



Appendix E

Turnbacks and Maintenance Facilities Matrix



	Cost	Transportation Effectiveness	Community Impact	Incompatible With:
Maintenance Facility				
1 Western Abutment	Does not require any structural work to shelter vehicles	Daily pull out/in does not conflict with existing vehicle movements	De Minimis; completely shielded by existing concrete curtain walls from adjacent commercial/industrial uses	Western Termini: 2, 3, 4
2 Starburst Intersection	Requires acquisition of multiple privately owned commercial parcels on high-visibility corner	Places maintenance facility on a corner of a congested intersection impacting through traffic and streetcar operations	Eliminates redevelopment of important commercial corner in the middle of the corridor	Eastern Termini: 2, 4
3 Spingarn High School	Would require substantial track work and construction of maintenance building	Requires vehicle movement across major commuting corridor; complicating traffic operations during AM and PM peak	Occupies green space adjacent to Langston Golf Course	
Western Termini				
1 Bridge Surface Route	Requires reconstruction or reinforcement of H St Bridge due and Union Station parking deck	Would provide a direct but circuitous route to Union Station and Metro	De Minimis; completely enclosed in existing parking structure	Maintenance Facility: 1
2 2nd St South of H St	2-track portal through H St Bridge	Extremely limited connection to Union Station	Minimal impact on adjacent commercial land uses	Maintenance Facility: 1
3 2nd St North of H St	2-track portal through H St Bridge	Extremely limited connection to Union Station	Minimal impact on adjacent commercial land uses	Maintenance Facility: 1
4 Loop on 2nd St, G St, and 3rd St	Structural work for 1 track portal through H St Bridge	Extremely limited connection to Union Station	Require trackwork and operations on narrow residential streets	Maintenance Facility: 1
5 Loop on 2nd St, I St, and 3rd St	Structural work for 1 track portal through H St Bridge	Extremely limited connection to Union Station	Require trackwork and operations on narrow residential streets	Maintenance Facility: 1
6 1st NE and H St Underpass	Structure work for 2-track portal and fire suppression in H St Underpass	Direct connection to Union Station and Metrorail	De Minimis; completely enclosed by Amtrak facilities	
Eastern Termini				
1 Benning Rd Median	Minimal cost for additional track work	Completely within median of Benning Rd; would not reduce roadway capacity	De Minimis	
2 Starburst Intersection	Requires acquisition of multiple privately owned commercial parcels on high-visibility corner	Requires vehicle movements across Benning Rd; would cause additional congestion by lengthening light cycles; would not serve Benning Rd	Prevents redevelopment of high-visibility commercial corner	Maintenance Facility: 3
3 Starburst Loop	Substantial track work	Does not serve Benning Rd	Routes streetcars through residential neighborhoods	Maintenance Facility: 3
4 Spingarn High School	Substantial trackwork	Requires vehicle movements across Benning Rd; would cause additional congestion by lengthening light cycles	Occupies green space adjacent to Langston Golf Course	

	FULLY Meets the requirements
	MODERATELY Meets the requirements
	RESTRICTED usage. Cannot meet requirements