

Executive Summary Figures

Figure 1 – SAR 1 Alignment Options

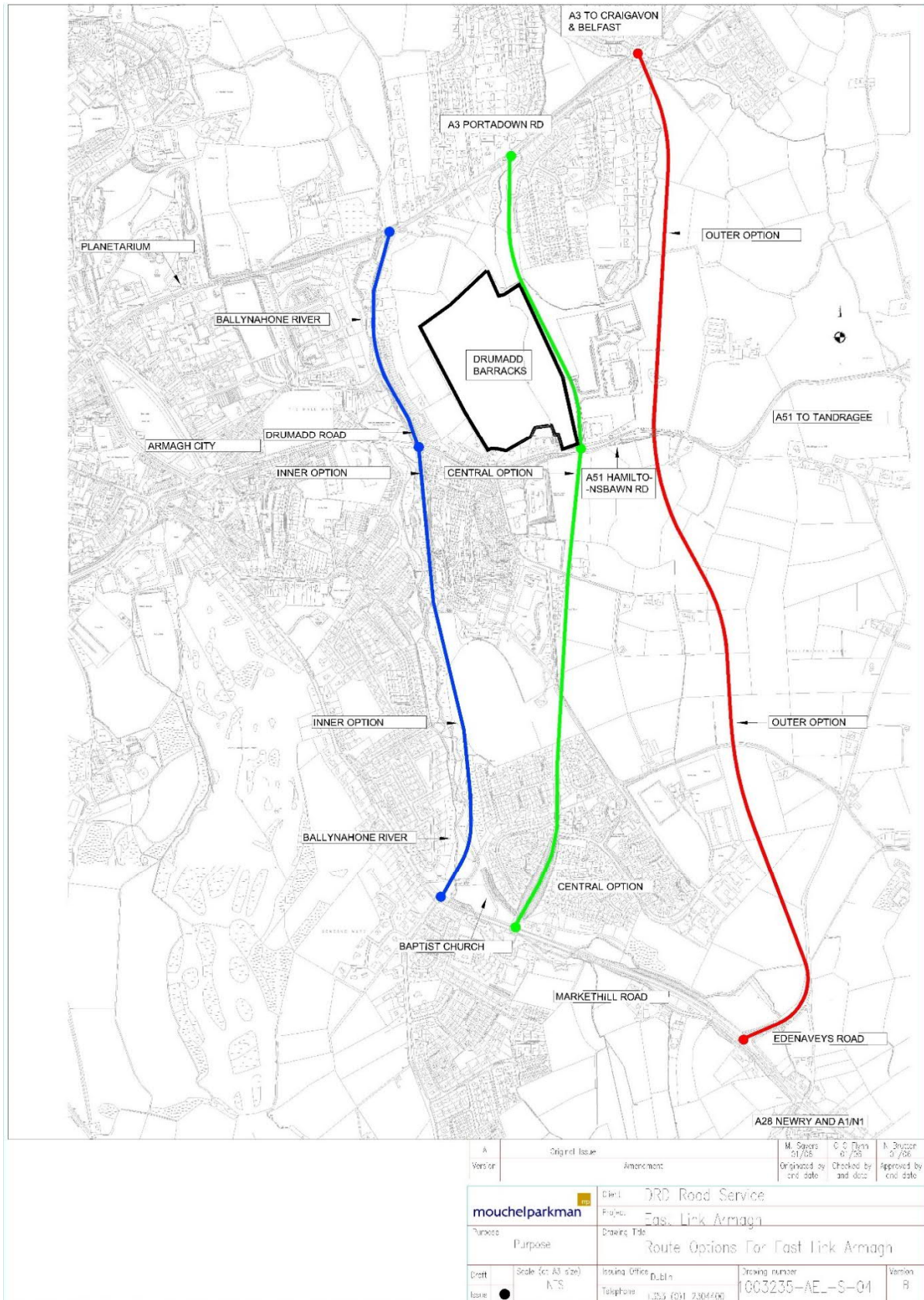
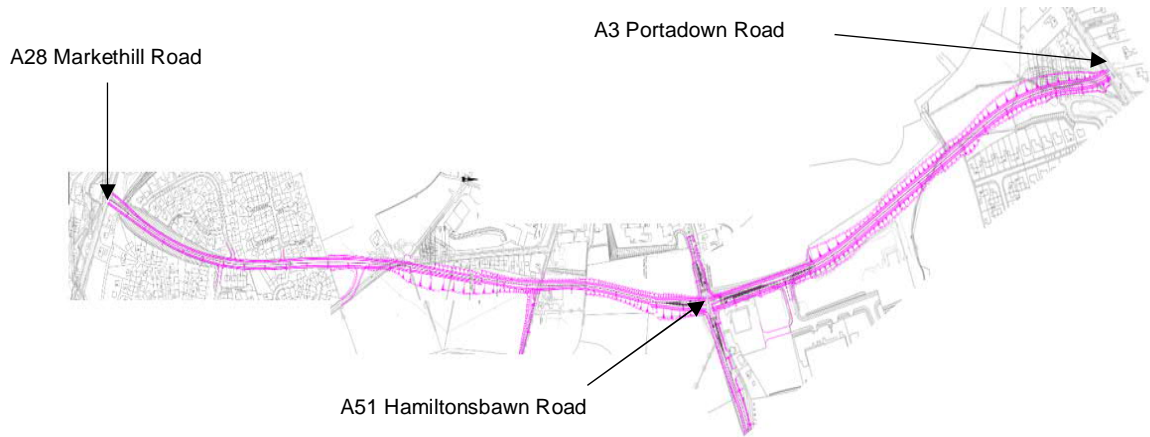


Figure 2 – 2007 SAR 2 Alignment Options

Purple Alignment Option



Red Alignment Option

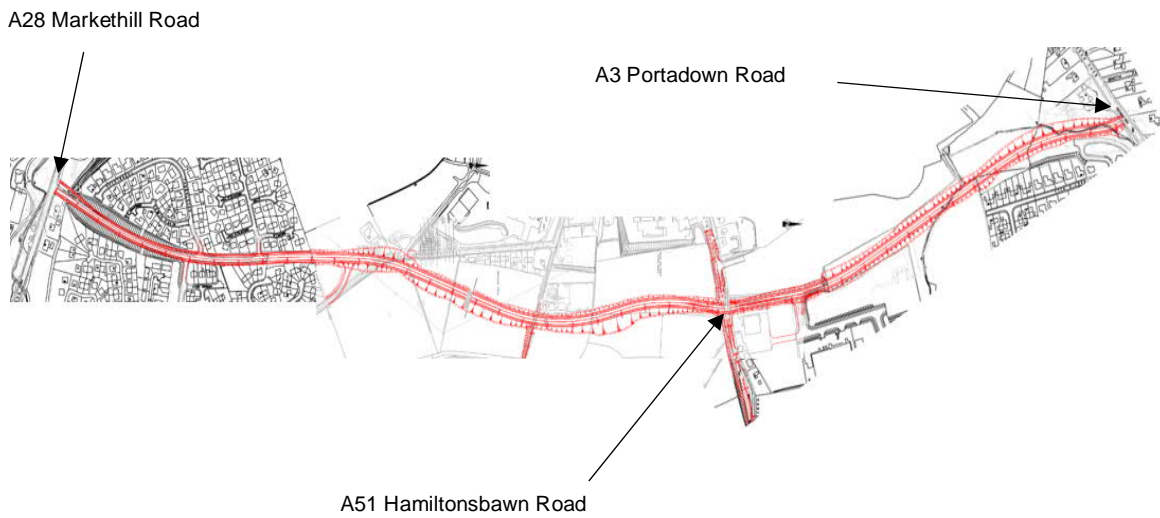


Figure 3 – 2019 SAR 2 Alignment Options and Speed Limits

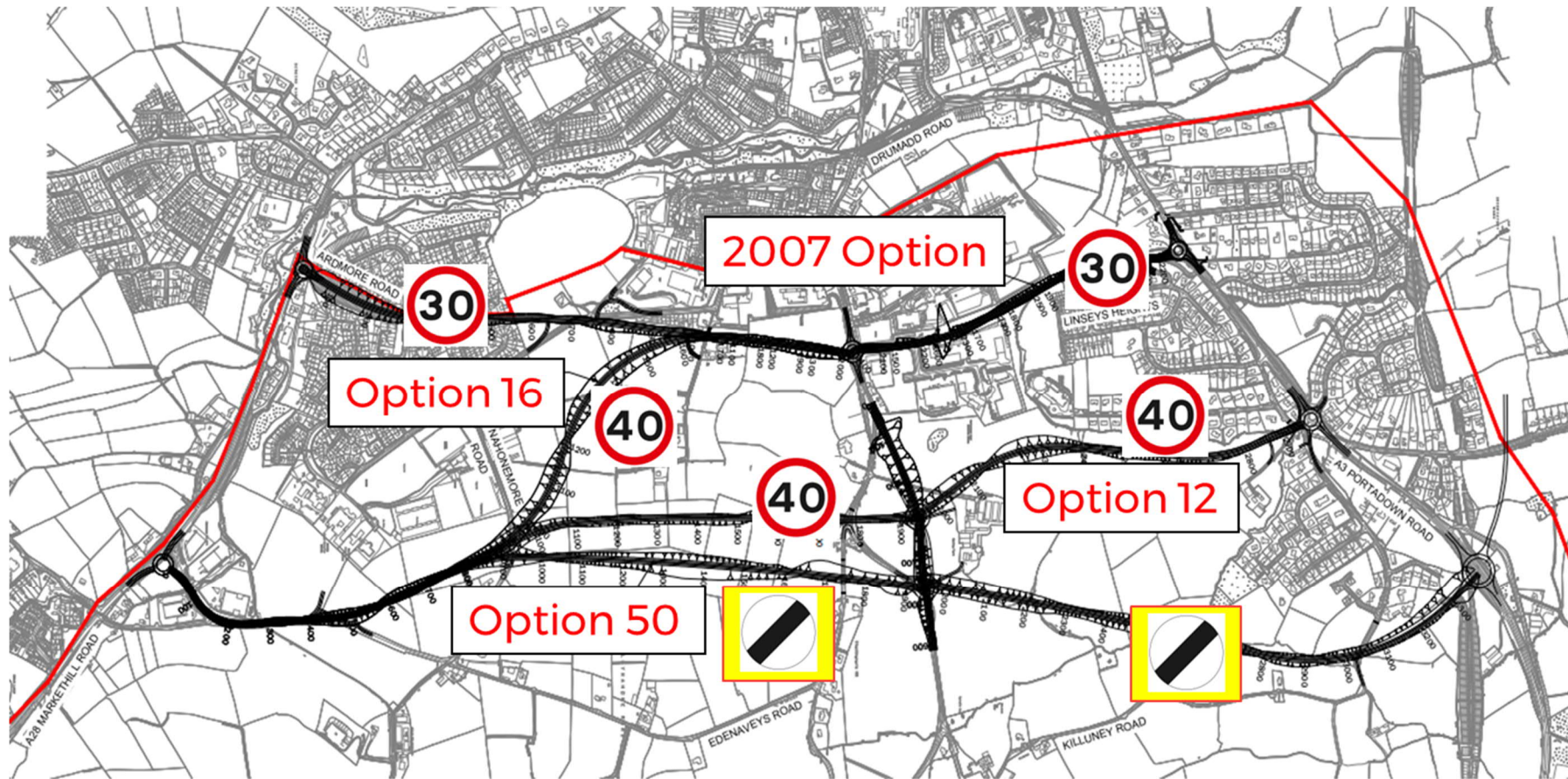


Figure 4 – Scheme Costs and Benefits

Cost Estimates

Costing Area	2007 Option	Option 12	Option 16
Option Length	2.23km	2.95km	2.86km
Route Constructed	0.55km	0.48km	0.48km
Option Length (net)	1.68km	2.47km	2.38km
Preliminaries / TM	£ 1,717,403	£ 1,792,917	£ 2,021,272
Land / Compensation	£ 2,012,612	£ 818,963	£ 2,119,346
Construction Costs	£ 7,454,430	£ 15,375,197	£ 12,697,614
Sub Total	£ 11,184,446	£ 17,987,077	£ 16,838,231
Preparation, Supervision and Design	£ 1,320,174	£ 2,421,402	£ 2,095,082
Statutory Authorities	£ 125,618	£ 185,430	£ 178,084
Sub Total	£ 12,630,238	£ 20,593,909	£ 19,111,398
Risk & OB (OB at 44%)	£ 5,880,780	£ 10,485,658	£ 9,190,490
Total	£ 18,511,018	£ 31,079,567	£ 28,301,888
Cost per km	£ 11.04m	£ 12.56m	£ 11.91m

Benefits

Analysis of Monetised Costs and Benefits	2007 Option	Option 12	Option 16
Greenhouse Gases	209	187	12
Economic Efficiency: Consumer Users (Commuting)	2,795	4,980	955
Economic Efficiency: Consumer Users (Other)	2,634	4,749	947
Economic Efficiency: Business Users and Providers	7,969	12,365	3,390
Wider Public Finances (Indirect Taxation Revenues)	-524	-481	-18
Present Value of Benefits (PVB)	13,083	21,800	5,286
Broad Transport Budget	15,558	26,268	23,834
Present Value of Costs (PVC)	15,558	26,268	23,834
OVERALL IMPACTS			
Net Present Value (NPV)	-2,475	-4,468	-18,548
Benefit to Cost Ratio (BCR)	0.841	0.830	0.222
Collision Benefits	4,580	716	1,910
Benefit to Cost Ratio (BCR) (including collision benefits)	1.135	0.857	0.302