

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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Roadsoft Version 2024.3

Run by kgarris
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Intersection Related	=	Yes
Year of Crash	>=	2021
ROAD: County	=	Genesee
ROAD: City/Twp	=	Montrose 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			
* Morrish Rd & W Vienna Rd	9	0	0	2	7	187	2,787	0	0.000	0.000	0.000	0.000	0.000	0.000	Montrose Twp	Genesee
Peet Rd & Sheridan Ave & Vienna Rd	6	0	0	2	4	184	2,784	7705	8.429	0.712	0.000	0.000	21.829	330.288	Maple Grove Twp	Saginaw
Seymour Rd & Vienna Rd & W Vienna Rd	5	0	1	0	4	94	1,394	12182	13.327	0.375	0.075	0.000	7.053	104.600	Montrose Twp	Genesee
Elms Rd & W Vienna Rd	3	0	0	0	3	3	3	16946	18.539	0.162	0.000	0.000	0.162	0.162	Montrose Twp	Genesee
* Farrand Rd & Seymour Rd	3	0	0	2	1	181	2,781	0	0.000	0.000	0.000	0.000	0.000	0.000	Montrose Twp	Genesee
* Lake Rd & Duffield Rd	2	0	0	1	1	91	1,391	0	0.000	0.000	0.000	0.000	0.000	0.000	Montrose Twp	Genesee
* Nichols Rd & Lake Rd	2	0	0	1	1	91	1,391	0	0.000	0.000	0.000	0.000	0.000	0.000	Montrose Twp	Genesee
* Duffield Rd & Vienna Rd	2	0	1	1	0	180	2,780	0	0.000	0.000	0.000	0.000	0.000	0.000	Montrose Twp	Genesee
* W Wilson Rd & Elms Rd & Wilson Rd	2	0	0	2	0	180	2,780	0	0.000	0.000	0.000	0.000	0.000	0.000	Montrose Twp	Genesee
Elms Rd & Dodge Rd & W Dodge Rd	2	0	0	0	2	2	2	4467	4.887	0.409	0.000	0.000	0.409	0.409	Montrose Twp	Genesee

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