

Intersection Ranking Report

Region 5

Report Module: Safety Management Analysis

Today's Date: Friday, October 5, 2018

Dates: 1/1/2013 to 12/31/2017

Animal Crashes: Excluded

Radius: 500 feet

Sort Order: Total Crashes

Limited to Top: 10

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
Intersection Related	=	True
Year of Crash	>=	2013
ROAD: City/Twp	=	Vienna Twp

* An asterisk preceding the intersection name indicates incomplete AADT information for that intersection.

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Rank	Intersection Name	Total Crashes					Modified EPDO				Rate per MEV				Township	County	
		Fatal	Type A	Type B+C	PDO	EPDO	AADT	MEV	Crash	Injury	Fatality	EPDO	Modified EPDO				
1	W Vienna Rd & Linden Rd	75	0	0	13	62	1,232	18,132	23444	85.617	0.876	0.000	0.000	14.390	211.780	Vienna Twp	Genesee
*	2 W Vienna Rd & Peterson Dr	48	0	0	13	35	1,205	18,105	0	0.000	0.000	0.000	0.000	0.000	0.000	Vienna Twp	Genesee
3	E Vienna Rd & N Saginaw Rd	47	0	0	11	36	1,026	15,326	19757	72.153	0.651	0.000	0.000	14.220	212.410	Vienna Twp	Genesee
*	4 W Vienna Rd & N Jennings Rd	31	0	0	11	20	1,010	15,310	0	0.000	0.000	0.000	0.000	0.000	0.000	Vienna Twp	Genesee
5	N Saginaw Rd & W Wilson Rd	31	0	0	16	15	1,455	22,255	19244	70.279	0.441	0.000	0.000	20.703	316.666	Vienna Twp	Genesee
*	6 E Vienna Rd & Liberty St	26	0	0	4	22	382	5,582	0	0.000	0.000	0.000	0.000	0.000	0.000	Vienna Twp	Genesee
*	7 Hamilton St & E Vienna Rd	23	0	0	4	19	379	5,579	0	0.000	0.000	0.000	0.000	0.000	0.000	Vienna Twp	Genesee
*	8 W Vienna Rd & Wing Dr	23	0	0	7	16	646	9,746	0	0.000	0.000	0.000	0.000	0.000	0.000	Vienna Twp	Genesee
*	9 W Vienna Rd & Vienna/N I 75 RAMP & N I 75/Vienna RAMP	23	0	0	3	20	290	4,190	0	0.000	0.000	0.000	0.000	0.000	0.000	Vienna Twp	Genesee
*	10 Charles St & N Saginaw Rd	20	0	0	6	14	554	8,354	0	0.000	0.000	0.000	0.000	0.000	0.000	Vienna Twp	Genesee