




					Conyngham Road			
					Conyngham Road			
					Requirements			
					-OHLE to be installed. -Electrical clearance for electrification -Safe rolling stock passing clearances -Compliant road design. -Track alignment and drainage requirements (standards)			
Baseline intervention (not subject to options)					Intervention		Assessment	
					-	-	-	-
Options Level 1 (PC1)	Option 0: Do Nothing	Engineering	<b>Feasibility</b> Geometrical fitness for intervention Safety <b>Requirements</b> OHLE to be installed. Electrical clearance for electrification Safe rolling stock passing clearances Compliant road design Track alignment and drainage (standards)	Constructability Geometrical fitness for intervention Safety OHLE to be installed. Electrical clearance for electrification Safe rolling stock passing clearances Compliant road design Track alignment and drainage (standards) Investment guidelines and programme for DART+	Leave as is		<b>Fall</b> The vertical clearance between rail and bridge soffit is as low as 4.2m. This vertical clearance will not provide enough clearance for the installation of the OHLE equipment	
	Option 1: Do Minimum	Engineering	<b>Feasibility</b> Geometrical fitness for intervention Safety <b>Requirements</b> OHLE to be installed. Electrical clearance for electrification Safe rolling stock passing clearances Compliant road design Track alignment and drainage (standards)	Constructability Geometrical fitness for intervention Safety OHLE to be installed. Electrical clearance for electrification Safe rolling stock passing clearances Compliant road design Track alignment and drainage (standards) Investment guidelines and programme for DART+	Track lowering only. A track lowering of 370mm is required to fit the OHLE equipment (resulting vertical clearance of 4.566m). The OHLE equipment would be installed between the bridge beams. Derogation for OHLE is required due to reduced contact wire height.		<b>Pass</b> Risk of not being feasible, when GI available	
	Option 2	Engineering	<b>Feasibility</b> Geometrical fitness for intervention Safety <b>Requirements</b> OHLE to be installed. Electrical clearance for electrification Safe rolling stock passing clearances Compliant road design Track alignment and drainage (standards)	Constructability Geometrical fitness for intervention Safety OHLE to be installed. Electrical clearance for electrification Safe rolling stock passing clearances Compliant road design Track alignment and drainage (standards) Investment guidelines and programme for DART+	Design solution that combines Bridge Reconstruction, Road level increase and Track Lowering Derogation for OHLE is required		<b>Pass</b> No significant environmental issues	

				Phoenix Park Tunnel			
				Phoenix Park Tunnel			
				Intervention		Assessment	
Requirements				-	-	-	-
Baseline intervention (not subject to options)				-	-	-	-
Options Level 1 (PC 1)	Option 0: Do Nothing	Engineering	<p><b>Feasibility</b></p> <ul style="list-style-type: none"> <li>Constructability</li> <li>Geometrical fitness for intervention</li> <li>Safety</li> </ul> <p><b>Requirements</b></p> <ul style="list-style-type: none"> <li>OHLE to be installed.</li> <li>Electrical clearance for electrification</li> <li>Safe rolling stock passing clearances</li> <li>Track alignment and drainage (standards)</li> </ul>	Leave as is	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> </ul>	Fail	Will not provide compliance lateral clearances. Track alignment is not compliant.
	Economy	Environment	<ul style="list-style-type: none"> <li>Investment guidelines and programme for DART+</li> </ul>				
Option 1: Do Minimum	Engineering	<p><b>Feasibility</b></p> <ul style="list-style-type: none"> <li>Constructability</li> <li>Geometrical fitness for intervention</li> <li>Safety</li> </ul> <p><b>Requirements</b></p> <ul style="list-style-type: none"> <li>OHLE to be installed.</li> <li>Electrical clearance for electrification</li> <li>Safe rolling stock passing clearances</li> <li>Track alignment and drainage (standards)</li> </ul>	<p><i>New track alignment and slab track, with OHLE.</i></p> <p><i>Tunnel may require improvement works</i></p>	<ul style="list-style-type: none"> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> <li>●</li> </ul>	Pass	No significant environmental issues	
Economy	Environment	<ul style="list-style-type: none"> <li>Investment guidelines and programme for DART+</li> </ul>					