

# 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.

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

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# 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			
* W Flint St & E Flint St & N State Rd	52	0	0	11	41	1,031	15,331	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison	Genesee
* E 4th St & N State Rd & W 4th St	30	0	0	6	24	564	8,364	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison	Genesee
* N State Rd & E 2nd St & W 2nd St	28	0	1	8	19	829	12,529	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison	Genesee
* N Genesee St & W Flint St	27	0	0	3	24	294	4,194	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison	Genesee
N Main St & E Flint St	25	0	0	6	19	559	8,359	17108	18.716	1.336	0.000	0.000	29.867	446.623	Davison	Genesee
* N State Rd & Mill St	22	0	1	7	14	734	11,134	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison	Genesee
* Cypress Dr & S State Rd	22	0	0	2	20	200	2,800	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison	Genesee
* E 3rd St & N State Rd & W 3rd St	19	0	0	4	15	375	5,575	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison	Genesee
* E Clark St & S State Rd & W Clark St	19	0	0	4	15	375	5,575	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison	Genesee
* E Lexington St & S State Rd	17	0	0	5	12	462	6,962	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison	Genesee

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