TRB TRANSPORTATION RESEARCH BOARD
OF THE NATIONAL ACADEMIES

ACCESSIBLE ROUNDABOUT AND CHANNELIZED TURN LANE WORKSHOP

TRB is offering reduced price workshops on analyzing and designing roundabouts and channelized turn lanes to be usable by people who are blind or who have low vision.

Workshop content will be based on the findings and methodologies of **NCHRP Report 834 – Crossing Solutions at Roundabouts and Channelized Turn Lanes for Pedestrians with Vision Disabilities: A Guidebook.** Workshops will be presented by members of the NCHRP Report 834 team.

THE ACCESSIBILITY CHALLENGE

All newly constructed or renovated facilities must meet the accessibility requirements of the Americans with Disabilities Act (ADA), to be "accessible to and usable by persons with disabilities" (Title II, 35.151 New Construction and Alterations). Within public rights-of-way, facilities such as sidewalk and street crossings, including signal equipment, should be designed in accordance with the proposed *Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way (2011)* (proposed PROWAG), or subsequent finalized guidance or standards that may be published in the future.

The accessibility of modern roundabouts and intersections with channelized (right) turn lanes is an important civil rights challenge in the United States that has broad potential implications for engineering practice in this country. In general, these facilities are challenging for blind people because of curved geometry and vehicle paths, yield control, and atypical noise patterns. Proposed PROWAG requires pedestrian-activated signals at multilane roundabout crossings, along with options for equivalent facilitation. Municipalities and state DOTs need more specific guidance on other options that may constitute equivalent facilitation to pedestrians with vision disabilities at these intersection types.

This workshop will describe accessibility issues experienced by blind pedestrians and present design techniques and treatments to provide information needed for wayfinding and crossing by people who are blind. This workshop provides information about a performance-based assessment process for accessibility. It also presents equivalent facilitation treatments to establish access to these facilities for people who are blind, while reducing installation cost and impact to vehicular traffic compared to a pedestrian-activated signal.

TARGET AUDIENCE

This workshop is targeted to engineers, planners and designers who design roundabouts and signalized intersections with channelized turn lanes (CTLs). Participants should be familiar with the basic principles of roundabout and intersection design as may be taught in an introductory roundabout design class or at-grade intersection class. The workshop is open to public and private sector transportation professionals.

Duration: 1 Day

COST: $100 per person

LOCATIONS:

City	2018
Portland, OR	Wed., April 11
Columbus, OH	Wed., May 2
Orlando, FL	Tues., May 22
Atlanta, GA	Wed., May 23
Oakland, CA	Wed., June 6
Shoreview, MN	Wed., July 11
Boston, MA	Wed., August 8
Albany, NY	Wed., Sept. 19
Bonner Springs, KS	Wed., October 17
Austin, TX	Nov. 5th Week
Phoenix, AZ	Dec. 5th week

INFORMATION:
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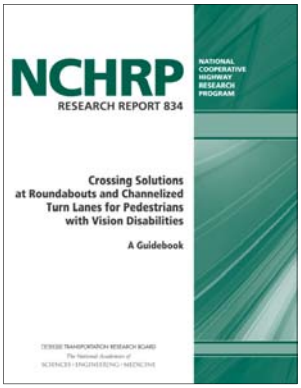
WORKSHOP AGENDA (8:00AM-5:00PM)

- Overview
- Accessibility Principles
- Roundabout and CTL Design Process
- Wayfinding Assessment Overview
- Wayfinding Assessment Group Exercise
- Crossing Assessment Overview
- Crossing Assessment Group Exercise



WORKSHOP OUTCOMES

Upon completion of the workshop, participants will be able to:

- Describe the challenges faced by people who are blind at roundabouts and CTLs.
- Evaluate designs of roundabouts and CTLs with features to support wayfinding
- Assess crosswalks at existing or proposed roundabouts and CTLs for accessibility
- Understand the treatments available to improve accessibility at crosswalks
- Understand the legal and civil rights issues associated with this topic

http://www.intersectionaccess.org

Accessible Design for the Blind

KITTELSON & ASSOCIATES