

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)
Drinking a Factor	=	No

* 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	=	Grand Blanc

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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			
* S Saginaw St & Church St & Old Bridge Rd	39	0	0	6	33	573	8,373	0	0.000	0.000	0.000	0.000	0.000	0.000	Grand Blanc	Genesee
S Saginaw St & Bush St & Perry Rd & S Saginaw Rd	39	0	1	10	28	1,018	15,318	40074	43.841	0.890	0.023	0.000	23.220	349.399	Grand Blanc	Genesee
* S Saginaw St & E Grand Blanc Rd	35	0	0	6	29	569	8,369	0	0.000	0.000	0.000	0.000	0.000	0.000	Grand Blanc	Genesee
* Bella Vista Dr & S Saginaw Rd	31	0	0	5	26	476	6,976	0	0.000	0.000	0.000	0.000	0.000	0.000	Grand Blanc	Genesee
* Crane Dr & S Saginaw Rd	27	0	1	5	21	561	8,361	0	0.000	0.000	0.000	0.000	0.000	0.000	Grand Blanc	Genesee
* Grant St & S Saginaw St	26	0	1	5	20	560	8,360	0	0.000	0.000	0.000	0.000	0.000	0.000	Grand Blanc	Genesee
* Holly Rd & S Saginaw Rd	24	0	1	3	20	380	5,580	0	0.000	0.000	0.000	0.000	0.000	0.000	Grand Blanc	Genesee
Center Rd & S Saginaw St	24	0	0	2	22	202	2,802	31963	34.968	0.686	0.000	0.000	5.777	80.130	Grand Blanc	Genesee
* High St & S Saginaw St	24	0	0	4	20	380	5,580	0	0.000	0.000	0.000	0.000	0.000	0.000	Grand Blanc	Genesee
* S Saginaw St & Pleasantview Dr	19	0	0	2	17	197	2,797	0	0.000	0.000	0.000	0.000	0.000	0.000	Grand Blanc	Genesee

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