

# Intersection Ranking Report

## Region 5

**Report Module:** Safety Management Analysis

**Today's Date:** Friday, October 5, 2018

**Dates:** 1/1/2013 to 12/31/2017

**Animal Crashes:** Excluded

**Radius:** 500 feet

**Sort Order:** Total Crashes

**Limited to Top:** 10

TCPDO: Typical cost of a Property Damage Only accident.      \$2,000.00  
TCIA: Typical cost of an Injury Accident.                      \$180,000.00  
TCFA: Typical cost of a Fatal Accident.                        \$2,600,000.00

Type A: Number of crashes involving Incapacitating Injury

Type B: Number of crashes involving Non-Incapacitating Injury

Type C: Number of crashes involving Possible Injury

PDO: Number of crashes involving Property Damage Only

Fatal: Number of crashes involving fatalities, not the number of fatalities.

EPDO: Number of Equivalent Property Damage Only crashes.  $EPDO = PDO + (Injury \times (TCIA / TCPDO)) + (Fatal \times (TCFA / TCPDO))$

Modified EPDO: Number of Modified EPDO crashes.  $Modified\ EPDO = PDO + [(Injury + Fatal) \times ((TCIA + TCFA) / TCPDO)]$

MEV: Million Entering Vehicles, million vehicles entering intersection annually.  $MEV = (AADT \times Days\ in\ Report\ Period / 1,000,000)$

Crash Rate: Number of Crashes / MEV

Injury Rate: Injury / MEV

Fatality Rate: Fatal / MEV

EPDO Rate: EPDO / MEV

Modified EPDO Rate: Modified EPDO / MEV

## Report Filter

Field Name	Operator	Value(s)
Drinking a Factor	=	No
Intersecton Related	=	True
Year of Crash	>=	2013
ROAD: City/Twp	=	Richfield Twp

\* An asterisk preceding the intersection name indicates incomplete AADT information for that intersection.

# Intersection Ranking Report

Rank	Intersection Name	Total Crashes	Type			Modified EPDO		Rate per MEV				Modified EPDO	Township	County			
		Fatal	A	Type B+C	PDO	EPDO	AADT	MEV	Crash	Injury	Fatality	EPDO					
* 1	N State Rd & E Richfield Rd	56	0	0	14	42	1,302	19,502	0	0.000	0.000	0.000	0.000	0.000	0.000	Richfield Twp	Genesee
2	E Richfield Rd & N Irish Rd	25	0	2	7	16	826	12,526	13345	48.736	0.513	0.041	0.000	16.948	257.017	Richfield Twp	Genesee
* 3	E Potter Rd & Austin Drain & N State Rd	11	0	0	2	9	189	2,789	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison Twp	Genesee
4	N State Rd & E Stanley Rd	10	1	0	3	6	1,576	5,566	9681	35.355	0.283	0.000	0.028	44.576	157.432	Richfield Twp	Genesee
* 5	E Coldwater Rd & N State Rd	10	0	1	5	4	544	8,344	0	0.000	0.000	0.000	0.000	0.000	0.000	Richfield Twp	Genesee
6	E Coldwater Rd & N Irish Rd	7	0	1	2	4	274	4,174	7475	27.299	0.256	0.037	0.000	10.037	152.899	Richfield Twp	Genesee
7	E Mount Morris Rd & N State Rd & State Rd	6	0	0	2	4	184	2,784	9203	33.609	0.179	0.000	0.000	5.475	82.835	Richfield Twp	Genesee
8	N Irish Rd & E Mount Morris Rd	6	0	0	1	5	95	1,395	6174	22.547	0.266	0.000	0.000	4.213	61.871	Richfield Twp	Genesee
* 9	N State Rd & Harding Dr	6	0	0	2	4	184	2,784	0	0.000	0.000	0.000	0.000	0.000	0.000	Richfield Twp	Genesee
* 10	N Oak Rd & E Richfield Rd	6	0	0	2	4	184	2,784	0	0.000	0.000	0.000	0.000	0.000	0.000	Richfield Twp	Genesee