

ATTACHMENT 1 - CALCULATING PEDESTRIAN DELAY

Tremont Street Signal Analysis Summary
 Southwest Corridor Extension Project
 Boston, MA

Intersection: Cambridge Street at Tremont Street/Court Street

Study Period: AM Peak Hour

		Existing					Selected Alternative				
Vehicle Operations	Movement	LOS	Delay	V/C	50th Queue	95th Queue	LOS	Delay	V/C	50th Queue	95th Queue
	WB L	C	31.4	0.73	236	275	B	11.2	0.63	121	182
	R	D	49.3	0.86	247	361	B	10.1	0.53	85	136
	SB T	D	51.2	0.82	210	#368	B	12.4	0.35	105	14
	Overall	D	41.8	0.53			B	11.3	0.39		
Signal Phasing											
Phase Split Time		XX			XX		XX			XX	
Total Cycle Length		XXX					XXX				
Tremont Street Configuration		Thru	Thru				Bike	Thru	Thru	Thru	
Tremont St Conflicting Vehicle Volume				n/a					n/a		
Pedestrian % of Cycle	Crosswalk	Pedestrian Crossing Time (s)	Pedestrian Waiting Time (s)	Ped % Walk Time			Pedestrian Crossing Time (s)	Pedestrian Waiting Time (s)	Ped % Walk Time		
	Northern	25	85	22.7%			38	72	34.5%		
	Southern	25	85	22.7%			38	72	34.5%		
	Eastern	52	58	47.3%			38	72	34.5%		