

Intersection Design Study
 Lincoln Avenue & Main Street
 PM Peak Hour Design Conditions

TEAPAC[Ver 8.50.03] - Capacity Analysis Summary (HCM 2010)

Intersection Averages for Int # 1 - Lincoln Avenue & Main Street
 V/C 0.606 (Critical V/C 0.800) Control Delay 20.4 Level of Service C+

Sq 44 **/**	Phase 1	Phase 2	Phase 3	Phase 4
North 				
Cmax= 60"	Gmax= 5.6" Gavg= 5.6"	Gmax= 14.2" Gavg= 11.6"	Gmax= 12.3" Gavg= 8.8"	Gmax= 12.0" Gavg= 10.0"
Cavg= 52"	Y+Rc= 4.0"	Y+Rc= 4.0"	Y+Rc= 4.0"	Y+Rc= 4.0"
	Gmax= 5.6" Gavg= 4.4"	Gmax= 14.2" Gavg= 12.8"	Gmax= 12.3" Gavg= 3.2"	Gmax= 12.0" Gavg= 15.6"
	Y+Rc= 4.0"	Y+Rc= 4.0"	Y+Rc= 4.0"	Y+Rc= 4.0"



Lane Group	Width/Lanes	g/C		SatFlo	Capcty	Adj Volume	v/c	HCM Delay	L S	Queue Model 1
		Max	Avg							

N Approach 21.2 C+

RT	12/1	0.236	0.223	1562	622	194	0.245	11.0	B+	60 ft
TH	24/2	0.236	0.223	3547	806	611	0.729	26.0	*C+	166 ft
LT	12/1	0.093	0.085	1774	389	139	0.191	14.1	B+	50 ft

S Approach 18.5 B

RT+TH	24/2	0.236	0.245	3536	877	483	0.578	19.9	B	246 ft
LT	12/1	0.093	0.107	1774	371	222	0.305	15.5	*B	83 ft

E Approach 26.9 C+

RT+TH	24/2	0.200	0.192	3558	683	539	0.758	26.9	*C+	296 ft
LT	12/1	0.205	0.062	1774	110	72	0.198	26.4	C+	40 ft

W Approach 16.9 B

RT	12/1	0.200	0.300	1583	643	239	0.421	11.0	B+	75 ft
TH	24/2	0.200	0.300	3547	1063	500	0.706	15.1	B	97 ft
LT	12/1	0.205	0.170	1774	301	244	0.672	26.4	*C+	134 ft