2025 Existing Peak Hour Traffic Operations

Intersection	Traffic Control	Peak Hour	Parameter	Eastbound			Westbound			Northbound			Southbound			Overall Intersection LOS
				LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT	
Lisbon Rd (County K) with Lynndale Rd (County JK)	One-Way Stop Control	AM	LOS	–	(A)	(A)	B	(A)	–	E	–	E	–	–	–	N/A
			Delay, sec/veh	–	0.0	0.0	10.4	0.0	–	36.3	–	36.3	–	–	–	
			Queue, ft	–	0	0	55	0	–	255	–	255	–	–	–	
		PM	LOS	–	(A)	(A)	A	(A)	–	B	–	B	–	–	–	N/A
			Delay, sec/veh	–	0.0	0.0	9.3	0.0	–	14.9	–	14.9	–	–	–	
			Queue, ft	–	0	0	45	0	–	90	–	90	–	–	–	
Lisbon Rd (County K) with Maple Ave	One-Way Stop Control	AM	LOS	A	A	(A)	A	A	(A)	D	D	D	F	F	B	N/A
			Delay, sec/veh	9.0	9.0	0.0	9.7	9.7	0.0	32.2	32.2	32.2	130.4	130.4	13.6	
			Queue, ft	<25	<25	0	<25	<25	0	<25	<25	<25	105	105	<25	
		PM	LOS	B	B	(A)	A	A	(A)	E	E	E	F	F	C	N/A
			Delay, sec/veh	11.3	11.3	0.0	8.9	8.9	0.0	46.0	46.0	46.0	226.7	226.7	21.1	
			Queue, ft	<25	<25	0	<25	<25	0	<25	<25	<25	85	85	35	
Lisbon Rd (County K) with Waukesha Ave / Redford Blvd (County F)	Traffic Signal	AM	LOS	C	D	C	C	C	C	E	C	C	C	C	C	C
			Delay, sec/veh	20.1	37.2	29.7	25.5	25.3	22.5	67.8	25.8	24.5	20.5	32.9	23.7	
			Queue, ft	90	465	180	160	165	25	340	245	165	85	480	95	
		PM	LOS	C	D	C	C	C	C	D	C	C	C	D	C	C
			Delay, sec/veh	21.1	35.7	30.6	23.9	27.5	22.8	36.1	27.4	22.3	23.5	35.3	27.8	
			Queue, ft	70	320	150	165	220	30	390	385	170	70	345	125	
Lisbon Rd (County K) with Town Line Rd (County V)	Traffic Signal	AM	LOS	B	A	A	B	B	B	B	B	B	B	B	B	B
			Delay, sec/veh	10.4	7.8	5.3	14.3	18.7	14.6	16.0	16.0	15.9	18.4	18.4	18.3	
			Queue, ft	125	195	<25	30	180	50	50	50	40	175	175	145	
		PM	LOS	B	A	A	B	B	B	B	B	B	C	C	C	B
			Delay, sec/veh	11.0	6.4	5.0	13.4	18.5	13.9	19.1	19.1	18.5	21.5	21.5	22.4	
			Queue, ft	145	155	<25	45	305	85	85	85	40	210	210	200	
Lisbon Rd (County K) with Lannon Rd (County Y)	Two-Way Stop Control	AM	LOS	A	A	(A)	A	A	(A)	C	C	C	F	F	B	N/A
			Delay, sec/veh	8.9	8.9	0.0	8.4	8.4	0.0	22.0	22.0	22.0	365.7	365.7	10.6	
			Queue, ft	<25	<25	0	<25	<25	0	<25	<25	<25	355	355	<25	
		PM	LOS	A	A	(A)	A	A	(A)	E	E	E	F	F	B	N/A
			Delay, sec/veh	10.0	10.0	0.0	8.5	8.5	0.0	41.7	41.7	41.7	355.1	355.1	14.0	
			Queue, ft	<25	<25	0	<25	<25	0	<25	<25	<25	265	265	25	

2055 Background Peak Hour Traffic Operations

Intersection	Traffic Control	Peak Hour	Parameter	Eastbound			Westbound			Northbound			Southbound			Overall Intersection LOS
				LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT	
Lisbon Rd (County K) with Lynndale Rd (County JK)	One-Way Stop Control	AM	LOS	–	(A)	(A)	B	(A)	–	F	–	F	–	–	–	N/A
			Delay, sec/veh	–	0.0	0.0	12.2	0.0	–	166.8	–	166.8	–	–	–	
			Queue, ft	–	0	0	90	0	–	790	–	790	–	–	–	
		PM	LOS	–	(A)	(A)	B	(A)	–	D	–	D	–	–	–	N/A
			Delay, sec/veh	–	0.0	0.0	10.3	0.0	–	26.6	–	26.6	–	–	–	
			Queue, ft	–	0	0	70	0	–	220	–	220	–	–	–	
Lisbon Rd (County K) with Maple Ave	One-Way Stop Control	AM	LOS	A	A	(A)	B	B	(A)	F	F	F	F	F	C	N/A
			Delay, sec/veh	9.7	9.7	0.0	10.7	10.7	0.0	57.8	57.8	57.8	>500	>500	16.0	
			Queue, ft	<25	<25	0	<25	<25	0	<25	<25	<25	210	210	25	
		PM	LOS	B	B	(A)	A	A	(A)	F	F	F	F	F	D	N/A
			Delay, sec/veh	13.5	13.5	0.0	9.5	9.5	0.0	149.5	149.5	149.5	>500	>500	32.4	
			Queue, ft	25	25	0	<25	<25	0	<25	<25	<25	155	155	60	
Lisbon Rd (County K) with Waukesha Ave / Redford Blvd (County F)	Traffic Signal	AM	LOS	C	F	D	F	C	C	F	C	C	C	E	C	E
			Delay, sec/veh	25.2	128.8	36.2	120.2	32.4	28.0	122.1	26.3	24.7	22.3	60.6	26.0	
			Queue, ft	110	655	205	335	200	30	320	215	145	70	575	95	
		PM	LOS	C	F	D	F	D	C	E	C	C	C	E	C	D
			Delay, sec/veh	27.7	109.5	40.5	90.4	36.4	28.1	76.5	29.0	22.9	28.0	56.5	33.3	
			Queue, ft	105	520	195	375	305	35	445	390	165	35	440	145	
Lisbon Rd (County K) with Town Line Rd (County V)	Traffic Signal	AM	LOS	B	A	A	B	C	B	B	B	B	C	C	C	B
			Delay, sec/veh	13.6	9.1	5.6	16.3	22.9	16.5	18.0	18.0	17.9	21.2	21.2	20.9	
			Queue, ft	140	220	<25	35	210	55	55	55	45	200	200	150	
		PM	LOS	C	A	A	B	C	B	C	C	C	C	C	C	B
			Delay, sec/veh	20.1	7.3	5.3	14.9	24.8	15.6	21.8	21.8	21.0	25.0	25.0	27.8	
			Queue, ft	245	150	<25	45	370	85	90	90	35	245	245	210	
Lisbon Rd (County K) with Lannon Rd (County Y)	Two-Way Stop Control	AM	LOS	A	A	(A)	A	A	(A)	E	E	E	F	F	B	N/A
			Delay, sec/veh	9.8	9.8	0.0	8.9	8.9	0.0	40.8	40.8	40.8	>500	>500	12.0	
			Queue, ft	25	25	0	<25	<25	0	<25	<25	<25	770	770	25	
		PM	LOS	B	B	(A)	A	A	(A)	F	F	F	F	F	C	N/A
			Delay, sec/veh	11.9	11.9	0.0	9.0	9.0	0.0	164.6	164.6	164.6	>500	>500	20.1	
			Queue, ft	30	30	0	<25	<25	0	30	30	30	575	575	60	

Notes:
- -- Indicates movement is not available or allowed.
- (A) Indicates free-flow movement
- HCM methodology does not identify an overall intersection level of service for one-way stop controlled intersections

LOS Peak Hour Traffic Operations	Exhibit 6