

# 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	=	Montrose Twp

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

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Intersection Name	Total Crashes					Modified EPDO					Rate per MEV				City or Township	County	
	Fatal	Type A	Type B+C	PDO	EPDO	AADT	MEV	Crash	Injury	Fatality	EPDO	Modified EPDO					
1 Elms Rd & W Vienna Rd	18	0	1	4	13	463	6,963	16946	61.887	0.291	0.016	0.000	7.481	112.512	Montrose Twp	Genesee	
2 W Vienna Rd & Seymour Rd & Vienna Rd	16	0	2	5	9	639	9,739	12182	44.489	0.360	0.045	0.000	14.363	218.908	Montrose Twp	Genesee	
3 W Vienna Rd & McKinley Rd	14	0	0	4	10	370	5,570	11955	43.660	0.321	0.000	0.000	8.475	127.577	Montrose Twp	Genesee	
4 Vienna Rd & Peet Rd & Sheridan Ave	11	0	0	3	8	278	4,178	7705	28.139	0.391	0.000	0.000	9.880	148.477	Montrose Twp	Genesee	
* 5 Vienna Rd & Duffield Rd	6	0	1	1	4	184	2,784	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Montrose Twp	Genesee
* 6 Riverside Dr & Seymour Rd	6	0	0	3	3	273	4,173	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Montrose Twp	Genesee
* 7 W Vienna Rd & Marshall Rd	5	0	0	3	2	272	4,172	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Montrose Twp	Genesee
* 8 Farrand Rd & Seymour Rd	5	0	0	1	4	94	1,394	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Montrose Twp	Genesee
* 9 Lake Rd & Duffield Rd	2	0	0	0	2	2	2	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Montrose Twp	Genesee
10 Sheridan Ave & Lake Rd	2	0	0	1	1	91	1,391	4671	17.058	0.117	0.000	0.000	5.335	81.545	Montrose Twp	Genesee	