Modern Roundabouts: Enhancing the Quality of Life

East-West Center, Jefferson Hall, Pacific Room
1777 East West Road
Honolulu, Hawaii 96848

Thursday
July 12, 2012

8:00 a.m.—12:00 p.m.

Registration Procedure
1. Please contact Maria Archilla via Phone at 956-8367 between 9:00 a.m.—2:00 p.m. or email at hltap@eng.hawaii.edu by Thursday, July 5, 2012.
2. Seating is limited.
3. There is no cost for registration.

Parking:
A limited number of East West Center parking passes are available at $6/day for Passenger Cars Only. If you would like a parking pass, please ask for one when registering. All vehicles (including government vehicles) are required to have an EWC parking pass in order to park in the EWC specified areas. Payment at the door by cash or check payable to the Research Corporation of the University of Hawaii (RCUH). Alternate parking for all vehicles is available at the University of Hawaii Lower Campus parking and is $5/day upon entry.

More information will be issued after confirmation of attendance.

Cancellations
Please contact us if you are unable to attend or if someone will be substituting for you.

Registration begins at 7:30 a.m.
Course Description:

The half-day roundabout presentation will cover the strengths and limitations of roundabouts and the design elements that produce a fluid and efficient design. We will look at the difference between performance and code base design and how to create a civil environment for motor vehicles, pedestrians, bicycles.

- The half-day presentation will give an overview of:
  - Strengths and limitations of roundabouts
  - Design elements of a fluid, efficient roundabout
  - How roundabouts create a civil environment for motor vehicles, pedestrians, and bicycles
  - Performance based design versus code based design
  - Roundabouts and large vehicles
  - Public involvement and public education
  - Safety, efficiency, flexibility, community enhancement

Topics:

- What is a roundabout?
- What is not a roundabout?
- Advantages & limitations of roundabouts
  - Safety, efficiency, flexibility, community enhancement
- Where are roundabouts appropriate?
  - Are roundabouts the answer? It depends on the question!
- Creating a civil environment for a mix of users
  - Light and heavy motor vehicles, pedestrians, bicycles (case studies)
- Roundabouts & user behavior
- Context sensitive solutions
- Types of roundabouts
  - Single-line, multilane, mini
- Bringing order to chaotic intersections
- Roundabouts & development
- Public involvement/public education
- Process of the typical roundabout projects
  - Feasibility → Concept → Public Involvement → Design → Construction
- Questions & answers

Instructors:

Rachel Price

A civil transportation engineer with Reid Middleton. She has 13 years of experience specializing in conceptual layout and final design of roundabout projects. She has been involved in all aspects of roundabout design, including feasibility studies, public involvement, peer reviews, professional training, and PS&E projects. Rachel's work over the past ten years has been entirely roundabouts. Rachel is secretary for the ITE National Roundabout Task Force.

Patrick McGrady

A traffic, transportation, and site civil designer with Reid Middleton. He has 21 years of project analysis, design, management, and construction administration experience. Patrick's responsibilities include design and technical support for traffic analysis and roundabout operational studies. Patrick is a charter member of the ITE National Roundabout Task Force.

Since 2004 Rachel and Patrick have provided roundabout analysis and design instruction for more than 900 students representing 165 public and private agencies in Washington, Oregon, Idaho, California, Texas, and British Columbia. Rachel and Patrick have made roundabout presentations for the 2008 and 2011 International Roundabout Conferences, Transportation Research Board Conference, Joint Oregon/Washington APWA and Intermountain Conferences, WSDOT Design Construction Conference, and many others.