

moray offshore renewables ltd

Environmental Statement

Technical Appendix 5.7 B - Traffic Flow Data

Telford, Stevenson, MacColl Wind Farms
and associated Transmission Infrastructure
Environmental Statement



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Appendix 10.7 B - Traffic Flow Data Conversion to AADT

Site 6 - A950 - West Peterhead

DMRB Volume 13 Economic Assessment of Roads Schemes, Section 1 The Cobra Manual
Part 4 - Traffic Input to COBA

Chapter 6 - Network Classification and Seasonality Index

Non Built-up Principal
SI 1.1

Chapter 9 - Conversion of Input Data to AAHT

AAHT = 16 Hour Flows x M Factor / 8760
AADT = AAHT x 24
M Factor = a + (b x SI)

Section 9.9

a = 408
b = -57
M = 345.3

Site 6	Eastbound	Westbound	Combined		
	No.	No.	No.	No. of HGV's	% HGV's
7-day AADT	3,149	3,164	6,314	369	6%
5-day AADT	3,387	3,406	6,792	460	7%

Site 7 - A952 - North Mintlaw

DMRB Volume 13 Economic Assessment of Roads Schemes, Section 1 The Cobra Manual
Part 4 - Traffic Input to COBA

Chapter 6 - Network Classification and Seasonality Index

Non Built-up Principal
SI 1.1

Chapter 9 - Conversion of Input Data to AAHT

AAHT = 16 Hour Flows x M Factor / 8760
AADT = AAHT x 24
M Factor = a + (b x SI)

Section 9.9

a = 297
b = 61
M = 364.1

Site 7	Northbound	Southbound	Combined		
	No.	No.	No.	No. of HGV's	% HGV's
7-day AADT	3,080	3,123	6,202	245	4%
5-day AADT	3,341	3,357	6,698	299	4%

Site 8 - A952 - South Mintlaw

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Part 4 - Traffic Input to COBA

Chapter 6 - Network Classification and Seasonality Index

Non Built-up Principal
SI 1.1

Chapter 9 - Conversion of Input Data to AAHT

AAHT = 16 Hour Flows x M Factor / 8760
AADT = AAHT x 24
M Factor = a + (b x SI)

Section 9.9

a = 297
b = 61
M = 364.1

Site 8	Northbound	Southbound	Combined		
	No.	No.	No.	No. of HGV's	% HGV's
7-day AADT	2,693	2,727	5,420	240	4%
5-day AADT	2,910	2,913	5,823	293	5%

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