

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
Intersecton Related	=	True
Year of Crash	>=	2013
ROAD: County	=	Genesee
ROAD: City/Twp	=	Davison Twp

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Intersection Name	Total Crashes					Modified EPDO				Rate per MEV				City or Township	County	
	Fatal	Type A	Type B+C	PDO	EPDO	AADT	MEV	Crash	Injury	Fatality	EPDO	Modified EPDO				
1 Lapeer Rd & S State Rd	144	0	0	33	111	3,081	45,981	38782	141.632	1.017	0.000	0.000	21.754	324.651	Davison Twp	Genesee
* 2 S State Rd & State/W I 69 RAMP	92	0	0	22	70	2,050	30,650	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison Twp	Genesee
* 3 S State Rd & W I 69/State RAMP	84	0	0	19	65	1,775	26,475	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison Twp	Genesee
* 4 N Irish Rd & E Court St & S Irish Rd	58	0	1	17	40	1,660	25,060	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison Twp	Genesee
5 Lapeer Rd & S Irish Rd	54	0	1	12	41	1,211	18,111	25139	91.808	0.588	0.011	0.000	13.191	197.270	Davison Twp	Genesee
6 Davison Rd & N Irish Rd	53	0	0	9	44	854	12,554	25468	93.009	0.570	0.000	0.000	9.182	134.976	Davison Twp	Genesee
* 7 Irish/W I 69 RAMP & S Irish Rd	36	0	0	10	26	926	13,926	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison Twp	Genesee
* 8 S State Rd & E Lippincott Blvd	35	0	0	12	23	1,103	16,703	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison Twp	Genesee
* 9 W I 69/Irish RAMP & S Irish Rd	34	0	0	9	25	835	12,535	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison Twp	Genesee
* 10 S State Rd & N Parkwood Dr	33	0	0	9	24	834	12,534	0	0.000	0.000	0.000	0.000	0.000	0.000	Davison Twp	Genesee

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