

Appendix D-3  
Short-Term Alternatives Evaluation Matrix

Factors	Measures	Do Nothing	Option 1: SB Lefts from Weston directed into TTC R.O.W	Option 2: EB Traffic allowed to shift into TTC R.O.W past island east of Keele	Option 3A: T and RT lanes at Keele; lane directed into TTC R.O.W east of Keele	Option 3B: Two Through lanes at Keele; no island east of Keele; left lane directed into TTC R.O.W east of Keele; EB Left prohibited at Keele	Option 4: Shift TTC platform to east of Old Weston; allow left/through use of platform lane; allow auto use of TTC R.O.W west of Old Weston	Option 5: Shared westbound transit lane east of Weston Road; Extends to left turn lane at intersection	Option 6: Shared westbound transit lane east of Weston Road; Terminates before intersection	Option 7: Shared Westbound Transit Lane East of Weston Road/Keele Street; Centre Through Lane Transitions to Exclusive Left Turn Lane												
Transportation Operations Impact	Overall Delay (seconds)	○	◐	◑	◒	◓	◔	◕	◖	◗												
	Keele/Weston (AM,PM)	(79,50)	(60,50)	(60,51)	(41,39)	(38,37)	(56,47)	(41,36)	(56,47)													
	Old Weston (AM,PM)	(43,30)	(31,30)	(30,30)	(31,32)	(32,33)	(37,65)	(37,61)	(37,65)													
	Queue Length (metres)	○	◐	◑	◒	◓	◔	◕	◖	◗												
	Peak Summaries for:																					
	WB @ Old Weston	WB	50 <sup>th</sup> 85.4 95 <sup>th</sup> 123	PM 49.7 93.4	WB	50 <sup>th</sup> 102.1 95 <sup>th</sup> 144.8	PM 46 77	WB	50 <sup>th</sup> 102.1 95 <sup>th</sup> 144.7	PM 46 77	WB	50 <sup>th</sup> 102.1 95 <sup>th</sup> 144.8	PM 46 77	WB	50 <sup>th</sup> 102.1 95 <sup>th</sup> 144.8	PM 46 77	WB	50 <sup>th</sup> 69.1 95 <sup>th</sup> 100.5	PM 92.3 127.2	WB	50 <sup>th</sup> 69.1 95 <sup>th</sup> 100.5	PM 92.3 127.2
	EBT @ Keele/Weston	EBT	50 <sup>th</sup> 169.2 95 <sup>th</sup> 238.8	PM 97.1 156.1	EBT	50 <sup>th</sup> 131.8 95 <sup>th</sup> 225.1	PM 111.4 179.6	EBT	50 <sup>th</sup> 71.2 95 <sup>th</sup> 95.6	PM 53.4 72.1	EBT	50 <sup>th</sup> 64.2 95 <sup>th</sup> 87.9	PM 49.6 67.1	EBT	50 <sup>th</sup> 131.8 95 <sup>th</sup> 213	PM 111.4 179.6	EBT	50 <sup>th</sup> 132.9 95 <sup>th</sup> 188.6	PM 93.9 136.1	EBT	50 <sup>th</sup> 131.8 95 <sup>th</sup> 213	PM 111.4 179.6
	NBT @ Keele/Weston	NBT	50 <sup>th</sup> 110.8 95 <sup>th</sup> 151	PM 70.9 118.7	NBT	50 <sup>th</sup> 91 95 <sup>th</sup> 111.1	PM 59.2 97.1	NBT	50 <sup>th</sup> 91 95 <sup>th</sup> 111.1	PM 59.2 97.1	NBT	50 <sup>th</sup> 91 95 <sup>th</sup> 111.1	PM 59.2 97.1	NBT	50 <sup>th</sup> 91 95 <sup>th</sup> 111.1	PM 59.2 97.1	NBT	50 <sup>th</sup> 91 95 <sup>th</sup> 111.1	PM 60 99.2	NBT	50 <sup>th</sup> 91 95 <sup>th</sup> 111.1	PM 59.2 97.1
	SBL @ Keele/Weston	SBL	50 <sup>th</sup> 59.4 95 <sup>th</sup> 110.6	PM 50.6 103.8	SBL	50 <sup>th</sup> 81.1 95 <sup>th</sup> 141.8	PM 62.2 122.6	SBL	50 <sup>th</sup> 63.9 95 <sup>th</sup> 142.7	PM 22.7 124	SBL	50 <sup>th</sup> 63.4 95 <sup>th</sup> 123.8	PM 34.1 115.1	SBL	50 <sup>th</sup> 63.9 95 <sup>th</sup> 123.8	PM 22.7 115.1	SBL	50 <sup>th</sup> 63.9 95 <sup>th</sup> 123.8	PM 27.1 116.6	SBL	50 <sup>th</sup> 63.9 95 <sup>th</sup> 123.8	PM 22.7 116.6
	Transit Operations Impact	●	◐	◑	◒	◓	◔	◕	◖	◗	◘											
No change: transit times remain unchanged	Transit operations may vary depending on eastbound vehicle metred queue lengths at Old Weston	Transit operations may vary depending on eastbound vehicle metred queue lengths at Old Weston	Transit operations may vary depending on eastbound vehicle metred queue lengths at Old Weston	Transit operations may vary depending on eastbound vehicle metred queue lengths at Old Weston	Transit operations may vary depending on eastbound vehicle metred queue lengths at Old Weston	Transit operations may vary depending on eastbound vehicle metred queue lengths at Old Weston	Transit operations may vary depending on westbound vehicle metred queue lengths at Keele St./Weston Rd	Transit operations may vary depending on westbound vehicle metred queue lengths at Keele St./Weston Rd	Transit operations may vary depending on westbound vehicle metred queue lengths at Keele St./Weston Rd	Transit operations may vary depending on westbound vehicle metred queue lengths at Keele St./Weston Rd												
Transit operations unlikely to be delayed	Transit operations unlikely to be delayed	Transit operations unlikely to be delayed	Transit operations unlikely to be delayed	Transit operations unlikely to be delayed	Transit operations unlikely to be delayed	Transit operations unlikely to be delayed	Transit operations likely to be delayed by vehicles in shared lane should westbound queues exceed 51m	Transit operations unlikely to be delayed	Transit operations unlikely to be delayed	Transit operations likely to be delayed by vehicles in shared lane should westbound queues exceed 51m												
Transit must yield to eastbound through traffic and are subject to waiting for gaps to merge onto shared lane								Transit subject to possible delays due to shared lane with left turn movements														
Possible increase in transit delay of up to one green cycle due to improvement of vehicle traffic																						
Safety	Potential for collisions	●	◐	◑	◒	◓	◔	◕	◖	◗												
	Number of conflict points	No changes from existing conditions	1 conflict point: Vehicles merging into shared lane	1 conflict point: Vehicles merging into shared lane	1 conflict point: Streetcar merging into shared lane	1 conflict point: Streetcar merging into shared lane	2 conflict points: Streetcar merging into shared lane	2 conflict points: Streetcar merging into shared lane	2 conflict points: Streetcar merging into shared lane	1 conflict point: Vehicles merging into shared lane												
	Visibility	No changes from existing conditions			Increases driver reliance on lane lines which is limited in low light / rain / snow conditions	Increases driver reliance on lane lines which is limited in low light / rain / snow conditions		Permissive WBL movement shared with transit	Permissive WBL movement shared with transit	Concern about ability to ensure through vehicles exit streetcar lane												
Cost/Practicality	Construction to Implement Alternative	●	◐	◑	◒	◓	◔	◕	◖	◗												
	Magnitude of construction	No work required	Remove barrier curb along the length of the lane	Remove barrier curb along the length of the lane South sidewalk realignment	Island modification Remove barrier curb Lane signage	Removal of island Remove barrier curb Lane signage South sidewalk realignment	Platform relocation and intersection reconfiguration	Remove barrier curb Lane signage	Remove barrier curb													
	Compatibility with short-term objectives	No Work required	Subject to Schedule A+ EA	Subject to Schedule A+ EA	Subject to Schedule A+ EA	Subject to Schedule A+ EA	Requires additional consideration by the TTC with regards to the relocation of the stop	Subject to Schedule A+ EA	Subject to Schedule A+ EA	Subject to Schedule A+ EA												
			Can be commenced pending approvals, detailed design process and funding allocation	Can be commenced pending approvals, detailed design process and funding allocation	Can be commenced pending approvals, detailed design process and funding allocation	Can be commenced pending approvals, detailed design process and funding allocation	Can be commenced pending approvals, detailed design process and funding allocation	Can be commenced pending approvals, detailed design process and funding allocation	Can be commenced pending approvals, detailed design process and funding allocation	Can be commenced pending approvals, detailed design process and funding allocation												

Potential to cause complications before Weston Road/Keele Street due to Through traffic needing to merge out of left turn lane. Agreed to be removed from discussion in TAC #2