

## Arlington Town Center Pedestrian Signals Evaluation

Refer to table below for descriptions of specific issues and recommended improvements

	Intersection (Owner)	Pushbuttons				Signage				Signals				
		Pedestrian Pushbutton Placement (Correct/Incorrect) <sup>1</sup>		Audible Response (Yes/No) <sup>2</sup>		Pushbutton Signage (Correct/Incorrect/Unclear) <sup>3</sup>		Sign Type (MUTCD/Old/OS/Other) <sup>4</sup>		Signal Timing: countdown phase <sup>5</sup>				
1	<b>Maple St &amp; N Grand Ave (NYSDOT)</b>	<i>Crossing Maple</i>	<i>Crossing Grand</i>	<i>Crossing Maple</i>	<i>Crossing Grand</i>	<i>Crossing Maple</i>	<i>Crossing Grand</i>	<i>Crossing Maple</i>	<i>Crossing Grand</i>		<i>Crossing Maple</i>		<i>Crossing Grand</i>	
	NW	Incorrect (a)	n/a (c, d)	No	n/a (d)	Correct	n/a (w)	MUTCD (e/f)	n/a (w)		East	West	North	South
	NE	Incorrect (a)	n/a (c, d)	No	n/a (d)	Correct	n/a (w)	MUTCD (e/f)	n/a (w)	<b>Distance</b>	45'	45'	41'	29'
	SE	Correct	n/a (c, d)	No	n/a (d)	Correct	n/a (w)	MUTCD (e/f)	n/a (w)	<b>Existing Time</b>	12s (v)	12s (c*/v)	n/a (b/c)	n/a (c)
	SW	n/a (d)	n/a (c, d)	n/a (d)	n/a (d)	n/a (w)	n/a (w)	n/a (w)	n/a (w)	<b>Recommended Time</b>	13s	13s	12s	9s
* at SW corner only														
2	<b>Maple St &amp; Raymond Ave Ext/Van Wagner Rd (NYSDOT)</b>	<i>Crossing Maple</i>	<i>Crossing Raymond</i>	<i>Crossing Maple</i>	<i>Crossing Raymond</i>	<i>Crossing Maple</i>	<i>Crossing Raymond</i>	<i>Crossing Maple</i>	<i>Crossing Raymond</i>		<i>Crossing Maple</i>		<i>Crossing Raymond</i>	
	NW	Correct (g)	Correct	No	No	Correct	Correct	MUTCD (e/f)	MUTCD (e)		East	West	North	South
	NE	Correct	Correct	No	No	Correct	Correct	MUTCD (e/f)	MUTCD (e)	<b>Distance</b>	42'	45'	40'	55'
	SE	Correct	Correct	No	No	Correct	Correct	MUTCD (e/f)	MUTCD (e)	<b>Existing Time</b>	12s	12s (v)	12s	12s (v)
	SW	Incorrect (h)	Correct	Yes	Yes	Incorrect (h)	Correct	MUTCD (e/f)	MUTCD	<b>Recommended Time</b>	12s	13s	12s	16s
3	<b>Maple St &amp; Taft Ave (NYSDOT)</b>	<i>Crossing Maple</i>	<i>Crossing Taft</i>	<i>Crossing Maple</i>	<i>Crossing Taft</i>	<i>Crossing Maple</i>	<i>Crossing Taft</i>	<i>Crossing Maple</i>	<i>Crossing Taft</i>		<i>Crossing Maple</i>		<i>Crossing Taft</i>	
	NW	Incorrect (j)	Incorrect (j)	No	No	Correct	Correct	MUTCD (e/f)	MUTCD (e)		East	West	North	South
	NE	Incorrect (j)	Incorrect (j)	No	No	Correct	Correct	MUTCD (e/f)	MUTCD (e)	<b>Distance</b>	77'	89'	61'	65'
	SE	Incorrect (j)	Incorrect (j)	No	No	Correct	Correct	MUTCD (e/f)	MUTCD (e)	<b>Existing Time</b>	12s (v)	12s (v)	12s (v)	12s (k/v)
	SW	Correct	Correct	No	Yes	Correct	Correct	MUTCD (e/f)	MUTCD (e)	<b>Recommended Time</b>	22s	26s	18s	19s
4	<b>Main St &amp; Taft Ave/Fairmont Ave (NYSDOT)</b>	<i>Crossing Main</i>	<i>Crossing Taft/Fairmont</i>	<i>Crossing Main</i>	<i>Crossing Taft/Fairmont</i>	<i>Crossing Main</i>	<i>Crossing Taft/Fairmont</i>	<i>Crossing Main</i>	<i>Crossing Taft/Fairmont</i>		<i>Crossing Main</i>		<i>Crossing Taft/Fairmont</i>	
	NW	Incorrect (j)	Incorrect (j)	No	No	Correct	Correct	OS + Oth	OS + Oth		East	West	North	South
	NE	Incorrect (j)	Incorrect (j)	No	No	Unclear (l)	Unclear (l)	OS	OS	<b>Distance</b>	62'	59'	66'	45'
	SE	Incorrect (j)	Incorrect (j)	No	No	Correct	Correct	OS + Oth (m)	OS + Oth	<b>Existing Time</b>	12s (v)	12s (v)	12s (v)	12s (v)
	SW	Incorrect (j)	Incorrect (j)	No	No	Unclear (l)	Unclear (l)	OS	OS	<b>Recommended Time</b>	18s	17s	19s	13s
5	<b>Haight Ave &amp; Fairmont Ave (NYSDOT)</b>	<i>Crossing Haight</i>	<i>Crossing Fairmont</i>	<i>Crossing Haight</i>	<i>Crossing Fairmont</i>	<i>Crossing Haight</i>	<i>Crossing Fairmont</i>	<i>Crossing Haight</i>	<i>Crossing Fairmont</i>		<i>Crossing Haight</i>		<i>Crossing Fairmont</i>	
	NW	Incorrect (j)	Incorrect (j)	No	No	Unclear (l)	Unclear (l)	Old	Old		East	West	North	South
	NE	Incorrect (p)	Correct (o)	No	No	Unclear (l)	Unclear (l)	Old	Old	<b>Distance</b>	49'	44'	40'	47'
	SE	Incorrect (p)	Correct	No	No	Unclear (l)	Unclear (l)	Old	Old	<b>Existing Time</b>	12s (v)	12s (v)	12s	12s (v)
	SW	Incorrect (p)	Incorrect (n)	No	No	Correct	Correct	Old + Oth (f)	Old + Oth (f)	<b>Recommended Time</b>	14s	13s	12s	14s
6	<b>Haight Ave &amp; Raymond Ave (NYSDOT)</b>	<i>Crossing Haight</i>	<i>Crossing Raymond</i>	<i>Crossing Haight</i>	<i>Crossing Raymond</i>	<i>Crossing Haight</i>	<i>Crossing Raymond</i>	<i>Crossing Haight</i>	<i>Crossing Raymond</i>		<i>Crossing Haight</i>		<i>Crossing Raymond</i>	
	NW	Incorrect (j)	Incorrect (a)	No	No	Unclear (l)	Unclear (l)	Old	OS		East	West	North	South
	NE	Incorrect (j, r)	Incorrect (a)	No	No	Unclear (q)	Unclear (l)	MUTCD (q)	OS	<b>Distance</b>	42'	41'	47'	57'
	SE	Incorrect (j)	Incorrect (a)	No	No	Unclear (l)	Unclear (l)	MUTCD (q)	MUTCD (q)	<b>Existing Time</b>	12s	12s	12s (v)	12s (v)
	SW	Incorrect (j, n)	Incorrect (a)	No	No	Unclear (l)	Unclear (l)	OS	OS	<b>Recommended Time</b>	12s	12s	14s	17s
7	<b>Main St &amp; Raymond Ave (NYSDOT)</b>	<i>Crossing Main</i>	<i>Crossing Raymond</i>	<i>Crossing Main</i>	<i>Crossing Raymond</i>	<i>Crossing Main</i>	<i>Crossing Raymond</i>	<i>Crossing Main</i>	<i>Crossing Raymond</i>		<i>Crossing Main</i>		<i>Crossing Raymond</i>	
	NW	Correct	Incorrect (s)	Yes	No	Correct	Correct (s)	MUTCD	Old		East	West	North	South
	NE	Correct	Correct	No	Yes	Correct	Correct	Old	MUTCD	<b>Distance</b>	37'	31'	57'	43'
	SE	Correct	Correct	No	No	Correct	Correct	OS	Old	<b>Existing Time</b>	19s	19s	19s	19s
	SW	Correct	Incorrect (t)	No	Yes	Correct	Correct (t)	OS	Old (u)	<b>Recommended Time</b>	11s	9s	14s	13s
8	<b>Main St &amp; Grand Ave (Dutchess County)</b>	<i>Crossing Main</i>	<i>Crossing Grand</i>	<i>Crossing Main</i>	<i>Crossing Grand</i>	<i>Crossing Main</i>	<i>Crossing Grand</i>	<i>Crossing Main</i>	<i>Crossing Grand</i>		<i>Crossing Main</i>		<i>Crossing Grand</i>	
	NW	n/a (d)	n/a (d)	n/a (d)	n/a (d)	n/a (w)	n/a (w)	n/a (w)	n/a (w)		East	West	North	South
	NE	n/a (d)	n/a (d)	n/a (d)	n/a (d)	n/a (w)	n/a (w)	n/a (w)	n/a (w)	<b>Distance</b>	44'	40' **	38'	45'
	SE	n/a (d)	n/a (d)	n/a (d)	n/a (d)	n/a (w)	n/a (w)	n/a (w)	n/a (w)	<b>Existing Time</b>	n/a (c)	n/a (b/c)	n/a (c)	n/a (c)
	SW	n/a (d)	n/a (d)	n/a (d)	n/a (d)	n/a (w)	n/a (w)	n/a (w)	n/a (w)	<b>Recommended Time</b>	13s	12s	11s	13s
										** Crosswalk does not currently exist. Measurement based on potential future crosswalk (shortest path).				
References: Federal Highway Administration's Manual on Uniform Traffic Control Devices (MUTCD), available online at <a href="http://mutcd.fhwa.dot.gov">http://mutcd.fhwa.dot.gov</a> .		<sup>1</sup> Correct = Pushbutton face is accessible and parallel to the crosswalk to be used, per MUTCD Section 4E.08.		<sup>2</sup> Yes = Pushbutton beeps when depressed.		<sup>3</sup> Correct = sign instructions correspond to pushbutton		<sup>4</sup> MUTCD = Unless otherwise indicated, sign type is R10-3e (see Figure 2B-26 of the current MUTCD, available online at <a href="http://mutcd.fhwa.dot.gov/htm/2009/part2/fig2b_26_1_longdesc.htm">http://mutcd.fhwa.dot.gov/htm/2009/part2/fig2b_26_1_longdesc.htm</a> ). Old = Outdated/Old sign (without arrow/street name unless otherwise noted) OS = Outdated/Old and Small sign (without arrow/street name unless otherwise noted) Oth = Additional pedestrian crossing sign ("Push Button to Cross XX")		<sup>5</sup> Recommended time is based on a walking speed of 3.5 ft/second, per MUTCD guidance (see Section 4E.06).				

	Issue	Recommended Improvements	Issue Type
a	Pedestrian pushbutton faces crosswalk and is located behind sidewalk	Realign pushbutton face & sign to be parallel to the crosswalk; move pushbutton to an accessible location within 6 feet of curb.	Pushbutton
b	No marked crosswalk	Add marked crosswalk	Crosswalk
c	No pedestrian signal (at corresponding corner)	Install pedestrian signal (at corresponding corner)	Signal
d	No pushbutton	Install pushbutton	Pushbutton
e	No arrow on sign; street name used instead	Replace with correct signage (see MUTCD)	Signage
f	Inconsistency between street name on crossing sign ("Arterial") and street sign ("Maple"/"Haight")	Replace with name used on street sign	Signage
g	Pushbutton broken- does not depress	Replace pushbutton	Pushbutton
h	Pushbutton and sign point diagonally- direct pedestrians into intersection	Realign pushbutton & sign to be parallel to the crosswalk	Pushbutton/Signage
i	Countdown on signal not working (at corresponding corner)	Fix pedestrian signal (at corresponding corner)	Signal
j	Pushbuttons switched (currently perpendicular to the crosswalk, instead of parallel)	Replace pushbuttons (and corresponding sign) so that pushbuttons & sign are parallel to the crosswalk	Pushbutton
k	Pedestrian signal blocked by tree (cannot be seen from opposite corner)	Trim/maintain tree foliage	Signal
l	Signage gives no indication of which button corresponds to which crosswalk	Replace with correct signage (see MUTCD)	Signage
m	Sign poorly attached	Attach sign securely	Signage
n	Pushbutton does not appear to work	Fix pushbutton so that it activates the corresponding pedestrian signal	Pushbutton
o	Poor signal pole location (difficult to see from north)	Move signal pole closer to corner	Signal
p	Pushbutton activates crossing phase for both crosswalks at corner	Fix pushbuttons so they activate the correct pedestrian signals	Signal
q	Arrow on sign is incorrect	Replace with correct signage (see MUTCD)	Signage
r	Pushbutton working, but in poor condition	Repair/replace pushbutton	Pushbutton
s	Pushbutton located at correct crosswalk, but faces crosswalk	Re-install pushbutton/sign to be parallel to crosswalk	Pushbutton/Signage
t	Pushbutton located at correct crosswalk, but faces sidewalk	Re-install pushbutton/sign to be parallel to crosswalk	Pushbutton/Signage
u	Inconsistency between street name on crossing sign ("Route 376") and street sign ("Raymond Ave")	Replace with name used on street sign	Signage
v	Insufficient time to cross street (during countdown phase )	Increase crossing time during countdown phase (see Recommended Time in table above)	Signal
w	No signage	Install signage (see MUTCD)	Signage