

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	=	Mundy Twp

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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			
Grand Blanc Rd & Linden Rd	36	0	0	4	32	392	5,592	11902	13.021	2.765	0.000	0.000	30.105	429.460	Mundy Twp	Genesee
* W Hill Rd & Hill 23 Dr	32	0	0	7	25	655	9,755	0	0.000	0.000	0.000	0.000	0.000	0.000	Mundy Twp	Genesee
* Grand Blanc Rd	25	0	0	3	22	292	4,192	0	0.000	0.000	0.000	0.000	0.000	0.000	Mundy Twp	Genesee
* Grand Blanc Rd	25	0	0	3	22	292	4,192	0	0.000	0.000	0.000	0.000	0.000	0.000	Mundy Twp	Genesee
* Grand Blanc Rd & Linden Rd	24	0	0	3	21	291	4,191	0	0.000	0.000	0.000	0.000	0.000	0.000	Mundy Twp	Genesee
E Hill Rd & W Hill Rd & Fenton Rd	24	0	0	2	22	202	2,802	39028	42.697	0.562	0.000	0.000	4.731	65.625	Mundy Twp	Genesee
* W Hill Rd & N US 23	24	0	0	8	16	736	11,136	0	0.000	0.000	0.000	0.000	0.000	0.000	Mundy Twp	Genesee
* W Hill Rd & S US 23	24	0	0	8	16	736	11,136	0	0.000	0.000	0.000	0.000	0.000	0.000	Mundy Twp	Genesee
* Hill/N I 75 RAMP & W Hill Rd & N I 75/ Hill RAMP	22	0	0	7	15	645	9,745	0	0.000	0.000	0.000	0.000	0.000	0.000	Mundy Twp	Genesee
* Hill/S I 75 RAMP & S I 75/Hill RAMP & W Hill Rd	22	0	0	6	16	556	8,356	0	0.000	0.000	0.000	0.000	0.000	0.000	Mundy Twp	Genesee

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