

XLINKS' MOROCCO-UK POWER PROJECT

Environmental Statement

Volume 2, Appendix 5.4: Traffic and Transport Assessment Calculations

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XLINKS' MOROCCO – UK POWER PROJECT

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Glossary

Term	Meaning
Environmental Impact Assessment	The process of identifying and assessing the significant effects likely to arise from a project. This requires consideration of the likely changes to the environment, where these arise as a consequence of a project, through comparison with the existing and projected future baseline conditions.
Environmental Statement	The document presenting the results of the Environmental Impact Assessment process.
Proposed Development	The element of Xlinks' Morocco-UK Power Project within the UK. The Proposed Development covers all works required to construct and operate the offshore cables (from the UK Exclusive Economic Zone to Landfall), Landfall, onshore Direct Current and Alternating Current cables, converter stations, and highways improvements.
Xlinks' Morocco UK Power Project	The overall scheme from Morocco to the national grid, including all onshore and offshore elements of the transmission network and the generation site in Morocco (referred to as the 'Project').

Acronyms

Acronym	Meaning
EIA	Environmental Impact Assessment
ES	Environmental Statement
UK	United Kingdom

Contents

1	TRAFFIC AND TRANSPORT ASSESSMENT CALCULATIONS	1
1.1	Introduction	1
1.2	Base Traffic Data	1
1.3	Construction and Cumulative Traffic Data	1

Annexes

Annex A	Observed Traffic Flows
Annex B	DfT National Trip End Model traffic growth rates
Annex C	2024 base traffic flows
Annex D	Link 4 and Link 5 factors
Annex E	2028 growthed traffic flows (without committed development traffic)
Annex F	Committed Development AADT flows
Annex G	2028 future baseline traffic flows (with committed development traffic)
Annex H	Construction traffic AADT flows and proportional increase on 2028 future baseline traffic flows
Annex I	Cumulative Development AADT flows
Annex J	Cumulative traffic AADT flows and proportional increase on 2028 future baseline traffic flows

1 TRAFFIC AND TRANSPORT ASSESSMENT CALCULATIONS

1.1 Introduction

- 1.1.1 This document forms Volume 2, Appendix 5.4: Traffic and Transport Assessment Calculations of the Environmental Statement (ES) prepared for the United Kingdom (UK) elements of Xlinks' Morocco-UK Power Project (the 'Project'). For ease of reference, the UK elements of the Project are referred to as the 'Proposed Development, which is the focus of the ES. The ES presents the findings of the Environmental Impact Assessment (EIA) process for the Proposed Development.
- 1.1.2 This document provides the traffic flow scenarios and calculations used in the assessment to identify the impacts of the Proposed Development on traffic and transport receptors within the study area. The methodology used for the assessment is set out in **section 5.10** of Volume 2, Chapter 5: Traffic and Transport of the ES.

1.2 Base Traffic Data

- 1.2.1 The base traffic flow scenarios and calculations include the below.
- Observed traffic flows (**Annex A**).
 - DfT National Trip End Model traffic growth rates (**Annex B**).
 - 2024 base traffic flows (**Annex C**).
 - Link 4 and Link 5 factors (**Annex D**).
 - 2028 growthed traffic flows (without committed development traffic) (**Annex E**).
 - Committed Development AADT flows (**Annex F**).
 - 2028 future baseline traffic flows (with committed development traffic) (**Annex G**).

1.3 Construction and Cumulative Traffic Data

- 1.3.1 The construction and cumulative traffic flow scenarios and calculations include the below.
- Construction traffic AADT flows and proportional increase on 2028 future baseline traffic flows (**Annex H**).
 - Cumulative Development AADT flows (**Annex I**).
 - Cumulative traffic AADT flows and proportional increase on 2028 future baseline traffic flows (**Annex J**).

Annex A: Observed Traffic Flows

Observed Traffic Flows

Link Reference	Description	AADT		Base Traffic Flow Year
		Total	HGVs	
L1	A39 between Lake Roundabout and Roundswell Roundabout	31164	939	2023
L2	A39 between Roundswell Roundabout and B3233	19753	699	2023
L3	A39 between B3233 and Heywood Road Roundabout	23059	794	2023
L4	A39 between Heywood Road Roundabout and B3236 Buckleigh Road	15176	488	2024
L5	A39 between B3236 Buckleigh Road and Abbotsham Cross Roundabout	13286	400	2024
L6	A39 between Abbotsham Cross Roundabout and Fairycross	7220	227	2023
L7	B3233 Barnstaple Street between Barnstaple Street Roundabout and Manteo Way	11777	470	2024
L8	Manteo Way between Barnstaple Street and Gammaton Road	8296	285	2024
L9	Gammaton Road between Manteo Way and Tennacott Lane	797	10	2023
L10	Gammaton Road between Tennacott Lane and Moorview House	797	10	2023
L11	Gammaton Moor Road between Moorview House and Alverdiscott Substation access	87	5	2023
L12	A386 between Heywood Road Roundabout and The Quay	4408	63	2023
L13	A386 between Heywood Road Roundabout and Ford Rise	13581	459	2024
L14	A386 between Ford Rise and Wesleyan Chapel	9449	311	2023
L15	B3236 Buckleigh Road between A39 and Pusehill Road	1910	20	2023
L16	Bowood Farm Road between Abbotsham Cross Roundabout and temporary construction compound access 2	1577	35	2024
L17	Littleham Road between Abbotsham Cross Roundabout and temporary construction compound access 3	1795	106	2023

Annex B: DfT National Trip End Model traffic growth rates

Growth Rates		
Core Scenario		
2022 - 2024		
Trunk Road - Region		
Level	Area	Local Growth Figure
E02004221	Torridge 002	1.028262846
2023 - 2024		
Minor Road - Region		
Level	Area	Local Growth Figure
E02004185	North Devon 011	1.00449295
E02004186	North Devon 012	1.003398731
E02004220	Torridge 001	1.007477183
E02004221	Torridge 002	1.008024292
E02004222	Torridge 003	1.00717876
E02004223	Torridge 004	1.005885592
E02004224	Torridge 005	1.004990322
A Road - Region		
Level	Area	Local Growth Figure
E02004185	North Devon 011	1.004584782
E02004186	North Devon 012	1.003490463
E02004220	Torridge 001	1.007569288
E02004221	Torridge 002	1.008116447
E02004222	Torridge 003	1.007270837
E02004223	Torridge 004	1.005977551
E02004224	Torridge 005	1.005082199
Trunk Road - Region		
Level	Area	Local Growth Figure
E02004185	North Devon 011	1.010414366
E02004186	North Devon 012	1.009313697
E02004220	Torridge 001	1.013416191
E02004221	Torridge 002	1.013966526
E02004222	Torridge 003	1.013116009
E02004223	Torridge 004	1.011815218
E02004224	Torridge 005	1.01091467
2023 - 2028		
Minor Road - Region		
Level	Area	Local Growth Figure
E02004185	North Devon 011	1.038802647
E02004186	North Devon 012	1.034522209
E02004220	Torridge 001	1.052539868
E02004221	Torridge 002	1.054879177
E02004222	Torridge 003	1.049653061
E02004223	Torridge 004	1.044576262
E02004224	Torridge 005	1.041042412
A Road - Region		
Level	Area	Local Growth Figure
E02004185	North Devon 011	1.040241357
E02004186	North Devon 012	1.03595499
E02004220	Torridge 001	1.053997603
E02004221	Torridge 002	1.056340152
E02004222	Torridge 003	1.051106798
E02004223	Torridge 004	1.046022968
E02004224	Torridge 005	1.042484223
Trunk Road - Region		
Level	Area	Local Growth Figure
E02004185	North Devon 011	1.067688
E02004186	North Devon 012	1.063288538
E02004220	Torridge 001	1.081807203
E02004221	Torridge 002	1.08421156
E02004222	Torridge 003	1.078840124
E02004223	Torridge 004	1.073622157
E02004224	Torridge 005	1.069990044
2024 - 2028		
Minor Road - Region		
Level	Area	Local Growth Figure
E02004185	North Devon 011	1.034183795
E02004186	North Devon 012	1.030981523
E02004220	Torridge 001	1.044691251
E02004221	Torridge 002	1.046542564
E02004222	Torridge 003	1.042189476
E02004223	Torridge 004	1.038486848
E02004224	Torridge 005	1.035834967
A Road - Region		
Level	Area	Local Growth Figure
E02004185	North Devon 011	1.035521439
E02004186	North Devon 012	1.032315025
E02004220	Torridge 001	1.046042485
E02004221	Torridge 002	1.047896194
E02004222	Torridge 003	1.043537474
E02004223	Torridge 004	1.039830058
E02004224	Torridge 005	1.037174747
Trunk Road - Region		
Level	Area	Local Growth Figure
E02004185	North Devon 011	1.056711473
E02004186	North Devon 012	1.053439445
E02004220	Torridge 001	1.067447813
E02004221	Torridge 002	1.069339453
E02004222	Torridge 003	1.064891541
E02004223	Torridge 004	1.061108259
E02004224	Torridge 005	1.058398612

Link Number	Link Description	Growth Rate 2023-2024	Growth Rate 2023-2028	Growth Rate 2024-2028
L1	A39 between Lake Roundabout and Roundswell Roundabout	1.009313697	1.063288538	
L2	A39 between Roundswell Roundabout and B3233	1.010414366	1.067688	
L3	A39 between B3233 and Heywood Road Roundabout	1.013966526	1.08421156	
L4	A39 between Heywood Road Roundabout and B3236 Buckleigh Road			1.069339453
L5	A39 between B3236 Buckleigh Road and Abbotsham Cross Roundabout			1.069339453
L6	A39 between Abbotsham Cross Roundabout and Fairycross	1.01091467	1.069990044	
L7	B3233 Barnstaple Street between Barnstaple Street Roundabout and Manteo Way			1.034183795
L8	Manteo Way between Barnstaple Street and Gammaton Road			1.038486848
L9	Gammaton Road between Manteo Way and Tennacott Lane	1.005885592	1.044576262	
L10	Gammaton Road between Tennacott Lane and Moorview House	1.005885592	1.044576262	
L11	Unnamed road between Moorview House and Alverdiscott Substation access	1.005885592	1.044576262	
L12	A386 between Heywood Road Roundabout and The Quay	1.008116447	1.056340152	
L13	A386 between Heywood Road Roundabout and Ford Rise			1.047896194
L14	A386 between Ford Rise and Wesleyan Chapel	1.005082199	1.042484223	
L15	B3236 Buckleigh Road between A39 and Pusehill Road	1.008024292	1.054879177	
L16	Bowood Farm Road between Abbotsham Cross Roundabout and temporary construction compound access 2			1.035834967
L17	Littleham Road between Abbotsham Cross Roundabout and temporary construction compound access 3	1.004990322	1.041042412	

Annex C: 2024 base traffic flows

2024 Traffic Flows

Link Reference	Description	AADT	
		Total	HGVs
L1	A39 between Lake Roundabout and Roundswell Roundabout	31,454	948
L2	A39 between Roundswell Roundabout and B3233	19,959	706
L3	A39 between B3233 and Heywood Road Roundabout	23,381	805
L4	A39 between Heywood Road Roundabout and B3236 Buckleigh Road	15,176	488
L5	A39 between B3236 Buckleigh Road and Abbotsham Cross Roundabout	13,286	400
L6	A39 between Abbotsham Cross Roundabout and Fairycross	7,299	229
L7	B3233 Barnstaple Street between Barnstaple Street Roundabout and Manteo Way	11,777	470
L8	Manteo Way between Barnstaple Street and Gammaton Road	8,296	285
L9	Gammaton Road between Manteo Way and Tennacott Lane	802	10
L10	Gammaton Road between Tennacott Lane and Moorview House	802	10
L11	Gammaton Moor Road between Moorview House and Alverdiscott Substation access	88	5
L12	A386 between Heywood Road Roundabout and The Quay	4,444	64
L13	A386 between Heywood Road Roundabout and Ford Rise	13,581	459
L14	A386 between Ford Rise and Wesleyan Chapel	9,497	313
L15	B3236 Buckleigh Road between A39 and Pusehill Road	1,925	20
L16	Bowood Farm Road between Abbotsham Cross Roundabout and temporary construction compound access 2	1,577	35
L17	Littleham Road between Abbotsham Cross Roundabout and temporary construction compound access 3	1,804	107

Annex D: Link 4 and Link 5 factors

Link 4 and Link 5 Factors

DfT 58217 - 2017 Manual Count		DfT 58217 - 2022 Manual Count		2017 - 2022 Factor		DfT 18513 - 2017 Manual Count		Count 18513 - Factored 2022		Assumed Radar 1 AADT (2022):		Radar 1 - Radar 2 Factor (2022)		Assumed Radar 2 AADT (2022)	
Total Vehicles	HGVs	Total Vehicles	HGVs	Total Vehicles	HGVs	Total Vehicles	HGVs	Total Vehicles	HGVs	Total Vehicles	HGVs	Total Vehicles	HGVs	Total Vehicles	HGVs
23576	861	22570	815	0.95732949	0.9465738	15417	501	14759	474	14759	474	0.875467728	0.819753086	12921	389

Radar 1 Survey AADT (2024):		Radar 2 Survey AADT (2024):	
Total Vehicles	HGVs	Total Vehicles	HGVs
13172	405	11531	332

2022 - 2024		
Trunk Road - Region		
Level	Area	Local Growth Figure
E02004221	Torridge 002	1.028262846

Assumed 2024 AADT		
	Total Vehicles	HGVs
Link 4	15176	488
Link 5	13286	400

Annex E: 2028 growthed traffic flows (without committed development traffic)

Growthed 2028 Traffic Flows

Link Reference	Description	AADT	
		Total	HGVs
L1	A39 between Lake Roundabout and Roundswell Roundabout	33,136	998
L2	A39 between Roundswell Roundabout and B3233	21,090	746
L3	A39 between B3233 and Heywood Road Roundabout	25,001	861
L4	A39 between Heywood Road Roundabout and B3236 Buckleigh Road	16,229	521
L5	A39 between B3236 Buckleigh Road and Abbotsham Cross Roundabout	14,208	427
L6	A39 between Abbotsham Cross Roundabout and Fairycross	7,725	243
L7	B3233 Barnstaple Street between Barnstaple Street Roundabout and Manteo Way	12,180	487
L8	Manteo Way between Barnstaple Street and Gammaton Road	8,616	295
L9	Gammaton Road between Manteo Way and Tennacott Lane	833	10
L10	Gammaton Road between Tennacott Lane and Moorview House	833	10
L11	Gammaton Moor Road between Moorview House and Alverdiscott Substation access	91	5
L12	A386 between Heywood Road Roundabout and The Quay	4,656	67
L13	A386 between Heywood Road Roundabout and Ford Rise	14,231	481
L14	A386 between Ford Rise and Wesleyan Chapel	9,850	324
L15	B3236 Buckleigh Road between A39 and Pusehill Road	2,015	21
L16	Bowood Farm Road between Abbotsham Cross Roundabout and temporary construction compound access 2	1,634	36
L17	Littleham Road between Abbotsham Cross Roundabout and temporary construction compound access 3	1,869	110

Annex F: Committed Development AADT flows

Torrige District Council Planning Application Reference: 1/0926/2020/OUTM (AADT)

Link Reference	Description	AADT	
		Total	HGVs
L1	A39 between Lake Roundabout and Roundswell Roundabout	0	0
L2	A39 between Roundswell Roundabout and B3233	0	0
L3	A39 between B3233 and Heywood Road Roundabout	0	0
L4	A39 between Heywood Road Roundabout and B3236 Buckleigh Road	0	0
L5	A39 between B3236 Buckleigh Road and Abbotsham Cross Roundabout	574	0
L6	A39 between Abbotsham Cross Roundabout and Fairycross	0	0
L7	B3233 Barnstaple Street between Barnstaple Street Roundabout and Manteo Way	0	0
L8	Manteo Way between Barnstaple Street and Gammaton Road	0	0
L9	Gammaton Road between Manteo Way and Tennacott Lane	0	0
L10	Gammaton Road between Tennacott Lane and Moorview House	0	0
L11	Gammaton Moor Road between Moorview House and Alverdiscott Substation access	0	0
L12	A386 between Heywood Road Roundabout and The Quay	0	0
L13	A386 between Heywood Road Roundabout and Ford Rise	0	0
L14	A386 between Ford Rise and Wesleyan Chapel	0	0
L15	B3236 Buckleigh Road between A39 and Pusehill Road	0	0
L16	Bowood Farm Road between Abbotsham Cross Roundabout and temporary construction compound access 2	0	0
L17	Littleham Road between Abbotsham Cross Roundabout and temporary construction compound access 3	0	0

North Devon Council Planning Application Reference: 73086 (AADT)

Link Reference	Description	AADT	
		Total	HGVs
L1	A39 between Lake Roundabout and Roundswell Roundabout	669	33
L2	A39 between Roundswell Roundabout and B3233	287	14
L3	A39 between B3233 and Heywood Road Roundabout	0	0
L4	A39 between Heywood Road Roundabout and B3236 Buckleigh Road	0	0
L5	A39 between B3236 Buckleigh Road and Abbotsham Cross Roundabout	0	0
L6	A39 between Abbotsham Cross Roundabout and Fairycross	0	0
L7	B3233 Barnstaple Street between Barnstaple Street Roundabout and Manteo Way	0	0
L8	Manteo Way between Barnstaple Street and Gammaton Road	0	0
L9	Gammaton Road between Manteo Way and Tennacott Lane	0	0
L10	Gammaton Road between Tennacott Lane and Moorview House	0	0
L11	Gammaton Moor Road between Moorview House and Alverdiscott Substation access	0	0
L12	A386 between Heywood Road Roundabout and The Quay	0	0
L13	A386 between Heywood Road Roundabout and Ford Rise	0	0
L14	A386 between Ford Rise and Wesleyan Chapel	0	0
L15	B3236 Buckleigh Road between A39 and Pusehill Road	0	0
L16	Bowood Farm Road between Abbotsham Cross Roundabout and temporary construction compound access 2	0	0
L17	Littleham Road between Abbotsham Cross Roundabout and temporary construction compound access 3	0	0

Committed Development Total (AADT)			
Link Reference	Description	AADT	
		Total	HGVs
L1	A39 between Lake Roundabout and Roundswell Roundabout	669	33
L2	A39 between Roundswell Roundabout and B3233	287	14
L3	A39 between B3233 and Heywood Road Roundabout	0	0
L4	A39 between Heywood Road Roundabout and B3236 Buckleigh Road	0	0
L5	A39 between B3236 Buckleigh Road and Abbotsham Cross Roundabout	574	0
L6	A39 between Abbotsham Cross Roundabout and Fairycross	0	0
L7	B3233 Barnstaple Street between Barnstaple Street Roundabout and Manteo Way	0	0
L8	Manteo Way between Barnstaple Street and Gammaton Road	0	0
L9	Gammaton Road between Manteo Way and Tennacott Lane	0	0
L10	Gammaton Road between Tennacott Lane and Moorview House	0	0
L11	Gammaton Moor Road between Moorview House and Alverdiscott Substation access	0	0
L12	A386 between Heywood Road Roundabout and The Quay	0	0
L13	A386 between Heywood Road Roundabout and Ford Rise	0	0
L14	A386 between Ford Rise and Wesleyan Chapel	0	0
L15	B3236 Buckleigh Road between A39 and Pusehill Road	0	0
L16	Bowood Farm Road between Abbotsham Cross Roundabout and temporary construction compound access 2	0	0
L17	Littleham Road between Abbotsham Cross Roundabout and temporary construction compound access 3	0	0

Annex G: 2028 future baseline traffic flows (with committed development traffic)

2028 Baseline Traffic Flows

Link Reference	Description	AADT	
		Total	HGVs
L1	A39 between Lake Roundabout and Roundswell Roundabout	33,805	1,031
L2	A39 between Roundswell Roundabout and B3233	21,377	760
L3	A39 between B3233 and Heywood Road Roundabout	25,001	861
L4	A39 between Heywood Road Roundabout and B3236 Buckleigh Road	16,229	521
L5	A39 between B3236 Buckleigh Road and Abbotsham Cross Roundabout	14,782	427
L6	A39 between Abbotsham Cross Roundabout and Fairycross	7,725	243
L7	B3233 Barnstaple Street between Barnstaple Street Roundabout and Manteo Way	12,180	487
L8	Manteo Way between Barnstaple Street and Gammaton Road	8,616	295
L9	Gammaton Road between Manteo Way and Tennacott Lane	833	10
L10	Gammaton Road between Tennacott Lane and Moorview House	833	10
L11	Gammaton Moor Road between Moorview House and Alverdiscott Substation access	91	5
L12	A386 between Heywood Road Roundabout and The Quay	4,656	67
L13	A386 between Heywood Road Roundabout and Ford Rise	14,231	481
L14	A386 between Ford Rise and Wesleyan Chapel	9,850	324
L15	B3236 Buckleigh Road between A39 and Pusehill Road	2,015	21
L16	Bowood Farm Road between Abbotsham Cross Roundabout and temporary construction compound access 2	1,634	36
L17	Littleham Road between Abbotsham Cross Roundabout and temporary construction compound access 3	1,869	110

Annex H: Construction traffic AADT flows and proportional increase on 2028 future baseline traffic flows

Link Reference	Link Description	2028 Baseline Traffic Flows (AADT)		Peak Construction Traffic Flows (AADT)		2028 Baseline + Construction Flows		% Increase	
		Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs
L1	A39 between Lake Roundabout and Roundswell Roundabout	33,805	1,031	710	105	34,515	1,136	2.1%	10.2%
L2	A39 between Roundswell Roundabout and B3233	21,377	760	710	105	22,087	865	3.3%	13.8%
L3	A39 between B3233 and Heywood Road Roundabout	25,001	861	710	105	25,711	966	2.8%	12.2%
L4	A39 between Heywood Road Roundabout and B3236 Buckleigh Road	16,229	521	714	105	16,943	626	4.4%	20.1%
L5	A39 between B3236 Buckleigh Road and Abbotsham Cross Roundabout	14,782	427	718	105	15,500	532	4.9%	24.6%
L6	A39 between Abbotsham Cross Roundabout and Fairycross	7,725	243	170	105	7,895	348	2.2%	43.2%
L7	B3233 Barnstaple Street between Barnstaple Street Roundabout and Manteo Way	12,180	487	548	77	12,728	564	4.5%	15.8%
L8	Manteo Way between Barnstaple Street and Gammaton Road	8,616	295	548	77	9,164	372	6.4%	26.1%
L9	Gammaton Road between Manteo Way and Tennacott Lane	833	10	548	77	1,381	87	65.8%	737.1%
L10	Gammaton Road between Tennacott Lane and Moorview House	833	10	0	0	833	10	0.0%	0.0%
L11	Gammaton Moor Road between Moorview House and Alverdiscott Substation access	91	5	0	0	91	5	0.0%	0.0%
L12	A386 between Heywood Road Roundabout and The Quay	4,656	67	0	0	4,656	67	0.0%	0.0%
L13	A386 between Heywood Road Roundabout and Ford Rise	14,231	481	39	35	14,270	516	0.3%	7.3%
L14	A386 between Ford Rise and Wesleyan Chapel	9,850	324	39	35	9,889	359	0.4%	10.8%
L15	B3236 Buckleigh Road between A39 and Pusehill Road	2,015	21	39	35	2,054	56	1.9%	165.9%
L16	Bowood Farm Road between Abbotsham Cross Roundabout and temporary construction compound access 2	1,634	36	647	35	2,281	71	39.6%	97.9%
L17	Littleham Road between Abbotsham Cross Roundabout and temporary construction compound access 3	1,869	110	39	35	1,908	145	2.1%	31.7%

Sensitivity	EIA	
	Rule 1	Rule 2
Low	No	No
Low	No	No
Low	No	No
Negligible	No	No
Low	No	No
Medium	Yes	No
Low	No	No
Low	No	No
Negligible	Yes	No
Negligible	No	No
Negligible	No	No
High	No	No
High	No	No
Negligible	No	No
Low	Yes	No
Negligible	Yes	No
Negligible	Yes	No

Annex I: Cumulative Development AADT flows

Land to the South of Clovelly Road (AADT)			
Link Reference	Description	AADT	
		Total	HGVs
L1	A39 between Lake Roundabout and Roundswell Roundabout	186	150
L2	A39 between Roundswell Roundabout and B3233	186	150
L3	A39 between B3233 and Heywood Road Roundabout	186	150
L4	A39 between Heywood Road Roundabout and B3236 Buckleigh Road	186	150
L5	A39 between B3236 Buckleigh Road and Abbotsham Cross Roundabout	186	150
L6	A39 between Abbotsham Cross Roundabout and Fairycross	162	150
L7	B3233 Barnstaple Street between Barnstaple Street Roundabout and Manteo Way	0	0
L8	Manteo Way between Barnstaple Street and Gammaton Road	0	0
L9	Gammaton Road between Manteo Way and Tennacott Lane	0	0
L10	Gammaton Road between Tennacott Lane and Moorview House	0	0
L11	Gammaton Moor Road between Moorview House and Alverdiscott Substation access	0	0
L12	A386 between Heywood Road Roundabout and The Quay	0	0
L13	A386 between Heywood Road Roundabout and Ford Rise	0	0
L14	A386 between Ford Rise and Wesleyan Chapel	0	0
L15	B3236 Buckleigh Road between A39 and Pusehill Road	0	0
L16	Bowood Farm Road between Abbotsham Cross Roundabout and temporary construction compound access 2	0	0
L17	Littleham Road between Abbotsham Cross Roundabout and temporary construction compound access 3	0	0

Land at Grid Reference 246891 126041, Manteo Way, East-The-Water (AADT)

Link Reference	Description	AADT	
		Total	HGVs
L1	A39 between Lake Roundabout and Roundswell Roundabout	0	0
L2	A39 between Roundswell Roundabout and B3233	0	0
L3	A39 between B3233 and Heywood Road Roundabout	0	0
L4	A39 between Heywood Road Roundabout and B3236 Buckleigh Road	0	0
L5	A39 between B3236 Buckleigh Road and Abbotsham Cross Roundabout	0	0
L6	A39 between Abbotsham Cross Roundabout and Fairycross	0	0
L7	B3233 Barnstaple Street between Barnstaple Street Roundabout and Manteo Way	132	64
L8	Manteo Way between Barnstaple Street and Gammaton Road	141	64
L9	Gammaton Road between Manteo Way and Tennacott Lane	0	0
L10	Gammaton Road between Tennacott Lane and Moorview House	0	0
L11	Gammaton Moor Road between Moorview House and Alverdiscott Substation access	0	0
L12	A386 between Heywood Road Roundabout and The Quay	0	0
L13	A386 between Heywood Road Roundabout and Ford Rise	0	0
L14	A386 between Ford Rise and Wesleyan Chapel	0	0
L15	B3236 Buckleigh Road between A39 and Pusehill Road	0	0
L16	Bowood Farm Road between Abbotsham Cross Roundabout and temporary construction compound access 2	0	0
L17	Littleham Road between Abbotsham Cross Roundabout and temporary construction compound access 3	0	0

NGET (AADT)			
Link Reference	Description	AADT	
		Total	HGVs
L1	A39 between Lake Roundabout and Roundswell Roundabout	150	50
L2	A39 between Roundswell Roundabout and B3233	0	0
L3	A39 between B3233 and Heywood Road Roundabout	0	0
L4	A39 between Heywood Road Roundabout and B3236 Buckleigh Road	0	0
L5	A39 between B3236 Buckleigh Road and Abbotsham Cross Roundabout	0	0
L6	A39 between Abbotsham Cross Roundabout and Fairycross	0	0
L7	B3233 Barnstaple Street between Barnstaple Street Roundabout and Manteo Way	0	0
L8	Manteo Way between Barnstaple Street and Gammaton Road	0	0
L9	Gammaton Road between Manteo Way and Tennacott Lane	0	0
L10	Gammaton Road between Tennacott Lane and Moorview House	0	0
L11	Gammaton Moor Road between Moorview House and Alverdiscott Substation access	0	0
L12	A386 between Heywood Road Roundabout and The Quay	0	0
L13	A386 between Heywood Road Roundabout and Ford Rise	0	0
L14	A386 between Ford Rise and Wesleyan Chapel	0	0
L15	B3236 Buckleigh Road between A39 and Pusehill Road	0	0
L16	Bowood Farm Road between Abbotsham Cross Roundabout and temporary construction compound access	0	0
L17	Littleham Road between Abbotsham Cross Roundabout and temporary construction compound access 3	0	0

Cumulative Development Total (AADT)			
Link Reference	Description	AADT	
		Total	HGVs
L1	A39 between Lake Roundabout and Roundswell Roundabout	336	200
L2	A39 between Roundswell Roundabout and B3233	186	150
L3	A39 between B3233 and Heywood Road Roundabout	186	150
L4	A39 between Heywood Road Roundabout and B3236 Buckleigh Road	186	150
L5	A39 between B3236 Buckleigh Road and Abbotsham Cross Roundabout	186	150
L6	A39 between Abbotsham Cross Roundabout and Fairycross	162	150
L7	B3233 Barnstaple Street between Barnstaple Street Roundabout and Manteo Way	132	64
L8	Manteo Way between Barnstaple Street and Gammaton Road	141	64
L9	Gammaton Road between Manteo Way and Tennacott Lane	0	0
L10	Gammaton Road between Tennacott Lane and Moorview House	0	0
L11	Gammaton Moor Road between Moorview House and Alverdiscott Substation access	0	0
L12	A386 between Heywood Road Roundabout and The Quay	0	0
L13	A386 between Heywood Road Roundabout and Ford Rise	0	0
L14	A386 between Ford Rise and Wesleyan Chapel	0	0
L15	B3236 Buckleigh Road between A39 and Pusehill Road	0	0
L16	Bowood Farm Road between Abbotsham Cross Roundabout and temporary construction compound access 2	0	0
L17	Littleham Road between Abbotsham Cross Roundabout and temporary construction compound access 3	0	0

Annex J: Cumulative traffic AADT flows and proportional increase on 2028 future baseline traffic flows

Link Reference	Link Description	2028 Baseline Traffic Flows (AADT)		Peak Construction Traffic Flows (AADT)		2028 Baseline + Construction Flows		% Increase		Cumulative Developments + Xlinks		% Increase		Sensitivity	EIA	
		Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs		Rule 1	Rule 2
L1	A39 between Lake Roundabout and Roundswell Roundabout	33,805	1,031	710	105	34,515	1,136	2.1%	10.2%	1,046	305	3.1%	29.6%	Low	No	No
L2	A39 between Roundswell Roundabout and B3233	21,377	760	710	105	22,087	865	3.3%	13.8%	896	255	4.2%	33.5%	Low	Yes	No
L3	A39 between B3233 and Heywood Road Roundabout	25,001	861	710	105	25,711	966	2.8%	12.2%	896	255	3.6%	29.6%	Low	No	No
L4	A39 between Heywood Road Roundabout and B3236 Buckleigh Road	16,229	521	714	105	16,943	626	4.4%	20.1%	900	255	5.5%	48.9%	Negligible	Yes	No
L5	A39 between B3236 Buckleigh Road and Abbotsham Cross Roundabout	14,782	427	718	105	15,500	532	4.9%	24.6%	904	255	6.1%	59.7%	Low	Yes	No
L6	A39 between Abbotsham Cross Roundabout and Fairycross	7,725	243	170	105	7,895	348	2.2%	43.2%	332	255	4.3%	105.0%	Medium	Yes	No
L7	B3233 Barnstaple Street between Barnstaple Street Roundabout and Manteo Way	12,180	487	548	77	12,728	564	4.5%	15.8%	680	141	5.6%	29.0%	Low	No	No
L8	Manteo Way between Barnstaple Street and Gammaton Road	8,616	295	548	77	9,164	372	6.4%	26.1%	689	141	8.0%	47.7%	Low	Yes	No
L9	Gammaton Road between Manteo Way and Tennacott Lane	833	10	548	77	1,381	87	65.8%	737.1%	548	77	65.8%	737.1%	Negligible	Yes	No
L10	Gammaton Road between Tennacott Lane and Moorview House	833	10	0	0	833	10	0.0%	0.0%	0	0	0.0%	0.0%	Negligible	No	No
L11	Gammaton Moor Road between Moorview House and Alverdiscott Substation access	91	5	0	0	91	5	0.0%	0.0%	0	0	0.0%	0.0%	Negligible	No	No
L12	A386 between Heywood Road Roundabout and The Quay	4,656	67	0	0	4,656	67	0.0%	0.0%	0	0	0.0%	0.0%	High	No	No
L13	A386 between Heywood Road Roundabout and Ford Rise	14,231	481	39	35	14,270	516	0.3%	7.3%	39	35	0.3%	7.3%	High	No	No
L14	A386 between Ford Rise and Wesleyan Chapel	9,850	324	39	35	9,889	359	0.4%	10.8%	39	35	0.4%	10.8%	Negligible	No	No
L15	B3236 Buckleigh Road between A39 and Pusehill Road	2,015	21	39	35	2,054	56	1.9%	165.9%	39	35	1.9%	165.9%	Low	Yes	No
L16	Bowood Farm Road between Abbotsham Cross Roundabout and temporary construction compound access 2	1,634	36	647	35	2,281	71	39.6%	97.9%	647	35	39.6%	97.9%	Negligible	Yes	No
L17	Littleham Road between Abbotsham Cross Roundabout and temporary construction compound access 3	1,869	110	39	35	1,908	145	2.1%	31.7%	39	35	2.1%	31.7%	Negligible	Yes	No