

M3 Junction 9 Improvement

Scheme Number: TR010055

6.3 Environmental Statement Appendix 14.3 - Greenhouse Gas Benchmarking

APFP Regulation 5(2)(a)

Planning Act 2008

**Infrastructure Planning (Applications: Prescribed Forms and
Procedure) Regulations 2009**

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Infrastructure Planning

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

M3 Junction 9 Improvement
Development Consent Order 202[x]

6.3 ENVIRONMENTAL STATEMENT - APPENDIX 14.3: GREENHOUSE GAS BENCHMARKING

Regulation Number:	Regulation 5(2)(a)
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Application Document Reference:	6.3
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Version	Date	Status of Version
Rev 0	November 2022	Application Submission

Contents

Appendix 14.3: GHG Benchmarking 1

Tables

Table 14.3.1: A5 GHG benchmarking against similar schemes..... 1

Appendix 14.3: GHG Benchmarking

Table 14.3.1: A5 GHG benchmarking against similar schemes

	Project/length and width component			
	M25 J28 1.4 km Improvement scheme	M25 Junction 10/A3 11.6 km Interchange	A417 5.5 km Widening of A road	M3 J9 (this Scheme) 5.7 km Improvement scheme
Construction tCO₂e				
Product Stage (A1-A3)	11,561	28,212	40,698	25,540
Process Stage (A4-A5)	25,393	64,180	23,486	9,750
<i>Construction tCO₂e/km</i>	<i>26,396</i>	<i>7,965</i>	<i>11,670</i>	<i>6,190</i>
Operation tCO₂e				
End user emissions /annum (DS Opening Year)	834,367	218,190	209,642	3,214,777

Sources:

- A417 Missing Link TR010056 6.2 Environmental Statement Chapter 14 Climate 2021
- M25 junction 28 improvement scheme TR010029 6.1 Environmental Statement Chapter 14: Climate 2020
- M25 junction 10/A3 Wisley interchange TR010030 6.3 Environmental Statement: Chapter 15: Climate 2019