

# 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.

8/22/2024 9:04:17 AM

Roadsoft Version 2024.3

Run by kgarris  
Page 1 of 3

Intersection Related	=	Yes
Year of Crash	>=	2021
ROAD: County	=	Genesee
ROAD: City/Twp	=	Davison 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		
Lapeer Rd & S State Rd	56	0	1	15	40	1,480	22,280	38782	42.428	1.320	0.024	0.000	34.883	525.125	Davison Twp	Genesee
S Irish Rd & Lapeer Rd	49	0	0	5	44	494	6,994	25139	27.502	1.782	0.000	0.000	17.962	254.309	Davison Twp	Genesee
N Irish Rd & Davison Rd	45	0	1	11	33	1,113	16,713	25468	27.862	1.615	0.036	0.000	39.947	599.849	Davison Twp	Genesee
* N Irish Rd & S Irish Rd & E Court St	43	0	1	12	30	1,200	18,100	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison Twp	Genesee
* Lapeer Rd & S Oak Rd & N Oak Rd	34	0	1	14	19	1,369	20,869	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison Twp	Genesee
* State/W I 69 RAMP & S State Rd	33	0	1	10	22	1,012	15,312	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison Twp	Genesee
* W I 69/State RAMP & S State Rd	30	0	1	9	20	920	13,920	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison Twp	Genesee
* Lapeer Rd & Peach Tree Dr	22	0	1	10	11	1,001	15,301	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison Twp	Genesee
* Irish/W I 69 RAMP & S Irish Rd	21	0	1	6	14	644	9,744	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison Twp	Genesee
* W I 69/Irish RAMP & S Irish Rd	19	0	1	6	12	642	9,742	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison Twp	Genesee

\* An asterisk preceding the Intersection Name indicates incomplete AADT information for that intersection.

8/22/2024 9:04:17 AM

Roadsoft Version 2024.3