

National Grid
Cable Tunnel Replacement
Project

Environmental Statement
Volume VI

Appendix 10.10 Cumulative
Assessment (Tilbury)

December 2023



Quality information

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1 Cumulative Assessment

Table 1: Cumulative Assessment - Peak Construction Phase (2026) AM

Ref	Location	AM Development Peak (07:00-08:00)								AM Network Peak (08:00-09:00)							
		Baseline		Cumulative + Dev		Total		% Increase		Baseline		Cumulative + Dev		Total		% Increase	
		HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total
T-RL1	A13 West	965	5,244	48	289	1,013	5,533	4.9%	5.5%	1,030	4,680	95	197	1,125	4,877	9.2%	4.2%
T-RL2	A13 East	943	4,924	48	289	991	5,213	5.1%	5.9%	809	4,085	95	197	904	4,282	11.7%	4.8%
T-RL3	A1089 North (North of A1089/Dock Road/Thurrock Park Way Roundabout)	604	2,019	57	366	661	2,385	9.4%	18.2%	619	1,934	104	274	723	2,208	16.8%	14.2%
T-RL4	A1089 South (South of A1089/Dock Road/Thurrock Park Way Roundabout)	124	209	57	366	181	576	45.9%	175.2%	127	200	104	274	231	475	81.8%	137.0%
T-RL5	Station Approach	54	164	1	156	55	320	1.8%	95.1%	53	172	48	64	101	236	90.0%	37.2%
T-RJ1	A13/A1089 Junction	1,357	6,315	59	386	1,416	6,701	4.4%	6.1%	1,248	5,364	106	294	1,354	5,657	8.5%	5.5%
T-RJ2	A1089/Dock Road/Thurrock Park Way (ASDA) Roundabout	807	2,697	57	366	864	3,063	7.1%	13.6%	870	2,720	104	274	974	2,994	11.9%	10.1%
T-RJ3	A1089/Statio n Approach Junction	150	305	57	382	207	687	37.9%	125.5%	156	290	104	290	260	581	66.7%	100.1%

Table 2: Cumulative Assessment - Peak Construction Phase (2026) PM

Ref	Location	PM Network Peak (17:00-18:00)								PM Development Peak (18:00-19:00)							
		Baseline		Cumulative + Dev		Total		% Increase		Baseline		Cumulative + Dev		Total		% Increase	
		HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total
T-RL1	A13 West	547	7,293	99	404	646	7,697	18.0%	5.5%	457	6,102	66	510	523	6,612	14.3%	8.4%
T-RL2	A13 East	363	5,997	99	404	462	6,402	27.1%	6.7%	312	4,575	66	510	377	5,086	21.0%	11.2%
T-RL3	A1089 North (North of A1089/Dock Road/Thurrock Park Way Roundabout)	368	2,810	80	249	448	3,060	21.6%	8.9%	340	2,530	47	355	387	2,885	13.7%	14.0%
T-RL4	A1089 South (South of A1089/Dock Road/Thurrock Park Way Roundabout)	76	291	80	249	155	541	105.3%	85.7%	70	262	47	355	116	618	66.8%	135.6%
T-RL5	Station Approach	42	95	34	34	76	129	80.9%	35.7%	33	67	1	140	34	207	3.0%	210.2%
T-RJ1	A13/A1089 Junction	643	8,213	110	501	754	8,714	17.1%	6.1%	589	6,533	77	607	666	7,140	13.1%	9.3%
T-RJ2	A1089/Dock Road/Thurrock Park Way (ASDA) Roundabout	451	3,441	80	249	531	3,691	17.7%	7.2%	416	3,098	47	355	463	3,453	11.2%	11.5%
T-RJ3	A1089/Station Approach Junction	97	346	80	249	177	596	82.1%	72.0%	80	297	47	355	127	652	57.9%	119.8%

Table 3: Cumulative Assessment - Peak Construction Phase (2026) 12 hours / 24hr Daily

Ref	Location	12 Hours (07:00-19:00)								24hr Daily							
		Baseline		Cumulative + Dev		Total		% Increase		Baseline		Cumulative + Dev		Total		% Increase	
		HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total
T-RL1	A13 West	10,927	72,675	1,522	4,195	12,450	76,870	13.9%	5.8%	11,056	84,417	1,522	4,195	12,578	88,612	13.8%	5.0%
T-RL2	A13 East	8,658	61,186	1,522	4,195	10,181	65,381	17.6%	6.9%	8,559	71,364	1,522	4,195	10,081	75,559	17.8%	5.9%
T-RL3	A1089 North (North of A1089/Dock Road/Thurrock Park Way Roundabout)	7,093	28,540	1,372	3,421	8,465	31,961	19.3%	12.0%	7,108	33,552	1,372	3,421	8,479	36,973	19.3%	10.2%
T-RL4	A1089 South (South of A1089/Dock Road/Thurrock Park Way Roundabout)	1,456	2,958	1,372	3,421	2,828	6,379	94.2%	115.7%	1,459	3,477	1,372	3,421	2,831	6,898	94.0%	98.4%
T-RL5	Station Approach	720	1,841	466	1,430	1,186	3,271	64.8%	77.7%	735	2,106	466	1,430	1,201	3,536	63.4%	67.9%
T-RJ1	A13/A1089 Junction	13,445	82,036	1,730	5,259	15,175	87,295	12.9%	6.4%	13,467	95,626	1,730	5,259	15,196	100,885	12.8%	5.5%
T-RJ2	A1089/Dock Road/Thurrock Park Way (ASDA) Roundabout	8,927	35,917	1,372	3,421	10,298	39,338	15.4%	9.5%	8,945	42,225	1,372	3,421	10,317	45,646	15.3%	8.1%
T-RJ3	A1089/Station Approach Junction	1,795	3,973	1,372	4,049	3,166	8,022	76.4%	101.9%	1,787	4,637	1,372	4,049	3,159	8,686	76.7%	87.3%

