

Rosslare ORE Hub Project

EIAR Technical Appendix

Technical Appendix 17:

Traffic and Road Transport

Appendix 17.1: Traffic Survey Data

Site	24-Hr Survey Flows (Total Vehicle)	% HGV	Total HGV
101	8998	14.9%	1339
102	8423	16.6%	1398
103	7124	19.7%	1406
108	7475	16.5%	1232
111	3450	34.8%	1200
112	6709	38.3%	2570

WADT			
101	9178	14.9%	1366
102	8592	16.6%	1426
103	7267	19.7%	1434
108	7625	16.5%	1257
111	3519	34.8%	1224
112	6843	38.3%	2621
WAD Factor			1.02

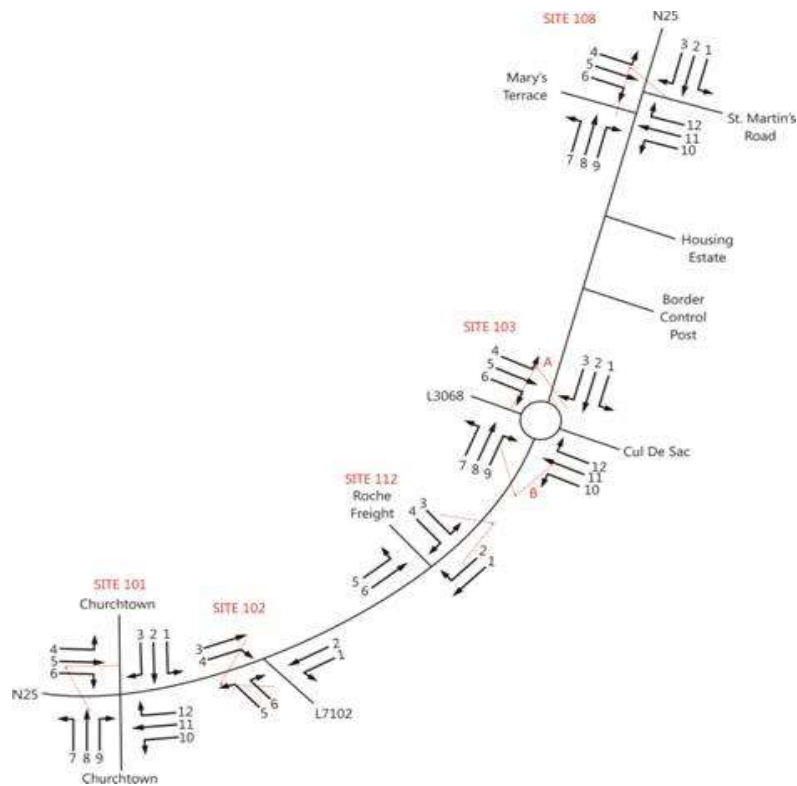
AADT			
101	8902	14.9%	1325
102	8334	16.6%	1383
103	7049	19.7%	1391
108	7396	16.5%	1219
111	3413	34.8%	1188
112	6638	38.3%	2542
WAD Factor			0.97

2027	2028	2040	
AADT	AADT	AADT	
8902	9654	11062	
8334	9038	10356	
7049	7644	8759	
7396	8020	9190	
3413	3701	4241	
6638	7198	8249	

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	2024	AM/PM	24-Hr
Appendix:	17.1.1a - Summary		

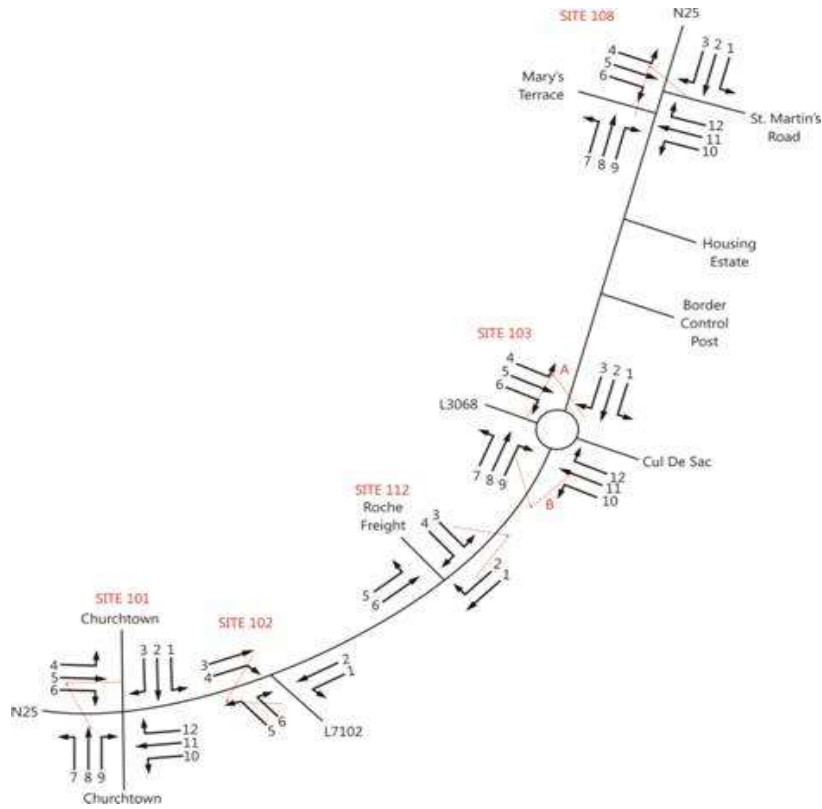


Movement	Number (PCU)	% HGV
1	31	0.00%
2	10	0.00%
3	184	1.67%
4	185	3.39%
5	3324	20.04%
6	330	7.64%
7	398	7.14%
8	22	0.00%
9	378	2.15%
10	456	2.92%
11	3334	17.33%
12	30	7.41%
Overall HGV	14.88%	
Total PCU	8682	
Total HGV	1110	

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	2023	AM/PM	24-Hr
Appendix:	17.1.2 - 101		

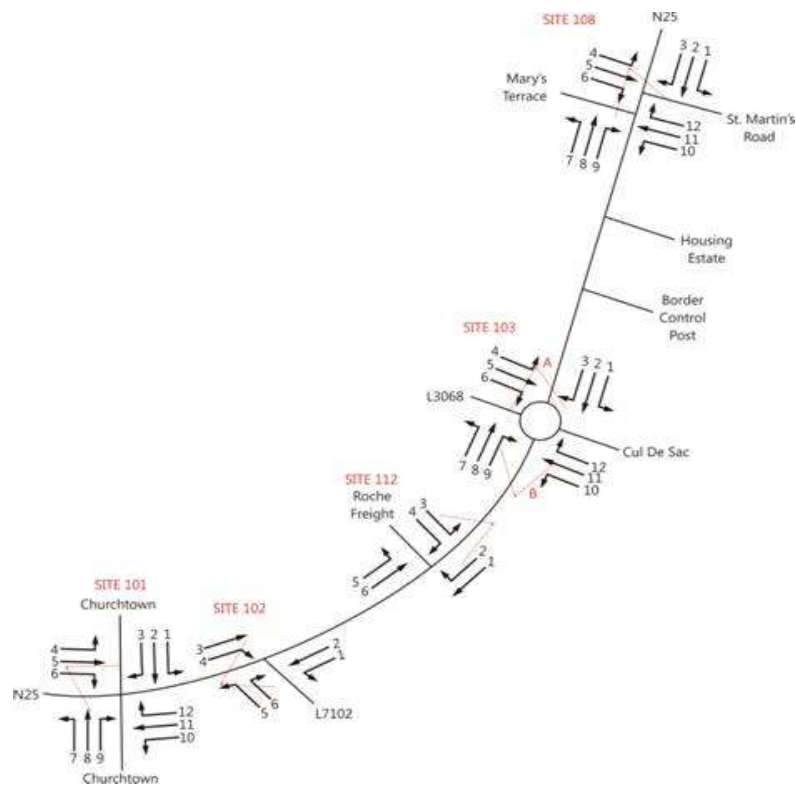


Movement	Number (PCU)	% HGV
1	357	19.42%
2	3036	17.17%
3	2973	19.83%
4	760	10.26%
5	784	8.69%
6	344	16.22%
Overall HGV	16.60%	
Total PCU	8255	
Total HGV	1158	

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	2023	AM/PM	24-Hr
Appendix:	17.1.3 - 102		

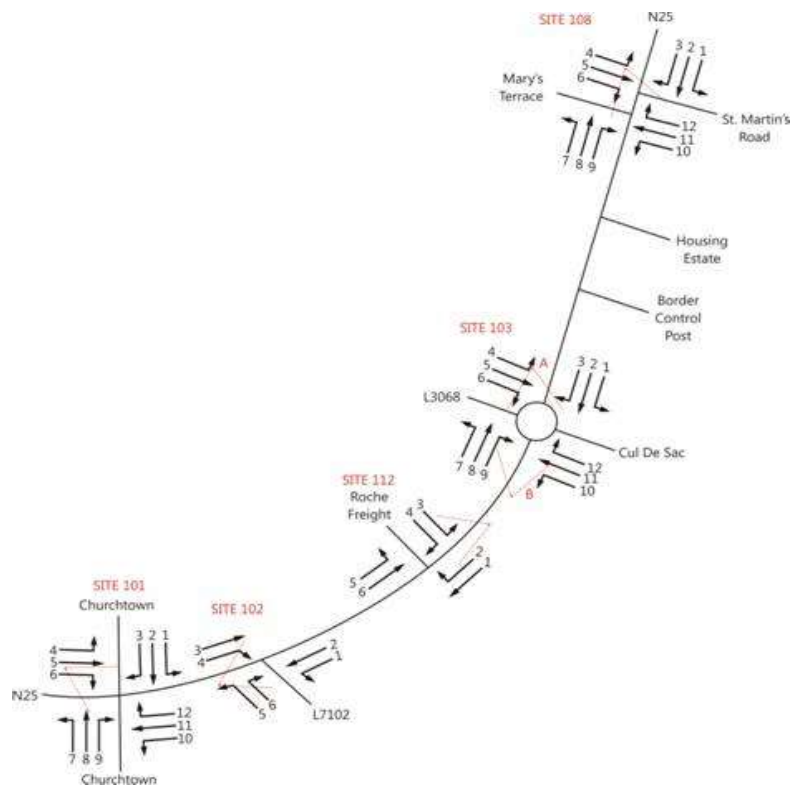


Movement	Number (PCU)	% HGV
1	8	0.00%
2	3022	16.15%
3	212	34.71%
4	269	41.29%
5	0	0.00%
6	344	31.91%
7	344	44.74%
8	2934	17.34%
9	6	0.00%
10	11	0.00%
11	6	0.00%
12	4	0.00%
Overall HGV	19.70%	
Total PCU	7160	
Total HGV	1165	

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	2023	AM/PM	24-Hr
Appendix:	17.1.4 - 103		

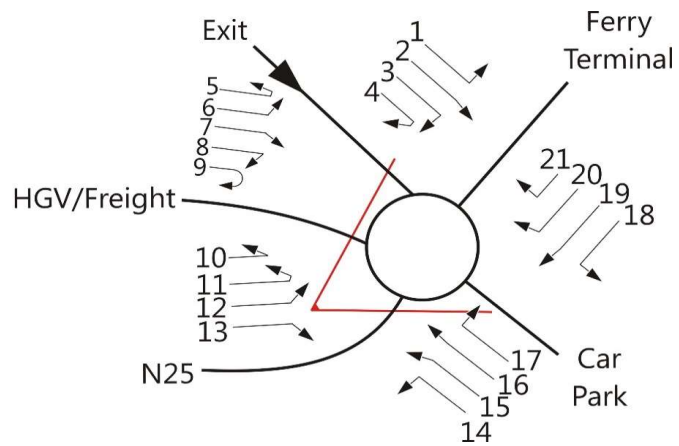


Movement	Number (PCU)	% HGV
1	196	5.79%
2	1834	30.96%
3	70	14.06%
4	66	13.11%
5	195	1.55%
6	745	1.76%
7	749	1.62%
8	1805	35.76%
9	617	5.35%
10	631	5.58%
11	214	0.47%
12	150	5.48%
Overall HGV	16.50%	
Total PCU	7270	
Total HGV	1021	

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	2023	AM/PM	24-Hr
Appendix:	17.1.5 - 108		

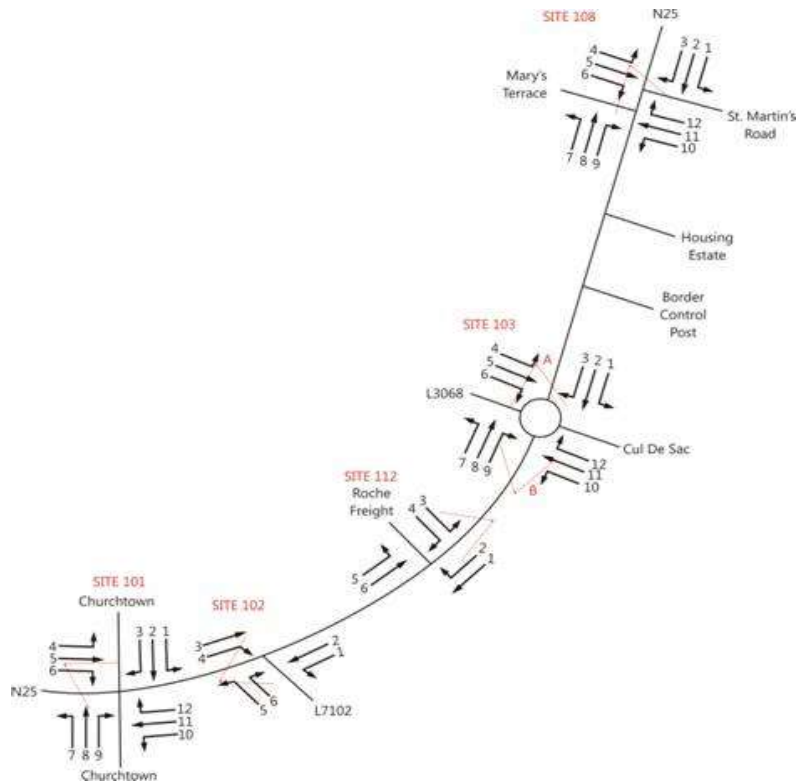


Movement	Number (PCU)	% HGV
1	39	6.67%
2	1	0.00%
3	99	69.23%
4	118	45.16%
5	144	50.47%
6	176	24.68%
7	3	0.00%
8	980	50.22%
9	136	26.50%
10	847	70.92%
11	76	71.79%
12	504	6.17%
13	84	0.00%
14	87	0.00%
15	5	0.00%
16	0	0.00%
17	14	0.00%
18	7	0.00%
19	307	5.02%
20	174	24.68%
21	24	47.37%
Overall HGV	34.80%	
Total PCU	3825	
Total HGV	1069	

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	2023	AM/PM	24-Hr
Appendix:	17.1.6 - 111		



Movement	Number (PCU)	% HGV
1	3370	17.56%
2	8	0.00%
3	10	0.00%
4	24	0.00%
5	21	0.00%
6	3274	19.71%
Overall HGV	28.30%	
Total PCU	6707	
Total HGV	1023	

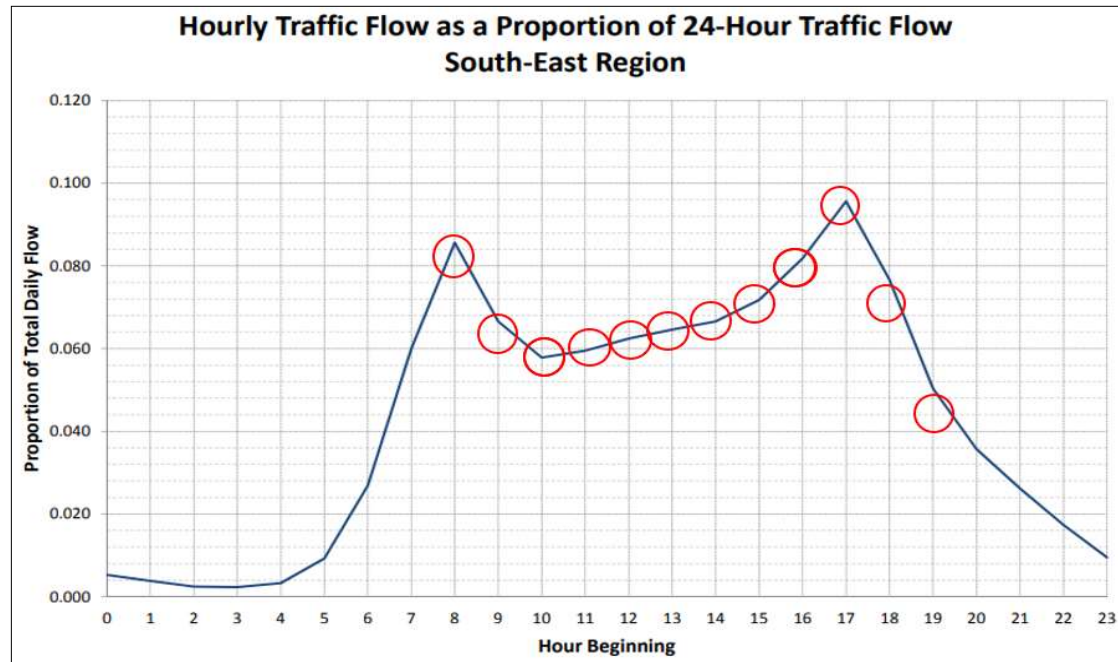
PINNACLE

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Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	2023	AM/PM	24-Hr
Appendix:	17.1.7 - 112		

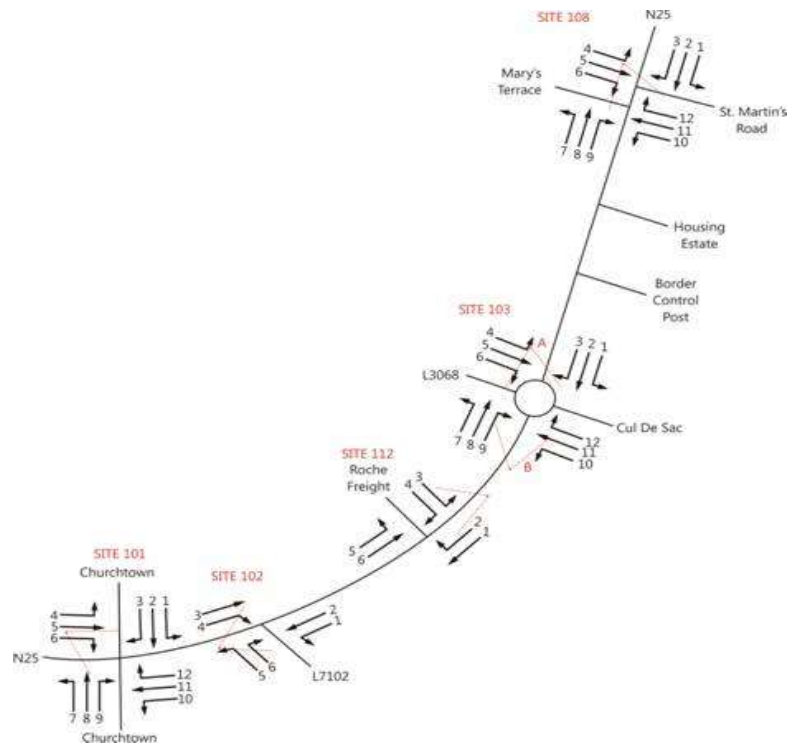
Appendix 17.2: 24 Hour Flow Calculations

314015 - 25 REAR Peak Construction Movements



PINNACLE CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	2023	AM/PM	24-Hr
Appendix:	17.2.1		

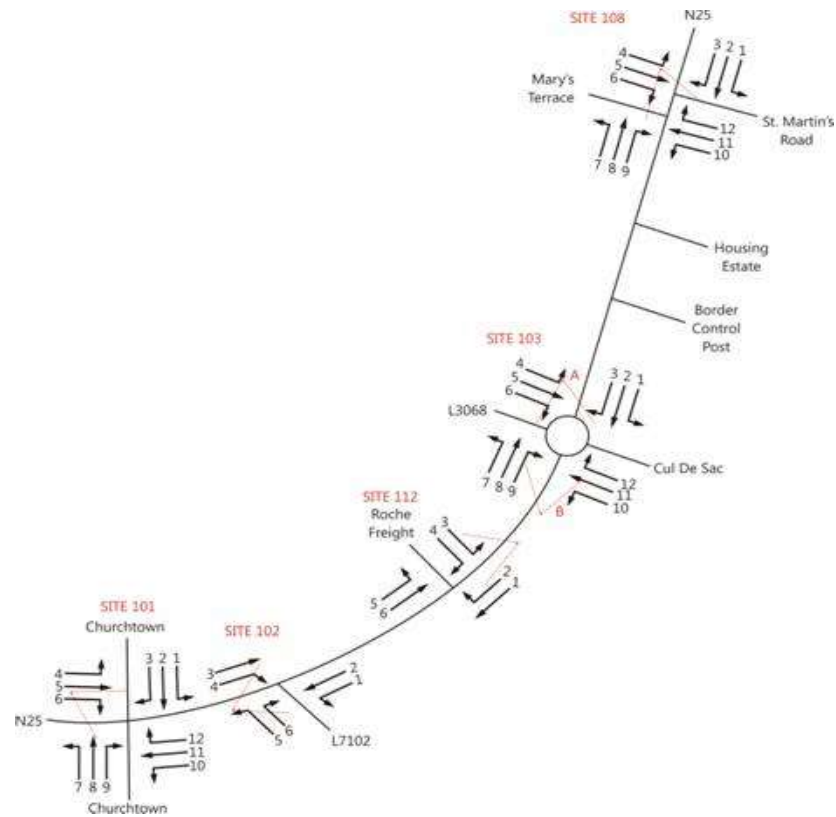


Total PCU	8682
Expansion Factor	0.829
24 Hr PCU	10473

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	2023	AM/PM	24-Hr
Appendix:	17.2.2 - 101		

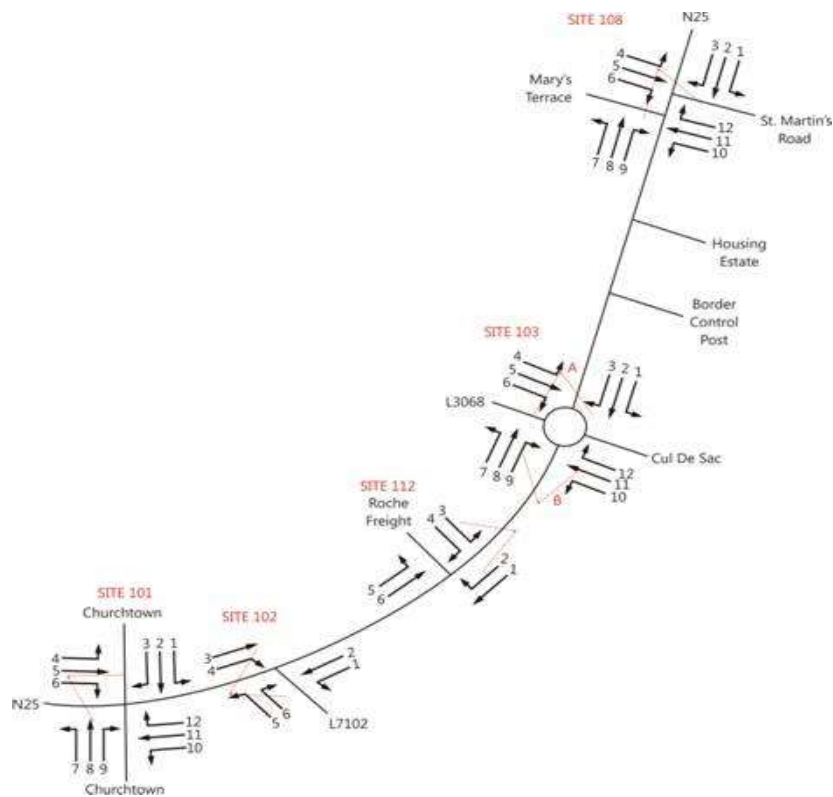


Total PCU	8255
Expansion Factor	0.829
24 Hr PCU	9958

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	2023	AM/PM	24-Hr
Appendix:	17.2.3 - 102		

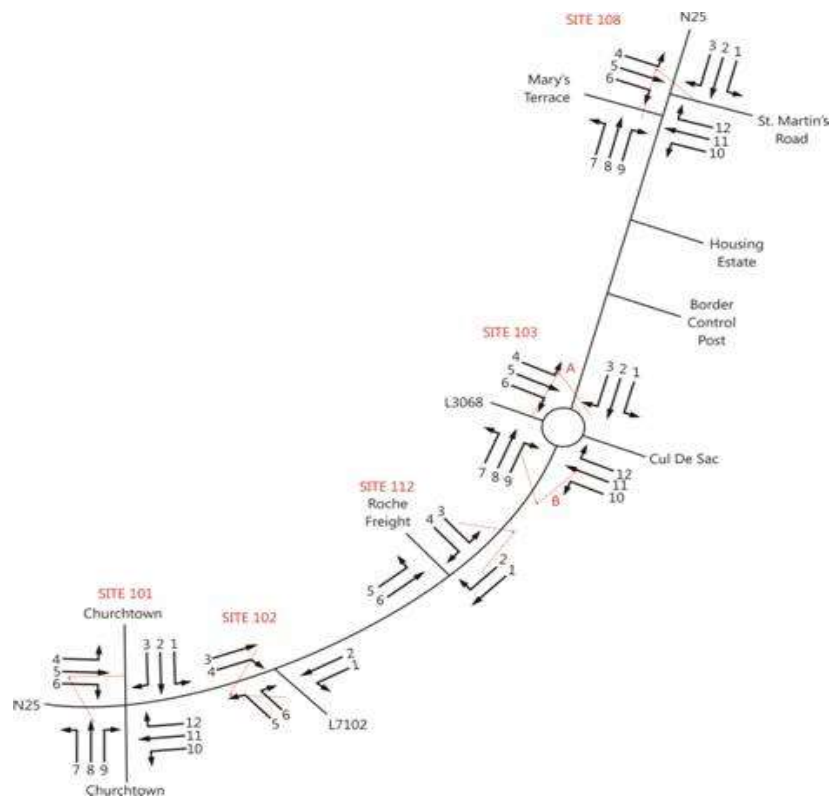


Total PCU	7160
Expansion Factor	0.829
24 Hr PCU	8637

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	2023	AM/PM	24-Hr
Appendix:	17.2.4 - 103		

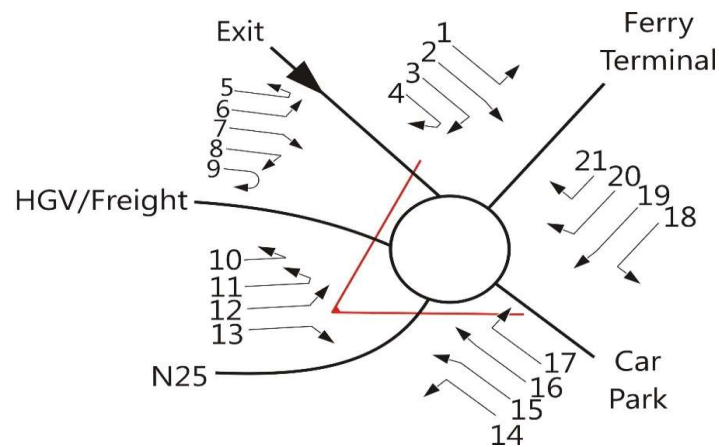


Total PCU	7270
Expansion Factor	0.829
24 Hr PCU	8770

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	2023	AM/PM	24-Hr
Appendix:	17.2.5 - 108		

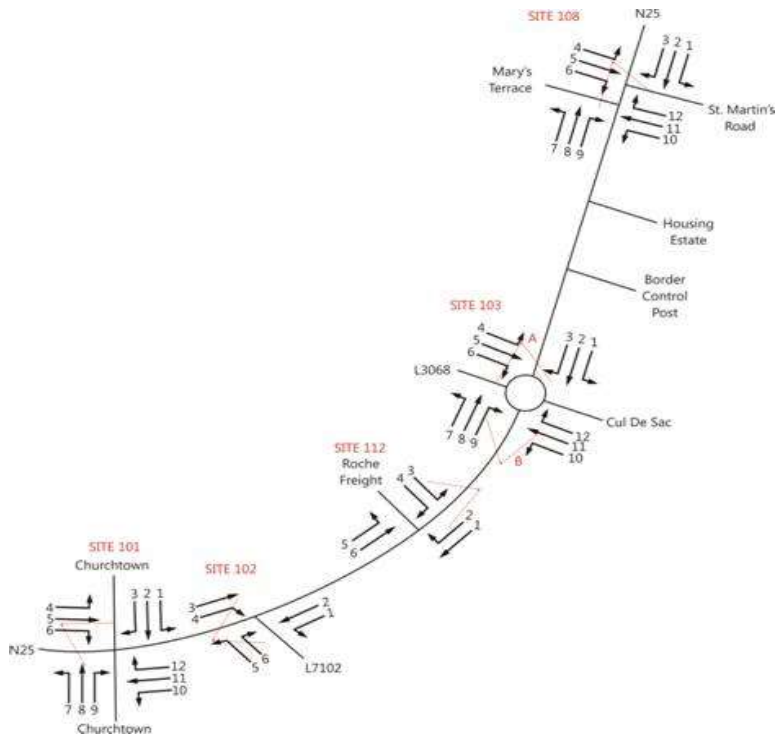


Total PCU	3825
Expansion Factor	0.829
24 Hr PCU	4614

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	2023	AM/PM	24-Hr
Appendix:	17.2.6 - 111		



Total PCU	6707
Expansion Factor	0.829
24 Hr PCU	8090

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	2023	AM/PM	24-Hr
Appendix:	17.2.7 - 112		

Appendix 17.3: Traffic Impact

Month	Mobilization		Staff	Piling	Dredging /reclamation	OnGoign Works	Excavation & Earth Works	Surfacing of Port Storage Yard	Construction of Rock Armour Revetments	Concrete Works	Two Way Trips (PCU) - Total
1	69		160	0	128.8	46					404
2	69		160	0	128.8	46					404
3			160	0	128.8	46					335
4			160	0	128.8	46				193	528
5			160	0		46	36.8			197	439
6			160	0		46	36.8			197	439
7			160	0		46	36.8			197	439
8			160	0		46	36.8			197	439
9			160	0		46	36.8			197	439
10			160	0		46	36.8			197	439
11			160	0		46	36.8			197	439
12			160	0		46	36.8	69		197	508
13			160	0		46	36.8	69		197	508
14			160	0		46	36.8	69		197	508
15			160	0		46	36.8	69		197	508
16			160	0		46	36.8	69		197	508
17			160	0		46	36.8	69		197	508
18			160	0		46	36.8	69		197	508
19			160	0		46	36.8	69		197	508
20			160	0		46	36.8	69		197	508
21			160	0		46	36.8	69		197	508
22			160	0		46	36.8	69		197	508
23			160	0		46	36.8	69		197	508
24			160	0		46	36.8	69		197	508

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	CONSTRUCTION	AM/PM	DO SOMETHING
Appendix:	17.3.1A		

Port Trade Description	Year 2028	Year 2040		2028 (PCU)	2040 (PCU)
Primarily ORE activities	50 turbines per year	50 turbines per year		2	2
RoRo units on ORE quays	15,000 RoRo trailer units from year 2028	45,000 RoRo trailer units at year 2040		95	284
Bulk freight	1,700 laden trailers per annum	1,700 laden trailers per annum		21	21

Operation	Movements	Movements	Two-way Trips		
Staff - ORE Hub/RoRo Staff	150	150	300	300	300
Staff - ORE Operations and Maintenance (O&M)	120	120	240	240	240
Small Boat Harbour	80	80	160	160	160

Total				818	1007
				HGV	51
				% HGV	14.43%
					30.49%

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	OPERATIONAL	AM/PM	DO SOMETHING
Appendix:	17.3.1B		

Growth Factor				
General Growth Rate		Expansion Factor		
2016-2030	1.0211	2024	2027	1.063
2030-2040	1.0116	2024	2028	1.084

Construction Phase - 2027	
Total PCU	528

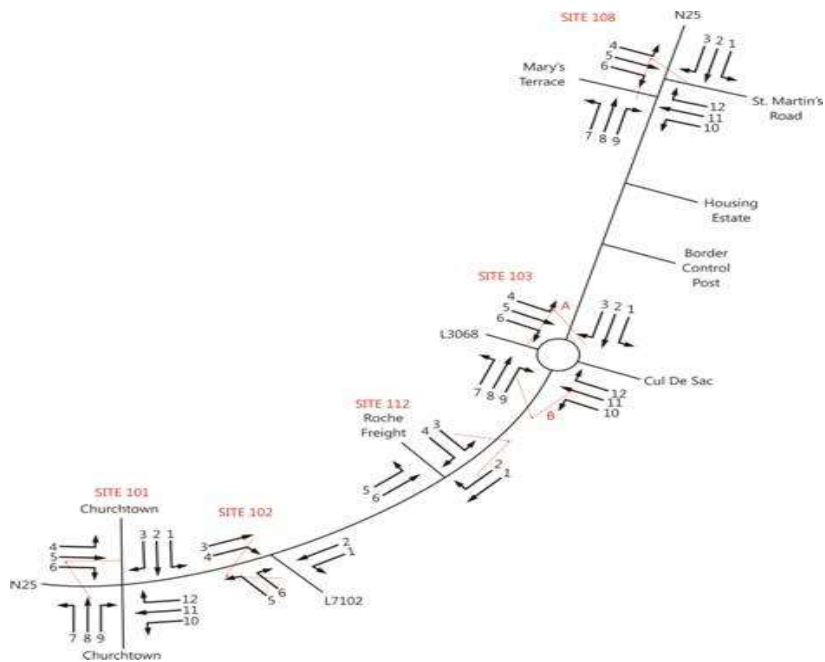
Operational Phase - 2028	
Total PCU	818

Operational Phase - 2040	
Total PCU	1007

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition		AM/PM	DO SOMETHING
Appendix:	17.3.1C		



2024 - 24 Hour (PCU)	10473
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2027	
24 Hour Flow (PCU)	11136
Construction Traffic (PCU)	528
% Impact	4.74%

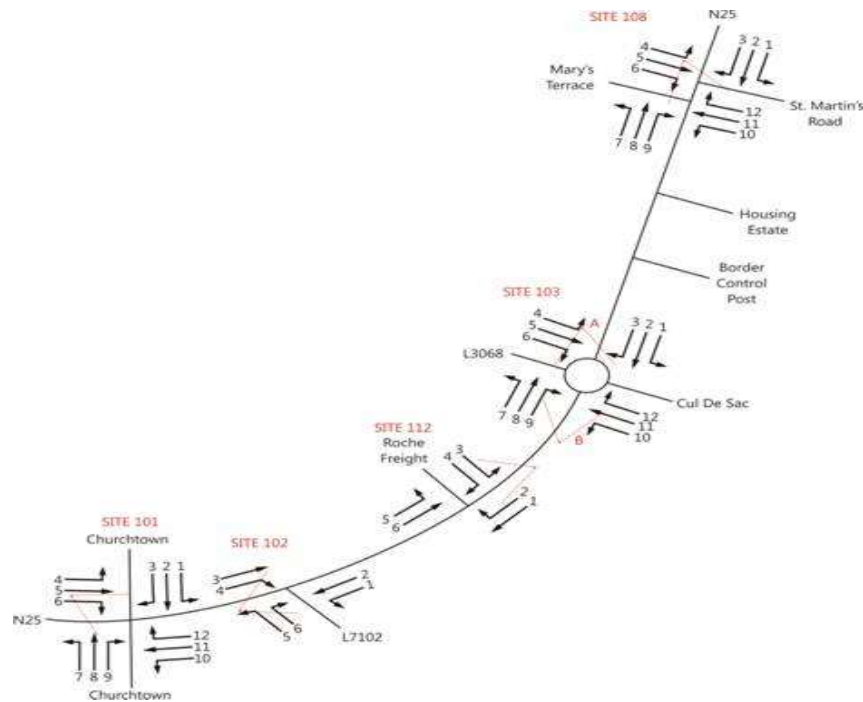
HGV	%
678	14.88%

721	14.88%
160	1.44%

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	CONSTRUCTION	AM/PM	DO SOMETHING
Appendix:	17.3.2 - 101		



2024 - 24 Hour (PCU)	9958
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2027	
24 Hour Flow (PCU)	10588
Construction Traffic (PCU)	528
% Impact	4.99%

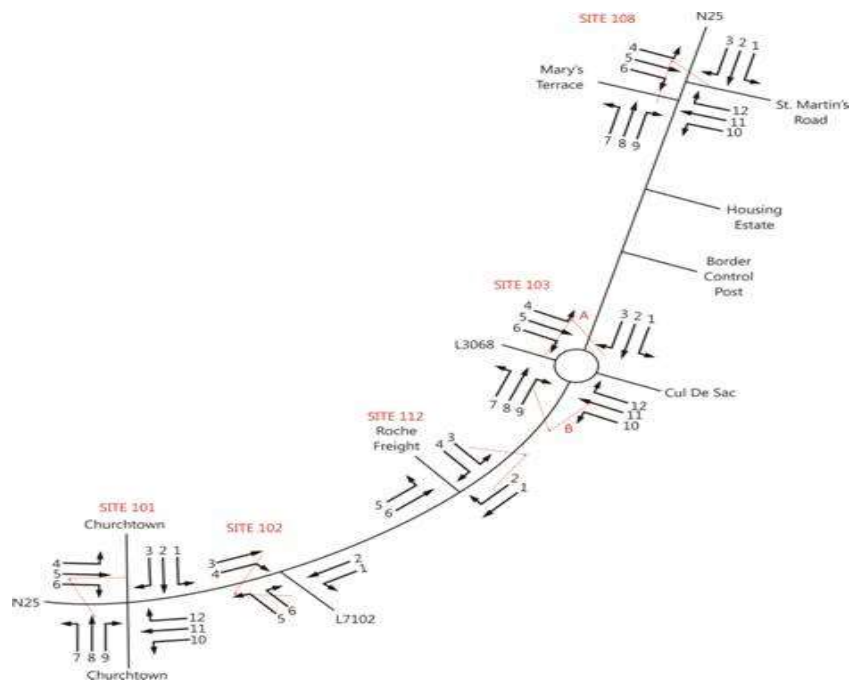
HGV	%
719	16.60%

764	16.60%
160	1.51%

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	CONSTRUCTION	AM/PM	DO SOMETHING
Appendix:	17.2.3 - 102		



2024 - 24 Hour (PCU)	8637
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2027	
24 Hour Flow (PCU)	9184
Construction Traffic (PCU)	528
% Impact	5.75%

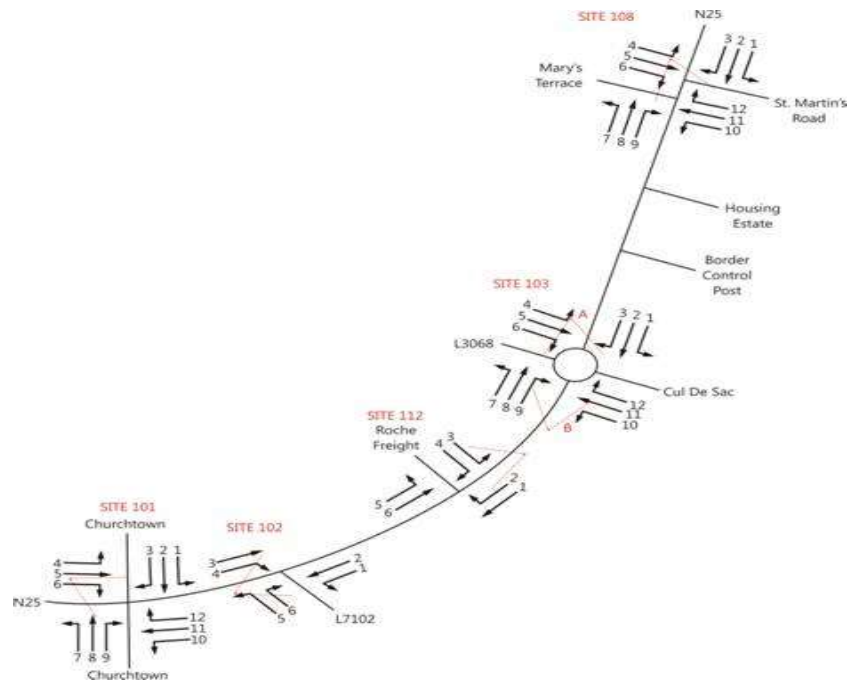
HGV	%
740	19.70%

787	19.70%
160	1.74%

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	CONSTRUCTION	AM/PM	DO SOMETHING
Appendix:	17.3.4 - 103		



2024 - 24 Hour (PCU)	8770
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2027	
24 Hour Flow (PCU)	9325
Construction Traffic (PCU)	528
% Impact	5.66%

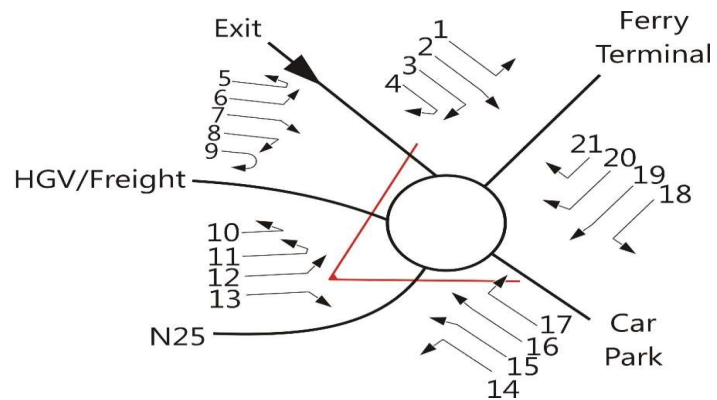
HGV	%
629	16.50%

669	16.50%
160	1.72%

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
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	Year	Time	Scenario
Flow Condition	CONSTRUCTION	AM/PM	DO SOMETHING
Appendix:	17.3.5 - 108		



2024 - 24 Hour (PCU)	4614
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HGV	%
698	34.80%

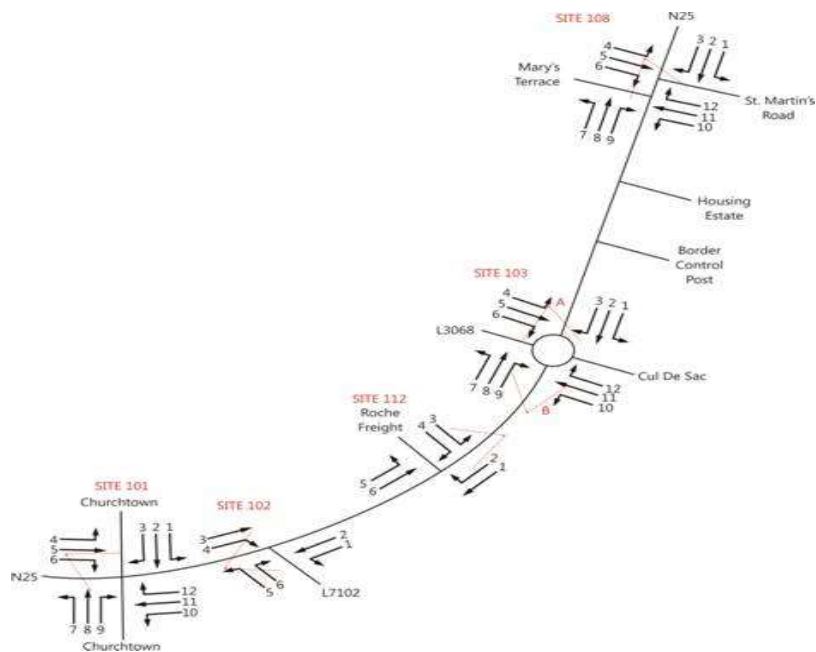
2027	
24 Hour Flow (PCU)	4906
Construction Traffic (PCU)	528
% Impact	10.76%

742	34.80%
160	3.26%

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	CONSTRUCTION	AM/PM	DO SOMETHING
Appendix:	17.3.6 - 111		



2024 - 24 Hour (PCU)	8090
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2027	
24 Hour Flow (PCU)	8603
Construction Traffic (PCU)	528
% Impact	6.14%

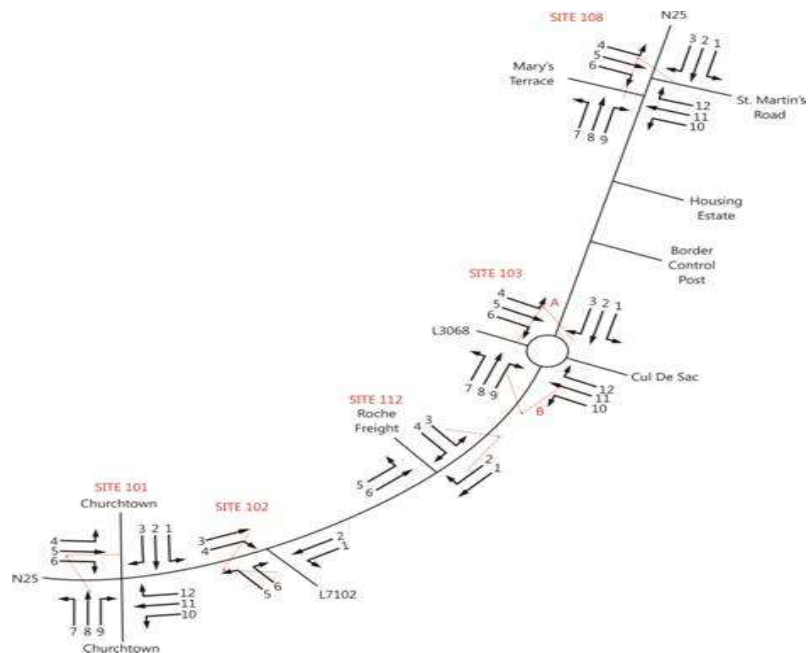
HGV	%
995	28.30%

1058	28.30%
160	1.86%

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	CONSTRUCTION	AM/PM	DO SOMETHING
Appendix:	17.3.7 - 112		



2024 - 24 Hour (PCU)	10473
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2028	
24 Hour Flow (PCU)	11357
Operational Traffic (PCU)	818
% Impact	7.20%

2040	
24 Hour Flow (PCU)	13014
Operational Traffic (PCU)	1007
% Impact	7.74%

HGV	%
678	14.88%

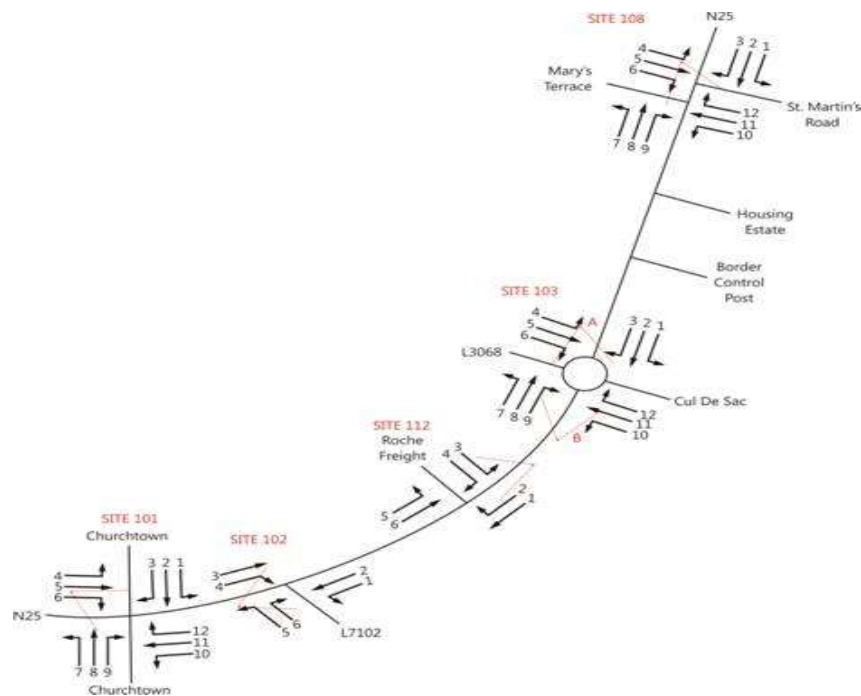
735	14.88%
51	0.45%

842	14.88%
134	1.03%

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	OPERATIONAL	AM/PM	DO SOMETHING
Appendix:	17.3.8 - 101		



2024 - 24 Hour (PCU)	9958
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2028	
24 Hour Flow (PCU)	10798
Operational Traffic (PCU)	818
% Impact	7.58%

2040	
24 Hour Flow (PCU)	12374
Operational Traffic (PCU)	1007
% Impact	8.14%

HGV	%
644	14.88%

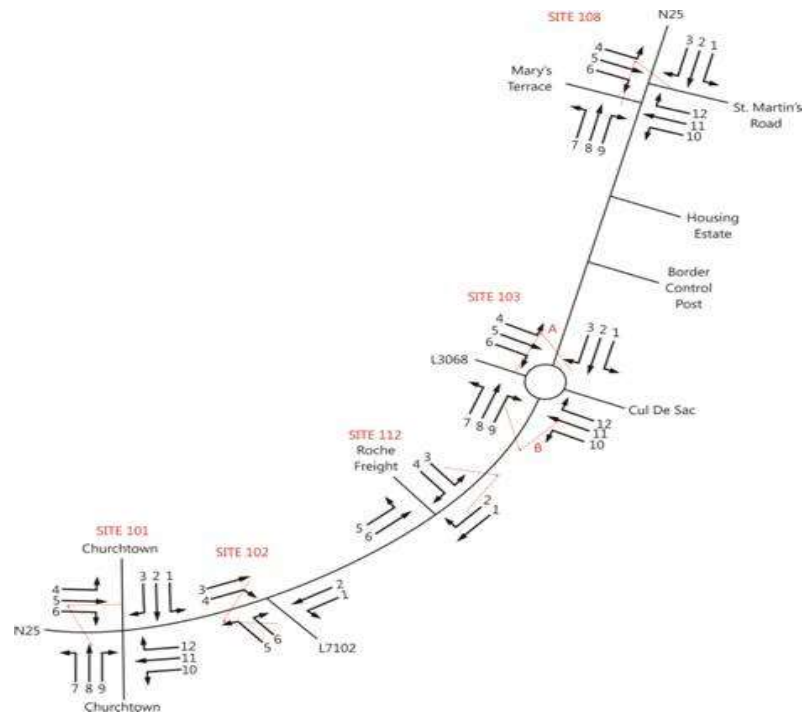
699	14.88%
51	0.47%

801	14.88%
134	1.08%

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	OPERATIONAL	AM/PM	DO SOMETHING
Appendix:	17.3.9 - 102		



2024 - 24 Hour (PCU)	8637
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2028	
24 Hour Flow (PCU)	9366
Operational Traffic (PCU)	818
% Impact	8.73%

2040	
24 Hour Flow (PCU)	10732
Operational Traffic (PCU)	1007
% Impact	9.38%

HGV	%
559	14.88%

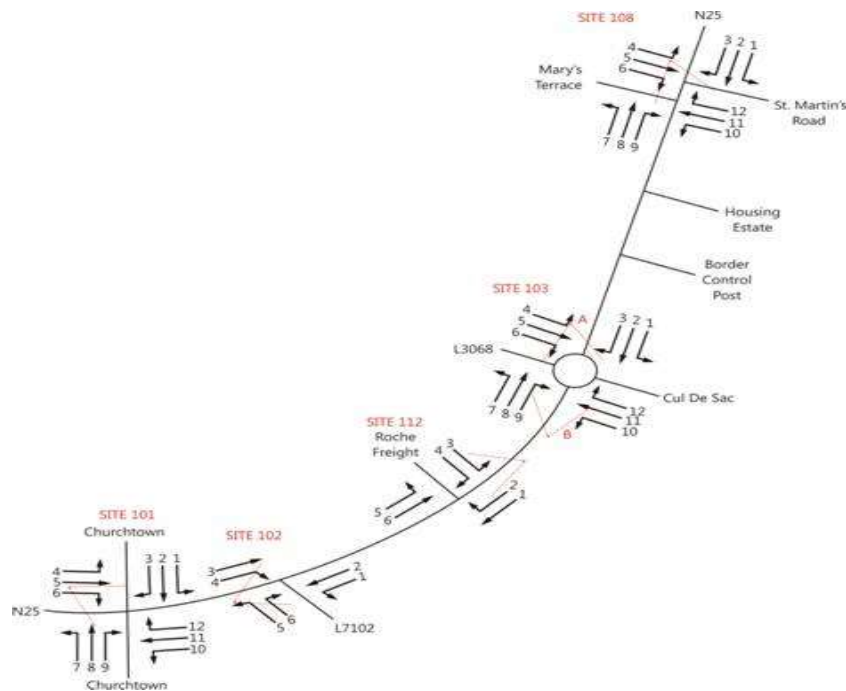
606	14.88%
51	0.54%

694	14.88%
134	1.25%

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	OPERATIONAL	AM/PM	SOMETHING
Appendix:	17.3.10 - 103		



2024 - 24 Hour (PCU)	8770
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2028	
24 Hour Flow (PCU)	9510
Operational Traffic (PCU)	818
% Impact	8.60%

2040	
24 Hour Flow (PCU)	10897
Operational Traffic (PCU)	1007
% Impact	9.24%

HGV	%
567	14.88%

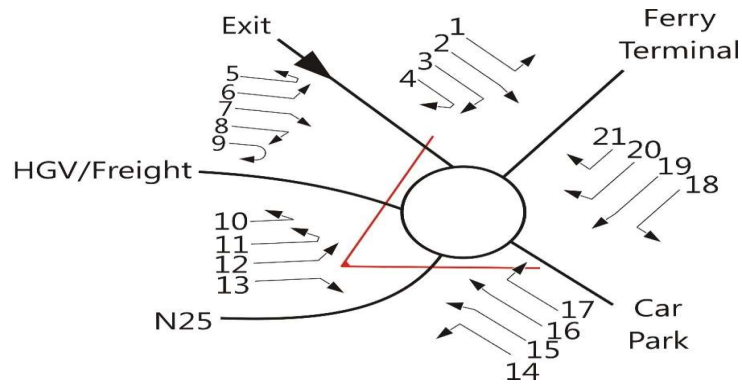
615	14.88%
51	0.54%

705	14.88%
134	1.23%

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	OPERATIONAL	AM/PM	DO SOMETHING
Appendix:	17.3.11 - 108		



2024 - 24 Hour (PCU)	4614
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2028	
24 Hour Flow (PCU)	5003
Operational Traffic (PCU)	818
% Impact	16.35%

2040	
24 Hour Flow (PCU)	5733
Operational Traffic (PCU)	1007
% Impact	17.56%

HGV	%
299	14.88%

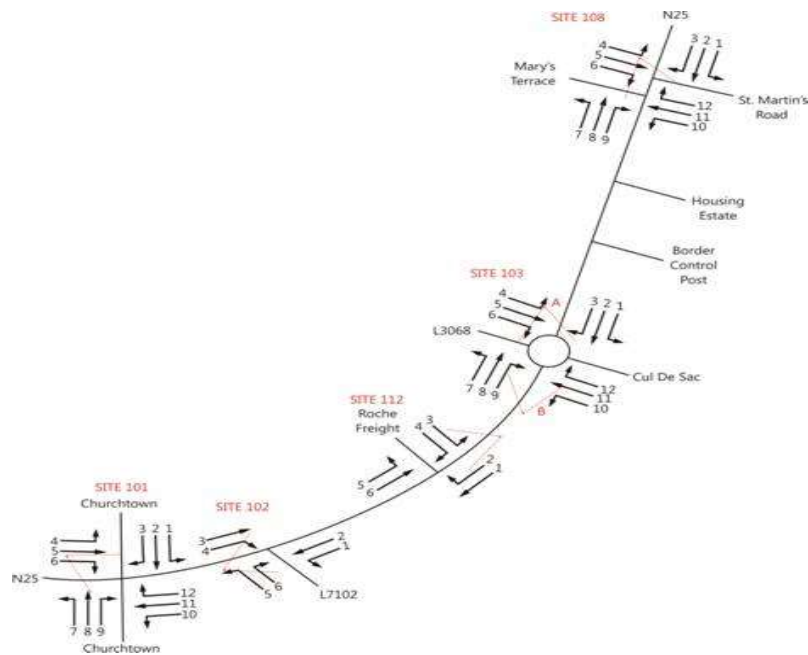
324	14.88%
51	1.02%

371	14.88%
134	2.34%

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	OPERATIONAL	AM/PM	DO SOMETHING
Appendix:	17.3.12 - 111		



2024 - 24 Hour (PCU)	8090
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2028	
24 Hour Flow (PCU)	8773
Operational Traffic (PCU)	818
% Impact	9.32%

2040	
24 Hour Flow (PCU)	10053
Operational Traffic (PCU)	1007
% Impact	10.02%

HGV	%
523	14.88%

568	14.88%
51	0.58%

650	14.88%
134	1.33%

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	OPERATIONAL	AM/PM	DO SOMETHING
Appendix:	17.3.13 - 112		

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	SUMMARY	AM/PM	SUMMARY
Appendix:	17.3.14 - SUMMARY		

PCU									
Road Link	Road Name	Base Year 2024 24-Hr Flows (PCU)	Construction Year 2027 24- Hr Flows (PCU)		Opening Year 24- Hr Flows 2028 (PCU)		Design Year 24-Hr Flows 2040 (PCU)		
			DM	DS	DM	DS	DM	DS	
Link 1 - 101	Churchtown/N25	10473	11136	11664	11357	11975	13014	13821	
Link 2 - 102	L7102/N25	9958	10588	11116	10798	11416	12374	13181	
Link 3 - 103	Roche Freight/N25	8637	9184	9712	9366	9984	10732	11539	
Link 4 - 108	L3068/N25	8770	9325	9853	9510	10128	10897	11704	
Link 5 - 111	Port Access/N25	4614	4906	5434	5003	5621	5733	6540	
Link 6 -112	St Mary's Terrace/N25	8090	8603	9131	8773	9391	10053	10860	

HGV									
Road Link	Road Name	Base Year 2024 24-Hr Flows (HGV)	Construction Year 2027 24- Hr Flows (HGV)		Opening Year 24- Hr Flows 2028 (HGV)		Design Year 24-Hr Flows 2040 (HGV)		
			DM	DS	DM	DS	DM	DS	
Link 1 - 101	Churchtown/N25	678	721	881	735	786	842	975	
Link 2 - 102	L7102/N25	719	764	924	699	750	801	934	
Link 3 - 103	Roche Freight/N25	740	787	947	606	657	694	828	
Link 4 - 108	L3068/N25	629	669	829	615	667	705	839	
Link 5 - 111	Port Access/N25	698	742	902	324	375	371	504	
Link 6 -112	St Mary's Terrace/N25	995	1058	1218	568	619	650	784	

Non HGV									
Road Link	Road Name	Base Year 2024 24-Hr Flows	Construction		Opening Year 24- Hr Flows 2028		Design Year 24-Hr		
			DM	DS	DM	DS	DM	DS	
Link 1 - 101	Churchtown/N25	9795	10415	10783	10622	11189	12172	12845	
Link 2 - 102	L7102/N25	9239	9824	10192	10100	10666	11573	12246	
Link 3 - 103	Roche Freight/N25	7897	8397	8765	8760	9326	10038	10711	
Link 4 - 108	L3068/N25	8140	8656	9024	8894	9461	10192	10866	
Link 5 - 111	Port Access/N25	3916	4164	4532	4680	5246	5362	6036	
Link 6 -112	St Mary's Terrace/N25	7095	7544	7912	8206	8772	9403	10076	

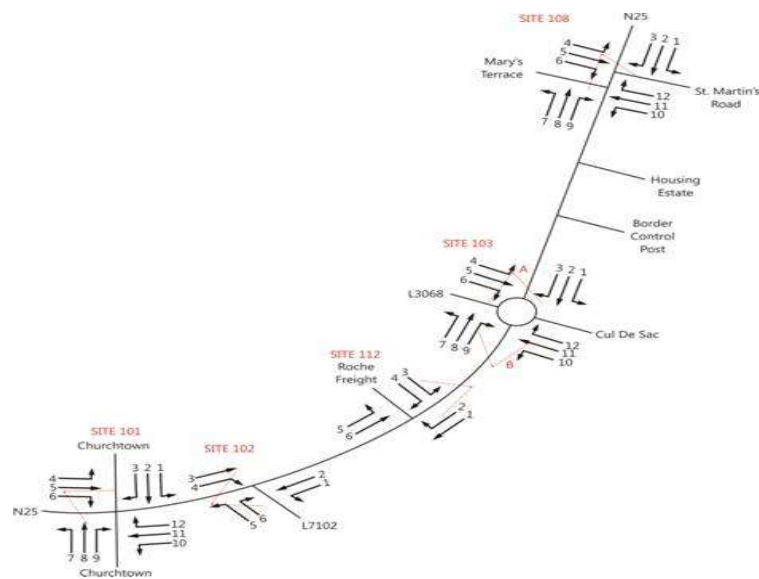
Appendix 17.4: Cumulative Impact

314015 - 25 REAR Peak Construction Movements							
Construction Phase				Operational Phase			
Activity	Movement		PCU	Activity	Movement		PCU
Earthworks - Fill	54	per day (two way)	124.2				
Earthworks - Cuit	22	per day (two way)	50.6				
Pavement	10	per day (two way)	23				
Concrete	10	per day (two way)	23				
Incidental Materials	10	per day (two way)	23				
Precast Concrete Beams	10	Cars per day (two way)	23			Cars per day (two way)	
Concrete Pour	48	Trucks per day (two way)	48				
Personnel - Construction	87	per day (two way)	87				
Sub Total	251		401.8				
20211322 - Rosslare Europort Terminal 7							
Construction Phase				Operational Phase			
2 Two Way Trips Per Hour	48		110.4	Personnel - Site Prep	180	per day (two way)	180
Total Movements	550	Total PCU	512.2	Total Movements	180	Total PCU	180

PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	2023	AM/PM	CUMULATIVE IMPACT
Appendix:	17.4.1		

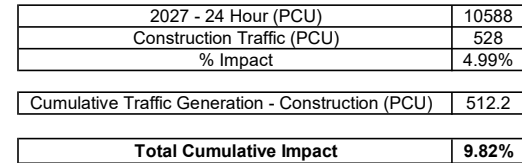


2027 - 24 Hour (PCU)	11136	
Construction Traffic (PCU)	528	
% Impact	4.74%	
Cumulative Traffic Generation - Construction (PCU)		512.2
Total Cumulative Impact		9.34%

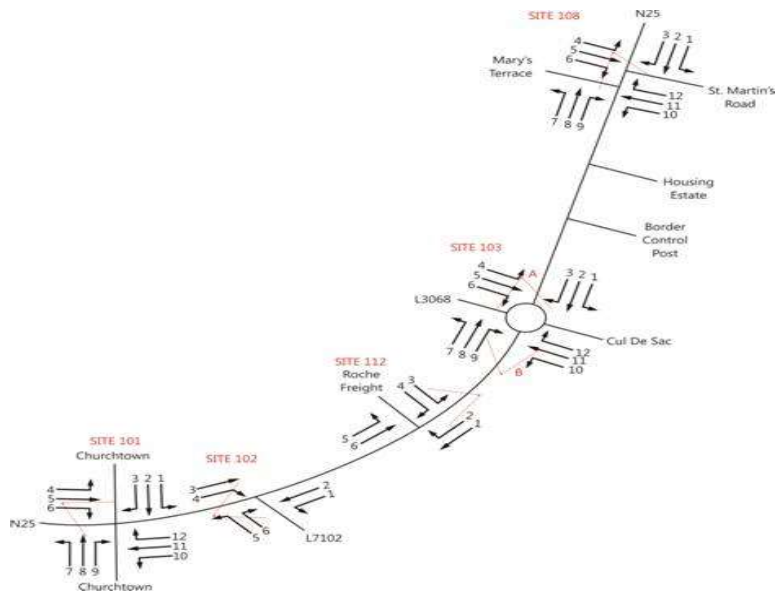
PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
Flow Condition	Year	Time	Scenario
	CONSTRUCTION	AM/PM	CUMULATIVE IMPACT
Appendix:	17.4.2 - 101		



Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	CONSTRUCTION	AM/PM	CUMULATIVE IMPACT
Appendix:	17.4.3 - 102		



2027 - 24 Hour (PCU)	9184
Construction Traffic (PCU)	528
% Impact	5.75%

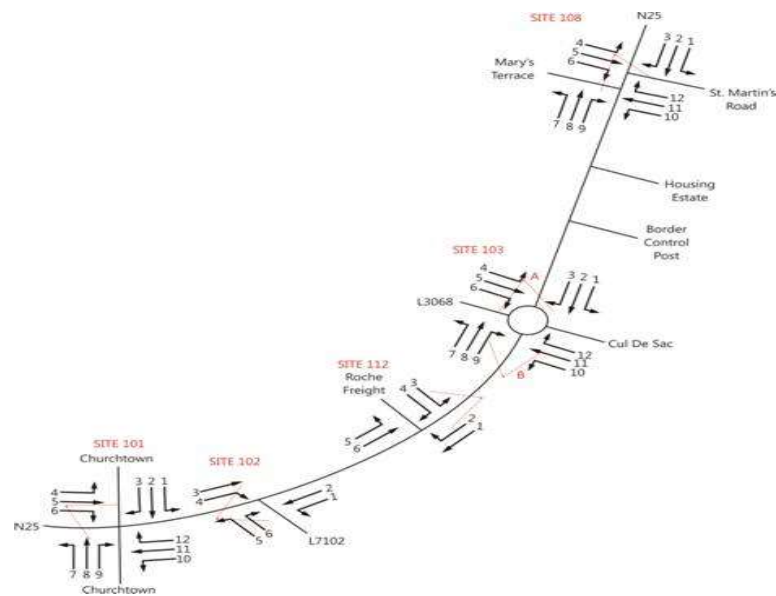
Cumulative Traffic Generation - Construction (PCU)	512.2
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Total Cumulative Impact	11.33%
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PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	CONSTRUCTION	AM/PM	CUMULATIVE IMPACT
Appendix:	17.4.4 - 103		



2027 - 24 Hour (PCU)	9325
Construction Traffic (PCU)	528
% Impact	5.66%

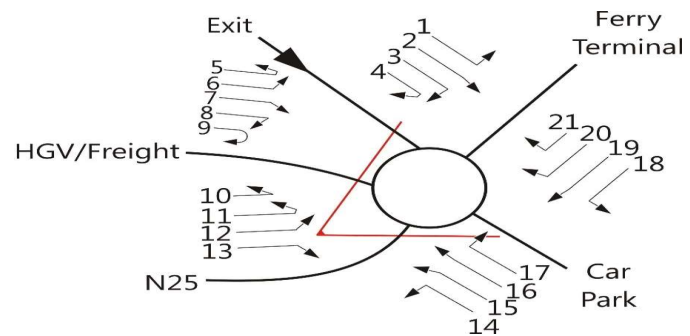
Cumulative Traffic Generation - Construction (PCU)	110.4
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Total Cumulative Impact	6.85%
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PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	CONSTRUCTION	AM/PM	CUMULATIVE IMPACT
Appendix:	17.4.5 - 108		



2027 - 24 Hour (PCU)	4906
Construction Traffic (PCU)	528
% Impact	10.76%

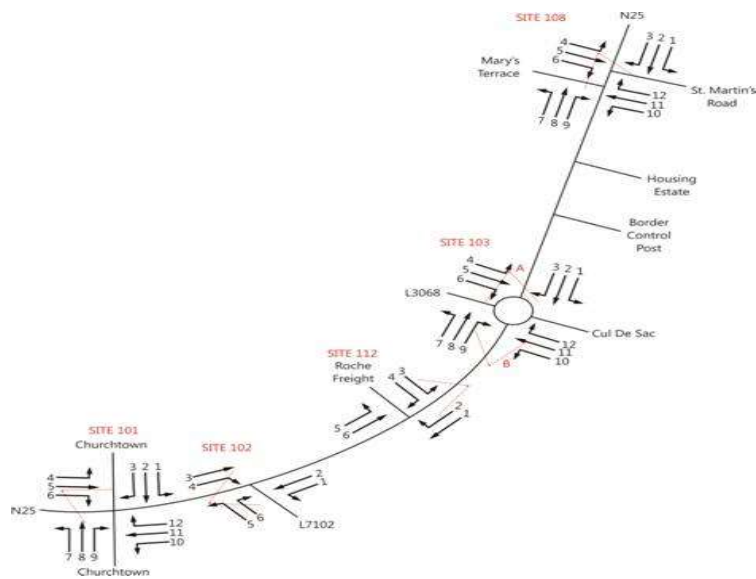
Cumulative Traffic Generation - Construction (PCU)	110.4
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Total Cumulative Impact	13.01%
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PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	CONSTRUCTION	AM/PM	CUMULATIVE IMPACT
Appendix:	17.4.6 - 111		



2027 - 24 Hour (PCU)	8603
Construction Traffic (PCU)	528
% Impact	6.14%

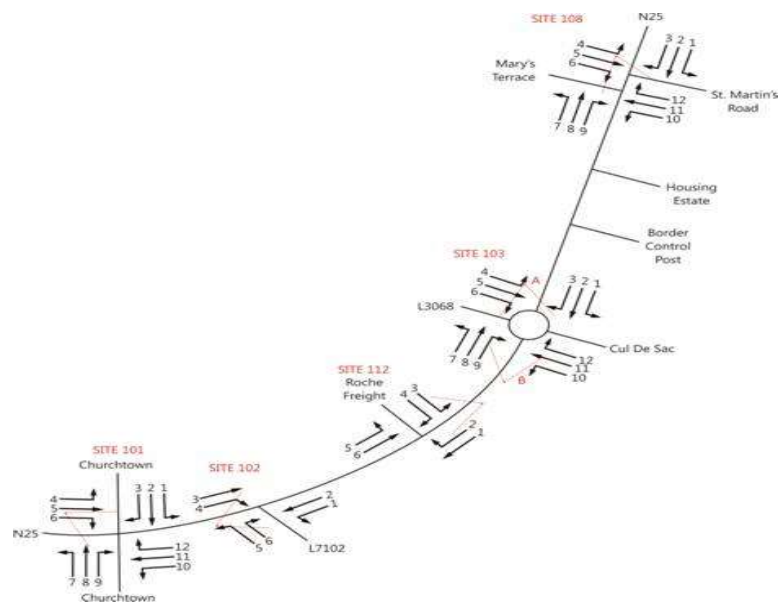
Cumulative Traffic Generation - Construction (PCU)	512.2
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Total Cumulative Impact	12.09%
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PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	CONSTRUCTION	AM/PM	CUMULATIVE IMPACT
Appendix:	17.4.7 - 112		



2024 - 24 Hour (PCU)	10473
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2028	
24 Hour Flow (PCU)	11357
Operational Traffic (PCU)	998
% Impact	8.79%

2040	
24 Hour Flow (PCU)	13014
Operational Traffic (PCU)	1187
% Impact	9.12%

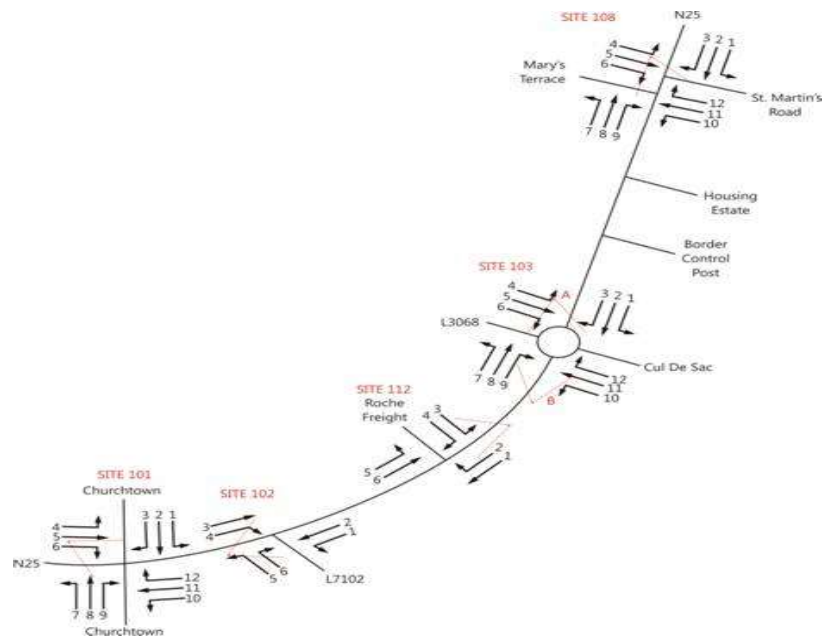
Development Traffic - 2028 (PCU)	818
Development Traffic - 2040 (PCU)	1007

Cumulative Traffic (PCU)	180
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PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	OPERATIONAL	AM/PM	CUMULATIVE IMPACT
Appendix:	17.4.8 - 101		



2024 - 24 Hour (PCU)	9958
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2028	
24 Hour Flow (PCU)	10798
Operational Traffic (PCU)	998
% Impact	9.24%

2040	
24 Hour Flow (PCU)	12374
Operational Traffic (PCU)	1187
% Impact	9.60%

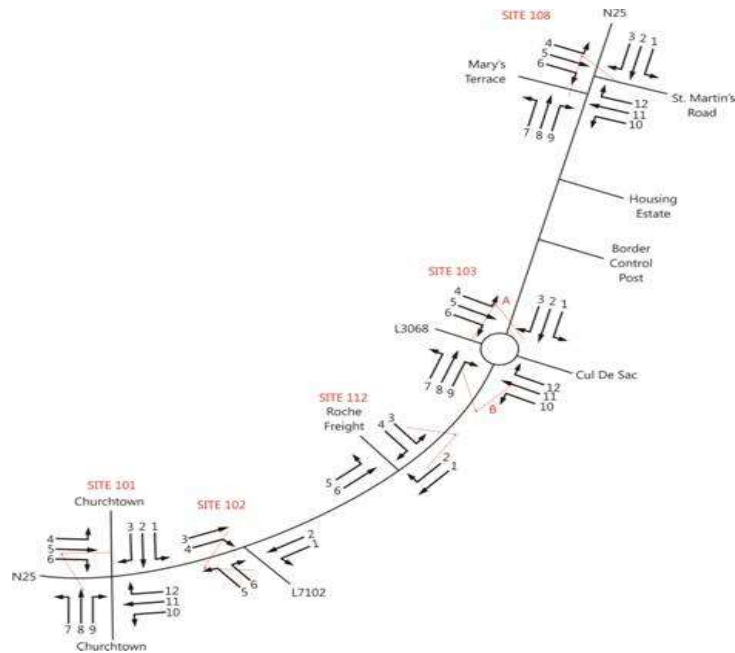
Development Traffic - 2028 (PCU)	818
Development Traffic - 2040 (PCU)	1007

Cumulative Traffic (PCU)	180
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PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	OPERATIONAL	AM/PM	CUMULATIVE IMPACT
Appendix:	17.4.9 - 102		



2024 - 24 Hour (PCU)	8637
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2028	
24 Hour Flow (PCU)	9366
Operational Traffic (PCU)	998
% Impact	10.66%

2040	
24 Hour Flow (PCU)	10732
Operational Traffic (PCU)	1187
% Impact	11.06%

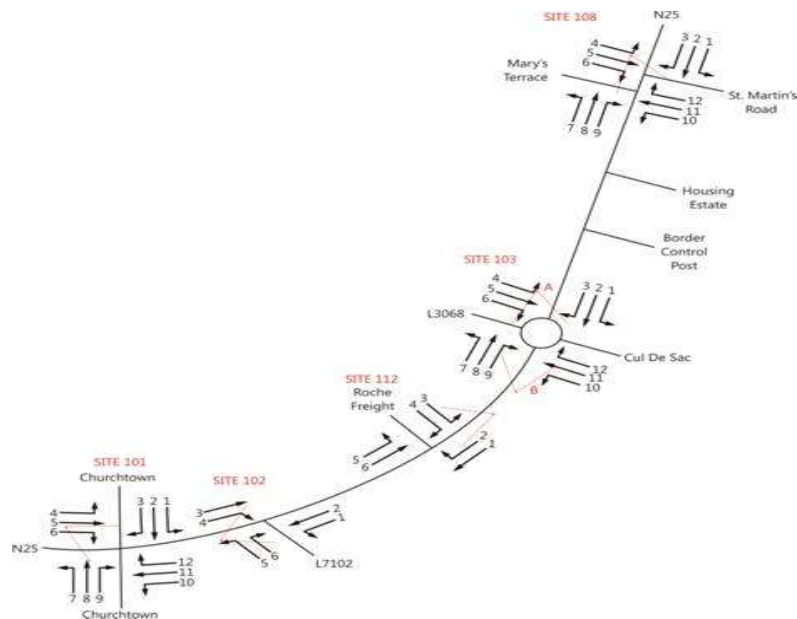
Development Traffic - 2028 (PCU)	818
Development Traffic - 2040 (PCU)	1007

Cumulative Traffic (PCU)	180
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PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	OPERATIONAL	AM/PM	RELATIVE IMPACT
Appendix:	17.4.10 - 103		



2024 - 24 Hour (PCU)	8770
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2028	
24 Hour Flow (PCU)	9510
Operational Traffic (PCU)	998
% Impact	10.49%

2040	
24 Hour Flow (PCU)	10897
Operational Traffic (PCU)	1187
% Impact	10.90%

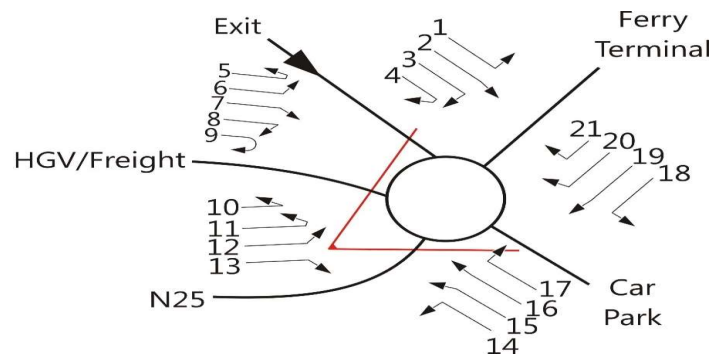
Development Traffic - 2028 (PCU)	818
Development Traffic - 2040 (PCU)	1007

Cumulative Traffic (PCU)	180
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PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	OPERATIONAL	AM/PM	CUMULATIVE IMPACT
Appendix:	17.4.11 - 108		



2024 - 24 Hour (PCU)	4614
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2028	
24 Hour Flow (PCU)	5003
Operational Traffic (PCU)	998
% Impact	19.95%

2040	
24 Hour Flow (PCU)	5733
Operational Traffic (PCU)	1187
% Impact	20.71%

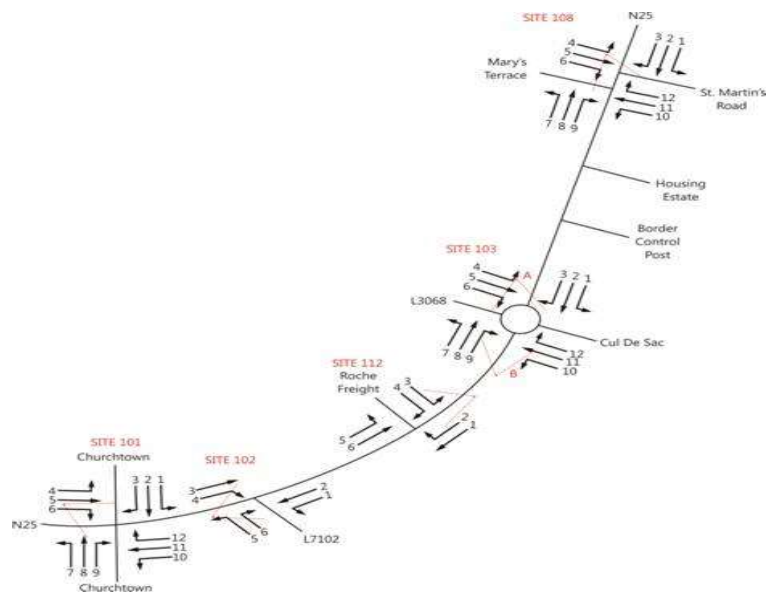
Development Traffic - 2028 (PCU)	818
Development Traffic - 2040 (PCU)	1007

Cumulative Traffic (PCU)	180
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PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	OPERATIONAL	AM/PM	CUMULATIVE IMPACT
Appendix:	17.4.12- 111		



2024 - 24 Hour (PCU)	8090
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2028	
24 Hour Flow (PCU)	8773
Operational Traffic (PCU)	998
% Impact	9.09%

2040	
24 Hour Flow (PCU)	10053
Operational Traffic (PCU)	1187
% Impact	9.82%

Development Traffic - 2028 (PCU)	818
Development Traffic - 2040 (PCU)	1007

Cumulative Traffic (PCU)	180
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PINNACLE

CONSULTING ENGINEERS

Job Number:	P230900527		
Project	Rosslare Europort Offshore Renewable Energy Hub		
	Year	Time	Scenario
Flow Condition	OPERATIONAL	AM/PM	CUMULATIVE IMPACT
Appendix:	17.4.13 - 112		