Maryland Roundabouts Success Stories

The Lisbon Roundabout

Lisbon, Howard County

MD 144 (Frederick Road) at MD 94 (Woodbine Road)

Opened spring 1993

Average daily traffic on **MD 144**: 6,000 vehicles; **MD 94**: 9,000 vehicles

Crash Data (before roundabout)

Year	1989	1990	1991	1992	Totals
Fatal	0	0	0	0	0
Injury (non-fatal)	3	5	2	5	15
Property Damage	9	3	2	4	18
Totals	12	8	4	9	33

Crash Data (after roundabout)

Year	1994	1995	1996	1997	Totals
Fatal	0	0	0	0	0
Injury (non-fatal)	1	0	1	0	2
Property Damage	3	1	1	2	7
Totals	4	1	2	2	9

The roundabout has resulted in a 77 percent reduction in crashes, as well as the severity of crashes.

(**MDOT SHA photo:** *Arial view of the temporary Lisbon Roundabout.*)

(**MDOT SHA photo**: *The permanent Lisbon Roundabout (MD 144 at MD 94.*)

The Towson Roundabout

Towson, Baltimore County

MD 146 (Dulaney Valley Road), MD 45 (York Road), Allegany Avenue and Joppa Road

Opened spring 1998

Average daily traffic on **MD 45**: 16,100 vehicles

Average daily traffic on **MD 146**: 38,600 vehicles

Crash Data (before roundabout)

Year	1995	1996	1997	Totals
Fatal	0	0	0	0
Injury (non-fatal)	3	6	4	13
Property Damage	4	5	3	12
Totals	7	11	7	25

Crash Data (after roundabout)

Year	1999	2000	2001	Totals
Fatal	0	0	0	0
Injury (non-fatal)	0	5	2	7
Property Damage	10	11	20	41
Totals	10	16	22	48

The Towson roundabout was installed to address major congestion and reduce the severity of crashes. The data shows a nearly 50 percent reduction in injury crashes.

(**MDOT SHA photo**: *The Towson Roundabout (MD 146, MD 45, Allegany Avenue and Joppa Road.*)

The Hyde Park Road Roundabout

Essex, Baltimore County

MD 702 (Southeast Boulevard) at Hyde Park Road

Temporary roundabout installed fall 2005

Permanent roundabout opened summer 2006

Average daily traffic on MD 702: 10,800 vehicles

Crash Data (before roundabout)

Year	2001	2002	2003	2004	Totals
Fatal	0	0	0	1	1
Injury (non-fatal)	2	2	4	5	13
Property Damage	1	4	3	1	9
Totals	3	6	7	7	23

Crash Data (after roundabout)

Year	2006	2007	2008	2009	Totals
Fatal	0	0	0	0	0
Injury (non-fatal)	0	1	2	1	4
Property Damage	5	4	4	3	16
Totals	5	5	6	4	20

100 percent reduction in fatal crashes, significant reduction in crash severity and improved pedestrian safety. MD 702 receives high-speed traffic from I-695 and was originally intended to be a Chesapeake Bay crossing to the Eastern Shore.

(**MDOT SHA photo**: *Temporary roundabout MD 702/Hype Park Road circle – fall 2005.*)

(**MDOT SHA photo**: *Permanent MD 702 at Hyde Park Road -summer 2006.*)

The Point of- Rocks Roundabout

Point of Rocks, Frederick County

US 15 (Catoctin Mountain Highway) at MD 464 (Point of Rocks Road)

Temporary roundabout installed fall 2008

Permanent roundabout opened summer 2009

Average daily traffic on **US 15**: 17,700 vehicles

Average daily traffic on **MD 464**: 3,600 vehicles

Crash Data (before roundabout)

Year	2004	2005	2006	2007	Totals
Fatal	0	0	1	0	1
Injury (non-fatal)	5	3	1	5	14
Property Damage	2	0	3	2	7
Totals	7	3	5	7	22

Crash Data (after roundabout)

Year	2009	2010	2011	2012	Totals
Fatal	0	0	0	0	0
Injury (non-fatal)	0	0	0	3	3
Property Damage	5	4	3	2	14
Totals	5	4	3	5	17

US 15 is a major north/south route that traverses Maryland between Virginia and Pennsylvania and carries nearly 18,000 vehicles each day, including a significant number of trucks. This intersection was experiencing a high number of crashes, including fatal crashes. Since the Point-of -Rocks Roundabout opened, there have been no fatal crashes and the injury crash rate was cut significantly.

(**MDOT SHA photo**: *US 15/MD 464 Roundabout, Point-of-Rocks, MD.*)

The MD 24/MD 165 Roundabout

Pylesville, Harford County

MD 24 (Rocks Road) at MD 165 (Pylesville Road)

Opened summer 2000

Average daily traffic: (MD 24): 1,800 vehicles (MD 165) 6,400 vehicles

Crash Data (before roundabout)

Year	1996	1997	1998	1999	Totals
Fatal	0	1	0	0	1
Injury (non-fatal)	5	2	6	5	18
Property Damage	2	4	5	4	15
Totals	7	7	11	9	34

Crash Data (after roundabout)

Year	2001	2002	2003	2004	Totals
Fatal	0	0	0	0	0
Injury (non-fatal)	2	0	0	0	0
Property Damage	0	0	1	1	2
Totals	2	0	1	1	4

MD 165 is a major highway that motorists use between Pennsylvania and Maryland. The posted speed limit is 50 mph. It is a rural area but growing and home to three nearby schools. Prior to construction of the roundabout, the intersection sustained a significant amount of crashes. Since the roundabout opened to drivers, there has been and 85 percent reduction in crashes, as well as zero fatal crashes.

(**MDOT SHA photo**: *MD 24 (Rocks Road) at MD 165 (Pylesville Road)*.

(**MDOT SHA photo**: *MD 24 (Rocks Road) at MD 165 (Pylesville Road)*.

The Mt. Aetna Road Roundabout

Hagerstown, Washington County

MD 66 (Mapleville Road) at Mt. Aetna Road

Opened fall 2002

Average daily traffic on **MD 66**: 9,700 vehicles

Crash Data (before roundabout)

Year	1996	1997	1998	1999	Totals
Fatal	0	0	0	1	1
Injury (non-fatal)	0	2	5	5	12
Property Damage	0	0	1	1	2
Totals	0	2	6	7	15

Crash Data (after roundabout)

Year	2003	2004	2005	2006	Totals
Fatal	0	0	0	0	0
Injury (non-fatal)	1	0	0	0	1
Property Damage	0	2	1	2	5
Totals	1	2	1	2	6

MD 66 is a major secondary highway north of I-70. Since the roundabout opened to drivers, there has been nearly a 60 percent reduction in crashes, as well as zero fatal crashes.

(**Google photo**: *MD 66 (Mapleville Road) at Mt. Aetna Road.*)

The Cambridge Roundabout

Cambridge, Dorchester County

MD 16 (Church Creek Road) at Woods Road

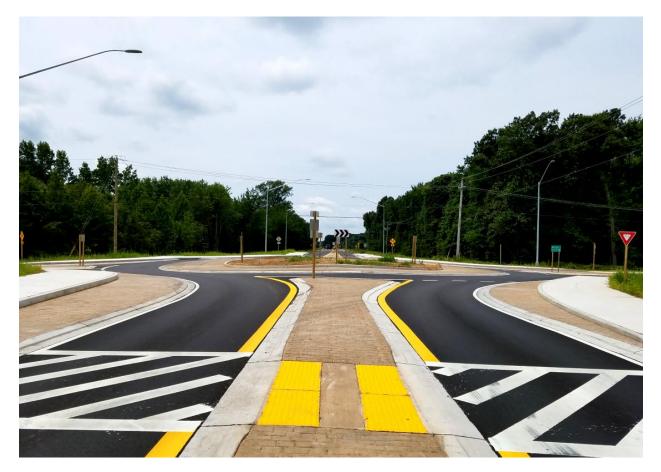**Opened summer 2017**

Average daily traffic on **MD 16**: 4,900 vehicles

Crash Data (before roundabout)

Year	2013	2014	2015	2016	Totals
Fatal	2	0	0	0	2
Injury (non-fatal)	1	0	1	0	2
Property Damage	2	0	1	0	3
Totals	5	0	3	0	7

Crash Data (after roundabout)

Year	2017	2018	00	00	Totals
Fatal	0	0	0	0	0
Injury (non-fatal)	0	0	0	0	0
Property Damage	0	0	0	0	0
Totals	0	0	0	0	0

MD 16 is a major secondary highway that runs 51 miles between the Delaware line to Taylors Island. Since the roundabout opened to drivers, there has been and 100 percent reduction in crashes, as well as zero fatal crashes.

(**MDOT SHA photo**: *MD 16 (Church Creek Road) at Woods Road.*)

To view animation on how roundabouts operate and see a listing of all MDOT SHA roundabouts, [click here](#).