				Traction Substations Site Selection - Sifting							
						Islandbridge					
	Requirements -				-Compliance with tolerance of Power Study -Proximity to the railway -Accessibility to the public road network						
					Intervention			Assessment			
	Option 0: Do Nothing	Engineering	Provide power distribution for Feasibility Constru Compliance with tolerance of Proximity to the Accessibility to the public road	power uctability Safety of Power Study e railway	Leave As Is		Fail	Electrification of project not achieved without substations Non-compliance with the power study			
Options Level 1 (PC 2)		Economy Environment	Investment guidelines and pro					Compatible with the investment guidelines and programme for DART+ No impact on Environmental sites of National of International signifiance.			
Options Le	Option 1:	Engineering	Provide power distribution for Feasibility Constru Compliance with tolerance of Proximity to the Accessibility to the public road	power uctability Safety of Power Study e railway	Construct traction power substation	•	Pass	Feasible, but difficult OK Located within Power Study modelling tolerance Located adjacent to the proposed SLOW lines Public road immediately adjacent			
		Economy	Investment guidelines and pro fo	ogramme or DART+				Compatible with the investment guidelines and programme for DART+			
		Environment						No impact on Environmental sites of National of International signifiance.			

				Traction Substations Site Selection - Sifting						
,					Islandbridge					
	Requirements -				-Compliance with tolerance of Power Study -Proximity to the railway -Accessibility to the public road network					
					Intervention		Assessment			
	Option 2:	Engineering	Feasibility	Provide power distribution for traction power Constructability Safety Compliance with tolerance of Power Study	Construct traction power substation	•	Pass	Feasible OK Located within Power Study modelling tolerance		
el 1 (PC 2)		Economy Environment		Proximity to the railway Accessibility to the public road network Investment guidelines and programme for DART+				Located adjacent to the proposed SLOW lines Public road accessible via adjacent residential development Compatible with the investment guidelines and programme for DART+ No impact on Environmental sites of National of International signifiance.		
Options Level 1 (PC 2)	Option 3:	Engineering	Feasibility Requirements	Provide power distribution for traction power Constructability Safety Compliance with tolerance of Power Study Proximity to the railway	Construct traction power substation	• • •	Pass	Feasible OK Located within Power Study modelling tolerance Located adjacent to the proposed SLOW lines		
		Economy		Accessibility to the public road network Investment guidelines and programme for DART+				Public road accessible via adjacent residential development Compatible with the investment guidelines and programme for DART+ No impact on Environmental sites of National of International signifiance.		

						Traction Substations Site Selection - Sifting				
						Islandbridge				
	Requirements -				-Compliance with tolerance of Power Study -Proximity to the railway -Accessibility to the public road network					
				Intervention Assessment						
			P	rovide power distribution for traction	-	-	-			
	Option 4:	Engineering	Feasibility	power Constructability	Construct traction power substation	•		Feasible		
				Safety				ок		
				Compliance with tolerance of Power Study			Pass	Located within Power Study modelling tolerance		
			Requirements	Proximity to the railway				Located adjacent to the proposed SLOW lines		
			Ac	ccessibility to the public road network				Public road immediately adjacent		
2)		Economy	Ir	nvestment guidelines and programme for DART+				Compatible with the investment guidelines and programme for DART+		
el 1 (PC		Environment						No impact on Environmental sites of National of International signifiance.		
Options Level 1 (PC 2)	Option 5:	Engineering	P Feasibility	rovide power distribution for traction power Constructability Safety		•		Feasible OK		
				Compliance with tolerance of Power Study			Pass	Located within Power Study modelling tolerance		
			Requirements	Proximity to the railway	Construct traction power substation			Located adjacent to the proposed SLOW lines		
			Ac	ccessibility to the public road network				Public road accessible via adjacent residential development		
		Economy	Ir	nvestment guidelines and programme for DART+				Compatible with the investment guidelines and programme for DART+		
		Environment						No impact on Environmental sites of National of International signifiance.		