

Howard McCulloch / NE ROUNDABOUTS:

Howard has been the New York State Department of Transportation (NYSDOT) Roundabout Design Specialist since 1999. He has been involved with every roundabout project in New York State, where there are over 85 roundabouts currently operating. His participation in these projects ranges from preliminary comments regarding a proposed roundabout site's feasibility to final design plan development and review. Howard is responsible for roundabout overviews and training presentations throughout New York State. He has worked on over 80 New York State single lane roundabout projects and has worked on New York State multi-lane roundabout projects in Buffalo, Kingston, North Castle, Johnson City, Latham, Rome, and Malta, where a five multi-lane roundabout corridor, including an interstate interchange, was completed in 10/06.

Howard is a member of the NYSDOT Roundabout Committee where he co-wrote NYSDOT's Interim Guide to Roundabouts. He is presently leading the development of a comprehensive manual for roundabout design to be included in NYSDOT's Highway Design Manual.

Howard was a co-presenter at the 2003 Northeast Association of State Transportation Officials (NASTO) Conference. He also presented at the 2001, 2003, and 2004 National Engineer's Week Conference and at the 2001 and 2002 New York State Association of Transportation Engineers Conferences. In 2004, Howard presented "Roundabout Lessons Learned the Hard Way" at the annual TRB Conference. He presented during 3 sessions at the 2005 TRB National Roundabout Conference and 2 sessions at both of the 2008 and 2011 TRB National Roundabout Conferences.

Howard received a NYSDOT "Excellence In Engineering" award in 2001 for his contribution towards NYSDOT's roundabout initiative. In October 2002, he was a co-recipient of the ITE New York Upstate Section's Young Transportation Professional of the Year Award for safety improvements to an existing traffic circle using roundabout design principles. The re-signing and re-striping of Latham Circle won a 2003 FHWA / National Roadway Safety Award.

FHWA has coordinated Howard's assistance to other states with roundabout design practices and specific projects. Howard presented overviews of roundabouts to ConnDOT, MassDOT, as well as PennDOT in Williamsport, PA where five roundabouts were being considered – 3 were finally built. Howard also assisted FHWA with roundabout reviews for Virginia DOT. Howard is currently one of the roundabout specialists that FHWA uses as a resource as part of their nationwide Roundabout Peer Exchange.

Howard is recognized nationally as a leader in the area of roundabout pavement marking and signing design. In January 2003, he presented to a subcommittee of the Markings Technical Committee (MTC) of the National Committee on Uniform Traffic Control Devices (NCUTCD). Howard assisted the subcommittee in developing new drawings showing pavement markings for multi-lane roundabouts, which are now part of the 2009 MUTCD.

Howard provided a peer review of NCHRP 672 and is the panel chair for NCHRP 3-78B. This study is focusing on how to better accommodate the visually impaired at roundabouts and channelized turn lanes.

Howard McCulloch formed NE ROUNDABOUTS in the spring of 2003. NE ROUNDABOUTS has presented roundabout training workshops in over 30 states and 2 day roundabout design workshops for over 20 state transportation departments. NE ROUNDABOUTS has assisted in the design of two double lane roundabouts in South Jordan, Utah and a single lane roundabout in St. George, Utah. NE ROUNDABOUTS has contributed to the design of four roundabouts in Fort Collins, Colorado; three of which are multi-lane roundabouts, two multi-lane roundabouts in Loveland, Colorado, and a multi-lane roundabout in Ontario, Canada. NE ROUNDABOUTS is currently providing design assistance and peer review services for Rhode Island DOT on multiple projects, where roundabouts are becoming a preferred intersection control device. NE ROUNDABOUTS provided design assistance for the first roundabout to open in Summit County, Ohio at the intersection of Ridgewood and Hametown Roads.

NE ROUNDABOUTS provided design and educational/promotion assistance for a roundabout that was constructed during 2008 in New London, NH. In March of 2009 NE ROUNDABOUTS presented two ½ workshops for WYDOT in Cheyenne, WY. The first was a general overview and the second was a hands-on design workshop. NE ROUNDABOUTS provides on-call roundabout design and peer review services for the Louisiana Department of Transportation & Development. As part of this contract NE ROUNDABOUTS has provided preliminary designs for over 60 roundabouts locations and peer reviewed over 10 sets of construction plans. A few of these projects have already been built and a few are currently in construction. NE ROUNDABOUTS is one of only a handful of firms that have been approved to provide roundabout peer review services for the Georgia DOT.

NE Roundabouts is the only currently available official SIDRA training representative for North America.