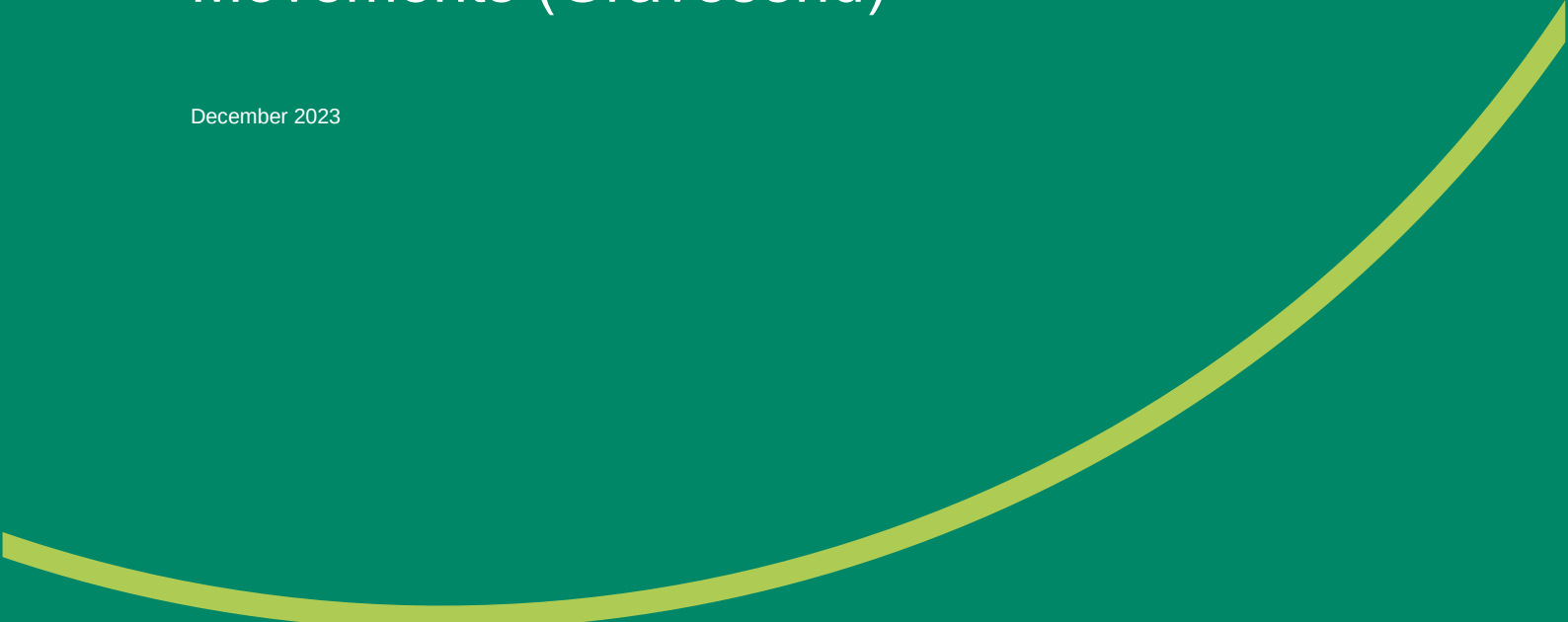


National Grid
Cable Tunnel Replacement
Project

Environmental Statement
Volume VI
Appendix 18.4 Baseline Traffic
Movements (Gravesend)

December 2023



Quality information

Prepared by		Checked by		Verified by		Approved by
CB – Principal Consultant (Traffic and Transport)		MW – Associate Technical Director (Traffic and Transport)		AP – Transportation Technical Director		HT – Principal EIA Consultant

Prepared for:

National Grid Electricity Transmission

Prepared by:

AECOM Limited
Aldgate Tower, 2 Leman Street
London, E1 8FA
United Kingdom

T: +44 20 7061 7000
aecom.com

© 2023 AECOM Limited. All Rights Reserved.

This document has been prepared by AECOM Limited (“AECOM”) for sole use of our client (the “Client”) in accordance with generally accepted consultancy principles, the budget for fees and the terms of reference agreed between AECOM and the Client. Any information provided by third parties and referred to herein has not been checked or verified by AECOM, unless otherwise expressly stated in the document. No third party may rely upon this document without the prior and express written agreement of AECOM.

Table of Contents

1	Baseline Traffic Movements (Gravesham).....	1
---	---	---

Tables

Table 1: Existing Baseline Two-Way Flows (2023)	1
Table 2: Future Baseline Two-Way Flows (2026)	3

1 Baseline Traffic Movements (Gravesend)

Table 1: Existing Baseline Two-Way Flows (2023)

Ref	Location	07:00-08:00		08:00-09:00		17:00-18:00		18:00-19:00		12hr Weekday (07:00-19:00)		24hr Daily	
		HGVs	Total Vehs	HGVs	Total Vehs	HGVs	Total Vehs	HGVs	Total Vehs	HGVs	Total Vehs	HGVs	Total Vehs
G-RL1	A2 (West)	831	10,621	927	9,571	515	11,227	447	9,029	9,855	108,004	9,633	126,568
G-RL2	M2 (East)	636	7,797	690	7,038	484	7,595	363	5,731	8,015	78,314	9,379	96,670
G-RL3	A289	327	4,586	337	4,123	136	4,362	104	3,457	3,340	43,966	3,464	49,196
G-RL4	A226 (between A289 and Peartree Lane)	47	969	37	992	21	1,118	19	822	450	10,866	456	13,090
G-RL5	A226 (between Peartree Lane and Lion Roundabout)	50	992	38	1,031	21	1,137	20	834	468	11,125	475	13,402
G-RL6	A226 (between Lion Roundabout and Ordnance Road)	41	899	41	1,097	29	1,166	26	971	498	11,511	506	13,867
G-RL7	Ordnance Road and Canal Road	47	490	52	606	20	522	28	437	593	6,982	539	6,625
G-RL8	Norfolk Road and Mark Lane	42	296	47	227	16	195	16	107	490	2,800	445	2,656
G-RL9	Thames and Medway Canal Road	1	91	1	50	0	45	0	30	12	622	10	636
G-RJ1	M2/A2/A289 Junction	909	11,309	971	10,143	564	11,521	441	9,571	10,368	114,626	10,955	135,421
G-RJ2	A289/A226 Junction	350	5,071	355	4,619	146	4,921	114	3,868	3,564	49,398	3,692	55,741

Ref	Location	07:00-08:00		08:00-09:00		17:00-18:00		18:00-19:00		12hr Weekday (07:00-19:00)		24hr Daily	
		HGVs	Total Vehs	HGVs	Total Vehs	HGVs	Total Vehs	HGVs	Total Vehs	HGVs	Total Vehs	HGVs	Total Vehs
G-RJ3	A226/ Peartree Lane Signalised Junction	51	1,087	40	1,180	23	1,294	21	956	489	12,581	497	15,157
G-RJ4	A226/ Dering Way/ Lower Higham Road/ Old Road East (Lion) Roundabout	98	2,016	70	2,464	48	2,568	42	2,189	935	25,728	949	30,995
G-RJ5	A226/Ordnance Road Signalised Junction	83	1,232	78	1,588	43	1,486	48	1,340	914	15,726	927	18,945
G-RJ6	Mark Lane/Thames and Medway Canal Road Junction	20	241	29	161	13	88	13	64	274	1,669	227	1,644

Table 2: Future Baseline Two-Way Flows (2026)

Ref	Location	07:00-08:00		08:00-09:00		17:00-18:00		18:00-19:00		12hr Weekday (07:00-19:00)		24hr Daily	
		HGVs	Total Vehs	HGVs	Total Vehs	HGVs	Total Vehs	HGVs	Total Vehs	HGVs	Total Vehs	HGVs	Total Vehs
G-RL1	A2 (West)	856	10,944	955	9,862	531	11,561	460	9,298	10,156	111,303	9,926	130,414
G-RL2	M2 (East)	656	8,045	712	7,263	499	7,833	374	5,910	8,272	80,828	9,679	99,758
G-RL3	A289	333	4,676	343	4,204	138	4,444	106	3,523	3,406	44,834	3,532	50,160
G-RL4	A226 (between A289 and Peartree Lane)	48	988	38	1,011	21	1,139	19	838	458	11,080	465	13,347
G-RL5	A226 (between Peartree Lane and Lion Roundabout)	51	1,011	39	1,051	21	1,159	20	850	477	11,344	484	13,665
G-RL6	A226 (between Lion Roundabout and Ordnance Road)	42	917	42	1,119	30	1,188	26	989	508	11,738	515	14,139
G-RL7	Ordnance Road and Canal Road	48	500	53	618	20	532	29	445	605	7,122	549	6,757
G-RL8	Norfolk Road and Mark Lane	43	301	48	231	17	199	16	109	499	2,856	454	2,709
G-RL9	Thames and Medway Canal Road	1	93	1	51	0	46	0	31	12	634	10	649
G-RJ1	M2/A2/A289 Junction	935	11,630	1,000	10,431	581	11,847	454	9,843	10,674	117,936	11,278	139,330
G-RJ2	A289/A226 Junction	357	5,170	362	4,709	149	5,014	116	3,942	3,635	50,374	3,765	56,834
G-RJ3	A226/ Peartree Lane Signalised Junction	52	1,108	41	1,203	23	1,319	21	974	499	12,830	506	15,454
G-RJ4	A226/ Dering Way/ Lower Higham Road/	100	2,055	71	2,512	49	2,617	43	2,231	954	26,236	968	31,603

Ref	Location	07:00-08:00		08:00-09:00		17:00-18:00		18:00-19:00		12hr Weekday (07:00-19:00)		24hr Daily	
		HGVs	Total Vehs	HGVs	Total Vehs	HGVs	Total Vehs	HGVs	Total Vehs	HGVs	Total Vehs	HGVs	Total Vehs
	Old Road East (Lion) Roundabout												
G-RJ5	A226/Ordnance Road Signalised Junction	85	1,256	80	1,619	44	1,514	49	1,365	932	16,037	945	19,317
G-RJ6	Mark Lane/Thames and Medway Canal Road Junction	20	246	30	164	14	90	14	65	279	1,703	232	1,677

