

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.

8/22/2024 8:55:46 AM

Roadsoft Version 2024.3

Run by kgarris
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Intersection Related	=	Yes
Year of Crash	>=	2021
ROAD: County	=	Genesee
ROAD: City/Twp	=	Vienna 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			
Linden Rd & W Vienna Rd	43	0	1	14	28	1,378	20,878	23444	25.648	1.677	0.039	0.000	53.727	814.021	Vienna Twp	Genesee
N Saginaw Rd & E Vienna Rd	37	0	2	8	27	927	13,927	19757	21.614	1.712	0.093	0.000	42.889	644.351	Vienna Twp	Genesee
* Liberty St & E Vienna Rd	28	0	2	6	20	740	11,140	0	0.000	0.000	0.000	0.000	0.000	0.000	Vienna Twp	Genesee
* Hamilton St & E Vienna Rd	24	0	1	5	18	558	8,358	0	0.000	0.000	0.000	0.000	0.000	0.000	Vienna Twp	Genesee
* Peterson Dr & W Vienna Rd	20	0	0	5	15	465	6,965	0	0.000	0.000	0.000	0.000	0.000	0.000	Vienna Twp	Genesee
N Saginaw Rd & W Wilson Rd	19	0	0	8	11	731	11,131	19244	21.053	0.902	0.000	0.000	34.722	528.713	Vienna Twp	Genesee
* N I 75/Vienna RAMP & W Vienna Rd & Vienna/N I 75 RAMP	18	0	0	3	15	285	4,185	0	0.000	0.000	0.000	0.000	0.000	0.000	Vienna Twp	Genesee
* N Jennings Rd & W Vienna Rd	17	0	0	5	12	462	6,962	0	0.000	0.000	0.000	0.000	0.000	0.000	Vienna Twp	Genesee
* W Farrand Rd & N Jennings Rd	14	0	1	6	7	637	9,737	0	0.000	0.000	0.000	0.000	0.000	0.000	Vienna Twp	Genesee
* Wing Dr & W Vienna Rd	14	0	0	4	10	370	5,570	0	0.000	0.000	0.000	0.000	0.000	0.000	Vienna Twp	Genesee

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