

National Grid Cable Tunnel Replacement Project

Environmental Statement Volume VI

Appendix 10.7 Preliminary Highway Impact Assessment (Tilbury)

December 2023

Quality information

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1 Preliminary Highway Impact Assessment

Table 1: Preliminary Highway Impact Assessment - Peak Construction Phase (2026) AM

Ref	Location	AM Development Peak (07:00-08:00)								AM Network Peak (08:00-09:00)							
		Baseline		Development		Total		% Increase		Baseline		Development		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	0	107	965	5,351	0.0%	2.0%	1,030	4,680	32	32	1,062	4,712	3.1%	0.7%
T-RL2	A13 East	943	4,924	0	107	943	5,031	0.0%	2.2%	809	4,085	32	32	841	4,117	4.0%	0.8%
T-RL3	A1089 North (North of A1089/Dock Road/Thurrock Park Way Roundabout)	604	2,019	0	107	604	2,126	0.0%	5.3%	619	1,934	32	32	651	1,966	5.2%	1.7%
T-RL4	A1089 South (South of A1089/Dock Road/Thurrock Park Way Roundabout)	124	209	0	107	124	316	0.0%	51.2%	127	200	32	32	159	232	25.2%	16.0%
T-RL5	Station Approach	54	164	0	107	54	271	0.0%	65.2%	53	172	32	32	85	204	60.0%	18.6%
T-RJ1	A13/A1089 Junction	1,357	6,315	0	107	1,357	6,422	0.0%	1.7%	1,248	5,364	32	32	1,280	5,396	2.6%	0.6%
T-RJ2	A1089/Dock Road/Thurrock Park Way (ASDA) Roundabout	807	2,697	0	107	807	2,804	0.0%	4.0%	870	2,720	32	32	902	2,752	3.7%	1.2%
T-RJ3	A1089/Station Approach Junction	150	305	0	107	150	412	0.0%	35.1%	156	290	32	32	188	322	20.5%	11.0%

Table 2: Preliminary Highway Impact Assessment - Peak Construction Phase (2026) PM

Ref	Location	PM Network Peak (17:00-18:00)								PM Development Peak (18:00-19:00)							
		Baseline		Development		Total		% Increase		Baseline		Development		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	18	18	565	7,311	3.3%	0.2%	457	6,102	0	107	457	6,209	0.0%	1.8%
T-RL2	A13 East	363	5,997	18	18	381	6,015	5.0%	0.3%	312	4,575	0	107	312	4,682	0.0%	2.3%
T-RL3	A1089 North (North of A1089/Dock Road/Thurrock Park Way Roundabout)	368	2,810	18	18	386	2,828	4.9%	0.6%	340	2,530	0	107	340	2,637	0.0%	4.2%
T-RL4	A1089 South (South of A1089/Dock Road/Thurrock Park Way Roundabout)	76	291	18	18	94	309	23.8%	6.2%	70	262	0	107	70	369	0.0%	40.8%
T-RL5	Station Approach	42	95	18	18	60	113	42.8%	18.9%	33	67	0	107	33	174	0.0%	160.7%
T-RJ1	A13/A1089 Junction	643	8,213	18	18	661	8,231	2.8%	0.2%	589	6,533	0	107	589	6,640	0.0%	1.6%
T-RJ2	A1089/Dock Road/Thurrock Park Way (ASDA) Roundabout	451	3,441	18	18	469	3,459	4.0%	0.5%	416	3,098	0	107	416	3,205	0.0%	3.5%
T-RJ3	A1089/Station Approach Junction	97	346	18	18	115	364	18.6%	5.2%	80	297	0	107	80	404	0.0%	36.1%

Table 3: Preliminary Highway Impact Assessment - Peak Construction Phase (2026) 12 Hours / 24hr Daily

Ref	Location	12 Hours (07:00-19:00)								24hr Daily							
		Baseline		Development		Total		% Increase		Baseline		Development		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	302	516	11,229	73,191	2.8%	0.7%	11,056	84,417	302	516	11,358	84,933	2.7%	0.6%
T-RL2	A13 East	8,658	61,186	302	516	8,960	61,702	3.5%	0.8%	8,559	71,364	302	516	8,861	71,880	3.5%	0.7%
T-RL3	A1089 North (North of A1089/Dock Road/Thurrock Park Way Roundabout)	7,093	28,540	302	516	7,395	29,056	4.3%	1.8%	7,108	33,552	302	516	7,410	34,068	4.2%	1.5%
T-RL4	A1089 South (South of A1089/Dock Road/Thurrock Park Way Roundabout)	1,456	2,958	302	516	1,758	3,474	20.7%	17.4%	1,459	3,477	302	516	1,761	3,993	20.7%	14.8%
T-RL5	Station Approach	720	1,841	302	516	1,022	2,357	42.0%	28.0%	735	2,106	302	516	1,037	2,622	41.1%	24.5%
T-RJ1	A13/A1089 Junction	13,445	82,036	302	516	13,747	82,552	2.2%	0.6%	13,467	95,626	302	516	13,769	96,142	2.2%	0.5%
T-RJ2	A1089/Dock Road/Thurrock Park Way (ASDA) Roundabout	8,927	35,917	302	516	9,229	36,433	3.4%	1.4%	8,945	42,225	302	516	9,247	42,741	3.4%	1.2%
T-RJ3	A1089/Station Approach Junction	1,795	3,973	302	516	2,097	4,489	16.8%	13.0%	1,787	4,637	302	516	2,089	5,153	16.9%	11.1%

