

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	=	Fenton

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

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Intersection Name	Total Crashes	Fatal	Type A	Type B+C	PDO	Modified EPDO		Rate per MEV				Modified EPDO	City	County		
						EPDO	AADT	MEV	Crash	Injury	Fatality				EPDO	
* 1 Owen Rd & Jennings Rd	84	0	1	18	65	1,775	26,475	0	0.000	0.000	0.000	0.000	0.000	0.000	Fenton	Genesee
2 Owen Rd & Silver Pkwy	68	0	0	11	57	1,047	15,347	19192	70.089	0.970	0.000	0.000	14.938	218.964	Fenton	Genesee
* 3 Owen Rd & Owen/S I 75 RAMP & S I 75/Owen RAMP	61	0	1	14	46	1,396	20,896	0	0.000	0.000	0.000	0.000	0.000	0.000	Fenton	Genesee
* 4 N Leroy St & W Silver Lake Rd & E Silver Lake Rd	56	0	0	9	47	857	12,557	0	0.000	0.000	0.000	0.000	0.000	0.000	Fenton	Genesee
* 5 Owen Rd & Alloy Dr	55	0	1	13	41	1,301	19,501	0	0.000	0.000	0.000	0.000	0.000	0.000	Fenton	Genesee
* 6 Owen Rd & N I 75/Owen RAMP & Owen/N I 75 RAMP	54	0	0	13	41	1,211	18,111	0	0.000	0.000	0.000	0.000	0.000	0.000	Fenton	Genesee
7 W Shiawassee Ave & S Adelaide St	45	0	1	10	34	1,024	15,324	18830	68.767	0.654	0.015	0.000	14.891	222.839	Fenton	Genesee
* 8 Owen Rd & Donaldson Dr	43	0	1	8	34	844	12,544	0	0.000	0.000	0.000	0.000	0.000	0.000	Fenton	Genesee
* 9 Alloy Dr & W Silver Lake Rd	38	0	0	5	33	483	6,983	0	0.000	0.000	0.000	0.000	0.000	0.000	Fenton	Genesee
* 10 Charluene Dr & North Rd	34	0	0	3	31	301	4,201	0	0.000	0.000	0.000	0.000	0.000	0.000	Fenton	Genesee