

Sure Partners Limited

ARKLOW BANK WIND PARK
PHASE 2

**ONSHORE GRID
INFRASTRUCTURE**

VOLUME III

Chapter 13 APPENDICES

Appendix 13.1 Traffic Counts

ARUP

 **sse**
Renewables

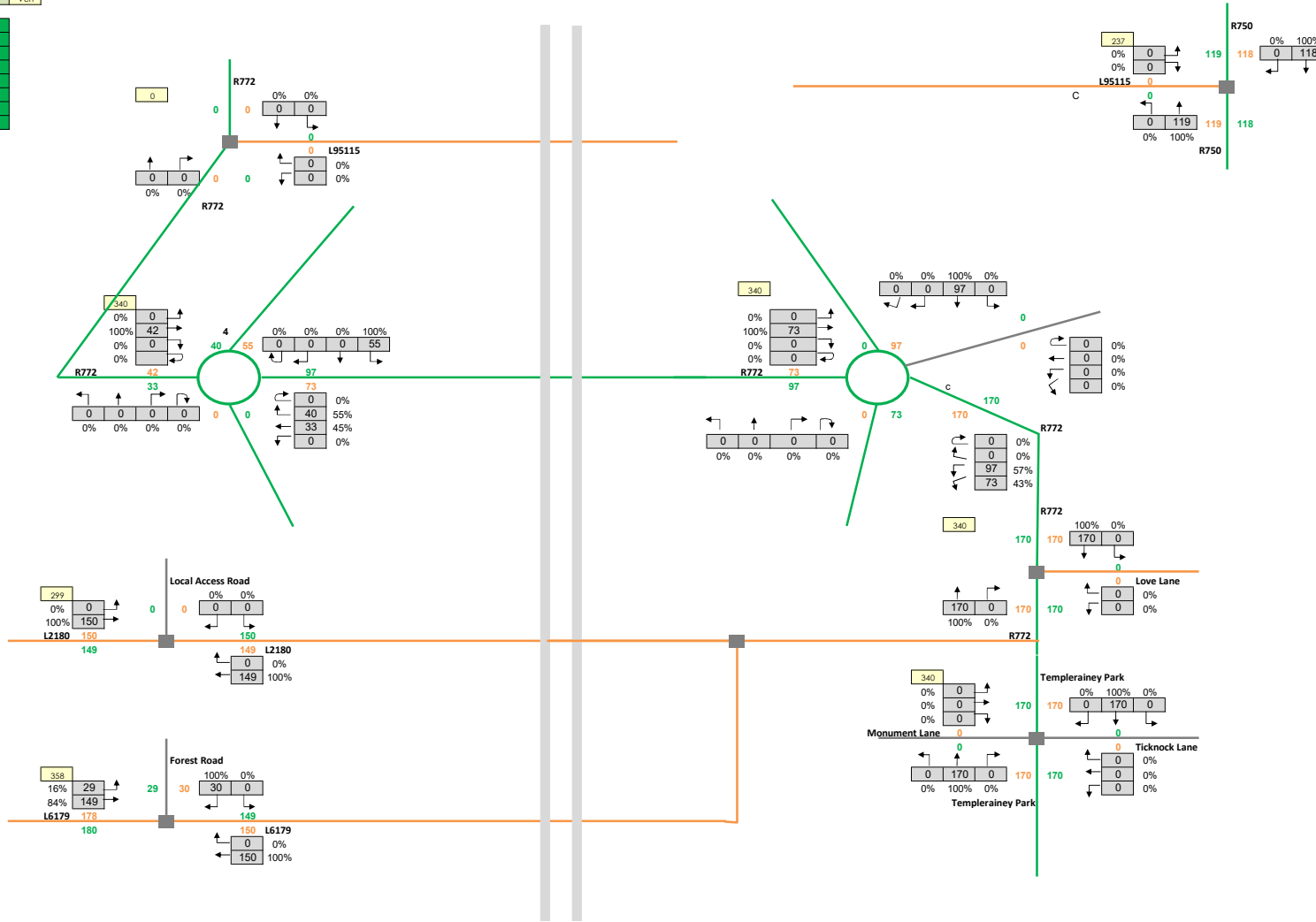
Appendix 13.1

Traffic Counts

ARUP	Job No.	Sheet No.	Rev.
	000000-00		
	Member/Location		
Job Title	OGI Traffic Counts		
Calculation	Drig. Ref.	Made by	Date
		NM	
			Chd.

Year	2023
Start time	06:00
End time	20:00
Units	Veh

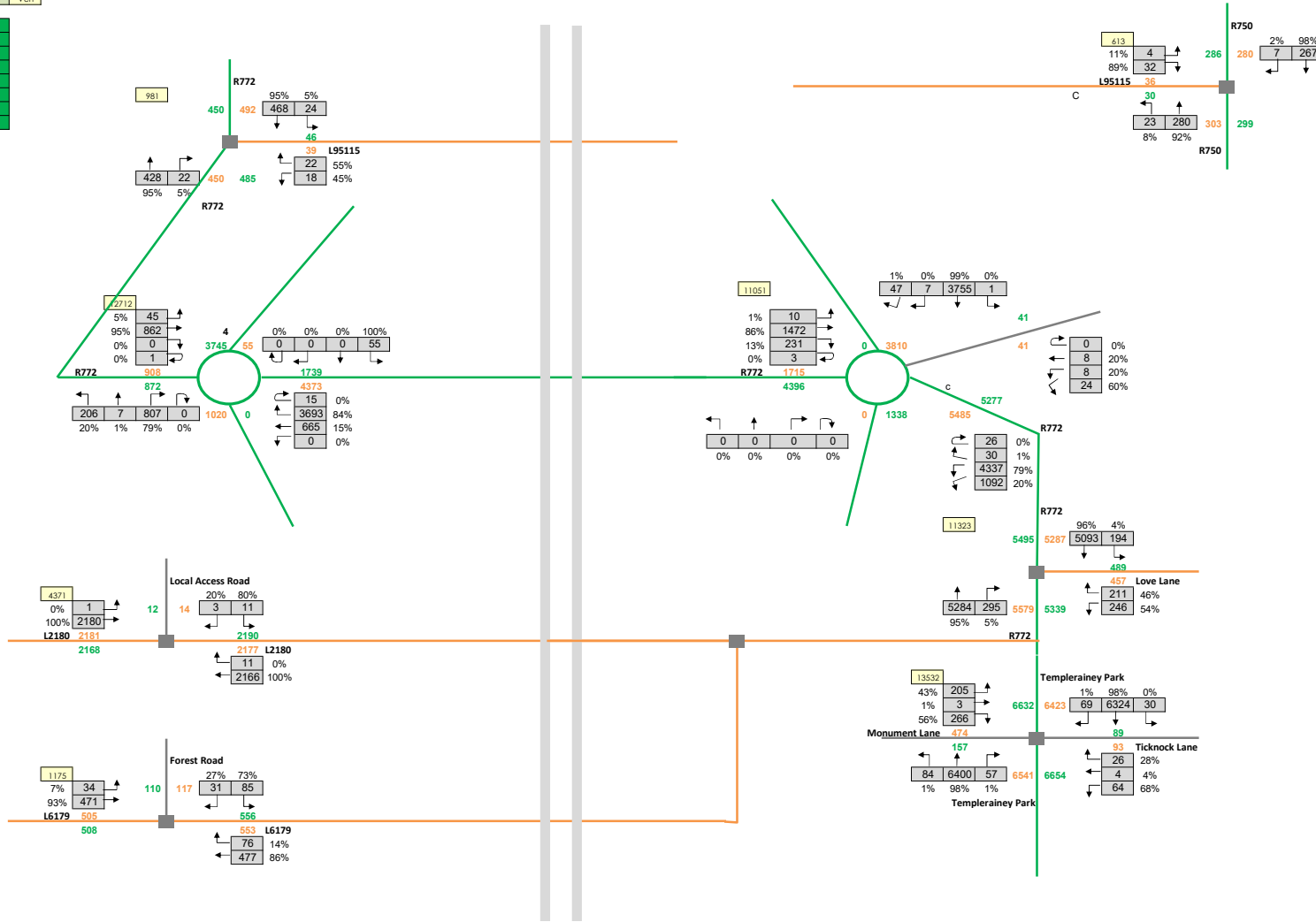
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MCL	1
CAR	1
TAXI	1
LGV	1
OGV1	1
OGV2	1
PSV	1



ARUP	Job No.	Sheet No.	Rev.
	000000-00		
Job Title	Member/Location		
OGI Traffic Counts	Dirg. Ref.		
Calculation	Made by	Date	Chd.
	NM		

Year	2023
Start time	06:00
End time	20:00
Units	Veh

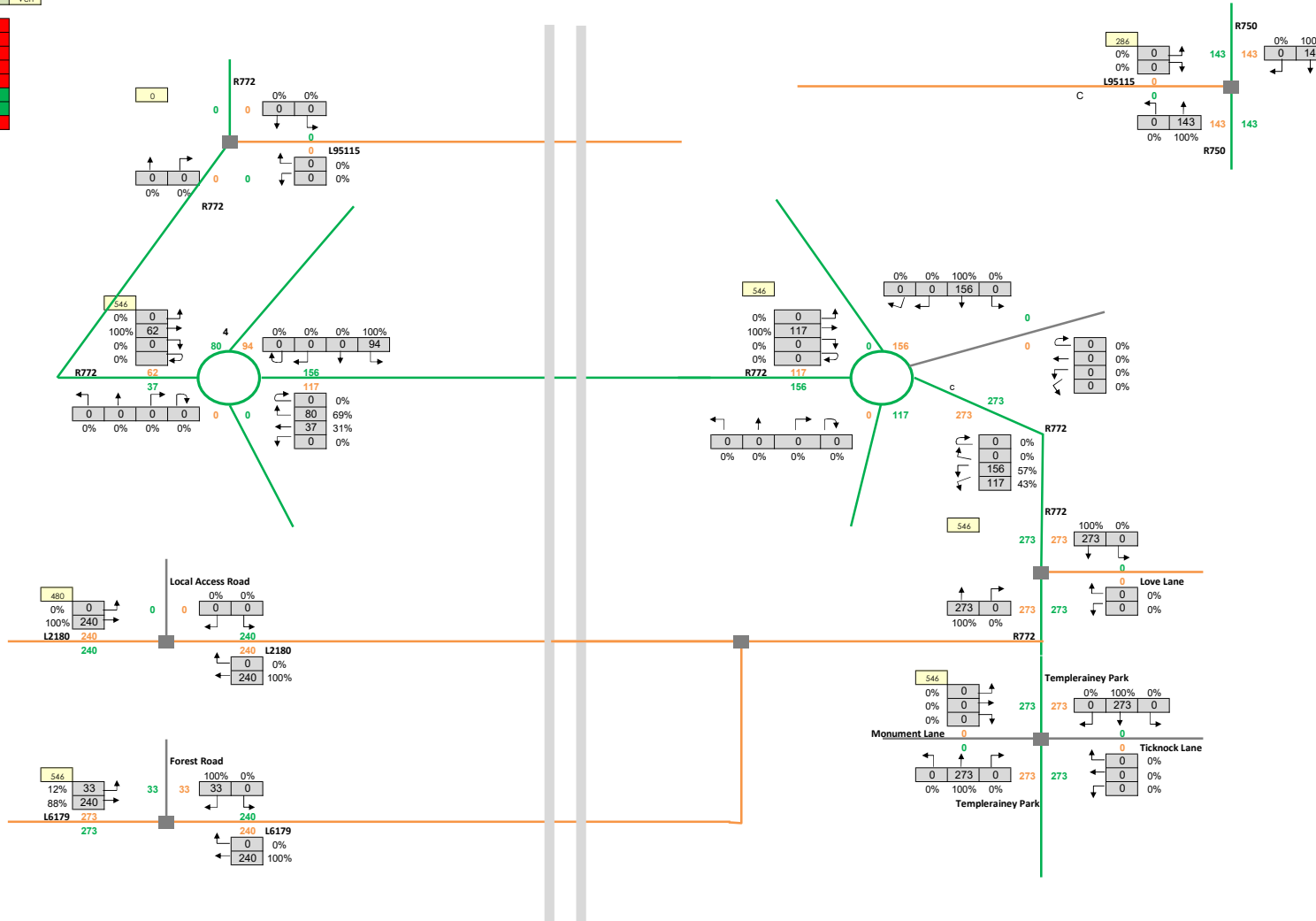
PCL	1
MCL	1
CAR	1
TAXI	1
LGV	1
OGV1	1
OGV2	1
PSV	1



ARUP	Job No.	Sheet No.	Rev.
	000000-00		
Job Title	Member/Location		
OGI Traffic Counts	Dirg. Ref.		
Calculation	Made by	Date	Chd.
	NM		

Year	2023
Start time	06:00
End time	20:00
Units	Veh

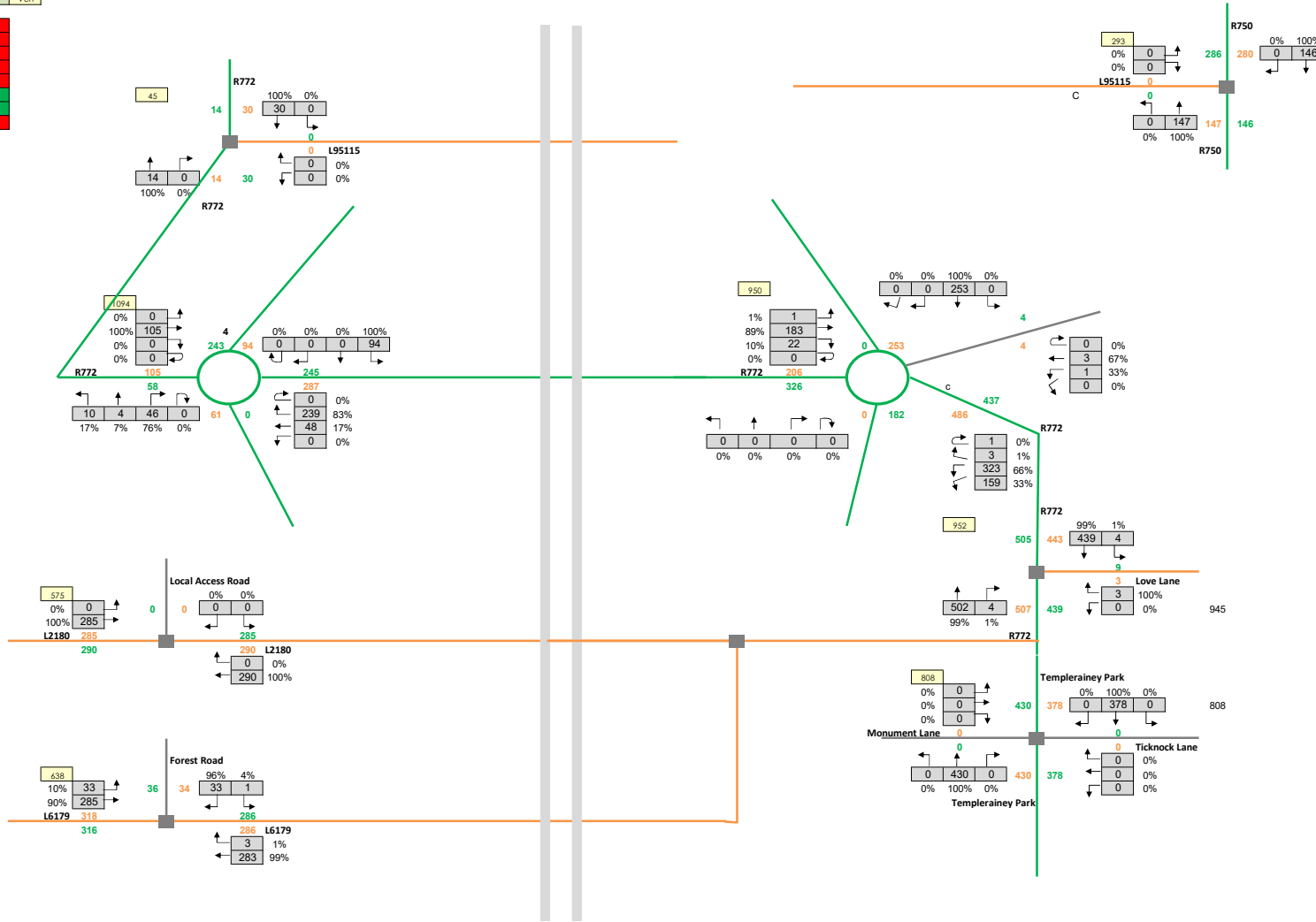
PCL	0
MCL	0
CAR	0
TAXI	0
LGV	0
OGV1	1
OGV2	1
PSV	0



ARUP	Job No.	Sheet No.	Rev.
	000000-00		
Job Title	Member/Location		
OGI Traffic Counts	Dirg. Ref.		
Calculation	Made by	Date	Chd.
	NM		

Year	2023
Start time	06:00
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Units	Veh

PCL	0
MCL	0
CAR	0
TAXI	0
LGV	0
OGV1	1
OGV2	1
PSV	0



Traffic Changes On Each Link In The Study Area - 14 hrs Traffic AM Peak

Location	Link	2023 without Devt				Devt		2023 With Devt				Increase in Traffic		
		All traffic	LV	HGV	HGV (%)	LV	HGV	All traffic	LV	HGV	HGV (%)	Total	LV	HGV
1	R750 sea/coast road	15	15	0	0%	61	29	105	76	29	27%	597%	61	29
	L95115	4	4	0	0%	0	0	4	4	0	0%	0%	0	0
2	R772 Dublin road	956	924	32	3%	90	54	1100	1014	86	8%	15%	90	54
	Love Lane	87	87	0	0%	0	0	87	87	0	0%	0%	0	0
3	R772 Dublin road	979	946	33	3%	90	54	1123	1036	87	8%	15%	90	54
4	R772 Dublin road	642	619	23	4%	45	27	714	664	50	7%	11%	45	27
5	R772 Dublin road	76	69	7	10%	0	0	76	69	7	9%	0%	0	0
	L95115	6	6	0	0%	0	0	6	6	0	0%	0%	0	0
6	Local Access Road	1	1	0	0%	0	0	1	1	0	0%	0%	0	0
	L2180 Beech Road	336	331	5	2%	81	48	465	412	53	11%	38%	81	48
7	Forest Road	12	12	0	0%	16	7	34	28	7	19%	185%	16	7
	L6179 Kilbride Road	97	91	6	7%	81	48	226	172	54	24%	133%	81	48
8	R772 Dublin road (Templerainey Park)	1034	1010	24	2%	90	54	1178	1100	78	7%	14%	90	54
	Ticknock Lane	20	20	0	0%	0	0	20	20	0	0%	0%	0	0
	Monument Lane	35	35	0	0%	0	0	35	35	0	0%	0%	0	0

Traffic Changes On Each Link In The Study Area - 14 hrs Traffic PM Peak

Location	Link	2023 without Devt				Devt		2023 With Devt				Increase in Traffic		
		All traffic	LV	HGV	HGV (%)	LV	HGV	All traffic	LV	HGV	HGV (%)	Total	LV	HGV
1	R750 sea/coast road	42	42	0	0%	61	29	132	103	29	22%	213%	61	29
	L95115	9	9	0	0%	0	0	9	9	0	0%	0%	0	0
2	R772 Dublin road	963	934	29	3%	90	54	1107	1024	83	8%	15%	90	54
	Love Lane	95	94	1	1%	0	0	95	94	1	1%	0%	0	0
3	R772 Dublin road	976	950	26	3%	90	54	1120	1040	80	7%	15%	90	54
4	R772 Dublin road	471	453	18	4%	45	27	543	498	45	8%	15%	45	27
5	R772 Dublin road	96	95	1	1%	0	0	96	95	1	1%	0%	0	0
	L95115	12	12	0	0%	0	0	12	12	0	0%	0%	0	0
6	Local Access Road	2	2	0	0%	0	0	2	2	0	0%	0%	0	0
	L2180 Beech Road	384	382	2	1%	81	48	513	463	50	10%	34%	81	48
7	Forest Road	13	13	0	0%	16	7	35	29	7	19%	171%	16	7
	L6179 Kilbride Road	132	119	13	11%	81	48	261	200	61	23%	98%	81	48
8	R772 Dublin road (Templarainey Park)	1068	1060	8	1%	90	54	1212	1150	62	5%	14%	90	54
	Ticknock Lane	13	13	0	0%	0	0	13	13	0	0%	0%	0	0
	Monument Lane	17	17	0	0%	0	0	17	17	0	0%	0%	0	0

Traffic Changes On Each Link In The Study Area - 14 hrs Traffic

Location	Link	2023 without Devt				Devt		2023 With Devt				Increase in Traffic		
		All traffic	LV	HGV	HGV (%)	LV	HGV	All traffic	LV	HGV	HGV (%)	Total	LV	HGV
1	R750 sea/coast road	364	357	7	2%	237	286	887	594	293	33%	144%	237	286
	L95115	66	66	0	0%	0	0	66	66	0	0%	0%	0	0
2	R772 Dublin road	10553	10188	365	4%	340	545	11438	10528	910	8%	8%	340	545
	Love Lane	944	933	11	1%	0	0	944	933	11	1%	0%	0	0
3	R772 Dublin road	10397	10054	343	3%	340	545	11282	10394	888	8%	9%	340	545
4	R772 Dublin road	5928	5693	235	4%	170	272	6370	5863	507	8%	7%	170	272
5	R772 Dublin road	939	898	41	5%	0	0	939	898	41	4%	0%	0	0
	L95115	85	85	0	0%	0	0	85	85	0	0%	0%	0	0
6	Local Access Road	25	25	0	0%	0	0	25	25	0	0%	0%	0	0
	L2180 Beech Road	4059	3972	87	2%	299	479	4837	4271	566	12%	19%	299	479
7	Forrest Road	167	163	4	2%	59	66	292	222	70	24%	75%	59	66
	L6179 Kilbride Road	809	725	84	12%	299	479	1587	1024	563	35%	96%	299	479
8	R772 Dublin road (Templeraíney Park)	12825	12587	238	2%	340	545	13710	12927	783	6%	7%	340	545
	Ticknock Lane	182	182	0	0%	0	0	182	182	0	0%	0%	0	0
	Monument Lane	629	629	0	0%	0	0	629	629	0	0%	0%	0	0

Traffic Changes On Each Link In The Study Area - 18 hrs AAWT Traffic

Location	Link	2023 without Devt			Devt		2023 With Devt			Increase in Traffic
		All Veh	HGV	HGV (%)	All Veh	HGV	All Veh	HGV	HGV (%)	All Veh
1	R750 sea/coast road	399	7	2%	237	200	636	207	33%	59%
	L95115	74	0	0%	0	0	74	0	0%	0%
2	R772 Dublin road	11552	400	3%	340	476	11892	877	7%	3%
	Love Lane	1032	12	1%	0	0	1032	12	1%	0%
3	R772 Dublin road	11380	375	3%	340	476	11720	851	7%	3%
4	R772 Dublin road	6488	257	4%	170	238	6658	495	7%	3%
5	R772 Dublin road	1029	44	4%	340	476	1369	521	38%	33%
	L95115	93	0	0%	0	0	93	0	0%	0%
6	Local Access Road	29	0	0%	0	0	29	0	0%	0%
	L2180 Beech Road	4443	95	2%	299	351	4742	446	9%	7%
7	Forest Road	183	5	3%	59	22	242	27	11%	32%
	L6179 Kilbride Road	885	92	10%	299	351	1184	443	37%	34%
8	R772 Dublin road (Templerainey Park)	14038	261	2%	340	476	14378	737	5%	2%
	Ticknock Lane	200	0	0%	0	0	200	0	0%	0%
	Monument Lane	688	0	0%	0	0	688	0	0%	0%

Traffic Changes On Each Link In The Study Area - AADT Traffic

Location	Link	2023 without Devt			Devt		2023 With Devt			Increase in Traffic
		All Veh	HGV	HGV (%)	All Veh	HGV	All Veh	HGV	HGV (%)	All Veh
1	R750 sea/coast road	396	7	2%	237	286	633	293	46%	60%
	L95115	73	0	0%	0	0	73	0	0%	0%
2	R772 Dublin road	11461	397	3%	340	545	11801	942	8%	3%
	Love Lane	1024	12	1%	0	0	1024	12	1%	0%
3	R772 Dublin road	11290	372	3%	340	545	11630	917	8%	3%
4	R772 Dublin road	6437	255	4%	170	272	6607	527	8%	3%
5	R772 Dublin road	1021	44	4%	0	0	1021	44	4%	0%
	L95115	92	0	0%	0	0	92	0	0%	0%
6	Local Access Road	29	0	0%	0	0	29	0	0%	0%
	L2180 Beech Road	4408	94	2%	299	479	4707	573	12%	7%
7	Forest Road	182	5	3%	59	66	240.8	71	30%	32%
	L6179 Kilbride Road	878	91	10%	299	479	1177	570	48%	34%
8	R772 Dublin road (Templerainey Park)	13928	259	2%	340	545	14268	804	6%	2%
	Ticknock Lane	198	0	0%	0	0	198	0	0%	0%
	Monument Lane	683	0	0%	0	0	683	0	0%	0%