							Le Fanu-Kylemore
							Le Fanu Road Bridge (OBC7)
Baseline interver	ntion (not subject to options)	Requirements	-Four tracks -OHLE in northern tracks -Electrical clearance for electrification -Keep current functionality of roads -Bridge Design Requirements (Standards) Intervention Assessment				
Option 0: Do Nothing	Engineering Economy Environment	Feasibility Requirements	Constructability Geometrical fitness for intervention Safety Four tracking Park West-Heuston Electrification of DART+ tracks Vertical electrical clearance in structures Bridge Design Requirements (Standards) Keep current functionality of roads Investment guidelines and programme for DART+	Leave As Is			Four Tracking Project Requirement not achieved. Electrification Project Requirement not achieved. Overhead Electrical Clearance Requirement not achieved. Compatible with the investment guidelines and programme for DART+ No impact on Environmental sites of National of International signifiance
Option 1: Do Minimum	Engineering Economy Environment	Feasibility Requirements	Constructability Geometrical fitness for intervention Safety Four tracking Park West-Heuston Electrification of DART+ tracks Vertical electrical clearance in structures Bridge Design Requirements (Standards) Keep current functionality of roads Investment guidelines and programme for DART+	Four Tracking Electrification No Pway or Structural Intervention			Four Tracking Project Requirement not achieved. Electrification Project Requirement not achieved. Overhead Electrical Clearance Requirement not achieved. Compatible with the investment guidelines and programme for DART+ No impact on Environmental sites of National of International signifiance

							Le Fanu-Kylemore	
			Le Fanu Road Bridge (OBC7)					
			Requirements	-Four tracks -OHLE in northern tracks -Electrical clearance for electrific -Keep current functionality of roa -Bridge Design Requirements (Sta	ads	s)		
				Intervention			Assessment	
Baseline interver	ntion (not subject to options)			-	-	-		
	Engineering	Feasibility	Constructability Geometrical fitness for intervention Safety Four tracking Park West-Heuston Electrification of DART+ tracks	Four Tracking		Fail	There is insufficient space to provide the openings required.	
Option 2	ů ů	Requirements	Vertical electrical clearance in structures Bridge Design Requirements (Standards) Keep current functionality of roads	Electrification Additional Tracks in opening made at side of Exisiting Structure (i.e. through wingwalls).	•			
	Economy		Investment guidelines and programme for DART+				Compatible with the investment guidelines and programme for DART+	
	Environment						No impact on Environmental sites of National of International signifianc	
	Engineering Re	Feasibility	Constructability Geometrical fitness for intervention Safety		000			
		Requirements	Four tracking Park West-Heuston Electrification of DART+ tracks Vertical electrical clearance in structures Bridge Design Requirements (Standards)	Four Tracking Electrification	•	Fail		
Option 3		Keep current functiona	Keep current functionality of roads	Bridge Reconstruction Road Levels Increase ONLY to absorb vertical clearance	•		This Option would require a minimum road level increase of 1.1m. This level increase at OBC7 would require extensive works to the junctions of the north and south side. The vertical profile of the road would not be in accordance with design standards. The vertical gradients would not be in accordance with the National Cycle Manual.	
	Economy		Investment 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	

								Le Fanu-Kylemore	
				Le Fanu Road Bridge (OBC7)					
			Requirements	-Four tracks -OHLE in northern tracks s -Electrical clearance for electrification -Keep current functionality of roads -Bridge Design Requirements (Standards)					
L					Intervention			Assessment	
	Baseline interve	ntion (not subject to options)			-	-	-		
(PC 2)			Feasibility	Constructability Geometrical fitness for intervention Safety				This Option would require a minimum track lowering of 1.1m. This level of track lowering is not feasible at LeFanu Road.	
Options Level 1 (PC 2)	Option 4	Engineering	Engineering 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 Bridge Reconstruction Track Lowering ONLY to absort vertical clearance		Fail		
		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 signifiance.	
-			Feasibility	Constructability Geometrical fitness for intervention Safety		•		This Option would require a minimum track lowering of 0.2m combined with a minimum road level increase of 1.0m.	
	Option 5	Engineering	Requirements	Four tracking Park West-Heuston Electrification of DART+ tracks Vertical electrical clearance in structures Bridge Design Requirements (Standards)	Four Tracking Electrification Bridge Reconstruction Road Levels Increased to a Profile Above Which Road Departures Would be Required.	•	Pass	This Option would require a minimum track lowering of 0.2m combined	
		Economy		Keep current functionality of roads Investment guidelines and programme for DART+	Track Lowering also required.			with a minimum road level increase of 1.0m. Compatible with the investment guidelines and programme for DART+	
		Environment						No impact on Environmental sites of National of International signifiance.	

							Le Fanu-Kylemore		
			Le Fanu Road Bridge (OBC7)						
Requirements -				-Four tracks -OHLE in northern tracks ts -Electrical clearance for electrification -Keep current functionality of roads -Bridge Design Requirements (Standards)					
				Intervention			Assessment		
Baseline intervention (not subject to options)			-	-	ı				
Option 6	Engineering	Feasibility Requirements	Constructability Geometrical fitness for intervention Safety 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 Bridge Reconstruction Vertical clearance absorbed by Increased Road Levels (50%)	• • • • • •	Pass	This Option would require a minimum track lowering and road raising of 0.6m. This Option would require a minimum track lowering and road raising of 0.6m.		
	Economy		Investment guidelines and programme for DART+				Compatible with the investment guidelines and programme for DART+		
	Environment						No impact on Environmental sites of National of International signifian		

						Le Fanu-Kylemore		
			Le Fanu Road Bridge (OBC7)					
Baseline interve	ention (not subject to options)	Requirements	-Four tracks -OHLE in northern tracks -Electrical clearance for electrific -Keep current functionality of roa -Bridge Design Requirements (Sta	ads	;) -	Assessment		
Option 7	Engineering	Feasibility Geometrical fitness for intervention Safety Four tracking Park West-Heuston Electrification of DART+ tracks Vertical electrical clearance in structures Bridge Design Requirements (Standards) Requirements Keep current functionality of roads	Four Tracking Electrification Bridge Reconstruction Vertical clearance absorbed by Increased Road Levels and Track Lowering (Ontions	• • • • • •	Fail	This Option would require a minimum track lowering of 1.4m and a minimum road level increase of 0.8m. This level of track lowering is not feasible at LeFanu Road. This Option would require a minimum track lowering of 1.4m and a minimum road level increase of 0.8m.		
	Economy	Investment 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.		

			Ī				Le Fanu-Kylemore		
					Le Fanu Road Bridge (OBC7)				
	-(Requirements - -(-Four tracks -OHLE in northern tracks -Electrical clearance for electrification -Keep current functionality of roads -Bridge Design Requirements (Standards)				
Baseline interve	Baseline intervention (not subject to		Intervention			Assessment			
Eddeline interve	options)			-	-	-			
Option 8	Engineering	Feasibility Requirements	Geometrical fitness for intervention Safety 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 Remove Road Bridge and Replace with a Pedestrian Bridge / Pedestrian & Cycle Bridge			In this Option the road bridge would not be reinstated. The existing road functionality would not be maintained. Pedestrian and cyclist provision only.		
	Economy		Investment 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		

							Le Fanu-Kylemore		
							Le Fanu Road Bridge (OBC7)		
- Requirements - -				-Four tracks -OHLE in northern tracks -Electrical clearance for electrification -Keep current functionality of roads -Bridge Design Requirements (Standards) Intervention Assessment					
Baseline intervention (not subject to options)				-	ı	-	7.000		
Option 9	Engineering	Feasibility Requirements	Constructability Geometrical fitness for intervention Safety 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 Bridge Reconstruction (Truss)	• • • • • •	Fail	This Option would require a minimum track lowering and road raising of 1.73m. This level of track lowering is not feasible at LeFanu Road. This Option would require a minimum track lowering and road raising of 1.73m.		
	Economy		Investment guidelines and programme for DART+				Compatible with the investment guidelines and programme for DART+		
	Environment						No impact on Environmental sites of National of International signifian		