

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	=	Gaines Twp

* 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		
* Seymour Rd & Baldwin Rd	10	1	0	5	4	1,754	8,344	0	0.000	0.000	0.000	0.000	0.000	0.000	Gaines Twp	Genesee
Grand Blanc Rd & Seymour Rd	8	0	0	1	7	97	1,397	7055	7.718	1.037	0.000	0.000	12.568	181.005	Gaines Twp	Genesee
Duffield Rd & Grand Blanc Rd	7	0	0	1	6	96	1,396	4581	5.012	1.397	0.000	0.000	19.154	278.532	Gaines Twp	Genesee
* Grand Blanc Rd & Morrish Rd	5	0	0	1	4	94	1,394	0	0.000	0.000	0.000	0.000	0.000	0.000	Gaines Twp	Genesee
* Grand Blanc Rd & Morrish Rd	4	0	0	1	3	93	1,393	0	0.000	0.000	0.000	0.000	0.000	0.000	Gaines Twp	Genesee
* E Grand Blanc Rd & Grand Blanc Rd	4	0	0	1	3	93	1,393	0	0.000	0.000	0.000	0.000	0.000	0.000	Gaines Twp	Genesee
* E Grand Blanc Rd & Grand Blanc Rd	4	0	0	1	3	93	1,393	0	0.000	0.000	0.000	0.000	0.000	0.000	Gaines Twp	Genesee
* Hill Rd & W Hill Rd	3	0	0	0	3	3	3	0	0.000	0.000	0.000	0.000	0.000	0.000	Gaines Twp	Genesee
* Hill Rd & W Hill Rd	3	0	0	0	3	3	3	0	0.000	0.000	0.000	0.000	0.000	0.000	Mundy Twp	Genesee
* Elms Rd & Hill Rd	2	0	0	0	2	2	2	0	0.000	0.000	0.000	0.000	0.000	0.000	Mundy Twp	Genesee

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