





				Park West to Heuston Station			
				Sarsfield Road Bridge (UBC4)			
Requirements				-Four tracks -OHLE in northern tracks -Electrical clearance for electrification -Keep current functionality of roads -Bridge Design Requirements (Standards)			
Baseline intervention (not subject to				Intervention	Assessment		
Options Level 1 (PC 2)	Option 0: Do Nothing	Engineering	Feasibility Constructability Geometrical fitness for intervention Safety Requirements Four tracking Park West-Heuston Electrification of DART+ tracks Vertical electrical clearance in structures Bridge Design Requirements (Standards) Keep current functionality of roads	Leave As Is		Fail	Four Tracking Project Requirement not achieved. Electrification Project Requirement not achieved. Overhead Electrical Clearance Requirement not achieved.
		Economy Environment	Investment guidelines and programme for DART+				Compatible with the investment guidelines and programme for DART+ No impact on Environmental sites of National of International signifiacne.
	Option 1: Do Minimum	Engineering	Feasibility Constructability Geometrical fitness for intervention Safety Requirements Four tracking Park West-Heuston Electrification of DART+ tracks Vertical electrical clearance in structures Bridge Design Requirements (Standards) Keep current functionality of roads	Four Tracking Electrification Use the existing 3 no. tracks on the existing bridge and provide 1 no. additional track on a new bridge on south side.		Fail	This Option is not compatible with Perway design constraints.
	Economy Environment	Investment guidelines and programme for DART+					Compatible with the investment guidelines and programme for DART+ No impact on Environmental sites of National of International signifiacne.
	Option 2	Engineering	Feasibility Constructability Geometrical fitness for intervention Safety Requirements Four tracking Park West-Heuston Electrification of DART+ tracks Vertical electrical clearance in structures Bridge Design Requirements (Standards) Keep current functionality of roads	Four Tracking Electrification Replace the existing bridge with 2 no. new decks capable of carrying 4 no. tracks. Existing road width is not increased.		Pass	
	Economy Environment	Investment guidelines and programme for DART+					Compatible with the investment guidelines and programme for DART+ No impact on Environmental sites of National of International signifiacne.

	Option 3	Engineering Economy Environment	<p>Feasibility Constructability Geometrical fitness for intervention Safety</p> <p>Four tracking Park West-Heuston Electrification of DART+ tracks</p> <p>Requirements Vertical electrical clearance in structures Bridge Design Requirements (Standards) Keep current functionality of roads</p> <p>Investment guidelines and programme for DART+</p>	<p>Four Tracking Electrification</p> <p>Existing bridge is retained (width of 3 no. tracks) and receives 300mm of ballast.</p> <p>New bridge carrying 2 no. new tracks constructed on south side.</p>		<p>Fail</p>	<p>The existing bridge is not suitable to receive a 300mm depth of ballast.</p> <p>Compatible with the investment guidelines and programme for DART+ No impact on Environmental sites of National or International significance.</p>
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