

ASSOCIATED PHASE	DIRECTION	MOVEMENT	TRAFFIC SIGNAL														PEDESTRIAN																
			FACTORS *(TEM 403-2)								CALCULATED (TEM 403-2)			FINAL CLEARANCE			PED MOVEMENT	ASSOCIATED PHASE	CROSSWALK LENGTH	PUSHBUTTON PROVIDED	DISTANCE TO PUSHBUTTON FROM CURB (furthest of the two corners)	OMUTCD 4E.06-12 WALK INTERVAL (4-7s TYP)	OMUTCD 4E.06-07 CALCULATED PED CLEARANCE		3 fps CHECKS (OMUTCD 4E.06, 01-14)					FINAL PED TIMING			
			POSTED SPEED LIMIT	PERCEPTION/REACTIO N TIME (1s TYP)	YELLOW CHANGE APPROACH SPEED*	RED APPROACH SPEED*	DECELERATION RATE (10 fps TYP)	WIDTH OF INTERSECTION*	LENGTH OF VEHICLE (20 ft TYP)	APPROACH GRADE	YELLOW	RED	Y + R	YELLOW	RED	Y + R									P	WALK TIME	WALK TIME - YELLOW	X	Y	IS Y>=X?	ADDITIONAL WALK INTERVAL REQUIRED	FINAL WALK INTERVAL	FINAL PED CHANGE INTERVAL (FDW)
				t	V _Y	V _R	a	W	L	g	Y	R	TOTAL	Y (3-6s TYP)	R (1-6s TYP)	TOTAL																	
			MPH	SEC	MPH	MPH	FPS	FT	FT	%	SEC	SEC	SEC	SEC	SEC	SEC	FT			FT	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC		
1	SB LT	LEFT TURN	30	1	25	25	10	75	20	-4.5	3.1	1.6	4.7	3.1	2	5.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2	NB	THROUGH/RT	45	1	52	52	10	85	20	2.75	4.5	0.4	4.9	5.5	1	6.5	NB	2	46	YES	13	7	13.1	7.6	19.7	20.1	YES	N/A	7	8			
3	-	-	-	1	-	-	10	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
4	WB	THROUGH/RT	25	1	32	32	10	95	20	-5	3.8	1.4	5.2	4	1.4	5.4	WB	4	70	YES	9	7	20.0	16.0	26.3	27.0	YES	N/A	7	16			
5	NB LT	LEFT TURN	30	1	25	25	10	90	20	2.75	2.7	2.0	4.7	3.1	2	5.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
6	SB	THROUGH/RT	45	1	52	52	10	85	20	-4.5	5.5	0.4	5.9	5.5	1	6.5	SB	6	40	YES	12	7	11.4	5.9	17.3	18.4	YES	N/A	7	6			
7	-	-	-	1	-	-	10	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
8	EB	THROUGH/RT	35	1	42	42	10	96	20	0.75	4.0	0.9	4.9	4	1.4	5.4	EB	8	65	YES	11	7	18.6	14.6	25.3	25.6	YES	N/A	7	15			