

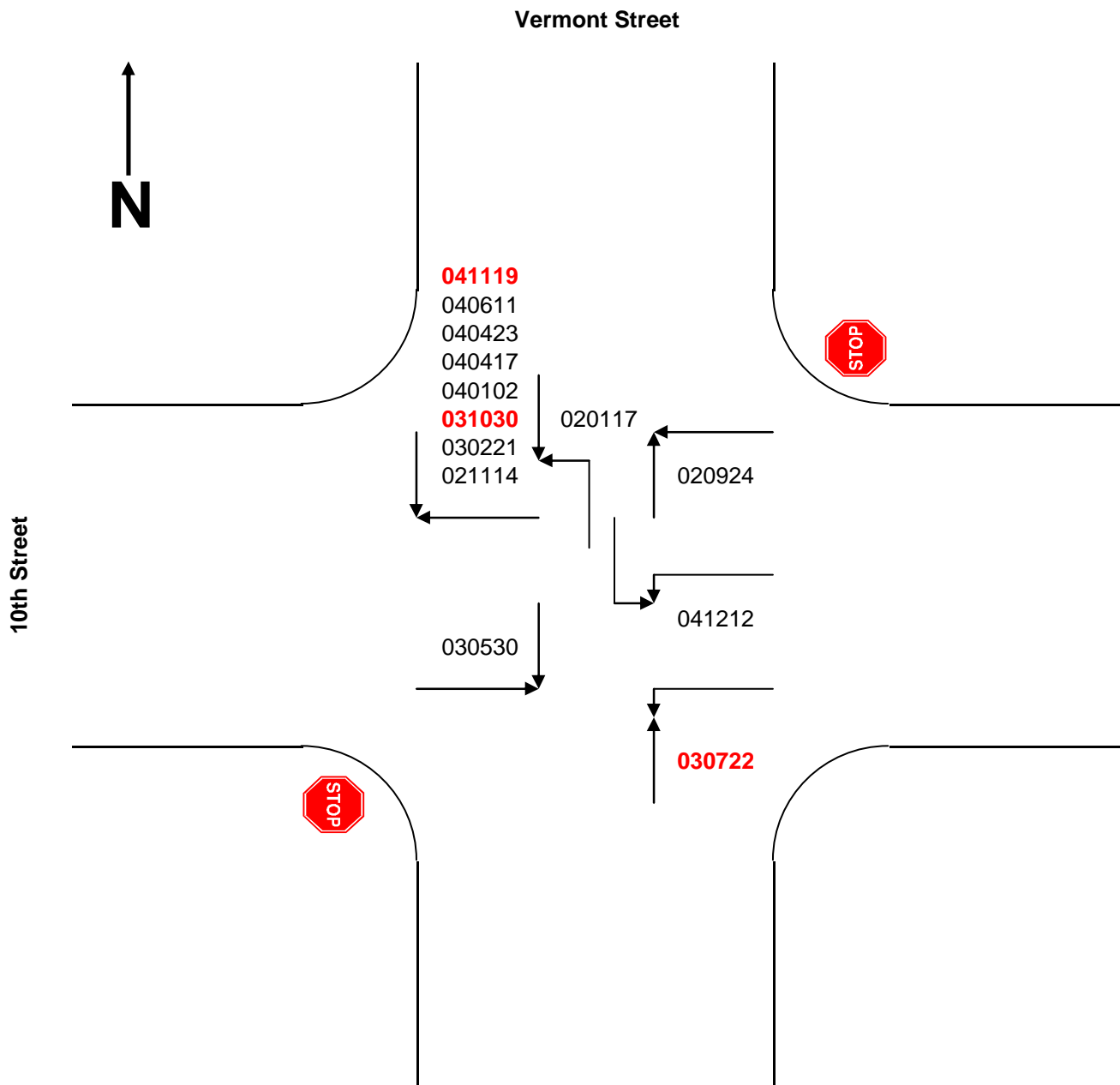


City of Lawrence, Kansas
Traffic Engineering Division
Crash Diagram



Location: 10th Street & Vermont Street

Date: 2002-2003-2004



Notes: Red indicates an INJURY crash

2002-3; 2003-4; 2004-6



Multiway Stop Warrant Worksheet

Date: 23 September 2005

Location: 10th Street & Vermont Street

Time Period	Vermont Street							10th Street							Grand Total
	NBLL	NB	NBRL	SBLL	SB	SBRL	Total	EBLL	EB	EBRL	WBLL	WB	WBRL	Total	
12-01	1		22	5		36	64		10			43		53	117
01-02	0		12	2		22	36		5			27		32	68
02-03	0		1	0		11	12		4			18		22	34
03-04	0		4	2		3	9		1			6		7	16
04-05	0		4	0		9	13		0			0		0	13
05-06	0		4	0		12	16		1			0		1	17
06-07	3		22	6		56	87		11			5		16	103
07-08	1		53	21		130	205		23			26		49	254
08-09	8		87	23		134	252		41			52		93	345
09-10	3		102	14		141	260		28			73		101	361
10-11	6		119	13		164	302		26			48		74	376
11-12	7		128	26		170	331		60			86		146	477
12-01	10		138	27		221	396		45			123		168	564
01-02	10		107	16		201	334		49			111		160	494
02-03	6		129	16		202	353		57			90		147	500
03-04	9		137	15		223	384		53			90		143	527
04-05	7		136	22		238	403		47			95		142	545
05-06	12		138	10		297	457		63			122		185	642
06-07	5		121	24		236	386		49			127		176	562
07-08	9		88	14		155	266		46			122		168	434
08-09	4		58	8		134	204		26			69		95	299
09-10	1		54	5		93	153		28			70		98	251
10-11	3		27	3		58	91		19			45		64	155
11-12	2		34	4		47	87		11			46		57	144
Totals	107	0	1725	276	0	2993	5101	0	703	0	0	1494	0	2197	7298

The Manual on Uniform Traffic Control Devices (MUTCD) requires an average of **300** vehicles per hour entering the intersection from the main street for each of 8 hours of a day, and an average of **200** entering from the minor street during the same 8 hours.

Average entering volume on main street for 8 highest hours = **381**

Average minor street volume for same 8 hours = **158**



City of Lawrence, Kansas
Traffic Engineering Division
Traffic Signal Warrant Worksheet



Location: 10th Street & Vermont Street

Date: 23 September 2005

Time Period	Vermont Street											10th Street										Grand Total	Warrant Met	
	NBLT	NBLL	NBRL	NBRT	NB	SBLT	SBLL	SBRL	SBRT	SB	Total	EBLT	EBLL	EBRL	EBRT	EB	WBLT	WBLL	WBRL	WBRT	WB		#1a	#1b
12-01	1		22		23	5		36		41	64			10		10			43		43	117		
01-02	0		12		12	2		22		24	36			5		5			27		27	68		
02-03	0		1		1	0		11		11	12			4		4			18		18	34		
03-04	0		4		4	2		3		5	9			1		1			6		6	16		
04-05	0		4		4	0		9		9	13			0		0			0		0	13		
05-06	0		4		4	0		12		12	16			1		1			0		0	17		
06-07	3		22		25	6		56		62	87			11		11			5		5	103		
07-08	1		53		54	21		130		151	205			23		23			26		26	254		
08-09	8		87		95	23		134		157	252			41		41			52		52	345		
09-10	3		102		105	14		141		155	260			28		28			73		73	361		
10-11	6		119		125	13		164		177	302			26		26			48		48	376		
11-12	7		128		135	26		170		196	331			60		60			86		86	477		
12-01	10		138		148	27		221		248	396			45		45			123		123	564		
01-02	10		107		117	16		201		217	334			49		49			111		111	494		
02-03	6		129		135	16		202		218	353			57		57			90		90	500		
03-04	9		137		146	15		223		238	384			53		53			90		90	527		
04-05	7		136		143	22		238		260	403			47		47			95		95	545		
05-06	12		138		150	10		297		307	457			63		63			122		122	642		
06-07	5		121		126	24		236		260	386			49		49			127		127	562		
07-08	9		88		97	14		155		169	266			46		46			122		122	434		
08-09	4		58		62	8		134		142	204			26		26			69		69	299		
09-10	1		54		55	5		93		98	153			28		28			70		70	251		
10-11	3		27		30	3		58		61	91			19		19			45		45	155		
11-12	2		34		36	4		47		51	87			11		11			46		46	144		
Totals	107	0	1725	0	1832	276	0	2993	0	3269	5101	0	0	703	0	703	0	0	1494	0	1494	7298	0	0

The Manual on Uniform Traffic Control Devices Minimum Volume Requirements for 8 hours:

Warrant #1: Main Street -- 500 Minor Street -- 150

Warrant #2: Main Street -- 750 Minor Street -- 75

Speed Limit on _____ Street = _____ mph

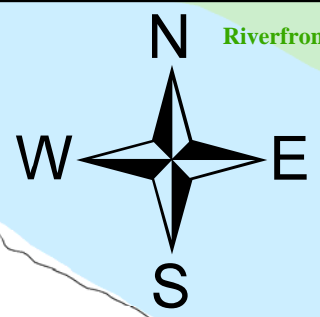
☐ Warrant #7, Crash Experience, met

☐ Warrant #2, Four Hour Volume, met

☐ Warrant #3, Peak Hour Volume, met



Riverfront Park



Constant Park

Robinson Park

Constant Park

W 6th St

E 6th St

Buford M. Watson, Jr. Park

W 7th St

E 7th St

Lawrence Aquatic Center

Kentucky St

W 8th St

E 8th St

Ohio St

Vermont St

Massachusetts St

New Hampshire St

W 9th St

E 9th St

Rhode Island St

Connecticut St

New York St

New Jersey St

W 10th St

E 10th St

Tennessee St

W 11th St

E 11th St

Louisiana St College Dr

Japanese Friendship Garden

Community Building

North Park St

South Park

South Park

From: Catherine McGivney [mailto:cmcgivney@gmail.com]
Sent: Thursday, August 18, 2005 3:32 AM
To: mwildgen@ci.lawrence.ks.us
Subject: traffic signal at 10th & Vermont?

Hello Mike,

I have noticed that the intersection of 10th & Vermont is becoming increasingly difficult to cross -- and particularly dangerous for pedestrians. The intersection is controlled by stop signs for motorists on 10th Street, but no stop signs for the motorists on Vermont. Navigating this intersection is fine at night, when traffic volume is light. However, during peak traffic times it is very difficult to get across Vermont, whether in a car or on foot, because of the heavy traffic going both ways on Vermont.

I'm particularly concerned about pedestrian safety at this intersection for the following reasons:

- *because of its proximity to downtown, where there are a lot of pedestrians;
- *because of its proximity to the Lawrence Open Shelter and the Link Kitchen, which both attract heavy pedestrian traffic for obvious reasons; *because I live near 10th street and frequently walk and drive through this intersection myself.

Are there any plans to put in a traffic signal at the intersection, or at least a 4-way stop sign?

I hope you are the right person to contact about this matter. If not, where might I direct my inquiry?

Thanks for any help you can provide,

Catherine McGivney

David Woosley

From: Catherine McGivney [cmcgivney@gmail.com]
Sent: Sunday, December 04, 2005 5:17 PM
To: David Woosley
Subject: Re: December Traffic Safety Commission Agenda

Sorry to take so long to respond, but I've been out of town for the Thanksgiving holiday. I won't be able to make it to the meeting since I work second shift. Please do keep me in the loop!

Catherine

On 11/22/05, **David Woosley** <DWoosley@ci.lawrence.ks.us> wrote:

See attachment.

David

David E. Woosley, P.E.

Transportation/Traffic Engineer

City of Lawrence Kansas

785.832.3034

www.lawrencepublicworks.org/traffic.shtml

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12/5/2005

P.O. Box 1166
945 Ohio Street
Lawrence, Kansas 6044
tel. 785-841-8505
email: nuts2sell@aol.com

RECEIVED

DEC 01 2005

OFFICE

November 30, 2005

David E. Woosley, P.E.
Transportation/Traffic Engineer
P. O. Box 708
Lawrence, KS 66044-0708

Re: Traffic Safety Commission Meeting Dec. 5, 2005
Item 3. 10th & Vermont proposal

Dear Mr. Woosley:

I gather that there has been a proposal to place an all-way-stop or a traffic signal at the intersection of 10th Street and Vermont Street. Its about time!

I live at 10th and Ohio and cross Vermont at that intersection every time I come downtown. The traffic there seems wholly oblivious to pedestrians. Getting across is a game of chicken. And with all the foot traffic around the drop-in center/homeless shelter that intersection is an accident waiting to happen.

I urge the City do something to make it safer to cross Vermont street at 10th. A stop-light is perhaps a bit much but that intersection needs a marked crosswalk, a yield to pedestrians sign, a 4-way stop sign or something to alert drivers to the presence of pedestrians and ~~the~~ need to yield to pedestrians.

I may not be able to attend the hearing—please consider this my public comment.

Yours truly,



Charles NovoGradac