

# 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.

8/22/2024 9:09:22 AM

Roadsoft Version 2024.3

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

\* 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
Elms Rd & Miller Rd	28	0	0	4	24	384	5,584	11048	12.087	2.317	0.000	0.000	31.770	461.984	Swartz Creek	Genesee
Miller Rd & Morrish Rd	18	0	0	2	16	196	2,796	8570	9.376	1.920	0.000	0.000	20.904	298.208	Swartz Creek	Genesee
* 1st St & Miller Rd	13	0	0	2	11	191	2,791	0	0.000	0.000	0.000	0.000	0.000	0.000	Swartz Creek	Genesee
* Miller Rd & Holland Dr	12	0	0	2	10	190	2,790	0	0.000	0.000	0.000	0.000	0.000	0.000	Swartz Creek	Genesee
* 2nd St & Miller Rd	10	0	0	3	7	277	4,177	0	0.000	0.000	0.000	0.000	0.000	0.000	Swartz Creek	Genesee
* Miller Rd & Fairchild St	7	0	0	1	6	96	1,396	0	0.000	0.000	0.000	0.000	0.000	0.000	Swartz Creek	Genesee
* Fredrick St & Miller Rd	7	0	0	2	5	185	2,785	0	0.000	0.000	0.000	0.000	0.000	0.000	Swartz Creek	Genesee
Bristol Rd & Miller Rd	6	0	1	1	4	184	2,784	4629	5.064	1.185	0.197	0.000	36.335	549.763	Swartz Creek	Genesee
* S Dye Rd & Miller Rd	6	0	0	1	5	95	1,395	0	0.000	0.000	0.000	0.000	0.000	0.000	Swartz Creek	Genesee
* Church St & Morrish Rd	6	0	0	0	6	6	6	0	0.000	0.000	0.000	0.000	0.000	0.000	Swartz Creek	Genesee

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