

Butler County Single-Lane Modern Roundabouts Before/After Statistics

(Data compiled thru 2024)

Lakota Drive West & Eagleridge Road Opened - September 2008								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Fatal
Before Data	9,700	01/2004-06/2008	4.5	19	4.2	4	0.9	0
After Data	9,000	2009-2024	16	37	2.3	6	0.4	0
% Reduction					45%		58%	N/A
Comments: 17 crashes involved fixed objects.								

Hamilton Mason Road & Liberty Fairfield Road Opened - November 2008								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Fatal
Before Data	11,200	01/2003-08/2008	5.67	55	9.7	13	2.3	1
After Data	11,200	2009-2024	16	34	2.1	4	0.3	0
% Reduction					78%		89%	100%
Comments: Converted signal control & realignment. About half of crashes are single-vehicle Failure to Control								

Jacksonburg Road & Morgenthaler Road Opened - December 2010								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Fatal
Before Data	2,700	01/2006-06/2010	4.5	13	2.9	5	1.1	1
After Data	2,300	2011-2024	14	2	0.1	1	0.1	0
% Reduction					95%		94%	100%
Comments: After crashes involved bicycle (injury) and snow covered road.								

Trenton Road & Busenbark Road Opened - August 2011								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Fatal
Before Data	8,200	01/2006-05/2011	5.4167	7	1.3	2	0.4	0
After Data		09/2011-2024	13.33	15	1.1	4	0.3	0
% Reduction					13%		19%	#DIV/0!
Comments: Majority of after-crashes involved curve prior to RAB. Chevrons installed May 2016.								

Kyles Station Road & LeSourdsville West Chester Road Opened - August 2012								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Fatal
Before Data	7,000	01/2008-05/2012	4.4167	8	1.8	2	0.5	0
After Data	8,400	09/2012-2024	12.33	8	0.6	2	0.2	0
% Reduction					64%		64%	#DIV/0!
Comments: 5 of 7 fixed object								

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Yankee Road & Kyles Station Road Opened - August 2013								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Fatal
Before Data	7,100	01/2009-05/2013	4.4167	8	1.8	3	0.7	0
After Data	7,400	09/2013-2024	11.33	19	1.7	1	0.1	0
% Reduction					7%		87%	#DIV/0!
Comments: AWSC installed October 2010 prior to RAB.								

Millikin Road & Mauds Hughes Road Opened - August 2013								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Fatal
Before Data	5,100	01/2009-06/2013	4.5	6	1.3	3	0.7	0
After Data	7,800	09/2013-2024	11.33	12	1.1	3	0.3	0
% Reduction					21%		60%	#DIV/0!
Comments: AWSC installed October 2010 prior to RAB.								

SR 748 & Layhigh Road (ODOT Maintains) Opened - September 2015								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Serious Injury/Fatal
Before Data	2,750	01/2011-06/2015	4.5	11	2.4	8	1.8	1
After Data	2,750	10/2015-2024	9.25	7	0.8	0	0.0	0
% Reduction					69%		100%	100%
Comments: Had been ranked #1 on BCEO's crash rate list. ODOT-maintained.								

Eaton Road & Beissinger Road Opened -October 2015								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Serious Injury/Fatal
Before Data	5,650	01/2011-06/2015	4.5	14	3.1	8	1.8	1
After Data	6,400	11/2015-2024	9.167	10	1.1	1	0.1	0
% Reduction					65%		94%	100%
Comments: 6 of 10 after involved fixed object.								

Cin-Day Road & Kyles Station Road Opened -September 2016								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Serious Injury/Fatal
Before Data	14,020	01/2011-05/2016	5.4167	52	9.6	13	2.4	1
After Data	13,850	10/2016-2024	8.25	30	3.6	8	1.0	0
% Reduction					62%		60%	100%
Comments: Converted traffic signal without left turn lanes. (AFTER: 2 OVI, 1 Fell Asleep)								

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Princeton Road & Yankee Road Opened -Late 2017								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Serious Injury/Fatal
Before Data	13,100	2013-06/2017	4.5	19	4.2	4	0.9	0
After Data	15,700	2018-2024	7	23	3.3	1	0.1	1
% Reduction					22%		84%	#DIV/0!
Comments: Converted AWSC								

Beckett Road & Smith Road Opened -May 2018								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Serious Injury/Fatal
Before Data	16,800	2013-2017	5	12	2.4	6	1.2	1
After Data	18,670	05/2018-2024	6.583	16	2.4	1	0.2	0
% Reduction					-1%		87%	100%
Comments: Converted signal control. After: 5 fixed object, 4 rear end, 3 angle, 2 sideswipe-passing, 2 backing								

Yankee Road & Millikin Road Opened -August 2018								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Serious Injury/Fatal
Before Data	9,450	2013-05/2018	5.4167	13	2.4	5	0.9	1
After Data	9,520	9/2018-2024	6.33	4	0.6	1	0.2	0
% Reduction					74%		83%	100%
Comments: Converted AWSC								

Hamilton Mason Road & LeSourdsville West Chester Road Opened -August 2018								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Serious Injury/Fatal
Before Data	13,300	2013-05/2018	5.4167	28	5.2	7	1.3	2
After Data	13,430	09/2018-2024	6.33	24	3.8	3	0.5	0
% Reduction					27%		63%	100%
Comments: Converted AWSC								

Hamilton Mason Road & Gilmore Road Opened - November 2019								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Serious Injury/Fatal
Before Data		2014-2018	5	21	4.2	10	2.0	1
After Data		11/2019-2024	5.167	13	2.5	2	0.4	0
% Reduction					40%		81%	100%
Comments: Aligned two offset intersections.								

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Lesourdsville West Chester Rd & Beckett Ridge Blvd Opened - August 2020								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Serious Injury/Fatal
Before Data		2015-2019	5	25	5.0	11	2.2	1
After Data		9/2020-2024	4.25	11	2.6	1	0.2	0
% Reduction					48%		89%	100%
Comments:								

SR 73 & Jacksonburg Road (ODOT Maintains) Opened - April 2021								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Serious Injury/Fatal
Before Data		2015-08/2020	5.67	48	8.5	23	4.1	6
After Data		4/2021-2024	3.75	13	3.5	2	0.5	0
% Reduction					59%		87%	100%
Comments:								

Butler Warren Rd & West Chester Rd/Socialville Foster Rd Opened - August 2021								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Serious Injury/Fatal
Before Data		2016-05/2021	5.417	48	8.9	9	1.7	0
After Data		8/2021-2024	3.417	15	4.4	0	0.0	0
% Reduction					50%		100%	#DIV/0!
Comments: Aligned two offset intersections								

Millikin Rd & Lesourdsville West Chester Rd/Pinckney Trail Opened - August 2021								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Serious Injury/Fatal
Before Data		2016-05/2021	5.417	14	2.6	6	1.1	2
After Data		8/2021-2024	3.417	4	1.2	0	0.0	0
% Reduction					55%		100%	100%
Comments:								

Butler Warren Rd & Barret Rd/Western Row Rd Opened - September 2021								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Serious Injury/Fatal
Before Data		2016-03/2021	5.25	114	21.7	28	5.3	0
After Data		9/2021-2024	3.33	14	4.2	2	0.6	0
% Reduction					81%		89%	#DIV/0!
Comments: Converted AWSC								

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US 127 and SR 73 (ODOT Maintains)								
Opened - Late 2021								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Serious Injury/Fatal
Before Data		2016-2020	5	17	3.4	5	1.0	1
After Data		2022-2024	3	23	7.7	8	2.7	1
% Reduction					-125%		-167%	0%
Comments: 10 into center island								

Hamilton Mason Rd & Tylersville Rd (Five Points)								
Opened - Late July 2022								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Serious Injury/Fatal
Before Data		2016-2021	6	65	10.8	18	3.0	2
After Data		8/2022-2024	2.417	51	21.1	10	4.1	0
% Reduction					-95%		-38%	100%
Comments: Converted Signal Control. 30/51 (59%) FTY from Grand Ave.								

Stahlheber Rd and Morman Rd								
Opened - August 2023								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Serious Injury/Fatal
Before Data		2017-04/2023	6.33	21	3.3	11	1.7	1
After Data		8/2023-2024	1.417	1	0.7	0	0.0	0
% Reduction					79%		100%	100%
Comments:								

Tylersville Rd and Beckett Rd								
Opened - August 2023								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Serious Injury/Fatal
Before Data		2019-2022	4	28	7.0	5	1.3	0
After Data		8/2023-2024	1.417	3	2.1	0	0.0	0
% Reduction					70%		100%	#DIV/0!
Comments: Converted traffic signal								

Princeton Rd and Mauds Hughes Rd								
Opened - Late November 2023								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Serious Injury/Fatal
Before Data		2017-2022	6	29	4.8	6	1.0	0
After Data		2024-2024	1	1	1.0	0	0.0	0
% Reduction					79%		100%	#DIV/0!
Comments:								

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OVERALL TOTALS								
25 Single-Lane Roundabouts								
	ADT	Dates	Years	All Crashes	Crash/year	Injury	Inj/year	Serious Injury/Fatal
Before Data		2003-2023	127.25	695	5.5	215	1.7	23
After Data		2008-2024	179.81	390	2.2	61	0.3	2
% Reduction					60%		80%	94%
Comments:								