

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	OMUTCD 4E.06-07	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	L	P	WALK INTERVAL (4-7s TYP)	CALCULATED PED CLEARANCE	PED CHANGE INTERVAL (FDW)	(L+P)/(3 fps) (NOTE: P=6 IF NO PUSHBUTTON)	WALK + PED CHANGE INTERVALS + YELLOW	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												= 3.5 fps WALK TIME	= 3.5 fps WALK TIME - YELLOW
			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	
1	NB LT	LEFT TURN	25	1	20	25	10	55	20	1.5	2.4	1.0	3.4	3.5	1	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	SB	THROUGH/RT	25	1	32	32	10	72	20	0.5	3.3	1.0	4.3	3.5	1	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	EB LT	LEFT TURN	25	1	20	25	10	118	20	1.5	2.4	2.8	5.2	3.5	3	6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	WB	THROUGH/RT	25	1	32	32	10	62	20	1.25	3.3	0.7	4.0	3.5	3	6.5	WB	4	37	YES	11	7	10.6	7.1	16.0	17.6	YES	N/A	7	8	-	-	-			
5	SB LT	LEFT TURN	25	1	20	25	10	52	20	0.5	2.4	1.0	3.4	3.5	1	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6	NB	THROUGH/RT	25	1	32	32	10	76	20	1.5	3.2	1.0	4.2	3.5	1	4.5	NB	6	39	YES	4	7	11.1	7.6	14.3	18.1	YES	N/A	7	8	-	-	-			
7	WB LT	LEFT TURN	25	1	20	25	10	74	20	1.25	2.4	1.6	4.0	3.5	3	6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8	EB	THROUGH/RT	25	1	32	32	10	110	20	1.5	3.2	1.8	5.0	3.5	3	6.5	EB	8	48	YES	9	7	13.7	10.2	19.0	20.7	YES	N/A	7	11	-	-	-			