

Intersection Ranking Report

Region 5

Report Module: Safety Management Analysis

Today's Date: Monday, October 8, 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	=	Genesee Twp

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Intersection Name	Total Crashes	Fatal	Type A	Type B+C	PDO	EPDO	Rate per MEV							City or Township	County	
							Modified EPDO	AADT	MEV	Crash	Injury	Fatality	EPDO			Modified EPDO
1 N Genesee Rd & Richfield Rd	66	0	1	18	47	1,757	26,457	23916	43.647	1.512	0.023	0.000	40.255	606.158	Genesee Twp	Genesee
2 S Saginaw St & W Stanley Rd & E Stanley Rd	39	0	0	14	25	1,285	19,485	24195	44.156	0.883	0.000	0.000	29.101	441.276	Genesee Twp	Genesee
3 E Mount Morris Rd & N Dort Hwy	36	0	0	16	20	1,460	22,260	27195	49.631	0.725	0.000	0.000	29.417	448.510	Genesee Twp	Genesee
* 4 N Center Rd & Richfield Rd	32	0	2	7	23	833	12,533	0	0.000	0.000	0.000	0.000	0.000	0.000	Flint	Genesee
5 N Belsay Rd & Richfield Rd	31	0	1	10	20	1,010	15,310	17724	32.346	0.958	0.031	0.000	31.225	473.320	Genesee Twp	Genesee
6 N Dort Hwy & E Stanley Rd	31	0	0	14	17	1,277	19,477	36036	65.766	0.471	0.000	0.000	19.417	296.156	Genesee Twp	Genesee
* 7 Agnes St & S Saginaw St	27	0	0	13	14	1,184	18,084	0	0.000	0.000	0.000	0.000	0.000	0.000	Genesee Twp	Genesee
* 8 S Saginaw St & Lucharles Ave	26	0	0	12	14	1,094	16,694	0	0.000	0.000	0.000	0.000	0.000	0.000	Mt Morris Twp	Genesee
* 9 Shamrock Ln & N Belsay Rd	23	0	1	6	16	646	9,746	0	0.000	0.000	0.000	0.000	0.000	0.000	Genesee Twp	Genesee
10 N Genesee Rd & E Coldwater Rd	22	0	0	7	15	645	9,745	12695	23.168	0.950	0.000	0.000	27.840	420.623	Genesee Twp	Genesee

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