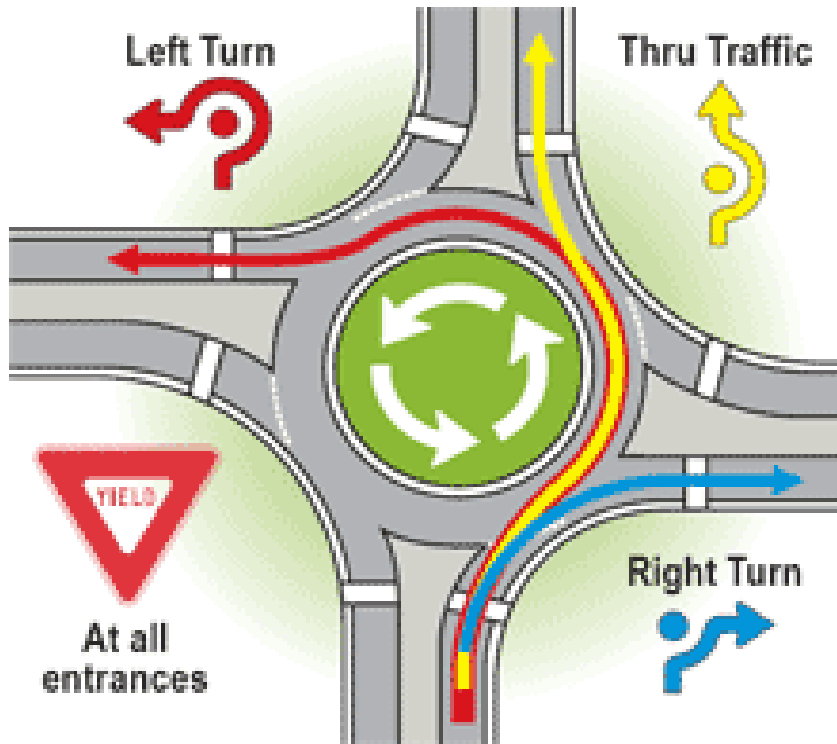


DRIVING THROUGH A ROUNDABOUT



Kalamazoo County Road Commission

Kent L. McCauley, Board Chairman
Kenneth R. Oscarson, Board Vice Chairman
Dennis J. Berkebile, Board Member
Jeffrie M. Maddox, Board Member
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Joanna I. Johnson, Managing Director
Tom J. Hohm, PE, Chief Engineer
John Byrnes, Traffic Services Director

City of Portage

W. Christopher Barnes, PE, Director of Transportation and Utilities

Orchard, Hiltz & McCliment, Inc

(Design and construction engineering consultants)

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For additional information, contact KCRC or the City of Portage

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Welcome to the Public Meeting for the Texas Drive - Milham Avenue - 12th Street Intersection Improvement Project February 17, 2011



Goals of Today's Public Meeting:

- ▶ Present the project background
- ▶ Describe current deficiencies
- ▶ Present the proposed roundabout
- ▶ Highlight proposed project benefits
- ▶ Answer questions

PROJECT PURPOSE AND NEED SUMMARY

The intersection is a four-way stop, which has been operating with backups during the peak periods of travel. This intersection has been identified for improvements based upon traffic delay that has been increasing over the last several years. Due to this congestion, the Kalamazoo County Road Commission (KCRC) and the City of Portage developed a set of alternatives to address this situation.

The purpose of the project is to reduce traffic congestion, while providing motorists and pedestrians an upgraded roadway surface and a safe travel environment. Alternatives studies are:

- ▶ New traffic signal installation
- ▶ Roundabout installation
- ▶ Four-way stop (current configuration)

Based upon our analysis of the alternatives, **the Roundabout concept is the best approach.** The KCRC has applied for Federal Congestion Mitigation and Air Quality (CMAQ) funds to improve this intersection. The funds are available for a project to install a roundabout at this intersection.

ROUNDABOUTS

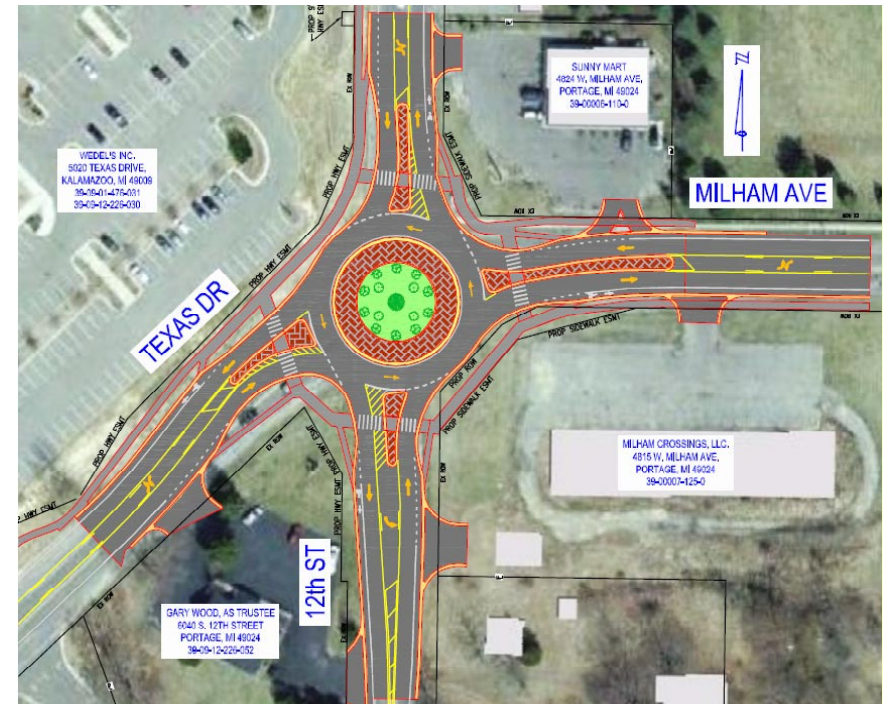
A modern roundabout is a transportation management tool that moves traffic through an intersection without the aid of traffic signals. It involves one-way traffic moving around a circular central island where entering traffic must yield to the traffic already in the roundabout.

- ▶ Modern roundabouts follow the “yield-at-entry” rule
- ▶ Modern roundabouts involve low speeds for entering and circulating traffic.
- ▶ Roundabouts are designed to accommodate all sizes of vehicles.

According to the Insurance Institute for Highway Safety, installing a roundabout typically results in:

- ▶ A 39% reduction in all crashes
- ▶ A 76% reduction in injury-accidents
- ▶ A 90% reduction in fatalities
- ▶ A 40% reduction in pedestrian injuries

PROPOSED ROUNDABOUT INTERSECTION



PROJECT SCHEDULE

| | |
|--|---------------|
| Study | 2009 |
| KATS project public outreach feedback | 2010 |
| Design | 2010 |
| Public meeting | Feb 2011 |
| Utility relocation work | Spring 2011 |
| Construction start | Mid-June 2011 |
| West leg closed (Texas Dr) | Mid-June 2011 |
| North leg closed (12 th St) | July 2011 |
| South leg closed (12 th St) | August 2011 |
| Open to traffic | Sept 1, 2011 |
| Completion/clean up | Sep 30, 2011 |