

				Sifting Process - Area around Memorial Road		
				Memorial Road Bridge (OBC3)		
Requirements				-Four tracks -OHLE in northern tracks -Electrical clearance for electrification -Keep current functionality of roads -Bridge Design Requirements (Standards)		
				Intervention	Assessment	
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Options Level 1 (PC 2)	Option 0: Do Nothing	Engineering	Feasibility Constructability Geometrical fitness for intervention Safety Four tracking Park West-Heuston Electrification of DART+ tracks Requirements Vertical electrical clearance in structures Bridge Design Requirements (Standards) Keep current functionality of roads Investment guidelines and programme for DART+	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 significance.
	Option 1: Do Minimum	Engineering	Feasibility Constructability Geometrical fitness for intervention Safety Four tracking Park West-Heuston Electrification of DART+ tracks Requirements 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 of Structural Intervention		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 significance.
	Option 2	Engineering	Feasibility Constructability Geometrical fitness for intervention Safety Four tracking Park West-Heuston Electrification of DART+ tracks Requirements Vertical electrical clearance in structures Bridge Design Requirements (Standards) Keep current functionality of roads Investment guidelines and programme for DART+	Four Tracking Electrification Bridge Reconstruction Road Levels Increase ONLY to achieve vertical clearance at OBC3		Fail This Option would require a minimum road level increase of 0.7m (approx.). This would require significant works to the Chapelizod Bypass.
	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 significance.	
Option 3	Engineering	Feasibility Constructability Geometrical fitness for intervention Safety Four tracking Park West-Heuston Electrification of DART+ tracks Requirements Vertical electrical clearance in structures Bridge Design Requirements (Standards) Keep current functionality of roads Investment guidelines and programme for DART+	Four Tracking Electrification Bridge Reconstruction Track Lowering ONLY to achieve vertical clearance at OBC3		Pass This Option would require a minimum track lowering of 0.7m (approx.).	
	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 significance.	
Option 4	Engineering	Feasibility Constructability Geometrical fitness for intervention Safety Four tracking Park West-Heuston Electrification of DART+ tracks Requirements Vertical electrical clearance in structures Bridge Design Requirements (Standards) Keep current functionality of roads Investment guidelines and programme for DART+	Four Tracking Electrification Bridge Reconstruction Vertical clearance achieved by Increased Road Levels (50%) and Track Lowering (50%)		Fail This Option would require a minimum track lowering of 0.35m (approx.).	
	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 significance.	

Sifting Process - Area around Memorial Road
Memorial Road Bridge (OBC3)

	<ul style="list-style-type: none"> -Four tracks -OHLE in northern tracks -Electrical clearance for electrification -Keep current functionality of roads -Bridge Design Requirements (Standards)
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	Intervention			Assessment
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Option 5	Engineering	Feasibility	Constructability Geometrical fitness for intervention Safety	Four Tracking Electrification Bridge Reconstruction Vertical clearance achieved by Increased Road Levels and Track Lowering (other than 50/50 split). Original Concept Design.	● ● ● ● ● ● ●	● ● ● ● ● ● ●	● ● ● ● ● ● ●	Fail	This Option would require a minimum track lowering of 0.2m (approx.). The Concept design provides a 4.690m clearance only.
		Requirements	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+						This Option would require a minimum road level increase of 0.4m (approx.). This would require significant works to the Chapelizod Bypass. Compatible with the investment guidelines and programme for DART+ No impact on Environmental sites of National of International significance.

Option 6	Engineering	Feasibility	Constructability Geometrical fitness for intervention Safety	Four Tracking Electrification Bridge Reconstruction Maximising Road Levels above which works to Chapelizod Bypass are required. Track levels reduced as required to achieve clearance.	● ● ● ● ● ● ●	● ● ● ● ● ● ●	● ● ● ● ● ● ●	Pass	This Option would require a minimum track lowering of 0.65m (approx.). This Option would require a road level increase limited to 50mm.
		Requirements	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+						Compatible with the investment guidelines and programme for DART+ No impact on Environmental sites of National of International significance.