

# 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	=	Forest 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
* State Rd & Lake Rd	9	0	0	2	7	187	2,787	0	0.000	0.000	0.000	0.000	0.000	0.000	Forest Twp	Genesee
Dodge Rd & State Rd	8	0	0	1	7	97	1,397	11126	12.172	0.657	0.000	0.000	7.969	114.772	Forest Twp	Genesee
* Cemetery Rd & Dodge Rd	4	0	0	1	3	93	1,393	0	0.000	0.000	0.000	0.000	0.000	0.000	Forest Twp	Genesee
Irish Rd & Vienna Rd	3	0	0	1	2	92	1,392	6749	7.383	0.406	0.000	0.000	12.461	188.541	Forest Twp	Genesee
N Irish Rd & Dodge Rd & Irish Rd	3	0	0	0	3	3	3	4385	4.797	0.625	0.000	0.000	0.625	0.625	Forest Twp	Genesee
State Rd & Vienna Rd	2	0	0	0	2	2	2	9163	10.024	0.200	0.000	0.000	0.200	0.200	Forest Twp	Genesee
* Farrand Rd & State Rd	2	0	0	1	1	91	1,391	0	0.000	0.000	0.000	0.000	0.000	0.000	Forest Twp	Genesee
* Dodge Rd & Stover Rd	2	0	0	0	2	2	2	0	0.000	0.000	0.000	0.000	0.000	0.000	Forest Twp	Genesee
* Henderson Rd & Lake Rd	1	0	0	0	1	1	1	0	0.000	0.000	0.000	0.000	0.000	0.000	Forest Twp	Genesee
* Dodge Rd & Oak Rd	1	0	0	1	0	90	1,390	0	0.000	0.000	0.000	0.000	0.000	0.000	Forest Twp	Genesee

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