

# Senior Design Colloquium

## Civil and Environmental Engineering Department

December 11 and 13, 2012

All presentations will be in the Memorial Union Building

The Civil and Environmental Engineering Department is pleased to invite the University community to attend the fall 2012 senior design team presentations. This semester students in five sections have undertaken a wide range of interesting projects to fulfill the Department's design project requirement. Refreshments will be served.

### Tuesday, December 11 (Ballroom A1):

#### 8:00 am—Portage Emergency Crossing

Instructors: Bill Leder, Bill Baxandall

##### FABB—Structures Team

Zachary Fredin, Project Manager  
Brandon Abel, David Bays,  
Woodward Beardsley



##### Causeway Engineering—Geotechnical/Env. Team

Nick Broad, Project Manager  
Zachary James, Mark Jakubik, Sean Pickard

##### Copper Country Consulting—Transportation Team

Jonathan Zalud, Project Manager  
Andrew Karsten, Jordan Hoekwater, Zachary Kukkonen

#### 9:30 am—Fayette State Park

Instructor: Zeyad Ahmed

##### New History Consulting

Construction of the historical town site building #8, and the campground restroom

Alex Eppert, project manager  
Rebecca Sprys, Nathan Laukka

##### Michigan Water Solutions

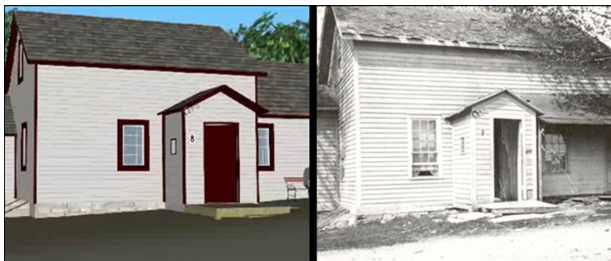
Fayette Historical State Park Wastewater Treatment

Griffin Roblyer, project manager  
Mark Pittenger, Emily Lang,  
Joshua Strapec, Ryan Proulx

##### Copper Country Consulting

Modern Restroom and Shower Facility

Dan Brugman, project manager  
Maxwell Lesatz, Nick Yancy



### Tuesday, December 11 (Ballroom A2):

#### 8:00 am—Restoring Natural Rainfall runoff for Michigan Tech Campus

Instructor: Brian Barkdoll

##### Brooks, Gerrits, Magnuson

Rachel Brooks, Josh Gerrits, Bryan Magnuson

##### Cremku Engineering

Craig Clarke, Kurt Daavettila, Emily Baker

##### NKJD Engineering

Jessica Daignault, Nathan Krause

##### Earth, Wind, and Water

Bradley St. Germain Colton Lentz, Mackenzie Young

##### Viva Sustainable Design

Samantha Dunne, Dustin Vreeland, Bruce Scuffham



### Thursday, December 13 (Ballroom A1):

#### 8:00 am—Willis Avenue Bridge—NYC

Instructor: Mike Drewyor

##### Sierra Engineering And Planning—Bridge Fabrication & Bridge Yard Team

Matt Purves, Project Manager  
Xiaofei Zhang, Greg Helminen,  
Steve Wilson



##### KD2M Engineering—Barge and Bridge Transport Team

Dylan Anderson, Project Manager <http://www.kiewit.com>  
Kyle Marynik, Mitch Farrar, Amanda Workman

##### New York Pier Builders—Pier Construction Team

Dustin Griesing, Project Manager  
Jeff Oswald, Josh Hauswirth, Kevin Nancarrow

#### 9:30 am—iDesign

Instructors: Dave Watkins

##### Pipe Bueno Engineers

Improving Accessibility to Potable Water in Yuu, Ecuador

Katie Valenzuela, project manager  
Noah Buikema, Brad Hildebrand,  
Tori Reuvers



##### Uno Más Engineers

Cerro Miel Aqueduct System

Manda Schierbeek, project manager  
Brittany Allen, Liz Jefferson,  
Merete Sorum

##### Hard Body Engineering

Engineering a Sustainable Water Distribution System in Western Panama

Rebecca Bender, project manager  
Kelsey Maijala, Angella Mickowski,  
Cherise Radionoff

##### Zapertero Engineering

Micro-Hydroelectric Power System in Majé Chimán, Panama

Katie Price, project manager  
Tyler Losinski, Christine Matlock,  
Andrea Walvatne

