

AGENDA: TSC 5/5/14

ITEM NO. 3: Consider request to construct a ROUNDABOUT at the intersection of Folks Road and Overland Drive.

Staff Report:

1. Traffic data was obtained at this intersection March 31 – April 1.
2. Warrants for roundabouts have not been established; however, they can be a substitute for a multi-way stop or traffic signal, which do have established warrants.
3. Based on the traffic data that was collected, a multi-way stop or traffic signal are not currently warranted.

MINUTES: TSC 5/5/14

ITEM NO. 3:

Consider request to construct a ROUNDABOUT at the intersection of Folks Road and Overland Drive.

Woosley reviewed the information provided in the staff report.

Public Comment:

None.

MOTION BY COMMISSIONER BOLEY, SECOND BY COMMISSIONER ROTHROCK, TO RECOMMEND DENIAL OF THE REQUEST TO CONSTRUCT A ROUNDABOUT AT THE INTERSECTION OF FOLKS ROAD AND OVERLAND DRIVE; THE MOTION CARRIED, 5-0.

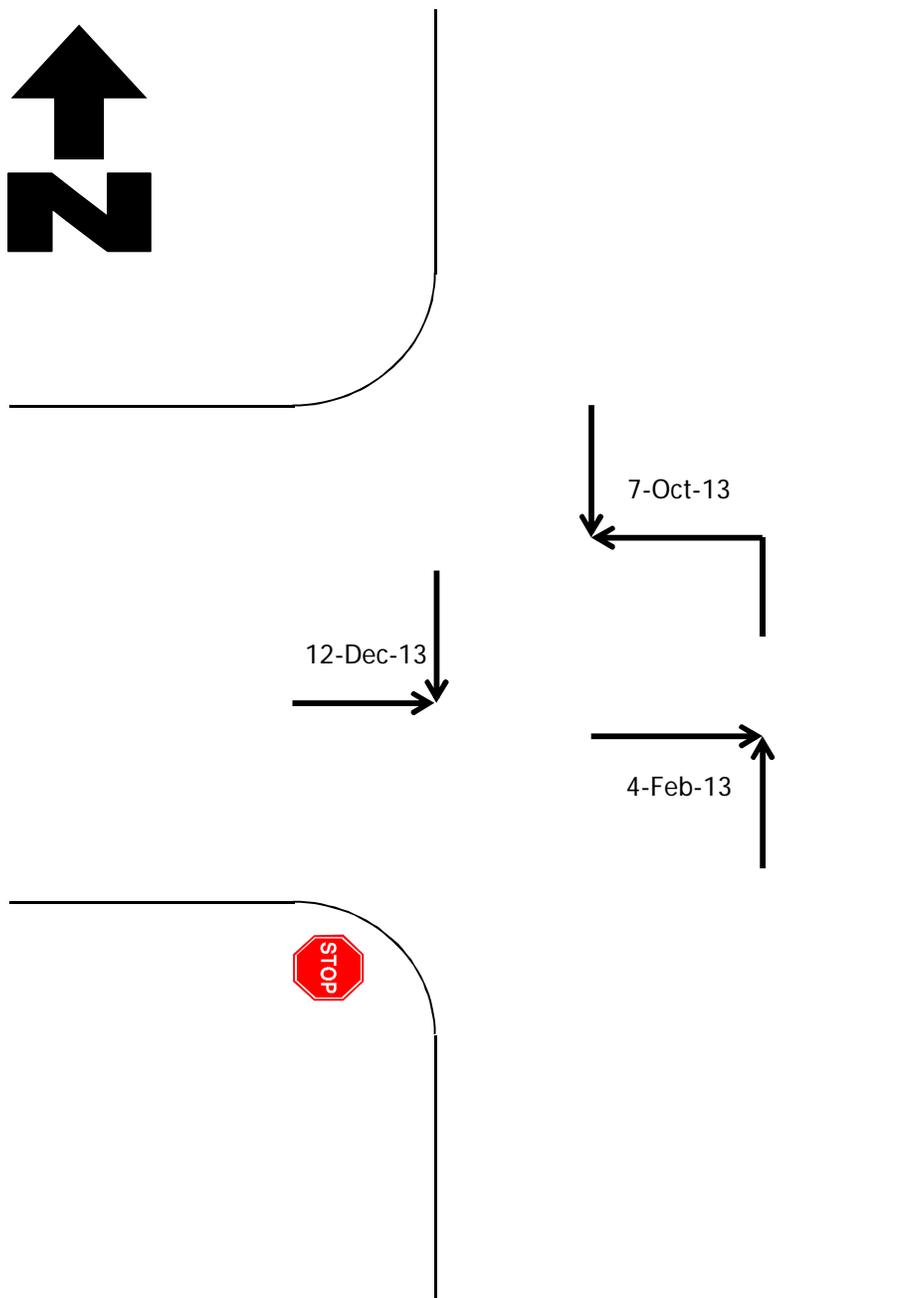


City of Lawrence, Kansas
Traffic Engineering Division
Crash Diagram



Location: **Folks Road & Overland Drive**

Date: **2011-2013**



Notes: _____



ALL WAY Stop Warrant Worksheet

Date: March 31-April1 2014

Location: Folks Road & Overland Drive

Time Period	Folks Road							Overland Drive							Grand Total
	NBLL	NB	NBRL	SBL	SB	SBRL	Total	EBLL	EB	EBRL	WBLL	WB	WBRL	Total	
12-01		8			8		16		2					2	18
01-02		1			5		6		0					0	6
02-03		4			2		6		0					0	6
03-04		6			4		10		0					0	10
04-05		6			7		13		1					1	14
05-06		6			17		23		3					3	26
06-07		46			124		170		43					43	213
07-08		115			430		545		122					122	667
08-09		100			233		333		73					73	406
09-10		70			120		190		63					63	253
10-11		66			101		167		51					51	218
11-12		99			125		224		67					67	291
12-01		173			163		336		152					152	488
01-02		112			135		247		106					106	353
02-03		112			114		226		122					122	348
03-04		195			223		418		104					104	522
04-05		191			168		359		167					167	526
05-06		270			247		517		172					172	689
06-07		205			178		383		135					135	518
07-08		134			112		246		121					121	367
08-09		109			58		167		62					62	229
09-10		46			46		92		14					14	106
10-11		42			22		64		15					15	79
11-12		16			15		31		2					2	33
Totals	0	2132	0	0	2657	0	4789	0	1597	0	0	0	0	1597	6386

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 = **392**

Average minor street volume for same 8 hours = **131**



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



Location: **Folks Road & Overland Drive**

Date: **31 March - 1 April 2014**

Time Period	Folks Road											Overland Drive										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	#2	#3
12-01					8					8	16					2						18				
01-02					1					5	6					0						6				
02-03					4					2	6					0						6				
03-04					6					4	10					0						10				
04-05					6					7	13					1						14				
05-06					6					17	23					3						26				
06-07					46					124	170					43						213				
07-08					115					430	545					122						667				
08-09					100					233	333					73						406				
09-10					70					120	190					63						253				
10-11					66					101	167					51						218				
11-12					99					125	224					67						291				
12-01					173					163	336					152						488				
01-02					112					135	247					106						353				
02-03					112					114	226					122						348				
03-04					195					223	418					104						522				
04-05					191					168	359					167						526				
05-06					270					247	517					172						689	1			
06-07					205					178	383					135						518				
07-08					134					112	246					121						367				
08-09					109					58	167					62						229				
09-10					46					46	92					14						106				
10-11					42					22	64					15						79				
11-12					16					15	16					2						18				
Totals	0	0	0	0	2132	0	0	0	0	2657	4774	0	0	0	0	1597	0	0	0	0	0	6371	1	0	0	0

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

Warrant #1a: Main Street -- 500 Minor Street -- 150
 Warrant #1b: Main Street -- 750 Minor Street -- 75

no Warrant #7, Crash Experience, met

Warrant #2 - Four-Hour Warrant
 Warrant #3 - Peak-Hour Warrant