

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
Intersection Related	=	True
Year of Crash	>=	2013
ROAD: County	=	Genesee
ROAD: City/Twp	=	Gaines Twp

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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 Morrish Rd & Grand Blanc Rd	10	0	2	1	7	277	4,177	0	0.000	0.000	0.000	0.000	0.000	0.000	Gaines Twp	Genesee
* 2 Baldwin Rd & Seymour Rd	9	0	0	3	6	276	4,176	0	0.000	0.000	0.000	0.000	0.000	0.000	Gaines Twp	Genesee
3 Duffield Rd & Grand Blanc Rd	8	0	0	3	5	275	4,175	4581	16.730	0.478	0.000	0.000	16.438	249.552	Gaines Twp	Genesee
4 Seymour Rd & Grand Blanc Rd	7	0	0	1	6	96	1,396	7055	25.765	0.272	0.000	0.000	3.726	54.182	Gaines Twp	Genesee
5 Hill Rd & Elms Rd	7	0	0	1	6	96	1,396	8515	31.097	0.225	0.000	0.000	3.087	44.892	Gaines Twp	Genesee
6 Seymour Rd & Hill Rd	5	0	0	1	4	94	1,394	4891	17.862	0.280	0.000	0.000	5.263	78.043	Gaines Twp	Genesee
* 7 Sue Ln & Walden Dr	3	0	0	1	2	92	1,392	0	0.000	0.000	0.000	0.000	0.000	0.000	Gaines Twp	Genesee
* 8 Elaine Dr & Walden Dr	2	0	0	1	1	91	1,391	0	0.000	0.000	0.000	0.000	0.000	0.000	Gaines Twp	Genesee
* 9 Lansing Hwy & Lansing Rd & W County Line Rd & Sheridan Rd	2	0	0	1	1	91	1,391	0	0.000	0.000	0.000	0.000	0.000	0.000	Gaines Twp	Genesee
10 Morrish Rd & Hill Rd	2	0	0	1	1	91	1,391	7353	26.853	0.074	0.000	0.000	3.389	51.801	Gaines Twp	Genesee

* An asterisk preceding the Intersection Name indicates incomplete AADT information for that intersection.