use templating to efficiently produce reports

Track 2 – Facilitating Platinum Partnerships

Hesburgh Center Auditorium

Facilitators: Zoey Craun and Cynthia Arellano

This session will help students begin to identify and develop partnerships with in-country organizations. Students will learn strategies to:

- Make contacts in-country
- Evaluate potential partners
- Write a program structure MOU
- Communicate effectively with partner organizations
- Train a partner organization
- Plan for the future

12:30 – 2:30 pm **Plenary Session 3**

Cross-Cultural Communication

Hesburgh Center Auditorium

Facilitators: Katie Langenfeld and Savannah Washlesky

This session will help participants improve their global citizenship skills necessary for teams to have successful projects by discussing differences in communication styles and tactics for effectively engaging communities. After this session, students will be able to:

- Understand the importance of cultural knowledge and skills necessary to work effectively in local communities
- Identify resources needed to build global competence and knowledge of your team
- Build and maintain a cooperative partnership with the community
- Leverage and empower the community's existing talents

3:00 – 6:00 pm **Parallel Sessions II**

Track 1 – Standard Bridge Design

Hesburgh Center Room 103

Facilitator: Jay Arehart

Note: Attendees should bring a wi-fi-enabled laptop with AutoCAD installed.

Design Leads should attend this session focused on understanding B2P's standard design for suspended bridges.

After this session, attendees will be able to:

- Complete a standard design using B2P's resources
- Understand the B2P manual and AutoCAD seedfile.
- Create a professional drawing set

Track 2 – Construction Workshops

Meet at Hesburgh Center Great Hall

Note: Attendees should come prepared for these outdoor, hands-on workshops with long pants, sleeved shirts and close-toed shoes.

Travel team members should attend these workshops to experience first-hand the construction of various components of a B2P bridge. Sessions will include:

Topographic Survey

Facilitator: Christina Sawaya

- Practice setting up survey equipment
- Collect general/basic survey data
- Use survey data to run calculations

Quality Control Process

Facilitator: Jacob Rausch

- Learn how to effectively monitor and document quality of key construction phases
- Practice completing quality checks

Fall Protection

Facilitator: Zach Gloeckner

- Learn proper use of fall arrest equipment through hands on experience
- Review and discuss developing a fall rescue plan

Construction workshops will run concurrently as follows. Each workshop will be repeated at 3:00, 4:00, and 5:00 pm to allow attendees to participate in each construction experience.

3:00 – 4:00 pm Topographic Survey Fall Protection Quality Control Process	4:00 – 5:00 pm Topographic Survey Fall Protection Quality Control Process	5:00 – 6:00 pm Topographic Survey Fall Protection Quality Control Process
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Sunday, October 8

8:30 -10:00 am **Parallel Sessions III**

Track 1 – Project Management On-Campus

Hesburgh Center Room 103

Facilitators: Zoey Craun and Savannah Washlesky

Note: Attendees should bring a wi-fi-enabled laptop

Geared towards chapter leadership, this session will provide strategies on how to effectively manage a team throughout the academic year, including being able to:

- Effectively organize, communicate & delegate within the team
- Navigate the university binder
- Effectively use review calls and reports
- Meet deadlines
- Build internal knowledge and learn from past mistakes

Track 2 – Project Management In-Country

Hesburgh Center Auditorium

Facilitators: Danielle Berman and Cynthia Arellano

Focused on travel team members and Project Managers, this session will provide strategies to effectively manage construction, including being able to:

- Execute defined roles and responsibilities in the field
- Enact lines of authority and communication through team organization
- Work through bridge related, community related, and team related problems

10:30 am -12:00 pm **Plenary Session 4**

University Round Table Closing Discussion

Hesburgh Center Auditorium

Facilitator: Ethan Gingerich

This closing session will provide a chance for all university program students to get any remaining questions answered. Teams will have the chance to submit questions throughout the conference, and discussion will be facilitated by the University Program Coordinator and University Program Ambassadors. After this session, all students will be prepared to complete successful bridge projects in 2017-2018!

2017 Photo Contest

This year's photo contest features the top 5 submissions from students that best captured the spirit of the University Program in each category: Community Engagement, Collaborative Construction, and Finished Bridges. Conference attendees have the opportunity to vote to decide the winner of each category on Friday evening. Winners will be announced at the picnic on Saturday evening.

Community Engagement



Madison Sankovitz, University of Colorado Boulder



Benjamin Makarchuk, University of Toronto



Ryan Gloeckner, Pennsylvania State University

Collaborative Construction



Madison Sankovitz, University of Colorado Boulder



Madison Sankovitz, University of Colorado Boulder



Ryan Gloeckner, Pennsylvania State University

Finished Bridges



Madison Sankovitz, University of Colorado Boulder



Madison Sankovitz, University of Colorado Boulder



Benjamin Makarchuk, University of Toronto



Ryan Gloeckner, Pennsylvania State University



Juan Pablo Mendez-Ruiz, University of Illinois



Savannah Washlesky, University of Notre Dame



Juan Pablo Mendez-Ruiz,
University of Illinois



Benjamin Makarchuk, University of Toronto



Osbel Dorvil, Rutgers University

General Information

ATTENDEE PACKETS: Advance registrants can pick up their name badges and conference program at the registration table in the Great Hall of Hesburgh Center beginning at 4:00 pm on Friday, October 6.

ATTIRE & TECHNOLOGY REQUIREMENTS:

Friday evening: Dress code is casual. Wear gear to represent your chapter or university!

Saturday: Dress code is casual for all sessions. (In the interest of time, attendees are advised to plan on departing directly from campus to the cookout, i.e., bring any items or clothing desired for the cookout when coming to the conference in the morning.)

- If attending the construction workshops, attendees must wear long pants, sleeved shirts and closed-toe shoes. The cookout on Saturday evening will be outside, so please wear layered clothing.
- Those attending the Bridge Design session should bring a wi-fi-enabled laptop with AutoCAD installed.

Sunday: Dress code is casual for all sessions

IDENTIFICATION POLICY: Your Conference registration name badge should be worn at all times during the conference and assures your admission to the meals and breaks.

REGISTRATION: Full conference registration includes all meeting materials, refreshments, lunch on Saturday and Sunday, dinner on Friday and Saturday, and proceedings.

MEDICAL EMERGENCIES: The conference organizers hope that your visit to Notre Dame and the B2P University Program Conference will be free from illness, but in case you do need medical attention during your stay, please observe the following procedures:

- Contact Maria Krug at 828-467-8015
- For life-threatening emergencies, you should directly call 911

NO SMOKING POLICY: Smoking is prohibited in all conference venues. Please also note that smoking is prohibited within 25 feet of all buildings on the campus.

RELEASE/WAIVER: A liability waiver, photo release, and indemnification agreement will be signed during registration; all attendees must sign this agreement to participate in the conference activities.

WEATHER: The average daily high for the end of September/beginning of October in South Bend, IN is 66°F, with the daily low temperature averaging 45°F. Please take care to pack accordingly. In the event of inclement weather, outdoor events may be rescheduled or cancelled.

TIME ZONE: Notre Dame and South Bend, IN will be on Eastern Time (UTC -05:00) at the time of the conference. This is the same time zone as New York, NY. Please note when making travel arrangements that Chicago is on Central Time (UTC -06:00).

Hotel Information

Attendees are welcome to stay in any of the nearby hotels, though availability and rates are not guaranteed.

Morris Inn (< 0.1 mi)
University of Notre Dame
1399 N. Notre Dame Ave.
Notre Dame, IN
(574) 631-2000

Hilton Garden Inn (1 mi)
Saint Mary's College
53995 Indiana State Route 933
South Bend IN
(574) 232-7700

Fairfield Inn (< 1mi)
1220 East Angela Boulevard
South Bend, IN
(574) 234-5510

Staybridge Suites (< 5 mi)
52860 State Road 933
South Bend IN
(574) 968-7440

Ivy Court Inn & Suites (1 mi)
1404 Ivy Court
South Bend IN
(574) 277-6500

Microtel Inn & Suites (2 mi)
222 Dixie Way
South Bend IN
(574) 273-4300

Inn at Saint Mary's (1 mi)
Saint Mary's College
53993 Indiana State Route 933
South Bend IN
(574) 232-4000

Holiday Inn Express (2 mi)
120 N. Dixie Way
South Bend IN
(574) 968-8080



Local Attractions

On-Campus Dining Options

Einstein's Bagels

(Hammes Notre Dame Bookstore)

Monday – Saturday 8 am – 9 pm

Sunday 9 am – 7 pm

LaFortune Student Center

Huddle Mart

Friday 7:30 am – 2 am

Saturday 9:30 am – 2 am

Sunday 9:30 am – 4 am

Smashburger

Monday – Friday 10 am – 10 pm

Saturday and Sunday 11 am – 10 pm

Starbucks

Monday – Friday 7:30 am – 1:30 am

Saturday & Sunday 9:30 am – 1:30 am

Subway

Monday – Friday 8 am – 1 am

Saturday and Sunday 10 am – 1 am

Taco Bell/Pizza Hut Express

Sunday 2 pm – 1:30 am

Monday – Thursday 10:30 am – 1 am

Friday 10:30 am – 4 am

Saturday 11 am – 4 am

Legends

Thurs – Sat 11 am – 12 am

Sunday 11 am – 9 pm

Reckers

(located on the south side of South Dining Hall)

open 24 hours everyday

Rohr's at the Morris Inn

Weekdays 11 am – 1 am

Weekends 11 am – 2 am

Off-Campus Dining Options

Eddy Street Commons

Bar Bici

1233 North Eddy Street, Suite #103

(574) 251-1330

Monday-Sunday 11:00 am – 10:00 pm

Blaze Pizza

1234 North Eddy Street

(574) 387-4620

Sunday – Wednesday 10:30 am – 12:00 am

Thursday – Saturday 10:30 am – 4:00 am

Brothers Bar & Grill

1234 North Eddy Street, Suite #125

(574) 287-2767

Monday – Sunday 11:00 am – 3:00 am

Chipotle Mexican Grill

1250 North Eddy Street, Suite #101

(574) 251-0175

Monday – Sunday 11:00 am – 10:00 pm

Five Guys Burgers & Fries

1233 North Eddy Street #10

(574) 234-1800

Sunday – Thursday 11:00 am – 10:00 pm

Friday & Saturday 11:00 am – 4:00 am

Jimmy John's

1234 North Eddy Street #107

Sunday – Wednesday 11:00 am – 12:00 am

Thursday – Saturday 11:00 am – 3:00 am

Kilwin's Chocolates & Ice Cream

1044 East Angela Boulevard, Suite #101

(574) 234-1212

Sunday 10:00 am – 9:00 pm

Monday – Thursday 10:00 am – 9:00 pm

Friday – Sunday 10:00 am – 10:00 pm

McAlister's Deli

1130 Angela Boulevard, Suite #102

(574) 232-8560

Sunday 10:30 am – 9:30 pm

Monday – Thursday 10:30 am – 9:30 pm

Friday – Saturday 10:30 am – 10:00 pm

O'Rourke's Public House

1044 Angela Boulevard #103

(574) 251-0355

Sunday 11:00am – 12:00 am (Full menu until 11:30 pm)

Monday – Thursday 11:00 am – 1:00 am (Full menu until 12:30 am)

Friday and Saturday 11:00 am – 3:00 am (Full menu until 1:30 am)

The Mark Dine & Tap

1234 North Eddy Street, Suite # 111

(574) 204-2767

Dining Room Hours

Sunday 11:00 am – 8:00 pm

Monday – Thursday 11:00 am – 9:00 pm

Friday 11:00 am – 10:00 pm

Saturday 11:00 am – 10:00 pm

Bar Hours

Sunday Open Until 8:00 pm

Monday – Thursday Open Until 11:00 pm

Friday – Saturday Open Until 1:00 am

Yats

1251 North Eddy Street, Suite 103

(574) 855-1200

Sunday 11:00 am – 7:00 pm

Monday – Saturday 11:00 am - 9:00 pm

Campus Attractions



Eck Visitors Center (on campus)

Open M-F 8 am – 5 pm and Saturday and Sunday noon – 4 pm

Campus Tours available: M-F 10 am and 3 pm

Tours are limited to the first 25 people who register within 30 minutes of the tour in person at the Visitors Center. Advance reservations and telephone reservations are not accepted.

Hammes Notre Dame Bookstore

Mon-Sat 8 am – 10 pm

Sun 10 am – 9 pm

Notre Dame Stadium Tours

Monday – Friday 10 am, 12 pm, 3 pm, and 5 pm

Saturdays at 10 am, 11 am, 12 pm, 1 pm, 3 pm, 4 pm, and 5 pm

Tickets can be purchased online and over the phone beginning the Friday prior to the week of the tour. Tickets are not available to purchase online the day of the tour. They may only be purchased at the box office. Tickets are sold until 15 minutes prior to each tour on a first-come, first-served basis and may sell out. Admission fee applies. Visit www.und.com/tours for prices and more information.



Notre Dame Basilica of the Sacred Heart

Mass Schedule

Daily Masses M-F 11:30 am and 5:15 pm

Saturday Mass 5 pm

Sunday Mass 10 am and 11:45 am

Additional masses scheduled across campus throughout the weekend. Please see the schedules maintained by Campus Ministry for more information (<http://campusministry.nd.edu/basilica-of-the-sacred-heart/mass-schedule/>)



Uber is available in South Bend, in addition to numerous taxi companies:

ALTERNATIVE Transportation Options

Blue Ribbon Taxi (574) 233-4040

Eagle Cab (574) 287-6666

Empire Cab (574) 233-5000

Modern Cab (574) 400-9621

United Cab (574) 233-9599

LIST OF 2016 -2017 UNIVERSITY CHAPTERS

Colorado School of Mines

Duke University

Pennsylvania State University

Rutgers University

University College London

University of Alberta

University of Colorado Boulder

University of Illinois

University of Iowa

University of Notre Dame

University of Toronto



LIST OF 2017 UNIVERSITY BRIDGES

Bajo Maiz, Panama

– University of Illinois

Chillcani, Bolivia

– University of Toronto/University of Alberta (tag along)

Chosco, Bolivia

– University of Colorado Boulder

Edlangeni, Swaziland

– University of Colorado Boulder

Guadalupe, Nicaragua bridge repair

– University of Iowa

Kumusenyi, Rwanda

– Pennsylvania State University/
University College London (tag along)

Las Pencas, Nicaragua

– University of Notre Dame

Palmar Pampa B, Bolivia

– Rutgers University/Duke University
(tag along)

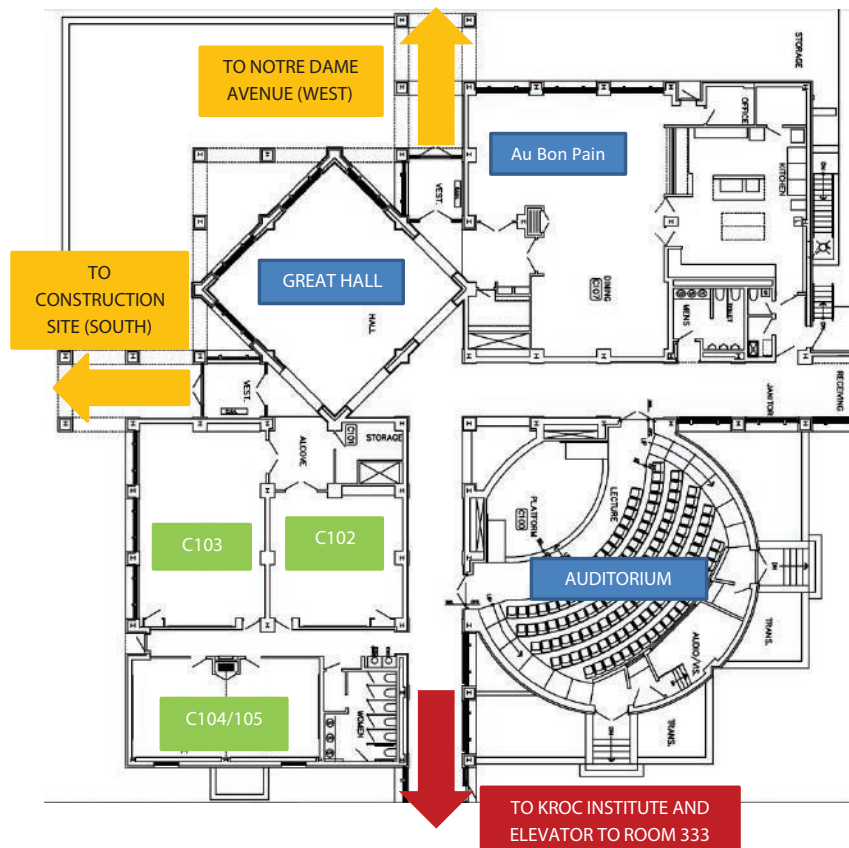
Samulali, Nicaragua bridge repair

– University of Iowa

Campus map



Hesburgh Center for International Studies





UNIVERSITY OF
NOTRE DAME