

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	=	Grand Blanc 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			Modified EPDO	City or Township	County	
										Crash	Injury	Fatality				
E Hill Rd & W Hill Rd & Fenton Rd	67	0	2	12	53	1,313	19,513	39028	42.697	1.569	0.047	0.000	30.752	457.011	Mundy Twp	Genesee
E Hill Rd & S Saginaw Rd	59	0	0	14	45	1,305	19,505	30280	33.126	1.781	0.000	0.000	39.395	588.812	Grand Blanc Twp	Genesee
Dort Hwy & E Hill Rd & S Dort Hwy	52	0	0	14	38	1,298	19,498	31241	34.178	1.521	0.000	0.000	37.978	570.484	Grand Blanc Twp	Genesee
Dort Hwy & E Grand Blanc Rd	43	0	3	9	31	1,111	16,711	24603	26.916	1.598	0.111	0.000	41.277	620.857	Grand Blanc Twp	Genesee
* Holly Rd & Holly/S I 75 RAMP & S I 75/ Holly RAMP	37	0	0	8	29	749	11,149	0	0.000	0.000	0.000	0.000	0.000	0.000	Grand Blanc Twp	Genesee
* Hill/N I 475 RAMP & E Hill Rd	35	0	0	7	28	658	9,758	0	0.000	0.000	0.000	0.000	0.000	0.000	Grand Blanc Twp	Genesee
* Rhoda St & S Saginaw Rd	34	0	0	8	26	746	11,146	0	0.000	0.000	0.000	0.000	0.000	0.000	Grand Blanc Twp	Genesee
Holly Rd & N Holly Rd & E Baldwin Rd	30	0	0	7	23	653	9,753	25932	28.370	1.057	0.000	0.000	23.017	343.779	Grand Blanc Twp	Genesee
* Dort Hwy & Reid Rd	29	0	0	9	20	830	12,530	0	0.000	0.000	0.000	0.000	0.000	0.000	Grand Blanc Twp	Genesee
S Dort Hwy & S Saginaw Rd	28	0	1	5	22	562	8,362	25357	27.741	1.009	0.036	0.000	20.259	301.431	Grand Blanc Twp	Genesee

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