

Intersection Ranking Report

Region 5 - GLSPDC

Report Module: Safety Management Analysis

Today's Date: Thursday, August 22, 2024

Dates: 1/1/2021 to 12/31/2023

Animal Crashes: Excluded

Radius: 500 feet

Sort Order: Total Crashes, Total Fatal Crashes

Limited to Top: 10 Intersections

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)
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Drinking a Factor	=	No
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* An asterisk preceding the Intersection Name indicates incomplete AADT information for that intersection.

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Run by kgarris
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Intersection Related	=	Yes
Year of Crash	>=	2021
ROAD: County	=	Genesee
ROAD: City/Twp	=	Fenton

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

Intersection Ranking Report

Intersection Name	Total Crashes	Fatal	Type A	Type B+C	PDO	EPDO	Modified EPDO	AADT	MEV	Rate per MEV				City or Township	County	
										Crash	Injury	Fatality	EPDO			Modified EPDO
Owen Rd & Silver Pkwy	55	0	0	9	46	856	12,556	19192	20.996	2.620	0.000	0.000	40.770	598.019	Fenton	Genesee
* Owen Rd & Silver Pkwy	47	0	0	8	39	759	11,159	0	0.000	0.000	0.000	0.000	0.000	0.000	Fenton	Genesee
* Jennings Rd & Owen Rd	43	0	0	7	36	666	9,766	0	0.000	0.000	0.000	0.000	0.000	0.000	Fenton	Genesee
W Shiawassee Ave & S Adelaide St	28	0	0	3	25	295	4,195	18830	20.600	1.359	0.000	0.000	14.320	203.641	Fenton	Genesee
* Silver Pkwy & W Silver Lake Rd & Foley Glen Dr	23	0	0	2	21	201	2,801	0	0.000	0.000	0.000	0.000	0.000	0.000	Fenton	Genesee
* E Silver Lake Rd & N Leroy St & W Silver Lake Rd	22	0	0	1	21	111	1,411	0	0.000	0.000	0.000	0.000	0.000	0.000	Fenton	Genesee
* N I 75/Owen RAMP & Owen Rd & Owen/ N I 75 RAMP	20	0	0	1	19	109	1,409	0	0.000	0.000	0.000	0.000	0.000	0.000	Fenton	Genesee
* Silver Pkwy	19	0	0	2	17	197	2,797	0	0.000	0.000	0.000	0.000	0.000	0.000	Fenton	Genesee
* S Adelaide St & W Elizabeth St	19	0	0	2	17	197	2,797	0	0.000	0.000	0.000	0.000	0.000	0.000	Fenton	Genesee
* S Holly Rd & S Leroy St	16	0	0	3	13	283	4,183	0	0.000	0.000	0.000	0.000	0.000	0.000	Fenton	Genesee

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