

RODEL V-2 Demonstration

R. Barry Crown, Rodel Software Ltd. UK, and Mark T. Johnson, MTJ Engineering, will present a half-day RODEL Version 2 Demonstration/Workshop in Kansas City, Missouri, May 18, 2008.

The newly updated roundabout analysis software, "RODEL V-2" will be demonstrated. Version 2 has many new updates and improvements including:

- Lane-by-lane analysis
- Bypass lane modeling,
- Safety statistics output
- Peak Hour Factors (P.H.F.)
- English units
- Calibration capabilities
- And more...

The demonstration will cover all the latest updates, and important near future capabilities of Rodel Version 2, including a windows based format and graphical simulations based on Rodel's operational output.

This demonstration will also provide insights into design issues emphasizing the "compositional" aspects of modern roundabout design and how Rodel supports this 'Principle' based design approach.

The essence of "composition" is how the 'parts' relate to form the 'whole' that ultimately determines safety and operation. This important aspect of roundabout design is largely absent in the design of other types of intersections. It is not covered in Roundabout Design Guides that emphasize the detailed design rather than the overall composition.

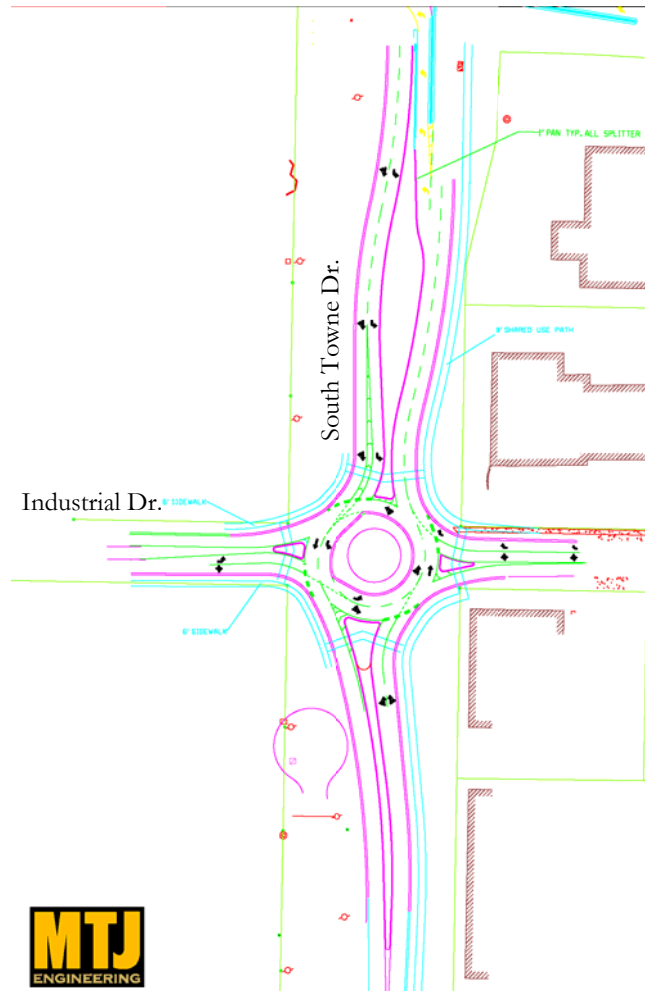
The demonstration will show how RODEL V-2 allows designs to apply design principles rather than rules and illustrate that the application of principles provides design solutions where rules fail or obstruct this process.

This demonstration will be held Sunday morning from 9-12 in advance of the TRB Conference at The Westin Crown Center in the capital city of the State of Missouri – Kansas City.

MTJ Engineering's Featured Projects

MTJ Engineering's innovative roundabout design provided an excellent access solution for this Wal-Mart Super Center:

The pictured roundabout was the key component for acceptance and redevelopment of this (high volume/traffic) challenging commercial site. The roundabout provided access and improved maneuverability and safety for the existing industrial park and retail shopping traffic along this corridor.



Monona, WI

Rodel V-2 Demonstration

Registration Form

(Please type or clearly print your information)

Name _____

Title _____

Company/Agency _____

Address _____

City _____

State _____ Zip _____

Phone (_____) _____

Email Address _____

Total dollar amount enclosed (cost: \$79 (\$39 for Public Sector))

\$ _____

Make checks payable to:

MTJ Engineering LLC

Credit cards and purchase orders are not accepted.

Mail registration forms with checks by March 31, 2008 to:

Mark T. Johnson, P.E.
MTJ Engineering, LLC
313 Price Place, Suite #205
Madison, WI 53705

Space is limited and will be assigned by **POST MARK DATE**

Please include registration form with check.

The Presenters

R. Barry Crown

is an internationally recognized roundabout expert from the United Kingdom who has designed, evaluated, redesigned, modified and audited over 1,000 modern roundabouts over the past 35 years. Prior to that he analyzed and designed traffic control signals. He has designed high capacity roundabouts in the U.S. with volumes ranging from 3,000 to 7,500 vph on roadways carrying up to 80,000 ADT in the states of Colorado, Florida, Kansas, Michigan, New Hampshire, New York and Wisconsin. Mr. Crown's in-depth knowledge and experience with modern roundabouts is unparalleled. He was retained by Clearwater, FL to remedy the daily crash dilemma plaguing their gateway-roundabout and his minimal reconstruction recommendations dramatically reduced these crashes. Mr. Crown served as an advisor to the first FHWA Roundabout Guide and is currently an advisor on the Kittelson team revising the FHWA Guide.

Mark T. Johnson

has specialized in modern roundabout design and intersection alternative analysis for the past 10 years. He has been involved with over 200 roundabout projects in 23 states includes Arterials, State Highway Interchanges, and high speed approaches in a wide variety of contexts. Mark joined the Wisconsin DOT in 2001 and provided his roundabout expertise in technical design, public process, consensus building and alternative analyses on all Wisconsin projects. He was a catalytic partner in formulating the Wisconsin DOT policy to have roundabouts be a viable alternative for intersection control at all major intersections and that they hold primary consideration. In 2004, Mark formed MTJ Engineering LLC to assist communities in achieving intersection safety and efficiency, as well as to provide land development traffic solutions through excellence in roundabout design and construction. Recent MTJ Highlights: Mr. Johnson is also on the Consultant Team led by Kittelson & Associates Inc revising the FHWA Guide and he is on the consultant team revising and updating the WIDOT Roundabout Guidance

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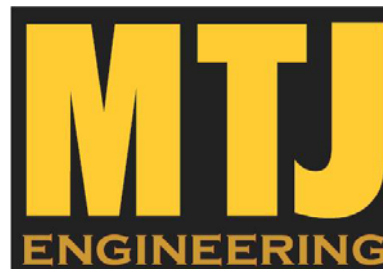
MTJ Engineering Projects



Springfield, OR: State of Oregon's First Urban Multi-Lane Roundabout (5,700 VPH Design Year Flow)



Mt. Horeb, WI: First Roundabout on WI State Highway Urban Compact Multi-Lane (3,000 VPH Design Year Flow)



RODEL V-2 DEMO



US 23 Lee Road, Michigan: Most Complex System of Roundabouts in US (7,800 VPH Design Year Flows)

MTJ Engineering was the roundabout design engineer responsible for the capacity analysis and horizontal design of what is the most complex system of roundabouts in the US at this time, Barry Crown provided QA/QC. The US-23/Lee Road roundabout project is the winner of the 2008 Eminent Conceptor Award for engineering excellence from the American Council of Engineering Companies (ACEC) Michigan. This successful public/private partnership is the highest category award of the Michigan competition.

Sunday May 18, 2008

9 am - 12 pm

The Westin Crown Center
Kansas City, Missouri

Presenters:

R. Barry Crown, United Kingdom
Mark T. Johnson, Wisconsin, USA

Cost: \$79 (\$39 for Public Sector)