

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: County	=	Genesee
ROAD: City/Twp	=	Grand Blanc Twp

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

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Intersection Name	Total Crashes					Modified EPDO		Rate per MEV				Modified EPDO	Township	County		
		Fatal	Type A	Type B+C	PDO	EPDO	AADT	MEV	Crash	Injury	Fatality				EPDO	
1 Dort Hwy & E Grand Blanc Rd	103	0	0	37	66	3,396	51,496	24603	89.850	1.146	0.000	0.000	37.796	573.133	Grand Blanc Twp	Genesee
2 S Saginaw Rd & E Hill Rd	91	0	0	22	69	2,049	30,649	30280	110.583	0.823	0.000	0.000	18.529	277.158	Grand Blanc Twp	Genesee
3 E Hill Rd & W Hill Rd & Fenton Rd	89	0	0	21	68	1,958	29,258	39028	142.530	0.624	0.000	0.000	13.737	205.276	Grand Blanc Twp	Genesee
4 Dort Hwy & E Hill Rd & S Dort Hwy	79	1	0	19	59	3,069	27,859	31241	114.092	0.692	0.000	0.009	26.899	244.180	Grand Blanc Twp	Genesee
* 5 S I 75/Holly RAMP & Holly/S I 75 RAMP & Holly Rd	71	0	1	10	60	1,050	15,350	0	0.000	0.000	0.000	0.000	0.000	0.000	Grand Blanc Twp	Genesee
* 6 Grand Pointe Blvd & E Hill Rd & Ali St	69	0	0	16	53	1,493	22,293	0	0.000	0.000	0.000	0.000	0.000	0.000	Grand Blanc Twp	Genesee
* 7 Pollock Rd & Holly Rd	62	0	1	11	50	1,130	16,730	0	0.000	0.000	0.000	0.000	0.000	0.000	Grand Blanc Twp	Genesee
* 8 Rhoda St & S Saginaw Rd	58	0	0	19	39	1,749	26,449	0	0.000	0.000	0.000	0.000	0.000	0.000	Grand Blanc Twp	Genesee
* 9 E Hill Rd & Hill/N I 475 RAMP	57	0	0	18	39	1,659	25,059	0	0.000	0.000	0.000	0.000	0.000	0.000	Grand Blanc Twp	Genesee
10 W Grand Blanc Rd & E Grand Blanc Rd & Fenton Rd	52	0	1	18	33	1,743	26,443	24285	88.689	0.586	0.011	0.000	19.653	298.154	Grand Blanc Twp	Genesee