

Table 2 Rev.
Summary of Volume/Capacity Analysis for Subject Signalized Intersections
(Future + Bauer Farm + WalMart Traffic Conditions, Afternoon Peak-Hour of a Typical Weekday)

Traffic Movement	Intersection of Wakarusa Drive & Bauer Farm Drive					Intersection of Wakarusa Drive & Overland Drive				
	Present Plan	ALT #1	ALT #2	ALT #3	ALT #4	Present Plan	ALT #1	ALT #2	ALT #3	ALT #4
Eastbound L		D				E			B	
Eastbound T		D				E			C	
Eastbound R	A	D (350') *	D (325') *	C (250')		C			B	
Westbound L		D (450') *	E (400') *	B (150')		D			B	
Westbound T		D				D			C	
Westbound R	A	D	B	B (25')		D			C	
Northbound L		D (350') *				D			D	
Northbound T	A	D (725') *	C (600') *	A (325')		C			D	
Northbound R	A	B	A	A (100')		C			D	
Southbound L		D	D			E			D	
Southbound T	A	D	B	A (175')		D			D	
Southbound R	A	D	B	A (175')		D			D	
Intersection	A	D	C	B		D			C	
Total Delay	1.6 sec.	43.0 sec.	27.5 sec.	14.8 sec.		39.9 sec.			33.9 sec.	

NOTES:

Present Plan = Right-in/Right-Out

ALT #1 = Full Access

ALT #2 = (Right-In/Right-Out) + (Southbound Left-In) + (Westbound Left-Out)

ALT #3 = (Right-In/Right-Out) + (Westbound Left-Out)

ALT #4 = (Right-In/Right-Out) + (Westbound Left-Out) + (Eastbound Left-Out)

Yellow highlighted cells indicate shared lanes (one lane group)

Black highlighted cells indicate no movements possible (restricted movements)

Numbers in paranthesis indicate 95th percentile queue lengths (stacking distance) with * signifying unacceptable lengths causing spillback into upstream intersection

**Table 3 - Rev.
Summary of 3-Year Crash History (2004 thru 2006) for Three Selected Sites
Lawrence, KS**

Location	Total # of Crashes at Both Intersections & Mid-Block	Total # of Driveway-Related Crashes (Mid-Block Only)					Through Traffic Volumes in the direction of RI and/or RO (PM Peak-Hour) #
		All Types	LT Out	LT In	RT Out	RT In	
6th Street (Schwarz Rd. to Lawrence Ave.) *	77	28	22	2	1	3	~ 1600 vph
23rd Street (Anderson Rd. to Harper St.) **	51	7	1	5	0	1	~ 1500 vph
Kasold Drive (22nd Ter. to Clinton Pkwy) ***	56	0	0	0	0	0	~ 750 vph

NOTES:

* Total of six driveways in this block (all fully-directional)

** Total of six (6) driveways in this section (all fully-directional except for one (1) being of Right-In/Right-Out type)

*** Total of one (1) driveway in this block (Right-In Only)

From actual counts conducted in 2000, 2001