

TRAFFIC CRASH PROFILE: BARRY COUNTY

INTERSECTIONS, 2011–2015

BARRY-EATON DISTRICT HEALTH DEPARTMENT
JANUARY 2018

DATA AND TERMINOLOGY

Unless stated otherwise, the data and calculations in this report are from the Michigan Department of Transportation's (MDOT's) Intersection Rankings Report for Barry County during the timeframe of 1/1/2011 to 12/31/2015.

PDO: # of crashes involving property damage only. Typical cost: \$2,000

Injury: # of crashes involving injuries (not the number of injuries). Typical cost: \$180,000

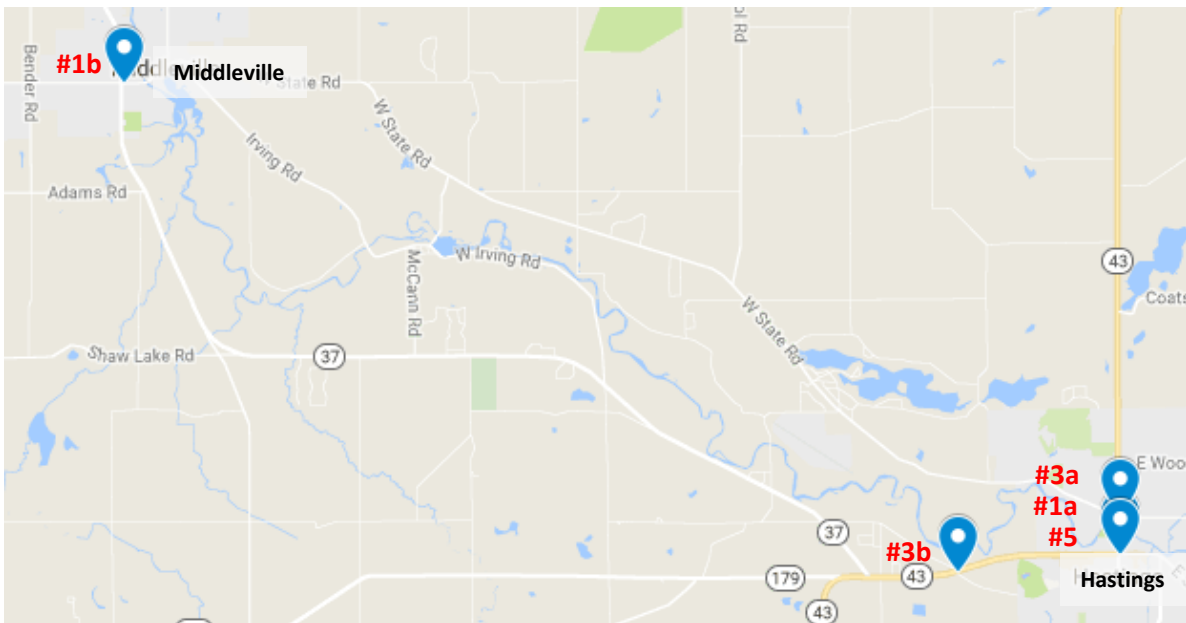
Type A: Of crashes involving injuries, # with serious injuries.

Fatal: # of crashes involving fatalities (not the number of fatalities). Typical cost: \$2,600,000

EPDO: # of equivalent PDO crashes. (Used to reflect the disproportionately higher cost of injury and fatality crashes. For example, 1 fatality crash is equivalent in cost to 1,300 PDO crashes, so the EPDO is 1,300.)

INTERSECTIONS BY CRASH FREQUENCY

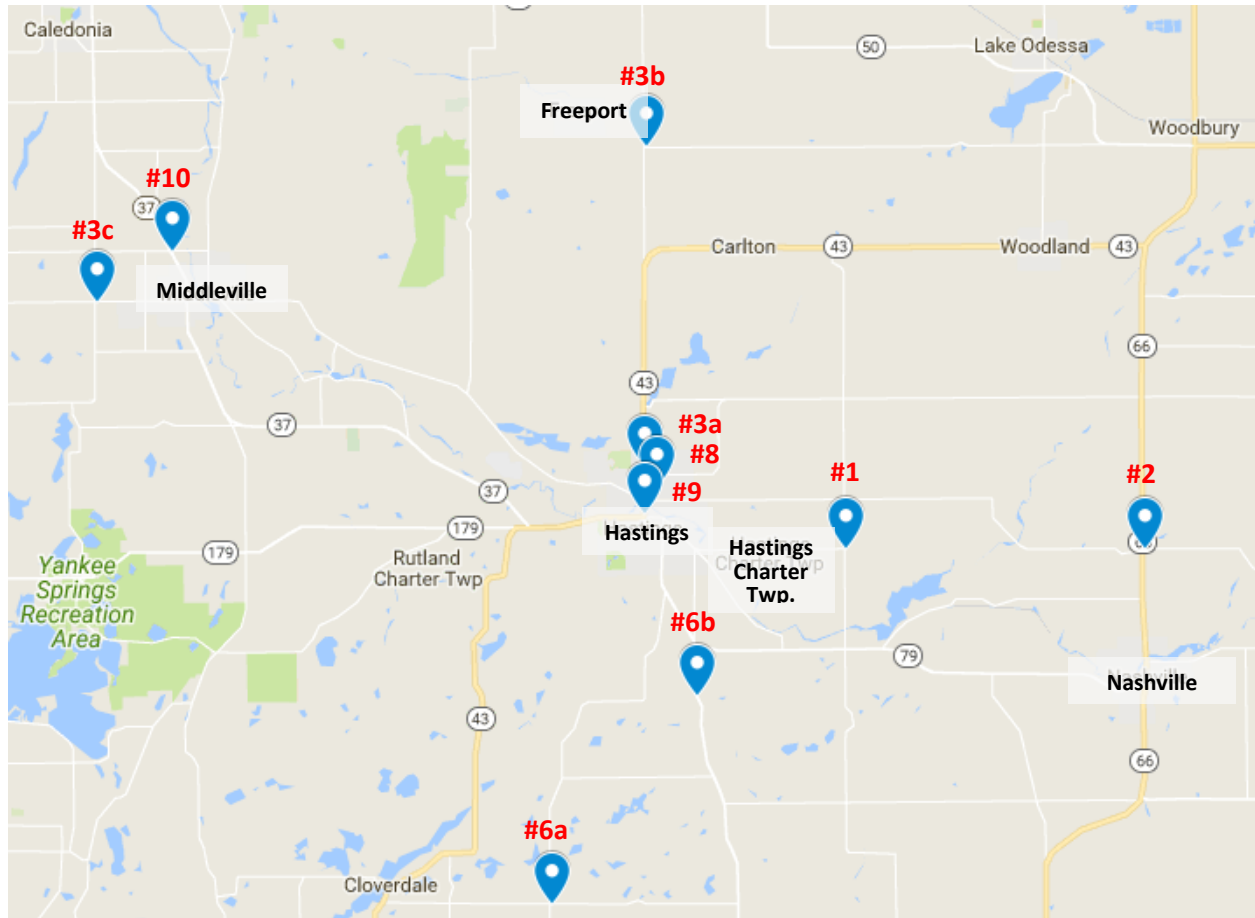
The map and chart below show the intersections that have the highest frequency of traffic crashes. We were unable to control for traffic volume, so the intersections below may reflect the large amount of traffic seen by these intersections more than any inherent dangerous issues that the intersections have.



	Intersection	Municipality	Crashes					EPDO
			Total	PDO	Injury	Type A	Fatal	
#1a	W Apple St & N Broadway St	Hastings	34	25	9	1	0	835
#1b	Arlington St & W Main St & S Broadway St	Middleville	34	28	6	1	0	568
#3a	W State Rd & N Broadway St	Hastings	33	29	4	1	0	389
#3b	Heath Rd & Green St & M-43	Rutland Charter Twp.	33	28	5	0	0	478
#5	S Broadway St & W State St & N Broadway St	Hastings	31	28	3	0	0	298

INTERSECTIONS BY COST

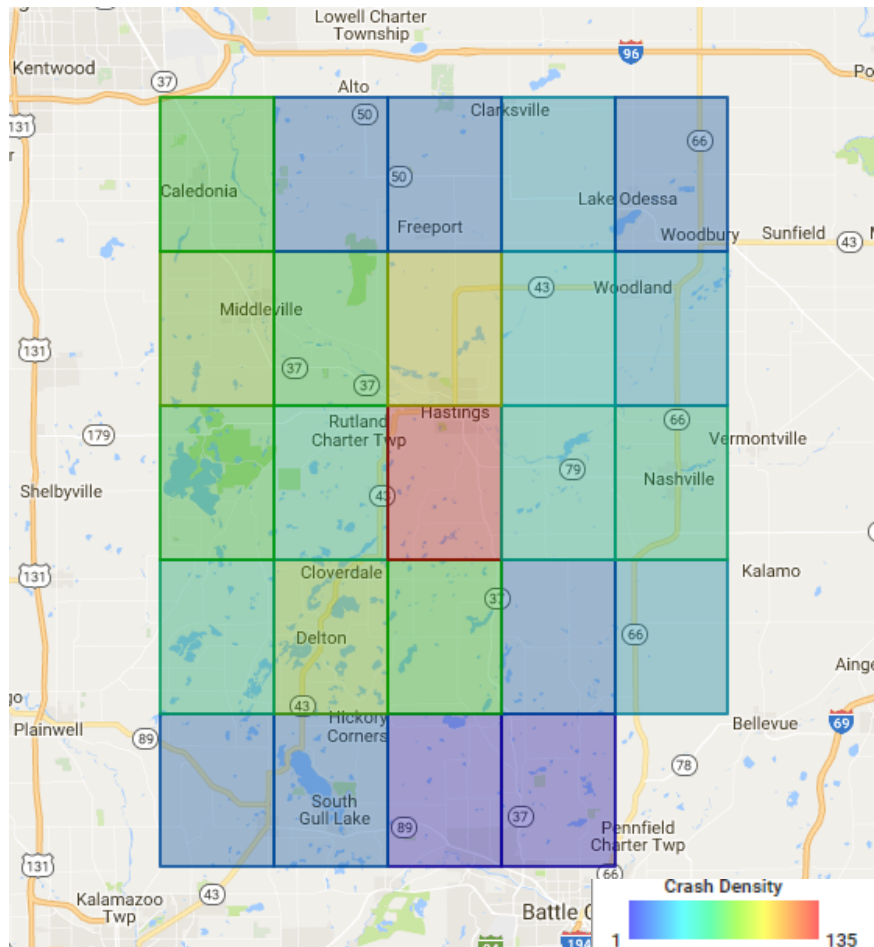
The map and chart below show the most costly intersections in terms of accidents.



	Intersection	Municipality	Crashes					EPDO
			Total	PDO	Injury	Type A	Fatal	
#1	Charlton Park Rd & E Center Rd	Hastings Charter Twp.	6	3	2	1	1	1,483
#2	E State Rd & M-66	Castleton Twp.	3	0	2	0	1	1,480
#3a	N Broadway St & W North St	Hastings	4	2	1	0	1	1,392
#3b	E Brown Rd & N Broadway Rd & W Brown Rd	Carlton Twp.	4	2	1	0	1	1,392
#3c	Cherry Valley Rd & Green Lake Rd	Thornapple Twp.	4	2	1	0	1	1,392
#6a	Cedar Creek Rd & W Cloverdale Rd	Hope Twp.	2	1	0	0	1	1,301
#6b	M-37 & Bedford Rd	Hastings Charter Twp.	2	1	0	0	1	1,301
#8	N Michigan Ave & E Lincoln St	Hastings	1	0	0	0	1	1,300
#9	W Apple St & N Broadway St	Hastings	34	25	9	1	0	835
#10	Finkbeiner Rd & M-37	Thornapple Twp.	23	16	7	2	0	646

2016 INTERSECTION CRASHES

The below crash-density map is from Michigan Traffic Crash Facts (<https://www.michigantrafficcrashfacts.org/>). It covers intersection crashes in 2016. Note that the squares of analysis DO NOT correspond with township lines.



MORE INFORMATION AND NEXT STEPS

For more in-depth information and data on county-level traffic crashes, and to learn what can be done to make intersections more safe, visit the Michigan Department of Transportation's (MDOT's) Safety website (<https://goo.gl/vmWz4n>) or contact MDOT.