

MONA OFFSHORE WIND PROJECT

Preliminary Environmental Information Technical Report

Volume 7, annex 21.4: Base traffic flows technical report



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FINAL

Image of an offshore wind farm

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Glossary

Term	Meaning
Annual Average Daily Traffic Flows (AADT)	The total volume of vehicular traffic on a section of highway for a year divided by 365 days.
Heavy Vehicle (HV)	Any goods or passenger vehicle which has an operating weight exceeding 7.5 tonnes.

Acronyms

Acronym	Description
AADT	Annual Average Daily Traffic Flows
ATC	Automatic Traffic Counters
HV	Heavy Vehicle

1 BASE TRAFFIC FLOWS

1.1 Introduction

1.1.1.1 This Traffic and transport technical report sets out a summary of the base traffic flows for the Mona Offshore Wind Project. The base traffic flows are set out in Table 1.1 and have been used to define a baseline transport position as set out in volume 7, chapter 21: Traffic and transport of the PEIR.

1.1.1.2 The traffic flows have been obtained from the following sources:

- Automatic Traffic Counters (ATCs) installed between 28/04/2022 and 11/05/2022
- AADT data obtained from the Department for Transport (covering all years up to and including 2019).

1.1.1.3 The traffic flow locations have been determined based upon an initial estimate of the likely routing of construction vehicles along the adjacent highway network and the sections of highway (highway links) that form this. A figure showing the location of the highway link references listed in Table 1.1 is provided in volume 7, annex 21.1: Transport Figures of the PEIR.

Table 1.1: Summary of base traffic flows.

Link reference	Description	Annual Average Daily traffic Flows (AADT)	
		Total vehicles	Heavy Vehicles (HVs)
L1	A55 between Junctions 27 and 27A	41,471	3,170
L2	A55 between Junctions 27 and 26	46,215	2,938
L3	A55 between Junctions 26 and 25	46,215	2,938
L4	A55 between Junctions 25 and 24A	46,215	2,938
L5	A55 between Junctions 24A and 24	46,215	2,938
L6	A55 between Junctions 24 and 23A	43,715	2,280
L7	A55 between Junctions 23A and 23	50,827	2,968
L8	A547 through Llanddulas	8,408	755
L9	A547 between Llanddulas and Parc Busnes Gogledd Cymru	6,847	812
L10	A547 between Parc Busnes Gogledd Cymru and A548 Chapel Street	9,256	839
L11	A547 between A548 Chapel Street and A55	5,955	657
L12	A548 Chapel Street between A547 and Lon Dirion	9,042	974
L13	A548 Chapel Street between Lon Dirion and Abergele Hospital	4,000	824

Link reference	Description	Annual Average Daily traffic Flows (AADT)	
		Total vehicles	Heavy Vehicles (HVs)
L14	A548 Chapel Street between Abergele Hospital and B5381 Roman Road	2,919	460
L15	B5381 Roman Road between A548 and Moelfre	1,972	368
L16	B5381 Roman Road between Moelfre and Capel Carmel	1,554	223
L17	B5381 Roman Road between Capel Carmel and Roberts D a O	1,586	298
L18	B5381 Roman Road between Roberts D a O and Engine Hill	1,736	284
L19	B5381 Glascoed Road between Engine Hill and Ffordd William Morgan	1,745	234
L20	B5381 Glascoed Road between Ffordd William Morgan and Cwttir Lane	4,046	493
L21	Ffordd William Morgan between A55 and Carlton Court	3,481	398
L22	Ffordd William Morgan between Carlton Court and B5381 Glascoed Road	5,991	505
L23	Engine Hill between A55 and B5381 Glascoed Road	3,492	565