

Table 14-2 ESTIMATED 2021 AADTs AT JUNCTION 2 (L3169 JUNCTION)

Hour Ending	Father O' Keefe Terrace	L3619 (E)	L3619 (S)
08:00	20	10	30
09:00	52	55	103
10:00	30	39	62
11:00	11	34	43
12:00	31	60	78
13:00	30	53	79
14:00	41	60	89
15:00	39	53	86
16:00	35	76	109
17:00	43	58	92
18:00	35	54	76
19:00	20	24	42
Period Total	385	576	887
Period Total HGVs	67	65	130
% HGVs	17%	11%	15%
Total AADT	469	702	1,080

14.24 The results of the traffic survey at the L7645 Junction are summarised in Table 14-3. From the survey data, the peak hours at the junction have been established as: -

- 08:00hrs to 09:00hrs – Weekday AM Peak Hour
- 15:30hrs to 16:30hrs – Weekday PM Peak Hour



Table 14-3 ESTIMATED 2021 AADTs AT JUNCTION 3 (L7645 Junction)

Hour Ending	L3612	L7645	Father O' Keefe Terrace
08:00	104	77	27
09:00	204	139	69
10:00	108	77	31
11:00	107	91	16
12:00	133	98	37
13:00	130	93	42
14:00	156	104	52
15:00	166	118	52
16:00	173	127	46
17:00	180	134	52
18:00	134	83	56
19:00	98	74	24
Period Total	1,693	1,215	505
Period Total HGVs	385	320	65
% HGVs	23%	26%	13%
Total AADT	2,063	1,480	615

14.25 The results of the traffic survey at the N25 Junction are summarised in Table 14-4. From the survey data, the peak hours at the junction have been established as: -

- 07:30hrs to 08:30hrs – Weekday AM Peak Hour
- 15:30hrs to 16:30hrs – Weekday PM Peak Hour

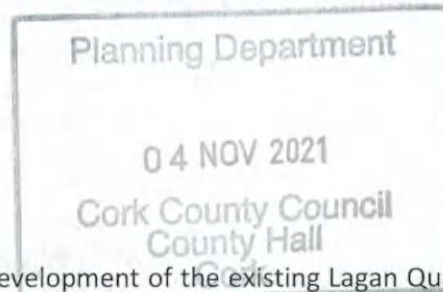


Table 14-4 ESTIMATED 2021 AADTs AT JUNCTION 4 (N25 Junction)

Hour Ending	N25 Over bridge	N25 Off slip	Private Access	L3612	N25 On slip
08:00	84	186	0	90	238
09:00	127	273	3	153	362
10:00	86	162	2	103	162
11:00	82	125	0	96	143
12:00	98	154	4	123	124
13:00	101	160	3	127	105
14:00	114	172	1	140	143
15:00	125	177	2	153	176
16:00	130	230	4	166	219
17:00	128	232	2	159	219
18:00	102	185	0	140	164
19:00	81	153	0	111	121
Period Total	1,260	2,208	23	1,560	2,177
<i>Period Total HGVs</i>	408	295	2	291	169
<i>% HGVs</i>	32%	13%	9%	19%	8%
Total AADT	1,535	2,691	28	1,900	2,652

Proposed Development

General - Quarry



- 14.26 The proposed development relates to the further development of the existing Lagan Quarry. The existing quarry operation includes limestone extraction / processing, and asphalt production. The full development description is provided in Chapter 2 of this EIAR.
- 14.27 An additional extraction capacity of 125,000 tonnes per annum (total 375,000 tonnes) is being sought to allow the applicant to respond to demand for aggregates for large infrastructure projects in the Region, on an as required basis. This traffic and transport assessment has been carried out on the basis of the total additional extraction volume of 125,000 tonnes being exported from the quarry. The additional extraction capacity will also support the permitted readymix concrete plant (approx. 70,000 tonnes) and ground limestone processing plant (approx. 30,000 tonnes), if constructed. At that stage, the balance (25,000 tonnes) will continue to be transported off-site, both to external customers and to other Lagan locations for use in the manufacture of value added products.
- 14.28 The materials are transported from the site in 20 tonne and 28 tonnes loads, so the average load size is 24 tonnes.

Trip Generation and Assignment

Quarry material extraction and export

14.29 An extraction capacity of up to 375,000 tonnes per annum represents an increase of 125,000 tonnes above the current permitted output. The 125,000 tonnes of exported materials equates to an additional 20 loads per day using the local road network, approximately, based upon the following assumptions (see Table 14-5): -

- The facility will operate for 48 weeks per year.
- Material will be transported from the site in 20 tonne and 28 tonne loads (24 tonnes average assumed).
- The facility will operate 5.5 days per week (Monday to Saturday) inclusive.
- The facility opening times will continue to be 07:00 to 18:00 Monday to Friday and 07:00 to 14:00 on Saturday (as currently permitted under condition 15 of PL04.QD.0010).

Table 14.5 ADDITIONAL EXPORTED QUARRY MATERIAL

Additional Exported Quantities of Material	
Quantity per annum	125,000
Quantity per week (48 operational weeks / year)	2,604
Loads per week (24 tonnes / load)	109
Loads per Hour (62 working hours / week)	1.76
Loads per Day (11 working hours / weekday)	19.3 (20)

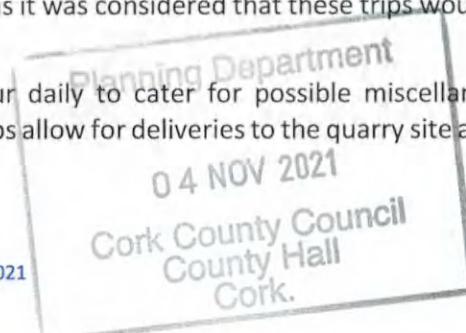
14.30 Table 14-6 below summarises the calculation of the existing and additional daily trips to/from the existing quarry, based on the average annual import, export, and extraction rates, without the permitted readymix concrete plant and ground limestone processing plant.



Table 14-6 SUMMARY OF EXISTING AND ADDITIONAL PREDICTED DAILY TRIPS (WITHOUT PERMITTED LIMESTONE PLANT AND READYMIX CONCRETE PRODUCTION)

		Existing, Permitted & Proposed Daily Trips		
		Arrivals	Departures	Total
Existing	Existing Exported Quarry Material (c. 210,000 tonnes)	33	33	66
	Existing Asphalt Plant (c. 60,000 tonnes)	14	14	28
Proposed	Proposed Additional Exported Quarried Material (c.125,000 tonnes) (assuming the permitted limestone/readymix plants are <u>not</u> constructed)	20	20	40
Misc	Miscellaneous Trips	3	3	6
Total		70	70	140

- 14.31 Planning permission is currently in place for a readymix concrete plant and ground limestone plant, which have not yet been constructed. For the purpose of this assessment, the influence of these developments on traffic volumes associated with the site will be included to determine the cumulative impact of the quarry and those activities associated with the concrete and ground limestone plants. This will ensure that the worst case scenario is assessed.
- 14.32 If constructed, the permitted readymix concrete plant will produce an average of 50,000m³ of readymix concrete per annum. This equates to 189m³ per day transferred by 8m³ average load trucks which equates to 24 loads per day. At this output, c. 25,000 tonnes of sand, 10,300 tonnes of cement and 4,500 tonnes of aggregates along with admixtures will be imported on site which equates to approximately 8 loads per day, thus the readymix concrete plant will generate approximately 32 loads per day.
- 14.33 If constructed, the ground limestone processing plant will produce an average 30,000 tonnes of ground limestone per annum. This equates to an average of 114 tonnes per day which equates to 5 loads per day for 24 tonnes load size trucks. No materials will need to be imported to site to produce ground limestone.
- 14.34 The site will employ 2 additional permanent staff members associated with the readymix concrete and ground limestone plants, if and when they are constructed. Staff movements will generate 2 trips inbound in the morning and 2 trips outbound in the evening peak (total: 4 trips). Staff car movements have been distributed in accordance with the existing light vehicle distribution at the site access. A conservative approach was taken as it was considered that these trips would coincide with the AM and PM Peaks.
- 14.35 A total of 6 trips have been assumed to occur daily to cater for possible miscellaneous trips associated with the site. These miscellaneous trips allow for deliveries to the quarry site admixtures,



fuel etc. It is considered that these trips would coincide with either peak hour. A conservative approach was taken as it was considered that these trips would coincide with the AM and PM Peaks.

- 14.36 Table 14-7 below summarises the calculation of the existing and additional daily trips to/from the existing quarry based on the average annual import, export, and extraction rates.

Table 14-7: SUMMARY OF EXISTING AND ADDITIONAL PREDICTED DAILY TRIPS (WITH PERMITTED LIMESTONE PLANT AND READYMIX CONCRETE PRODUCTION)

		Existing, Permitted & Proposed Daily Trips		
		Arrivals	Departures	Total
Existing	Existing Exported Quarry Material (c. 210,000 tonnes)	33	33	66
	Existing Asphalt Plant (c. 60,000 tonnes)	14	14	28
Permitted	Permitted Limestone Plant (30,000 tonnes)	5	5	10
	Permitted Readymix Concrete (50,000m ³)	32	32	64
	Staff Associated with Permitted Plants	2	2	4
Proposed	Proposed Additional Exported Quarried Material (c. 25,000 tonnes) (assuming the permitted limestone/readymix plants are constructed)	4	4	8
Misc	Miscellaneous Trips	3	3	6
Total		93	93	186

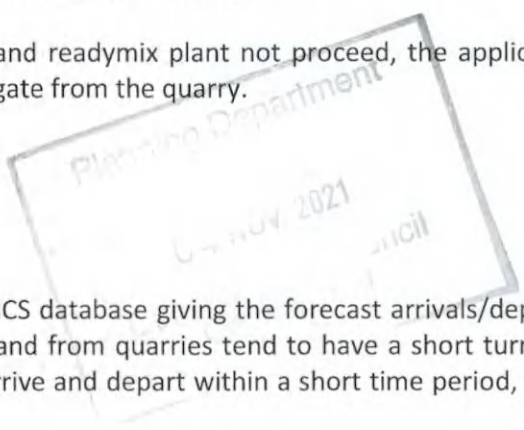
As can be seen from the Tables above, if the permitted limestone plant and readymix plant are constructed this will result in an additional 46 traffic movements associated with the site.

It is highlighted that should the permitted limestone and readymix plant not proceed, the applicant will export a maximum 375,000 tonnes per annum of aggregate from the quarry.

Trip Distribution and Assignment

Trip Distribution

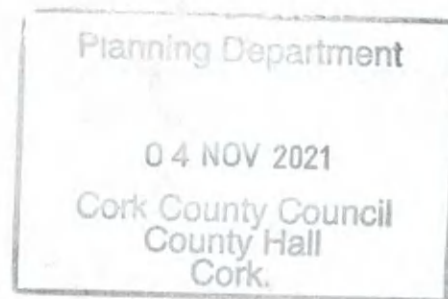
- 14.37 Appendix 14-A contains extracts from the TRICS database giving the forecast arrivals/departures distribution for quarry sites. Movements to and from quarries tend to have a short turnaround within the sites, e.g. that vehicles generally arrive and depart within a short time period, likely to be less than an hour.



- 14.38 These trips have been distributed throughout the day according to trip rates derived from the Trip Rate Information Computer System (TRICS) database which is based on surveyed traffic for similar types of developments in similar locations.

Trip Assignment

- 14.39 The assignment of the development traffic on the adjacent road network is based on an assessment of the existing traffic flows at nearby junctions derived from the traffic count data.
- 14.40 Figure 14-3 and FIGURE illustrate the trip assignment that has been applied to the development traffic as part of the junction capacity analysis. The trip distribution has been examined for: -
- Cars and Light Goods Vehicles (Figure 14-3); and
 - Heavy Goods Vehicles (FIGURE).
- 14.41 All traffic travelling to the proposed development access on the L7645 (S) will approach from the north and turn right into the quarry. Similarly, when leaving the quarry, traffic will turn left towards the staggered junction.
- 14.42 At the L3619/L7645 staggered junction, when travelling to/from the quarry, the light vehicle development traffic has been distributed onto the network in accordance with the existing turning proportions as recorded by the traffic survey data.
- 14.43 The traffic survey data indicated that 73% of traffic will arrive from the north, and 71% will depart in this direction, 22% of traffic will arrive from the west, and 15% will depart in this direction, and 5% of traffic will arrive from the east, and 14% of traffic will depart in this direction.



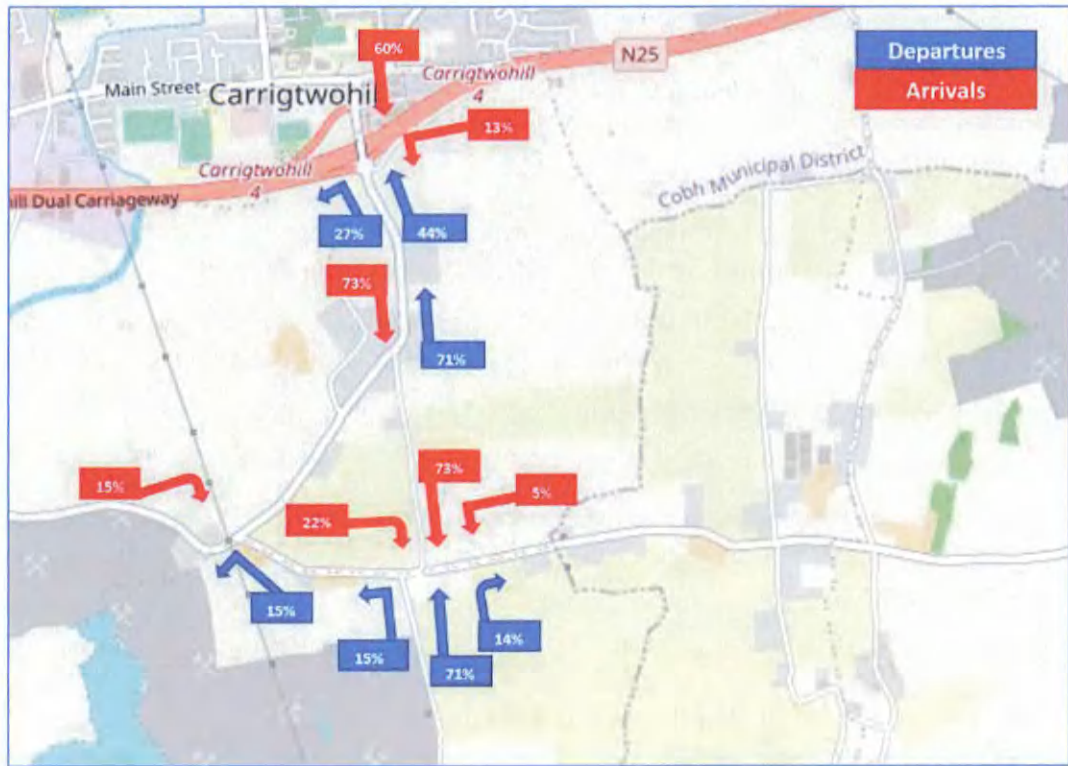


Figure 14-3: ASSIGNMENT OF LIGHT VEHICLE QUARRY DEVELOPMENT TRAFFIC THROUGHOUT THE NETWORK

- 14.44 All haul route traffic exits the site and travels north towards the N25 Interchange. The haulage traffic primarily travels north along the L7645 and accesses the N25 Barryscourt Interchange at the south side of Carrigwohill Village where it accesses the N25 and travels in a westerly direction towards Cork City.
- 14.45 This is recognised as the predominant haul route to and from Cork City due to the larger market for dispatch of materials and access to the South Ring Road, M8, Cork City and West Cork.
- 14.46 For occasional HGV's with a destination to the east of Cork, these shall continue to enter the N25 westbound on-slip at Junction 4 of the N25, before exiting at the westbound off-slip at Junction 3 of the N25, and using the R624 northern roundabout junction to enter the N25 eastbound on-slip, where they will continue on the N25 towards destinations east of Cork.



14.49 FIGURE outlines the distributed development traffic as a percentage of the background traffic on the adjacent road network.

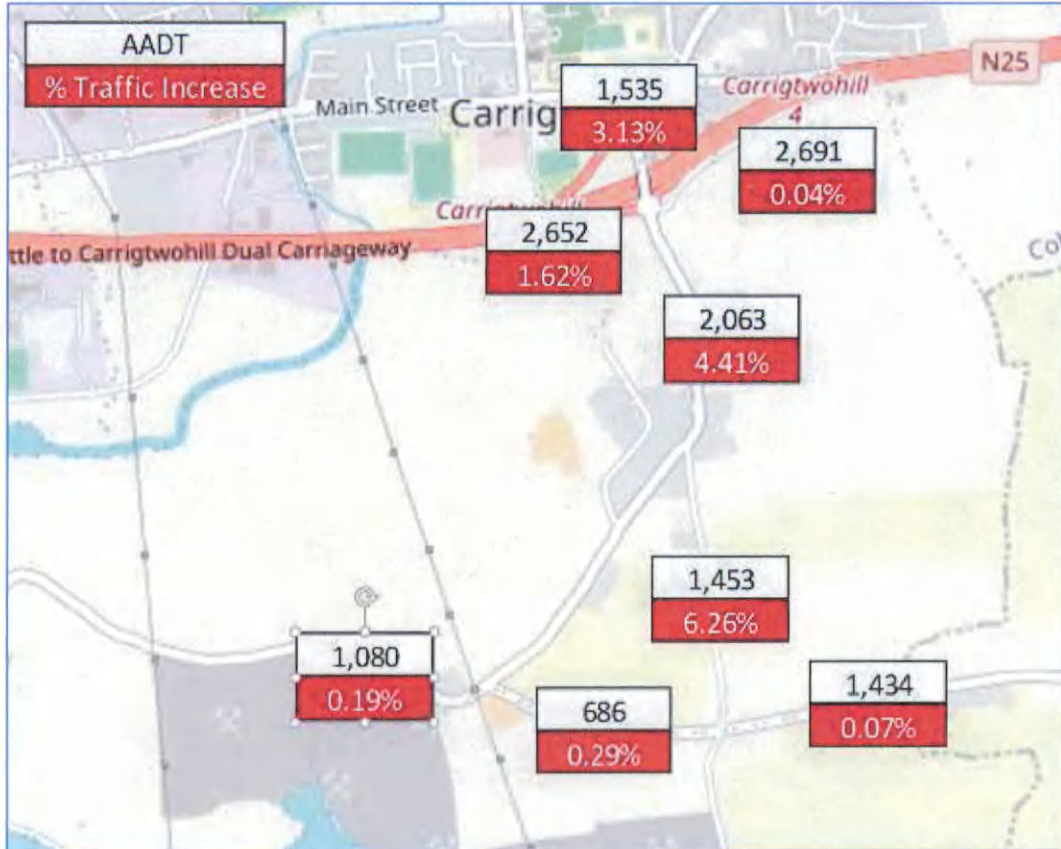


FIGURE 14-5 AADT AND DEVELOPMENT TRAFFIC AS A PERCENTAGE OF EXISTING TRAFFIC

14.50 As shown in FIGURE , the additional development traffic is not indicated as exceeding 10% of background traffic on the local road network along the primary haul route between the quarry site and the N25. However, it is considered prudent for this Traffic Assessment to undertake a capacity assessment where the additional traffic exceeds 5%, which includes: -

- Junction 1: L3619/L7645 staggered junction (referred to as the ‘Staggered Junction’ in this report) - 08:00 - 09:00 (AM Peak) and 15:00 - 16:00 (PM Peak)
- Junction 3: L7645 & Father O’Keefe Terrace T-junction (referred to as the ‘L7645 Junction’ in this report) - 08:00 - 09:00 (AM Peak) and 15:30 - 16:30 (PM Peak)
- Junction 4: 5-Arm Roundabout junction of the L7645, Private Access, N25 Overbridge, slip road from the N25 and slip road to the N25



Road Impacts

Assessment Years

14.51 The "Traffic and Transport Assessment Guidelines" published by Transport Infrastructure Ireland recommend the assessment of traffic in the Opening Year, for the Opening Year +5 years and the Opening Year +15 years. The assessment years for the Traffic and Transport assessment are therefore 2022 for the Opening Year, 2027 and 2037 for the Future Assessment Years.

Traffic Growth

14.52 The "Project Appraisal Guidelines - Unit 5.3 – Travel Demand Projections (PE-PAG-02017)" published by TII in May 2019 has been used to determine future year traffic flows on the network from the 2021 traffic count data. Table 14-84-8 contains a summary of the traffic growth factors published in the "Project Appraisal Guidelines". For this assessment, a central growth scenario has been adopted (a 'central' growth scenario was assumed given the site location and scale).

Table 14-8 FUTURE YEAR TRAFFIC GROWTH FIGURES (CO. CORK-METROPOLITAN AREA)

Year	Low Growth		Central Growth		High Growth	
	LV	HV	LV	HV	LV	HV
2016-2030	1.0153	1.0279	1.0169	1.0294	1.0202	1.0328
2030-2040	1.0072	1.0128	1.009	1.0149	1.0125	1.0185

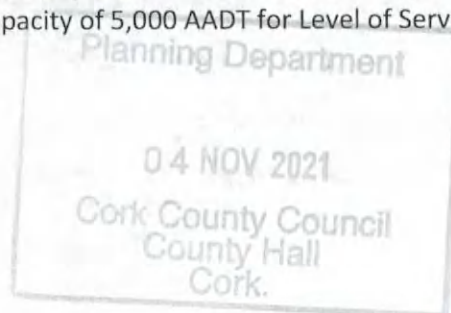
Link Capacity Assessment

General

14.53 Table 6.1 of the TII Publications document DN-GEO-03031 provides guidance on the capacity, for a Level of Service D (LOS D), of different road types by cross-section. It advises that the capacity of a Type 3 Single Carriageway road with 6.0m cross-section is 5,000 AADT for a Level of Service D. The following are the approximate carriageway widths of the roads which are part of this study:

- L7645 - Average cross-section width of approximately 8.0m with no hard shoulders present.
- L3619 - Average cross-section width of approximately 8.0m with no hard shoulders present.

14.54 It is considered that the roads which are part of this study are most similar to the Type 3 Single Carriageway cross-section in this document with a capacity of 5,000 AADT for Level of Service D.



L7645 Local Road

14.55 The combined background and site traffic volumes outlined in Table 14-9 in each of the assessment years is less than the LOS D capacity of 5,000 AADT for a Type 3 Single Carriageway. As such, it is considered that the L7645 will operate within capacity for each of the assessment years. Table 14-9 indicates that the traffic associated with the proposed development represents between 4.67% and 5.78% of the total traffic on the L7645 during the assessment years 2021 to 2037.

Table 14-9 COMBINED AADT FOR EACH ASSESSMENT YEAR (L7645)

	Assessment Year			
	2021	2022	2027	2037
Background Traffic - which includes existing quarry traffic	1,453	1,483	1,640	1,860
<i>(Additional Exported Quarried Material)</i>		(8)	(8)	(8)
<i>(Permitted Limestone Plant)</i>		(10)	(10)	(10)
<i>(Permitted readymix concrete plant)</i>		(64)	(64)	(64)
<i>(Staff)</i>		(4)	(4)	(4)
<i>(Miscellaneous)</i>		(6)	(6)	(6)
Total (for purpose of cumulative assessment)		92	92	92
Combined Traffic (Background + Additional Dev. Traffic)	1,453	1,575	1,732	1,952
Additional Traffic as % of Combined Traffic	-	5.78%	5.26%	4.67%

L3619 Regional Road

14.56 The combined background and site traffic volumes outlined in Table 14-10 and Table in each of the assessment years is less than the LOS D capacity of 5,000 AADT for a Type 3 Single Carriageway. As such, it is considered that the L3619 will operate within capacity for each of the assessment years. Table 14-10and Table indicate that the traffic associated with the proposed development represents between 0.05% and 0.21% of the total traffic on the L3619 during the assessment years 2021 to 2037.

Table 14-10 COMBINED AADT FOR EACH ASSESSMENT YEAR (L3619 EAST)

	Assessment Year			
	2021	2022	2027	2037
Background Traffic	1,434	1,460	1,597	1,787
Development Traffic	-	1	1	1
Combined Traffic (Background + Additional Dev. Traffic)	1,434	1,461	1,598	1,788
Additional Traffic as % of Combined Traffic	-	0.07%	0.06%	0.05%



Table 14-11 COMBINED AADT FOR EACH ASSESSMENT YEAR (L3619 WEST)

	Assessment Year			
	2021	2022	2027	2037
Background Traffic	686	698	765	858
Development Traffic	-	2	2	2
Combined Traffic (Background + Additional Dev. Traffic)	686	700	767	859
Additional Traffic as % of Combined Traffic	-	0.26%	0.24%	0.21%

Junction Capacity Analysis

- 14.57 The capacity of the surveyed junctions was assessed using the Transport Research Laboratory's (TRL) computer programme Junctions 9.
- 14.58 Junction performance is measured as a ratio between the flow and capacity (RFC). The capacity analysis has been carried out for each weekday for a period of 12-hours, which corresponds to the operational hours of the quarry, for each of the assessment years base year (2021), 2022, 2027 and 2037. A rural junction with an RFC below 0.85 is considered to be operating within capacity, and an RFC of 0.85 indicates a junction operating at capacity.
- 14.59 The detailed junction capacity analysis outputs for all of the junctions for all the future forecast assessment years are contained within Appendix 14C to this report.

Junction 1 – Staggered Junction

- 14.60 A summary of the junction capacity analysis results for this junction are shown in Table . The results indicate that the junction will continue to operate within capacity for each of the assessment years 2022, 2027 and 2037.

Junction 3 - L7645 Junction

- 14.61 A summary of the junction capacity analysis results for this junction are shown in Table . The results indicate that the junction will continue to operate within capacity for each of the assessment years 2022, 2027 and 2037.

Junction 4 - N25 Junction

- 14.62 A summary of the junction capacity analysis results for this junction are shown in Table . The results indicate that the junction will continue to operate within capacity for each of the assessment years 2022, 2027 and 2037.

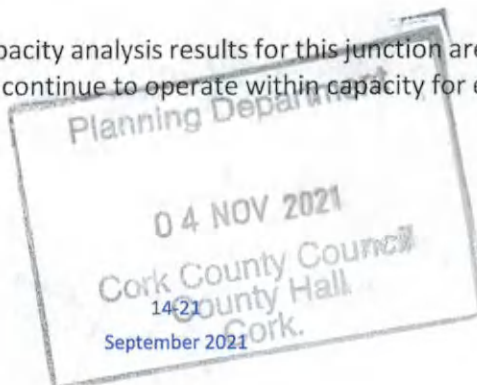


Table 14-12 JUNCTION 1 – STAGGERED JUNCTION

Stream	12 Hours (07:00 – 19:00)		
	Queue (Veh)	Delay (s)	RFC
Base Year			
L7645 (S) – L3619 (W)	0.0	11.44	0.03
L7645 (S) - L3619 (E)/L7645 (N)	0.2	13.48	0.12
L3619 (E) – L7645 (S)/L3619 (W)/L7645 (N)	0.2	7.78	0.15
L7645 (N) - L3619 (E)	0.2	7.08	0.13
L7645 (N) – L7645 (S)/L3619 (W)	0.1	13.80	0.12
L3619 (W) - L3619 (E)/L7645 (S)/L7645	0.0	11.89	0.04
Opening Year Without Development			
L7645 (S) – L3619 (W)	0.0	11.45	0.04
L7645 (S) - L3619 (E)/L7645 (N)	0.2	13.54	0.12
L3619 (E) – L7645 (S)/L3619 (W)/L7645 (N)	0.2	7.80	0.16
L7645 (N) - L3619 (E)	0.2	7.11	0.14
L7645 (N) – L7645 (S)/L3619 (W)	0.1	13.82	0.13
L3619 (W) - L3619 (E)/L7645 (S)/L7645	0.0	11.89	0.04
+5 Without Development			
L7645 (S) – L3619 (W)	0.1	11.51	0.04
L7645 (S) - L3619 (E)/L7645 (N)	0.2	13.86	0.14
L3619 (E) – L7645 (S)/L3619 (W)/L7645 (N)	0.2	7.90	0.17
L7645 (N) - L3619 (E)	0.2	7.27	0.15
L7645 (N) – L7645 (S)/L3619 (W)	0.2	13.96	0.15
L3619 (W) - L3619 (E)/L7645 (S)/L7645	0.1	11.92	0.05
+15 Without Development			
L7645 (S) – L3619 (W)	0.1	11.60	0.05
L7645 (S) - L3619 (E)/L7645 (N)	0.3	14.35	0.17
L3619 (E) – L7645 (S)/L3619 (W)/L7645 (N)	0.2	8.05	0.19
L7645 (N) - L3619 (E)	0.2	7.49	0.17
L7645 (N) – L7645 (S)/L3619 (W)	0.2	14.16	0.17
L3619 (W) - L3619 (E)/L7645 (S)/L7645	0.1	11.97	0.06
Opening Year With Development			
L7645 (S) – L3619 (W)	0.0	11.63	0.04
L7645 (S) - L3619 (E)/L7645 (N)	0.2	13.79	0.14
L3619 (E) – L7645 (S)/L3619 (W)/L7645 (N)	0.2	7.82	0.16
L7645 (N) - L3619 (E)	0.2	7.22	0.14
L7645 (N) – L7645 (S)/L3619 (W)	0.2	15.40	0.14
L3619 (W) - L3619 (E)/L7645 (S)/L7645	0.0	11.94	0.04



Stream	12 Hours (07:00 – 19:00)		
	Queue (Veh)	Delay (s)	RFC
+5 With Development			
L7645 (S) – L3619 (W)	0.1	11.68	0.04
L7645 (S) - L3619 (E)/L7645 (N)	0.2	14.12	0.16
L3619 (E) – L7645 (S)/L3619 (W)/L7645 (N)	0.2	7.92	0.17
L7645 (N) - L3619 (E)	0.2	7.38	0.15
L7645 (N) – L7645 (S)/L3619 (W)	0.2	15.49	0.16
L3619 (W) - L3619 (E)/L7645 (S)/L7645	0.1	11.97	0.05
+15 With Development			
L7645 (S) – L3619 (W)	0.1	11.77	0.05
L7645 (S) - L3619 (E)/L7645 (N)	0.3	14.62	0.18
L3619 (E) – L7645 (S)/L3619 (W)/L7645 (N)	0.2	8.07	0.19
L7645 (N) - L3619 (E)	0.2	7.60	0.17
L7645 (N) – L7645 (S)/L3619 (W)	0.2	15.63	0.19
L3619 (W) - L3619 (E)/L7645 (S)/L7645	0.1	12.02	0.06

Table 14-13 JUNCTION 3 - L7645 JUNCTION

Stream	12 Hours (07:00 – 19:00)		
	Queue (Veh)	Delay (s)	RFC
Base Year			
L7645-Father O’Keefe Terrace	0.0	6.15	0.01
L7645-L3612	0.3	11.73	0.24
Father O’Keefe Terrace- L7645/L3612	0.0	6.23	0.01
Opening Year Without Development			
L7645-Father O’Keefe Terrace	0.0	6.17	0.01
L7645-L3612	0.3	11.83	0.24
Father O’Keefe Terrace- L7645/L3612	0.0	6.23	0.01
+5 Without Development			
L7645-Father O’Keefe Terrace	0.0	6.24	0.01
L7645-L3612	0.3	12.39	0.27
Father O’Keefe Terrace- L7645/L3612	0.0	6.26	0.01
+15 Without Development			
L7645-Father O’Keefe Terrace	0.0	6.34	0.01
L7645-L3612	0.4	13.22	0.31
Father O’Keefe Terrace- L7645/L3612	0.0	6.29	0.01

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 Cork.



Stream	12 Hours (07:00 – 19:00)		
	Queue (Veh)	Delay (s)	RFC
Opening Year With Development			
L7645-Father O'Keefe Terrace	0.0	6.27	0.01
L7645-L3612	0.3	15.08	0.29
Father O'Keefe Terrace- L7645/L3612	0.0	6.32	0.01
+5 With Development			
L7645-Father O'Keefe Terrace	0.0	6.35	0.01
L7645-L3612	0.4	15.35	0.31
Father O'Keefe Terrace- L7645/L3612	0.0	6.35	0.01
+15 With Development			
L7645-Father O'Keefe Terrace	0.0	6.48	0.01
L7645-L3612	0.5	15.77	0.35
Father O'Keefe Terrace- L7645/L3612	0.0	6.38	0.01

Table 14-14 JUNCTION 4 - N25 JUNCTION

Stream	12 Hours (07:00 – 19:00)		
	Queue (Veh)	Delay (s)	RFC
Base Year			
N25 Overbridge	0.4	3.00	0.31
N25 Off Slip	0.8	5.51	0.45
Local Access	0.0	8.34	0.01
L3612	0.1	5.01	0.10
Opening Year Without Development			
N25 Overbridge	0.4	3.03	0.31
N25 Off Slip	0.8	5.63	0.46
Local Access	0.0	8.38	0.01
L3612	0.2	5.40	0.18
+5 Without Development			
N25 Overbridge	0.5	3.17	0.34
N25 Off Slip	1.0	6.38	0.51
Local Access	0.0	8.59	0.01
L3612	0.3	5.95	0.21
+15 Without Development			
N25 Overbridge	0.6	3.38	0.38
N25 Off Slip	1.3	7.81	0.59
Local Access	0.0	8.90	0.02

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 04 NOV 2021
 September 2021
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	12 Hours (07:00 – 19:00)		
	Queue (Veh)	Delay (s)	RFC
L3612	0.3	6.87	0.26
Stream	Opening Year With Development		
N25 Overbridge	0.5	3.08	0.32
N25 Off Slip	0.8	5.69	0.46
Local Access	0.0	8.42	0.01
L3612	0.2	5.41	0.18
Stream	+5 With Development		
N25 Overbridge	0.5	3.22	0.35
N25 Off Slip	1.0	6.46	0.52
Local Access	0.0	8.63	0.02
L3612	0.3	5.96	0.21
Stream	+15 With Development		
N25 Overbridge	0.6	3.44	0.39
N25 Off Slip	1.4	7.92	0.59
Local Access	0.0	8.94	0.02
L3612	0.3	6.89	0.26

Road Safety

Collision History

- 14.63 The Road Safety Authority website (www.rsa.ie) was consulted to identify historical collisions on the vicinity of the Lagan Quarry at Rossmore and the adjacent road network. The website includes summary information on collision occurrence for the period 2005 to 2016.
- 14.64 The historical collision data indicates that there were four Minor Injury collisions recorded between 2005 and 2016. One at the L3619 junction and three at the previous Crossroad Junction. The Crossroad junction has recently been realigned to create a right/left stagger. As such, the collisions at the old crossroad junction are unlikely to continue into the future.



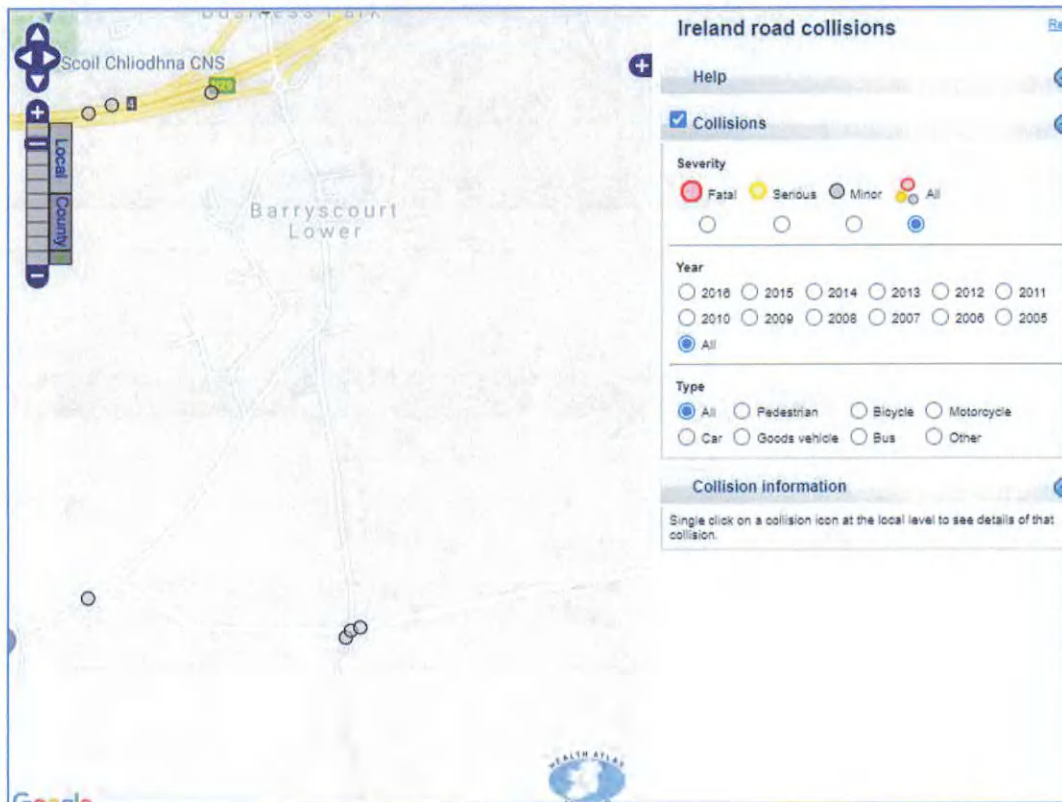


FIGURE 14-6: HISTORICAL COLLISIONS RECORDED IN THE VICINITY OF THE DEVELOPMENT (Source www.RSA.ie)

Sightlines

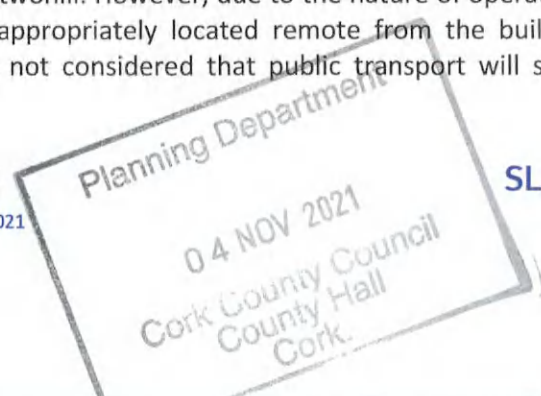
- 14.65 The entrance to the quarry is located on an unnamed road south of the L3619/L7645 staggered junction. The posted speed limit on this road is 80kph.
- 14.66 The visibility to the north satisfies the sightline requirements of the TII Publications document "Rural Link Design" (DN-GEO-03031), Table 1.3 for a posted speed of 80km/hr.

Parking

- 14.67 The site contains 16 parking spaces. This parking provision is sufficient for the number of staff expected to work on site, and also for any miscellaneous trips that may occur.

Public Transport

- 14.68 There are local commuter bus services passing through Carrigtwohill and along the R624 to Cobh, and a railway station on the north side of Carrigtwohill. However, due to the nature of operations and positioning of the subject site, which is appropriately located remote from the built up populated areas served by these modes, it is not considered that public transport will serve employees of the quarry.

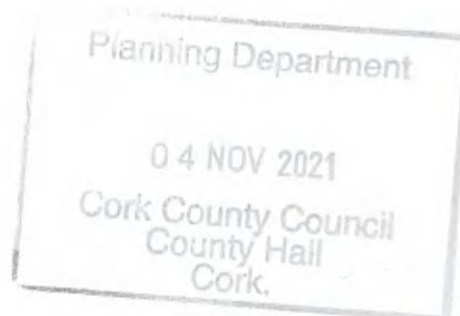


Pedestrians & Cyclists

- 14.69 There are no pedestrian or cyclist provisions along the local roads used by the development. No pedestrians or cyclists were observed during the site visit.

Conclusions

- 14.70 Link capacity analysis was carried out on the L7645 and the L3619 within the vicinity of the site. It was determined that both link roads assessed will continue to operate within capacity for each of the assessment years 2021 (Base year), 2022 (Opening year), 2027 and 2037.
- 14.71 Junction Capacity Analysis was undertaken at the junctions between the L7645/L3619, the L7645/L3612 and the N25 Interchange. The results of the Junction Capacity Analysis indicate that all junctions assessed will operate within capacity for each of the assessment years 2021 (Base year), 2022 (Opening year), 2027, and 2037 with, and without, the quarry.
- 14.72 Sightlines have been assessed against Section 5.6.3 of TII Publications document DN-GEO-03060, which requires 160m of unobstructed visibility (where the design speed is 80kph) at a point 3.0m back from the edge of the carriageway. The available visibility to the left (north) and to the right (south) exceeds the 160m required for a design speed of 80kph and is therefore sufficient for the posted speed limit on the local road.
- 14.73 There is sufficient parking provision within the quarry site to accommodate parking for all staff, and visitors, to the site.
- 14.74 The results of the traffic and transport assessment confirm that the development will have a negligible impact on traffic flows on the existing road network.



Appendix 14A – TRICS Output

Planning Department
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County Hall
Cork.

Calculation Reference: AUDIT-261601-191022-1055

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT
 Category : H - QUARRY

VEHICLESSelected regions and areas:

03 SOUTH WEST	
DC DORSET	1 days
05 EAST MIDLANDS	
NR NORTHAMPTONSHIRE	1 days
08 NORTH WEST	
GM GREATER MANCHESTER	1 days
09 NORTH	
DH DURHAM	2 days

This section displays the number of survey days per TRICS® sub-region in the selected set

Secondary Filtering selection:

This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.

Parameter: Site area
 Actual Range: 10.00 to 40.00 (units: hect)
 Range Selected by User: 10.00 to 40.00 (units: hect)

Parking Spaces Range: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/86 to 09/11/10

This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.

Selected survey days:

Tuesday 2 days
 Wednesday 2 days
 Friday 1 days

This data displays the number of selected surveys by day of the week.

Selected survey types:

Manual count 5 days
 Directional ATC Count 0 days

This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.

Selected Locations:

Edge of Town 1
 Free Standing (PPS6 Out of Town) 4

This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.

Selected Location Sub Categories:

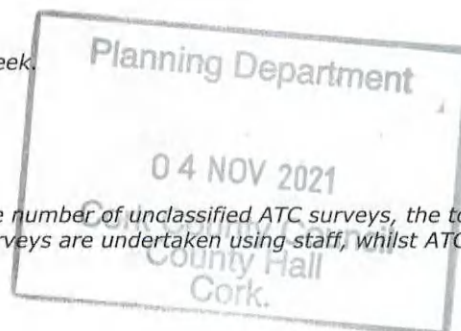
Out of Town 4
 No Sub Category 1

This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.

Secondary Filtering selection:Use Class:

B2 5 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.



Secondary Filtering selection (Cont.):Population within 1 mile:

1,000 or Less	1 days
1,001 to 5,000	2 days
5,001 to 10,000	2 days

This data displays the number of selected surveys within stated 1-mile radii of population.

Population within 5 miles:

25,001 to 50,000	1 days
50,001 to 75,000	2 days
75,001 to 100,000	1 days
125,001 to 250,000	1 days

This data displays the number of selected surveys within stated 5-mile radii of population.

Car ownership within 5 miles:

0.6 to 1.0	4 days
1.1 to 1.5	1 days

This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Travel Plan:

Not Known	2 days
No	3 days

This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

PTAL Rating:

No PTAL Present	5 days
-----------------	--------

This data displays the number of selected surveys with PTAL Ratings.



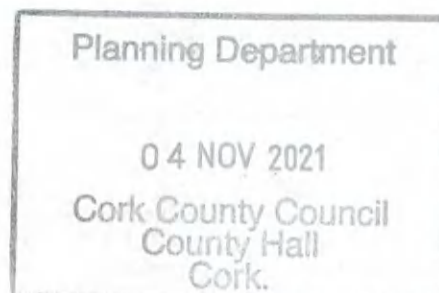
LIST OF SITES relevant to selection parameters

- | | | | |
|----------|--|-------------------------|---------------------------|
| 1 | DC-02-H-02 | STONE QUARRY | DORSET |
| | SOUTHWELL STREET
NEAR PORTLAND
SOUTHWELL
Free Standing (PPS6 Out of Town)
Out of Town
Total Site area: 40.00 hect
Survey date: WEDNESDAY 03/09/97 | | Survey Type: MANUAL |
| 2 | DH-02-H-01 | LIMESTONE QUARRY | DURHAM |
| | STONYBECK LANE
NEAR DURHAM
BISHOP MIDDLEHAM
Free Standing (PPS6 Out of Town)
Out of Town
Total Site area: 10.00 hect
Survey date: TUESDAY 02/12/08 | | Survey Type: MANUAL |
| 3 | DH-02-H-02 | QUARRY | DURHAM |
| | HART VILLAGE
HARTLEPOOL

Free Standing (PPS6 Out of Town)
Out of Town
Total Site area: 22.80 hect
Survey date: TUESDAY 09/11/10 | | Survey Type: MANUAL |
| 4 | GM-02-H-01 | STONE QUARRY | GREATER MANCHESTER |
| | GEORGE'S LANE
HORWICH

Edge of Town
No Sub Category
Total Site area: 17.00 hect
Survey date: FRIDAY 09/08/91 | | Survey Type: MANUAL |
| 5 | NR-02-H-01 | GRAVEL QUARRY | NORTHAMPTONSHIRE |
| | WOLLASTON ROAD
BOZEAT
WELLINGBOROUGH
Free Standing (PPS6 Out of Town)
Out of Town
Total Site area: 14.50 hect
Survey date: WEDNESDAY 26/11/08 | | Survey Type: MANUAL |

This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.



TRIP RATE for Land Use 02 - EMPLOYMENT/H - QUARRY

VEHICLES

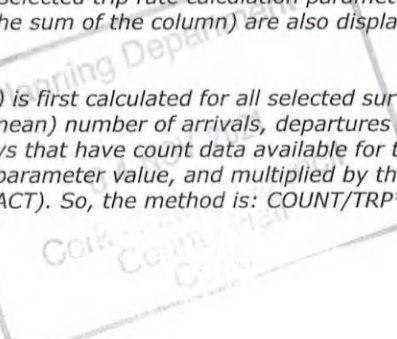
Calculation factor: 1 hect

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. AREA	Trip Rate	No. Days	Ave. AREA	Trip Rate	No. Days	Ave. AREA	Trip Rate
00:00 - 00:30									
00:30 - 01:00									
01:00 - 01:30									
01:30 - 02:00									
02:00 - 02:30									
02:30 - 03:00									
03:00 - 03:30									
03:30 - 04:00									
04:00 - 04:30									
04:30 - 05:00									
05:00 - 05:30									
05:30 - 06:00									
06:00 - 06:30									
06:30 - 07:00									
07:00 - 07:30	5	20.86	0.393	5	20.86	0.153	5	20.86	0.546
07:30 - 08:00	5	20.86	0.249	5	20.86	0.211	5	20.86	0.460
08:00 - 08:30	5	20.86	0.230	5	20.86	0.163	5	20.86	0.393
08:30 - 09:00	5	20.86	0.201	5	20.86	0.221	5	20.86	0.422
09:00 - 09:30	5	20.86	0.259	5	20.86	0.240	5	20.86	0.499
09:30 - 10:00	5	20.86	0.268	5	20.86	0.192	5	20.86	0.460
10:00 - 10:30	5	20.86	0.153	5	20.86	0.173	5	20.86	0.326
10:30 - 11:00	5	20.86	0.182	5	20.86	0.182	5	20.86	0.364
11:00 - 11:30	5	20.86	0.173	5	20.86	0.163	5	20.86	0.336
11:30 - 12:00	5	20.86	0.173	5	20.86	0.153	5	20.86	0.326
12:00 - 12:30	5	20.86	0.105	5	20.86	0.153	5	20.86	0.258
12:30 - 13:00	5	20.86	0.153	5	20.86	0.163	5	20.86	0.316
13:00 - 13:30	5	20.86	0.192	5	20.86	0.201	5	20.86	0.393
13:30 - 14:00	5	20.86	0.230	5	20.86	0.240	5	20.86	0.470
14:00 - 14:30	5	20.86	0.249	5	20.86	0.211	5	20.86	0.460
14:30 - 15:00	5	20.86	0.221	5	20.86	0.259	5	20.86	0.480
15:00 - 15:30	5	20.86	0.192	5	20.86	0.182	5	20.86	0.374
15:30 - 16:00	5	20.86	0.182	5	20.86	0.125	5	20.86	0.307
16:00 - 16:30	4	22.45	0.156	4	22.45	0.134	4	22.45	0.290
16:30 - 17:00	4	22.45	0.134	4	22.45	0.156	4	22.45	0.290
17:00 - 17:30	4	22.45	0.067	4	22.45	0.111	4	22.45	0.178
17:30 - 18:00	4	22.45	0.033	4	22.45	0.234	4	22.45	0.267
18:00 - 18:30	4	22.45	0.011	4	22.45	0.089	4	22.45	0.100
18:30 - 19:00	4	22.45	0.011	4	22.45	0.011	4	22.45	0.022
19:00 - 19:30									
19:30 - 20:00									
20:00 - 20:30									
20:30 - 21:00									
21:00 - 21:30									
21:30 - 22:00									
22:00 - 22:30									
22:30 - 23:00									
23:00 - 23:30									
23:30 - 24:00									
Total Rates:			4.217			4.120			8.337

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.



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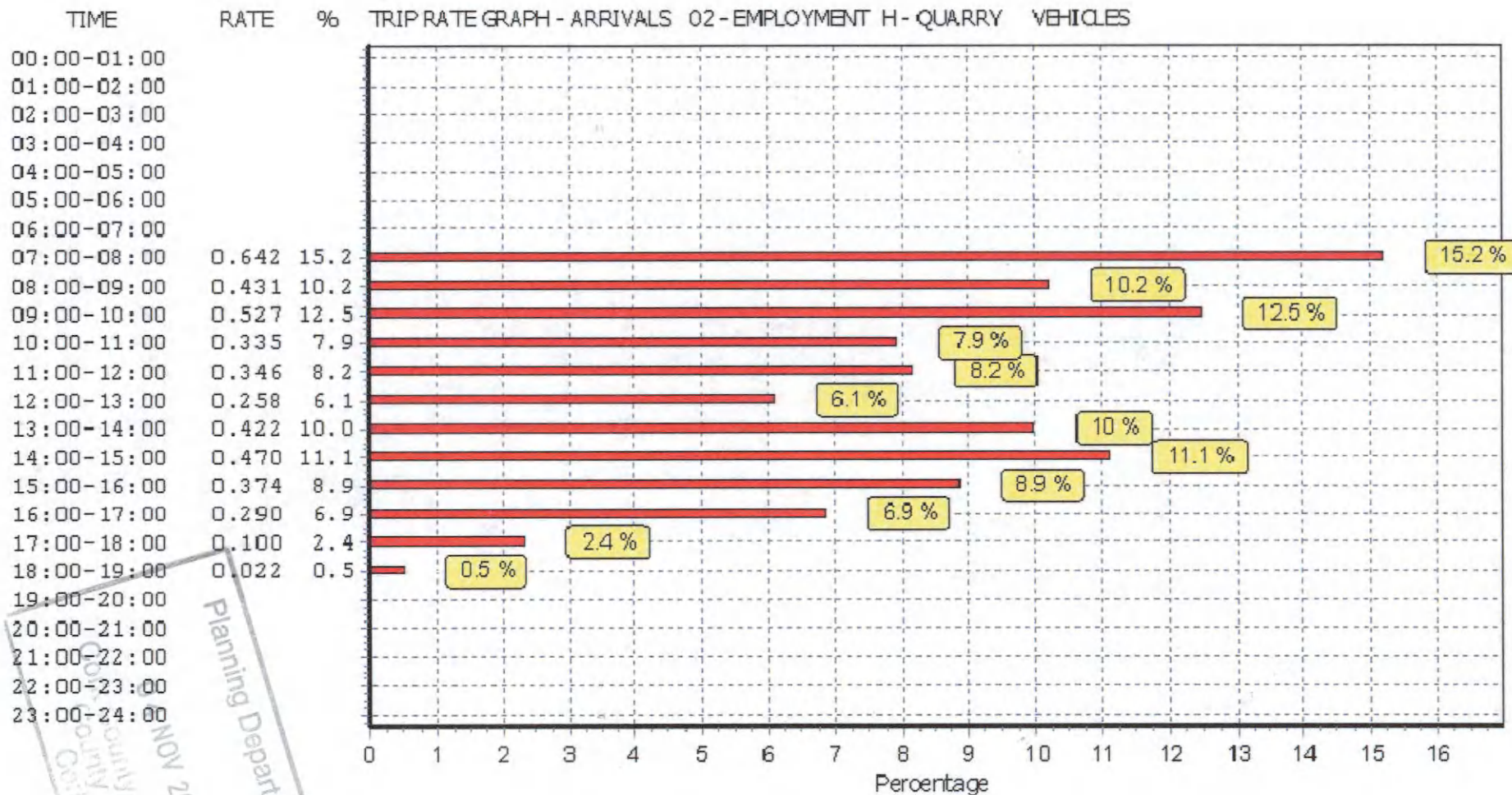
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Parameter summary

Trip rate parameter range selected:	10.00 to 40.00 (units: hect)
Survey date range:	01/01/86 - 09/11/10
Number of weekdays (Monday-Friday):	5
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	1
Surveys manually removed from selection:	0

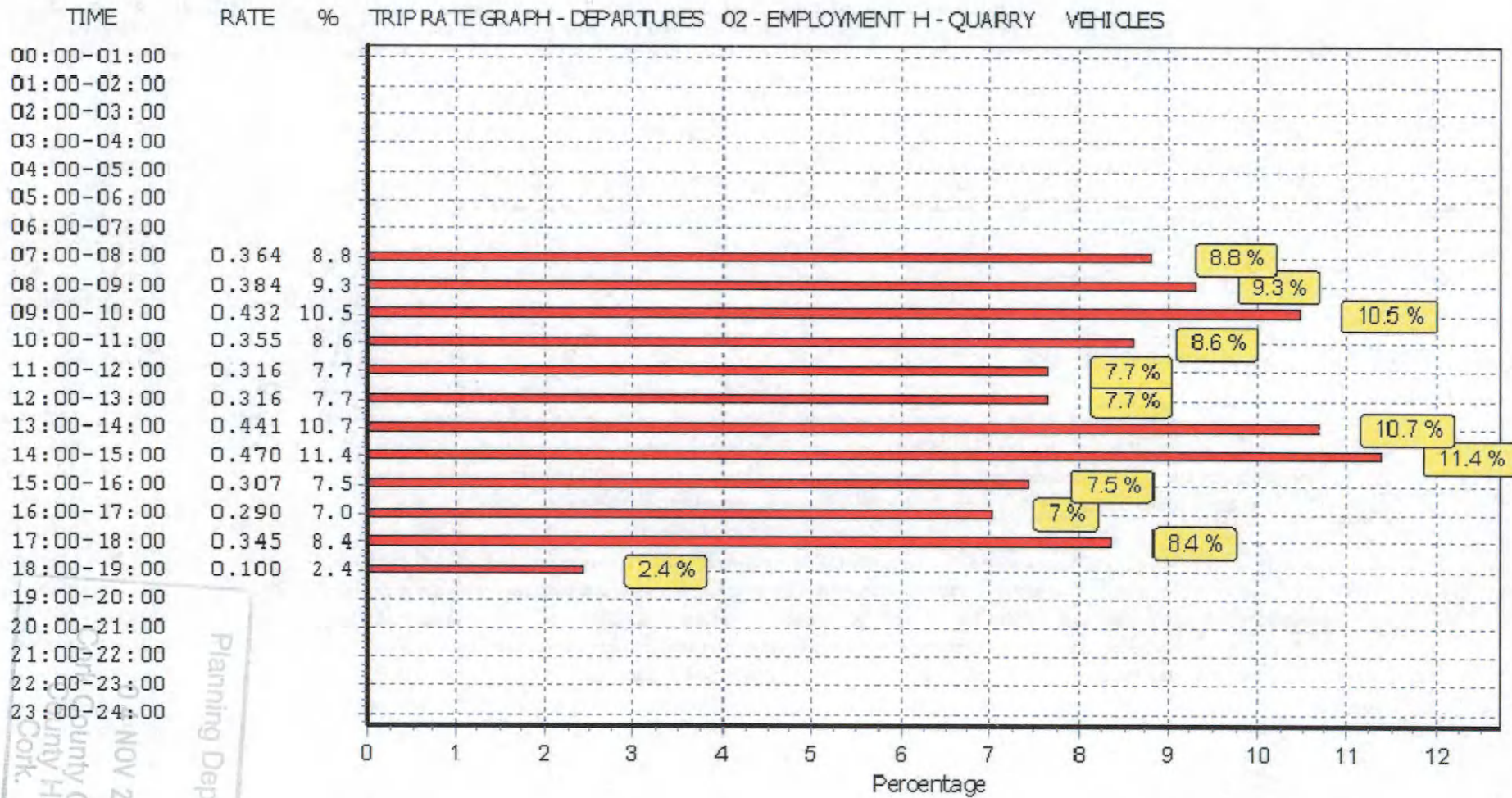
This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.





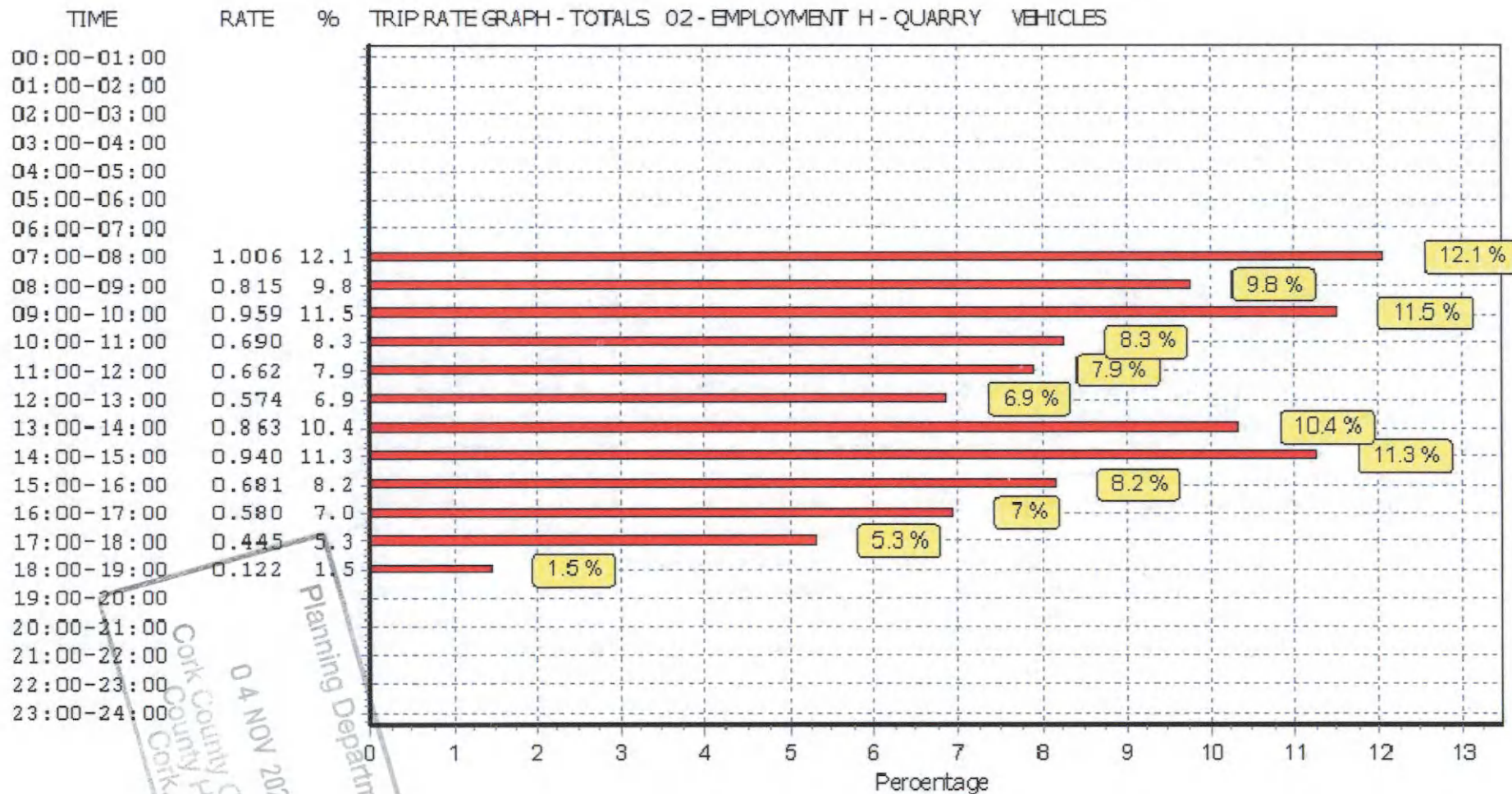
This graph is a visual representation of the trip rate calculation results screen. The same time periods and trip rates are displayed, but in addition there is an additional column showing the percentage of the total trip rate by individual time period, allowing peak periods to be easily identified through observation. Note that the type of count and the selected direction is shown at the top of the graph.

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 NOV 2021



This graph is a visual representation of the trip rate calculation results screen. The same time periods and trip rates are displayed, but in addition there is an additional column showing the percentage of the total trip rate by individual time period, allowing peak periods to be easily identified through observation. Note that the type of count and the selected direction is shown at the top of the graph.

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 NOV 2021

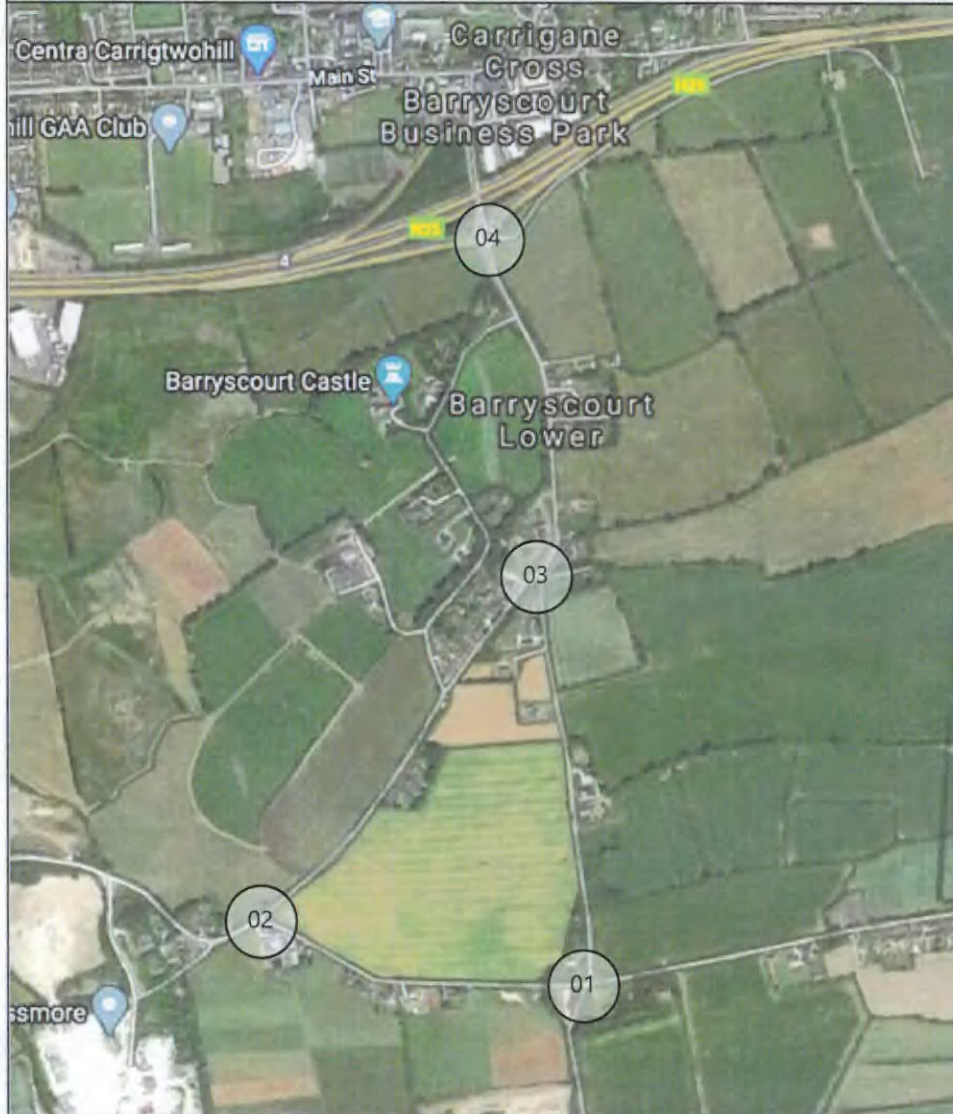


This graph is a visual representation of the trip rate calculation results screen. The same time periods and trip rates are displayed, but in addition there is an additional column showing the percentage of the total trip rate by individual time period, allowing peak periods to be easily identified through observation. Note that the type of count and the selected direction is shown at the top of the graph.

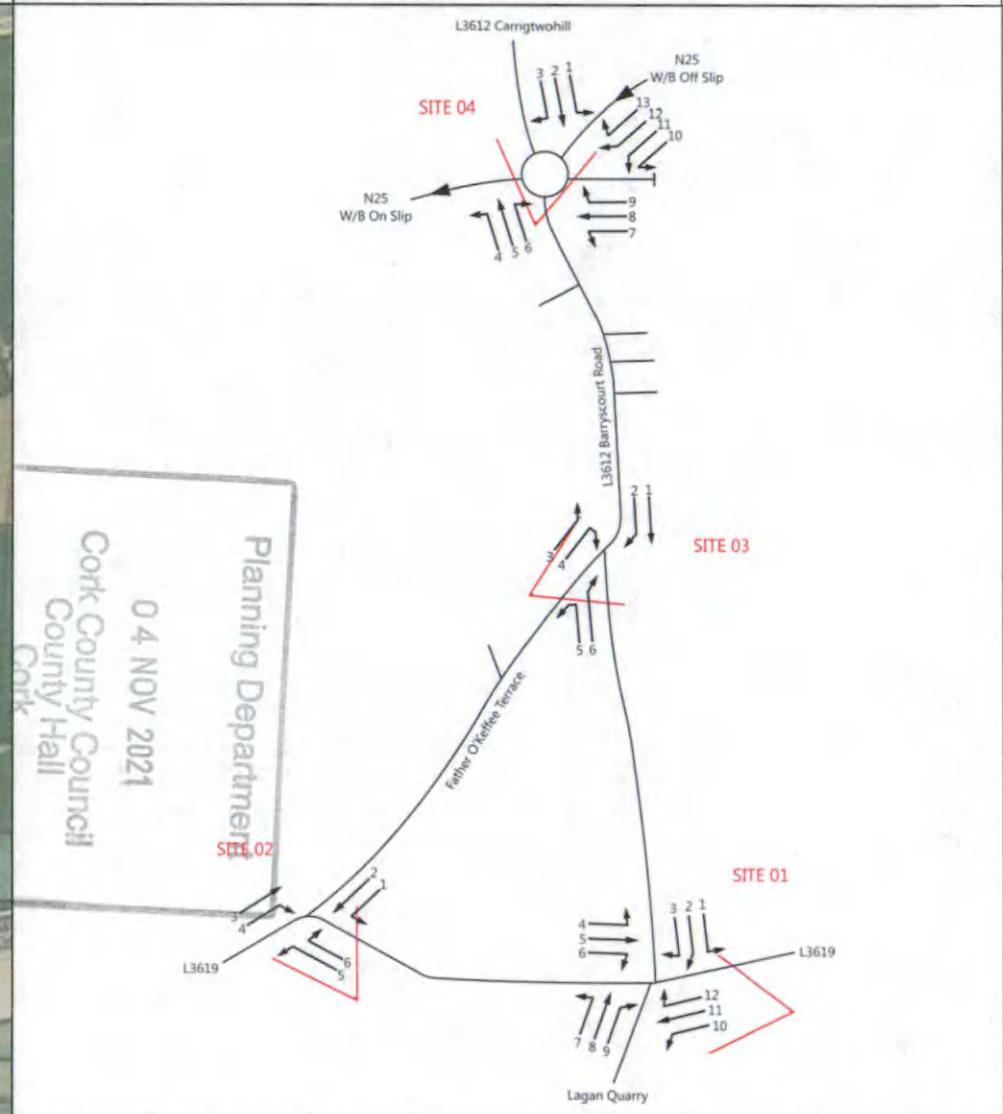
Appendix 14B – Traffic Survey Data

Planning Department
04 NOV 2021
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Cork.

Site Locations



Movement Numbers



Planning Department
 04 NOV 2021
 Cork County Council
 County Hall
 Cork

	Job number: TRA/21/035	Job date: 13 th April 2021	Drawing No: TRA/21/035-01	
	Client: PMCE	Job day Tuesday	Author: SPW	

TRAFFINOMICS LIMITED

**ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS
MANUAL CLASSIFIED JUNCTION TURNING COUNTS**

**APRIL 2021
TRA/21, 000**

SITE: 01

DATE: 13th April 2021

LOCATION: L3619/Lagan Quarry Entrance

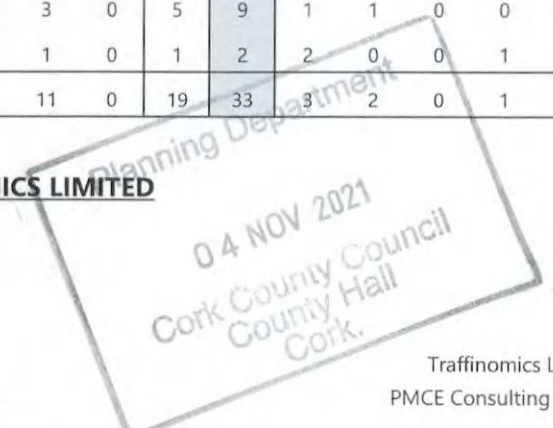
DAY: Tuesday

TIME	MOVEMENT 1							MOVEMENT 2							MOVEMENT 3						
	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU
07:00	2	0	0	0	0	2	2	1	0	0	1	0	2	3	0	0	0	0	0	0	0
07:15	2	1	0	0	0	3	3	1	0	0	3	0	4	8	0	0	0	0	0	0	0
07:30	2	2	1	1	0	6	8	1	1	0	5	0	7	14	0	0	0	0	0	0	0
07:45	3	4	0	0	0	7	7	3	2	0	3	0	8	12	0	0	0	0	0	0	0
H/TOT	9	7	1	1	0	18	20	6	3	0	12	0	21	37	0	0	0	0	0	0	0
08:00	5	2	0	1	1	9	11	1	1	0	6	0	8	16	0	0	0	0	0	0	0
08:15	9	1	0	0	0	10	10	0	1	0	3	0	4	8	0	0	0	0	0	0	0
08:30	8	1	0	0	0	9	9	0	1	0	3	0	4	8	2	0	0	1	0	3	4
08:45	9	1	0	0	0	10	10	1	1	0	3	0	5	9	0	0	0	0	0	0	0
H/TOT	31	5	0	1	1	38	40	2	4	0	15	0	21	41	2	0	0	1	0	3	4
09:00	5	1	1	0	0	7	8	2	0	0	3	0	5	9	1	0	0	0	0	1	1
09:15	2	0	0	0	0	2	2	1	0	0	6	0	7	15	0	0	0	1	0	1	2
09:30	4	1	0	1	0	6	7	0	0	0	2	0	2	5	0	0	0	0	0	0	0
09:45	5	0	0	0	0	5	5	0	1	0	2	0	3	6	1	0	0	0	0	1	1
H/TOT	16	2	1	1	0	20	22	3	1	0	13	0	17	34	2	0	0	1	0	3	4
10:00	4	1	0	0	0	5	5	3	0	0	5	0	8	15	0	0	0	0	0	0	0
10:15	4	0	0	0	0	4	4	2	0	0	3	0	5	9	0	0	0	0	0	0	0
10:30	7	2	0	1	0	10	11	4	0	0	2	0	6	9	0	0	0	0	0	0	0
10:45	4	2	0	1	0	7	8	0	0	1	4	0	5	11	0	0	0	0	0	0	0
H/TOT	19	5	0	2	0	26	29	9	0	1	14	0	24	43	0	0	0	0	0	0	0
11:00	5	0	0	0	0	5	5	2	0	0	3	0	5	9	0	0	0	0	0	0	0
11:15	5	0	0	1	0	6	7	2	0	0	4	0	6	11	0	0	0	1	0	1	2
11:30	4	2	0	0	0	6	6	4	2	1	1	0	8	10	1	0	0	0	0	1	1
11:45	2	0	0	0	0	2	2	1	0	2	5	1	9	18	0	0	0	0	0	0	0
H/TOT	16	2	0	1	0	19	20	9	2	3	13	1	28	47	1	0	0	1	0	2	3
12:00	7	1	0	0	0	8	8	2	0	0	2	0	4	7	0	1	0	0	0	1	1
12:15	3	1	1	0	0	5	6	3	1	0	5	0	9	16	0	0	0	0	0	0	0
12:30	3	0	0	1	0	4	5	1	1	0	3	0	5	9	1	1	0	0	0	2	2
12:45	7	1	0	0	0	8	8	0	0	0	1	0	1	2	2	0	0	1	0	3	4
H/TOT	20	3	1	1	0	25	27	6	2	0	11	0	19	33	3	2	0	1	0	6	7

TRAFFINOMICS LIMITED

ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS

APRIL 2021



MANUAL CLASSIFIED JUNCTION TURNING COUNTS

TRA/21/035

SITE: 01

DATE: 13th April 2021

LOCATION: L3619/Lagan Quarry Entrance

DAY: Tuesday

TIME	MOVEMENT 1							MOVEMENT 2							MOVEMENT 3						
	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU
13:00	3	1	0	0	0	4	4	1	0	0	4	0	5	10	0	0	0	0	0	0	0
13:15	7	2	0	0	0	9	9	2	0	0	2	0	4	7	0	0	0	0	0	0	0
13:30	6	2	0	1	0	9	10	1	1	0	1	0	3	4	0	0	0	0	0	0	0
13:45	5	0	0	0	0	5	5	2	1	0	3	0	6	10	0	0	0	0	0	0	0
H/TOT	21	5	0	1	0	27	28	6	2	0	10	0	18	31	0	0	0	0	0	0	0
14:00	9	1	1	1	0	12	14	2	1	0	5	0	8	15	1	1	0	0	0	2	2
5	5	0	0	1	0	6	7	2	0	0	2	0	4	7	0	0	0	0	0	0	0
14:30	4	1	1	1	1	8	11	2	3	0	1	0	6	7	1	0	0	0	0	1	1
14:45	5	1	0	0	0	6	6	1	0	0	5	0	6	13	0	0	0	1	0	1	2
H/TOT	23	3	2	3	1	32	38	7	4	0	13	0	24	41	2	1	0	1	0	4	5
15:00	7	1	0	0	1	9	10	2	0	0	5	0	7	14	1	0	0	0	0	1	1
15:15	9	0	0	0	0	9	9	1	1	0	3	0	5	9	1	0	0	0	0	1	1
15:30	10	0	1	0	0	11	12	2	0	0	1	0	3	4	0	0	0	0	0	0	0
15:45	16	0	2	1	0	19	21	2	0	0	3	0	5	9	2	0	0	0	0	2	2
H/TOT	42	1	3	1	1	48	52	7	1	0	12	0	20	36	4	0	0	0	0	4	4
16:00	12	1	1	2	1	17	21	0	1	0	6	0	7	15	0	0	0	0	0	0	0
16:15	10	2	0	1	1	14	16	1	0	0	0	0	1	1	0	0	0	0	0	0	0
16:30	5	1	0	0	0	6	6	0	0	0	3	0	3	7	0	0	0	0	0	0	0
16:45	7	2	0	2	0	11	14	0	2	1	2	0	5	8	0	0	0	0	0	0	0
H/TOT	34	6	1	5	2	48	57	1	3	1	11	0	16	31	0	0	0	0	0	0	0
17:00	11	0	0	0	0	11	11	0	1	0	0	0	1	1	1	0	0	0	0	1	1
17:15	6	0	0	1	0	7	8	1	0	0	0	0	1	1	0	0	0	0	0	0	0
17:30	5	1	0	0	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:45	9	0	0	1	0	10	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H/TOT	31	1	0	2	0	34	37	1	1	0	0	0	2	2	1	0	0	0	0	1	1
18:00	12	1	1	1	0	15	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:15	7	0	0	0	0	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	6	0	1	0	0	7	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:45	5	2	0	0	0	7	7	2	0	0	0	0	2	2	0	0	0	0	0	0	0
H/TOT	30	3	2	1	0	36	38	2	0	0	0	0	2	2	0	0	0	0	0	0	0
P/TOT	292	43	11	20	5	371	408	59	23	5	124	1	212	377	15	3	0	5	0	23	30

Planning Department
 04 NOV 2021
 Cork County Council
 County Hall
 Traffinomics Limited for
 PMCE Consulting Engineers

TRAFFINOMICS LIMITED

**ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS
MANUAL CLASSIFIED JUNCTION TURNING COUNTS**

**APRIL 2021
TRA/21, 000**

SITE: 01

DATE: 13th April 2021

LOCATION: L3619/Lagan Quarry Entrance

DAY: Tuesday

TIME	MOVEMENT 4							MOVEMENT 5							MOVEMENT 6						
	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	2
07:30	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0
07:45	0	0	0	0	0	0	0	0	1	1	0	0	2	3	0	0	1	0	0	1	2
H/TOT	0	0	0	0	0	0	0	0	2	1	0	0	3	4	1	1	1	0	0	3	4
08:00	1	0	0	0	0	1	1	1	0	0	0	1	2	3	1	0	0	0	1	2	
08:15	1	0	0	0	0	1	1	3	0	0	0	0	3	3	0	0	0	0	0	0	0
08:30	0	1	0	0	0	1	1	11	2	0	0	1	14	15	1	0	0	0	0	1	1
08:45	0	0	0	0	0	0	0	2	2	0	0	0	4	4	0	0	0	0	0	0	0
H/TOT	2	1	0	0	0	3	3	17	4	0	0	2	23	25	2	0	0	0	1	3	4
09:00	0	1	0	0	0	1	1	2	0	0	1	0	3	4	2	0	0	1	0	3	4
09:15	0	0	0	0	0	0	0	1	0	0	1	0	2	3	0	0	0	0	0	0	0
09:30	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	1	0	0	1	2
09:45	0	0	0	0	0	0	0	2	1	0	0	0	3	3	2	0	1	0	0	3	4
H/TOT	0	1	0	0	0	1	1	5	2	0	2	0	9	12	4	0	2	1	0	7	9
10:00	0	0	0	0	0	0	0	1	0	0	0	0	1	1	2	0	0	1	0	3	4
10:15	1	0	0	0	0	1	1	1	0	0	1	0	2	3	2	2	0	0	0	4	4
10:30	0	0	0	0	0	0	0	1	1	0	1	0	3	4	0	0	1	0	0	1	2
10:45	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	0	0	0	0	1	
H/TOT	1	0	0	0	0	1	1	4	1	0	2	0	7	10	5	2	1	1	0	9	
11:00	0	0	0	0	0	0	0	5	0	0	0	0	5	5	3	0	0	1	0	4	5
11:15	0	0	0	0	0	0	0	3	0	0	0	0	3	3	3	0	0	0	0	3	3
11:30	0	0	0	0	0	0	0	3	1	0	0	0	4	4	0	0	2	0	0	2	3
11:45	0	0	0	0	0	0	0	2	0	0	1	0	3	4	3	0	0	0	0	3	3
H/TOT	0	0	0	0	0	0	0	13	1	0	1	0	15	16	9	0	2	1	0	12	14
12:00	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	2	2
12:15	0	0	0	0	0	0	0	4	0	0	0	0	4	4	2	0	1	0	0	3	4
12:30	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0
12:45	0	0	0	0	0	0	0	2	0	0	0	0	2	2	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	8	0	0	0	0	8	8	3	1	1	0	0	5	6

TRAFFINOMICS LIMITED

ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS

APRIL 2021

MANUAL CLASSIFIED JUNCTION TURNING COUNTS

TRA/21/035

SITE: 01

DATE: 13th April 2021

LOCATION: L3619/Lagan Quarry Entrance

DAY: Tuesday

TIME	MOVEMENT 4							MOVEMENT 5							MOVEMENT 6						
	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU
13:00	1	1	0	0	0	2	2	3	1	0	0	0	4	4	0	1	0	0	1	2	3
13:15	1	0	0	0	0	1	1	1	1	0	0	0	2	2	0	0	0	1	0	1	2
13:30	0	0	0	1	0	1	2	0	1	0	0	0	1	1	2	0	0	0	0	2	2
13:45	0	0	0	0	0	0	0	4	2	0	0	1	7	8	3	1	1	0	0	5	6
H/TOT	2	1	0	1	0	4	5	8	5	0	0	1	14	15	5	2	1	1	1	10	13
14:00	1	0	0	0	0	1	1	1	1	1	1	0	4	6	3	0	0	0	0	3	3
5	0	0	0	0	0	0	0	1	1	0	0	0	2	2	0	0	0	0	0	0	0
14:30	0	0	0	0	0	0	0	2	1	0	0	0	3	3	1	0	0	0	0	1	1
14:45	0	0	0	0	0	0	0	2	0	0	0	0	2	2	1	0	0	0	0	1	1
H/TOT	1	0	0	0	0	1	1	6	3	1	1	0	11	13	5	0	0	0	0	5	5
15:00	0	0	0	0	0	0	0	4	1	0	0	0	5	5	1	0	0	1	0	2	3
15:15	1	0	0	0	0	1	1	9	0	0	0	0	9	9	0	0	0	0	0	0	0
15:30	0	0	0	0	0	0	0	8	3	0	0	1	12	13	1	1	0	1	0	3	4
15:45	0	0	0	0	0	0	0	4	1	1	0	0	6	7	1	0	0	0	0	1	1
H/TOT	1	0	0	0	0	1	1	25	5	1	0	1	32	34	3	1	0	2	0	6	9
16:00	0	0	0	0	0	0	0	2	0	0	0	0	2	2	1	0	0	1	0	2	3
16:15	0	0	0	0	0	0	0	3	1	0	0	0	4	4	0	0	0	0	0	0	0
16:30	0	0	0	0	0	0	0	4	0	0	0	0	4	4	0	0	0	0	0	0	0
16:45	1	0	0	0	0	1	1	4	0	0	0	0	4	4	1	0	0	0	0	1	1
H/TOT	1	0	0	0	0	1	1	13	1	0	0	0	14	14	2	0	0	1	0	3	4
17:00	0	0	0	0	0	0	0	2	0	0	0	0	2	2	1	0	0	0	0	1	1
17:15	0	0	0	0	0	0	0	7	1	0	0	0	8	8	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	7	1	0	0	0	8	8	0	1	0	0	0	1	1
17:45	1	0	0	0	0	1	1	5	2	0	0	0	7	7	0	0	0	0	0	0	0
H/TOT	1	0	0	0	0	1	1	21	4	0	0	0	25	25	1	1	0	0	0	2	2
18:00	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0
18:15	0	1	0	0	0	1	1	1	0	1	0	0	2	3	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0
18:45	0	0	0	0	0	0	0	2	0	0	0	0	2	2	0	0	0	0	0	0	0
H/TOT	0	1	0	0	0	1	1	5	0	1	0	0	6	7	0	0	0	0	0	0	0
P/TOT	9	4	0	1	0	14	15	125	28	4	6	4	167	181	40	8	8	7	2	65	80

Planning Department
 04 NOV 2021
 Cork County Council
 County Hall
 Traffinomics Limited for
 PMCE Consulting Engineers

TRAFFINOMICS LIMITED

**ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS
MANUAL CLASSIFIED JUNCTION TURNING COUNTS**

**APRIL 2021
TRA/21, ---**

SITE: 01

DATE: 13th April 2021

LOCATION: L3619/Lagan Quarry Entrance

DAY: Tuesday

TIME	MOVEMENT 7							MOVEMENT 8							MOVEMENT 9						
	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU
07:00	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	0	0	1	0	1	2
07:15	0	0	0	0	0	0	0	1	0	0	1	0	2	3	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0	0	0	3	0	3	7	0	0	0	0	0	0	0
07:45	0	0	0	0	0	0	0	0	0	0	4	0	4	9	0	0	0	2	0	2	5
H/TOT	0	0	0	0	0	0	0	1	0	0	9	0	10	22	0	0	0	3	0	3	7
08:00	0	0	0	0	0	0	0	1	0	0	2	0	3	6	0	0	1	0	0	1	
08:15	0	1	0	0	0	1	1	2	0	0	2	0	4	7	0	0	0	1	0	1	2
08:30	0	0	0	0	0	0	0	0	0	0	2	0	2	5	0	0	0	1	0	1	2
08:45	0	0	0	0	0	0	0	0	0	1	7	0	8	18	0	0	0	1	0	1	2
H/TOT	0	1	0	0	0	1	1	3	0	1	13	0	17	34	0	0	1	3	0	4	8
09:00	0	0	1	0	0	1	2	0	0	0	3	0	3	7	1	0	0	0	0	1	1
09:15	0	0	0	1	0	1	2	0	1	0	2	0	3	6	0	0	0	0	0	0	0
09:30	0	0	0	0	0	0	0	1	1	0	6	0	8	16	0	0	0	0	0	0	0
09:45	0	1	0	0	0	1	1	4	1	0	3	0	8	12	1	1	0	0	0	2	2
H/TOT	0	1	1	1	0	3	5	5	3	0	14	0	22	40	2	1	0	0	0	3	3
10:00	0	0	0	0	0	0	0	1	0	1	1	0	3	5	0	0	0	0	0	0	0
10:15	1	0	0	0	0	1	1	2	0	0	7	0	9	18	0	1	0	0	0	1	1
10:30	1	0	1	1	0	3	5	0	0	0	2	0	2	5	1	0	0	0	0	1	1
10:45	0	0	0	1	0	1	2	3	0	0	1	0	4	5	0	0	0	0	0	0	
H/TOT	2	0	1	2	0	5	8	6	0	1	11	0	18	33	1	1	0	0	0	2	
11:00	0	1	1	1	0	3	5	1	0	1	6	0	8	16	1	1	0	0	0	2	2
11:15	0	0	0	0	0	0	0	5	0	0	4	0	9	14	1	0	0	0	0	1	1
11:30	1	0	0	1	0	2	3	3	1	0	0	0	4	4	1	0	0	0	0	1	1
11:45	1	0	0	1	0	2	3	3	0	0	4	0	7	12	2	0	1	0	0	3	4
H/TOT	2	1	1	3	0	7	11	12	1	1	14	0	28	47	5	1	1	0	0	7	8
12:00	1	0	0	0	0	1	1	1	0	0	4	1	6	12	1	0	0	0	0	1	1
12:15	1	0	0	0	0	1	1	1	0	1	0	0	2	3	1	1	2	0	0	4	5
12:30	0	0	0	1	0	1	2	3	1	0	2	0	6	9	1	0	0	0	0	1	1
12:45	0	0	0	0	0	0	0	0	1	0	3	0	4	8	0	0	0	0	0	0	0
H/TOT	2	0	0	1	0	3	4	5	2	1	9	1	18	31	1	2	0	0	6	7	

TRAFFINOMICS LIMITED

ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS

APRIL 2021

Planning Department
04 NOV 2021
Cork County Council
County Hall
Cork.

MANUAL CLASSIFIED JUNCTION TURNING COUNTS

TRA/21/035

SITE: 01

DATE: 13th April 2021

LOCATION: L3619/Lagan Quarry Entrance

DAY: Tuesday

TIME	MOVEMENT 7							MOVEMENT 8							MOVEMENT 9						
	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU
13:00	2	0	0	0	0	2	2	0	0	0	2	0	2	5	0	1	0	0	0	1	1
13:15	0	0	0	0	0	0	0	0	0	0	2	0	2	5	0	0	0	0	0	0	0
13:30	0	0	0	0	0	0	0	1	0	0	3	0	4	8	0	1	0	1	0	2	3
13:45	1	1	0	1	0	3	4	4	1	0	2	0	7	10	1	0	0	0	0	1	1
H/TOT	3	1	0	1	0	5	6	5	1	0	9	0	15	27	1	2	0	1	0	4	5
14:00	4	1	0	0	0	5	5	3	1	0	3	0	7	11	1	0	0	0	0	1	1
14:15	0	0	1	0	0	1	2	4	3	0	3	0	10	14	2	0	0	0	0	2	2
14:30	0	0	0	0	0	0	0	4	0	0	6	0	10	18	0	0	0	0	0	0	0
14:45	2	0	0	0	0	2	2	1	1	0	2	0	4	7	1	0	0	1	0	2	3
H/TOT	6	1	1	0	0	8	9	12	5	0	14	0	31	49	4	0	0	1	0	5	6
15:00	1	0	0	0	0	1	1	1	1	0	2	0	4	7	0	0	1	1	0	2	4
15:15	1	1	0	1	0	3	4	1	0	0	3	0	4	8	1	0	0	0	0	1	1
15:30	0	0	0	0	0	0	0	1	0	0	6	0	7	15	0	0	0	1	0	1	2
15:45	1	1	0	0	0	2	2	3	0	0	2	0	5	8	0	0	0	1	0	1	2
H/TOT	3	2	0	1	0	6	7	6	1	0	13	0	20	37	1	0	1	3	0	5	9
16:00	0	0	0	0	0	0	0	2	0	0	3	0	5	9	0	0	0	0	0	0	0
16:15	1	0	0	0	0	1	1	0	1	0	2	0	3	6	0	0	0	0	0	0	0
16:30	1	0	0	0	0	1	1	3	2	0	4	0	9	14	0	0	0	0	0	0	0
16:45	2	0	0	0	0	2	2	1	4	0	2	0	7	10	1	1	0	0	0	2	2
H/TOT	4	0	0	0	0	4	4	6	7	0	11	0	24	38	1	1	0	0	0	2	2
17:00	0	0	0	1	0	1	2	1	0	1	0	0	2	3	1	2	0	0	0	3	3
17:15	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	2	1	0	0	0	3	3	0	0	0	0	0	0	0
17:45	0	0	0	0	0	0	0	3	0	0	1	0	4	5	0	0	0	0	0	0	0
H/TOT	0	0	0	1	0	1	2	6	1	1	2	0	10	13	1	2	0	0	0	3	3
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:15	0	0	0	0	0	0	0	1	1	0	0	0	2	2	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:45	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	2	1	0	0	0	3	3	0	0	0	0	0	0	0
P/TOT	22	7	4	10	0	43	58	69	22	5	119	1	216	374	19	9	5	11	0	44	61

Planning Department
 04 NOV 2021
 Cork County Council
 County Hall
 Cork.

TRAFFINOMICS LIMITED

**ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS
MANUAL CLASSIFIED JUNCTION TURNING COUNTS**

**APRIL 2021
TRA/21/---**

SITE: 01

DATE: 13th April 2021

LOCATION: L3619/Lagan Quarry Entrance

DAY: Tuesday

TIME	MOVEMENT 10							MOVEMENT 11							MOVEMENT 12						
	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	2
07:15	0	0	0	0	0	0	0	0	1	0	0	0	1	1	3	0	0	2	0	5	8
07:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	6	6
07:45	0	0	0	0	0	0	0	1	1	0	0	0	2	2	4	2	0	0	0	6	6
H/TOT	0	0	0	0	0	0	0	1	2	0	0	0	3	3	14	3	0	2	0	19	22
08:00	0	0	0	0	0	0	0	5	1	0	0	0	6	6	18	1	0	0	1	20	
08:15	0	0	0	0	0	0	0	5	0	0	0	1	6	7	11	1	0	0	1	13	14
08:30	0	0	0	0	0	0	0	2	0	1	0	0	3	4	5	1	0	0	1	7	8
08:45	0	0	1	0	0	1	2	1	0	0	0	0	1	1	3	0	0	0	0	3	3
H/TOT	0	0	1	0	0	1	2	13	1	1	0	1	16	18	37	3	0	0	3	43	46
09:00	0	0	0	0	0	0	0	3	0	1	0	0	4	5	1	0	0	0	0	1	1
09:15	0	0	0	0	0	0	0	3	0	0	0	0	3	3	4	0	0	1	0	5	6
09:30	0	0	0	0	0	0	0	3	1	0	0	0	4	4	3	1	0	1	0	5	6
09:45	0	0	0	0	0	0	0	1	1	0	0	0	2	2	2	1	0	0	0	3	3
H/TOT	0	0	0	0	0	0	0	10	2	1	0	0	13	14	10	2	0	2	0	14	17
10:00	0	0	0	0	0	0	0	3	0	0	0	0	3	3	5	0	0	1	0	6	7
10:15	0	1	0	0	0	1	1	0	0	0	1	0	1	2	2	1	0	1	0	4	5
10:30	0	0	0	0	0	0	0	2	1	1	0	0	4	5	1	0	1	0	0	2	3
10:45	0	0	0	0	0	0	0	3	0	0	0	0	3	3	1	0	0	0	0	1	
H/TOT	0	1	0	0	0	1	1	8	1	1	1	0	11	13	9	1	1	2	0	13	--
11:00	0	0	0	0	0	0	0	2	1	0	0	0	3	3	1	0	0	0	0	1	1
11:15	0	0	0	0	0	0	0	3	1	0	0	0	4	4	4	1	1	0	0	6	7
11:30	0	0	0	0	0	0	0	3	0	1	0	0	4	5	7	1	0	0	0	8	8
11:45	0	0	0	0	0	0	0	5	0	0	0	0	5	5	4	0	0	1	0	5	6
H/TOT	0	0	0	0	0	0	0	13	2	1	0	0	16	17	16	2	1	1	0	20	22
12:00	2	0	0	0	0	2	2	2	0	0	0	0	2	2	2	1	0	0	0	3	3
12:15	0	0	0	0	0	0	0	2	3	1	0	0	6	7	1	0	0	0	0	1	1
12:30	1	1	0	0	0	2	2	3	2	2	0	0	7	8	1	1	0	0	0	2	2
12:45	0	0	0	0	0	0	0	8	0	0	0	0	8	8	3	1	0	2	0	6	9
H/TOT	3	1	0	0	0	4	4	15	5	3	0	0	23	25	7	3	0	2	0	12	15

TRAFFINOMICS LIMITED

ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS

APRIL 2021

04 NOV 2021
Donegal County Council
County Hall
Cork

MANUAL CLASSIFIED JUNCTION TURNING COUNTS

TRA/21/035

SITE: 01

DATE: 13th April 2021

LOCATION: L3619/Lagan Quarry Entrance

DAY: Tuesday

TIME	MOVEMENT 10							MOVEMENT 11							MOVEMENT 12						
	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU
13:00	0	0	0	0	0	0	0	2	0	0	0	0	2	2	6	0	0	0	0	6	6
13:15	0	0	0	0	0	0	0	4	1	0	0	0	5	5	10	1	0	0	0	11	11
13:30	1	0	0	0	0	1	1	3	0	0	0	1	4	5	6	1	1	0	0	8	9
13:45	0	0	0	0	0	0	0	4	2	0	0	1	7	8	4	1	0	0	0	5	5
H/TOT	1	0	0	0	0	1	1	13	3	0	0	2	18	20	26	3	1	0	0	30	31
14:00	0	0	0	0	0	0	0	5	0	0	0	0	5	5	2	0	0	0	0	2	2
5	0	0	0	0	0	0	0	3	2	0	0	0	5	5	4	1	0	0	0	5	5
14:30	2	0	0	0	0	2	2	5	0	0	0	0	5	5	5	1	0	1	0	7	8
14:45	1	0	1	0	0	2	3	5	0	0	0	0	5	5	4	1	0	1	0	6	7
H/TOT	3	0	1	0	0	4	5	18	2	0	0	0	20	20	15	3	0	2	0	20	23
15:00	0	0	0	0	0	0	0	2	0	1	1	0	4	6	7	0	0	0	1	8	9
15:15	0	0	0	1	0	1	2	3	1	0	0	0	4	4	5	0	0	1	0	6	7
15:30	1	0	0	1	0	2	3	6	0	0	0	0	6	6	7	1	0	0	0	8	8
15:45	0	0	0	0	0	0	0	9	1	0	0	0	10	10	10	1	0	0	0	11	11
H/TOT	1	0	0	2	0	3	6	20	2	1	1	0	24	26	29	2	0	1	1	33	35
16:00	0	0	0	0	0	0	0	4	1	0	0	0	5	5	4	1	0	0	0	5	5
16:15	0	0	0	0	0	0	0	7	1	0	0	1	9	10	6	1	0	0	0	7	7
16:30	0	0	0	0	0	0	0	5	1	1	0	0	7	8	4	2	1	1	0	8	10
16:45	0	0	0	0	0	0	0	3	3	0	0	0	6	6	5	0	0	0	0	5	5
H/TOT	0	0	0	0	0	0	0	19	6	1	0	1	27	29	19	4	1	1	0	25	27
17:00	0	0	0	0	0	0	0	3	0	0	0	0	3	3	3	1	1	0	0	5	6
17:15	0	0	0	0	0	0	0	5	0	0	0	0	5	5	4	0	0	0	0	4	4
17:30	0	0	0	0	0	0	0	6	0	0	0	0	6	6	9	2	0	0	0	11	11
17:45	0	0	0	0	0	0	0	7	0	0	0	0	7	7	8	0	1	0	0	9	10
H/TOT	0	0	0	0	0	0	0	21	0	0	0	0	21	21	24	3	2	0	0	29	30
18:00	0	0	0	0	0	0	0	5	1	0	0	0	6	6	8	1	0	0	0	9	9
18:15	0	0	0	0	0	0	0	4	0	0	0	0	4	4	5	0	0	0	0	5	5
18:30	0	0	0	0	0	0	0	3	0	0	0	0	3	3	2	1	0	0	0	3	3
18:45	0	0	0	0	0	0	0	2	0	0	0	0	2	2	5	0	0	0	0	5	5
H/TOT	0	0	0	0	0	0	0	14	1	0	0	0	15	15	20	2	0	0	0	22	22
P/TOT	8	2	2	2	0	14	18	165	27	9	2	4	207	218	226	31	6	13	4	280	304

Planning Department
 04 NOV 2021
 Cork City Council
 Council Hall
 Cork

TRAFFINOMICS LIMITED

**ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS
MANUAL CLASSIFIED JUNCTION TURNING COUNTS**

**APRIL 2021
TRA/21, 000**

SITE: 02

DATE: 13th April 2021

LOCATION: L3619/Father O'Keffee Terrace

DAY: Tuesday

TIME	MOVEMENT 1							MOVEMENT 2							MOVEMENT 3						
	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU
07:00	0	0	0	0	0	0	0	5	0	0	0	0	5	5	1	0	0	0	0	1	1
07:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	7
07:30	0	0	0	0	0	0	0	1	1	0	1	0	3	4	1	0	0	2	0	3	6
07:45	0	0	0	0	0	0	0	2	0	0	0	0	2	2	1	1	0	0	0	2	2
H/TOT	0	0	0	0	0	0	0	8	1	0	1	0	10	11	3	1	0	5	0	9	16
08:00	0	0	0	0	0	0	0	3	1	0	1	1	6	8	2	0	0	2	0	4	
08:15	0	0	0	0	0	0	0	11	0	0	0	0	11	11	9	0	0	1	0	10	11
08:30	0	0	0	0	0	0	0	8	0	0	2	0	10	13	2	0	0	0	0	2	2
08:45	0	0	0	0	0	0	0	1	0	0	0	0	1	1	2	0	0	0	0	2	2
H/TOT	0	0	0	0	0	0	0	23	1	0	3	1	28	33	15	0	0	3	0	18	22
09:00	0	0	0	0	0	0	0	2	1	0	1	0	4	5	2	0	0	0	0	2	2
09:15	1	0	0	0	0	1	1	3	0	0	3	0	6	10	1	0	0	1	0	2	3
09:30	0	1	0	0	0	1	1	1	0	0	0	0	1	1	2	1	0	4	0	7	12
09:45	0	0	0	0	0	0	0	0	0	1	0	0	1	2	1	0	0	1	0	2	3
H/TOT	1	1	0	0	0	2	2	6	1	1	4	0	12	18	6	1	0	6	0	13	21
10:00	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	1	0	0	1	2
10:15	0	0	0	0	0	0	0	1	1	0	0	0	2	2	0	1	0	0	0	1	1
10:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	2
10:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	
H/TOT	0	0	0	0	0	0	0	1	2	0	0	0	3	3	2	2	1	1	0	6	-
11:00	2	0	0	0	0	2	2	4	0	0	1	0	5	6	2	0	0	1	0	3	4
11:15	0	0	0	0	0	0	0	0	0	1	1	0	2	4	0	1	1	1	0	3	5
11:30	0	0	0	0	0	0	0	1	0	2	1	0	4	6	0	1	0	1	0	2	3
11:45	2	0	0	0	0	2	2	1	0	0	1	0	2	3	1	0	0	1	0	2	3
H/TOT	4	0	0	0	0	4	4	6	0	3	4	0	13	20	3	2	1	4	0	10	16
12:00	0	0	0	0	0	0	0	1	1	0	0	0	2	2	2	0	0	3	0	5	9
12:15	0	0	0	0	0	0	0	2	1	0	1	0	4	5	3	1	0	1	0	5	6
12:30	1	0	0	0	0	1	1	2	0	0	0	0	2	2	1	0	0	0	0	1	1
12:45	0	0	0	0	0	0	0	2	0	0	3	0	5	9	1	0	1	0	0	2	3
H/TOT	1	0	0	0	0	1	1	7	2	0	4	0	13	18	7	1	1	4	0	13	19

TRAFFINOMICS LIMITED

ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS

APRIL 2021



MANUAL CLASSIFIED JUNCTION TURNING COUNTS

TRA/21/035

SITE: 02

DATE: 13th April 2021

LOCATION: L3619/Father O'Keffee Terrace

DAY: Tuesday

TIME	MOVEMENT 1							MOVEMENT 2							MOVEMENT 3						
	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU
13:00	0	0	0	0	0	0	0	4	1	0	1	0	6	7	1	0	0	3	0	4	8
13:15	1	0	0	0	0	1	1	4	1	0	0	0	5	5	5	0	0	0	0	5	5
13:30	0	0	0	0	0	0	0	2	0	0	0	0	2	2	6	0	1	1	0	8	10
13:45	0	0	0	0	0	0	0	1	0	1	0	0	2	3	0	0	0	1	0	1	2
H/TOT	1	0	0	0	0	1	1	11	2	1	1	0	15	17	12	0	1	5	0	18	25
14:00	0	0	0	0	0	0	0	4	1	0	0	0	5	5	3	0	0	1	0	4	5
14:15	0	0	0	0	0	0	0	2	0	0	1	0	3	4	5	0	0	0	0	5	5
14:30	0	0	0	0	0	0	0	4	0	0	4	1	9	15	3	0	0	0	0	3	3
5	0	0	0	0	0	0	0	2	0	0	0	0	2	2	2	0	0	0	0	2	2
H/TOT	0	0	0	0	0	0	0	12	1	0	5	1	19	27	13	0	0	1	0	14	15
15:00	0	0	0	0	0	0	0	4	0	0	1	0	5	6	0	0	0	0	0	0	0
15:15	0	0	0	0	0	0	0	1	0	0	0	0	1	1	4	0	0	0	0	4	4
15:30	0	0	0	0	0	0	0	1	1	0	0	0	2	2	4	0	0	0	0	4	4
15:45	0	0	0	0	0	0	0	13	0	0	0	0	13	13	1	1	0	0	0	2	2
H/TOT	0	0	0	0	0	0	0	19	1	0	1	0	21	22	9	1	0	0	0	10	10
16:00	1	0	0	0	0	1	1	6	1	0	0	0	7	7	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	6	0	0	0	0	6	6	2	1	0	0	0	3	3
16:30	1	0	0	0	0	1	1	6	0	0	0	0	6	6	3	1	0	1	0	5	6
16:45	0	0	0	0	0	0	0	5	0	0	0	0	5	5	2	0	0	1	0	3	4
H/TOT	2	0	0	0	0	2	2	23	1	0	0	0	24	24	7	2	0	2	0	11	14
17:00	0	0	0	0	0	0	0	4	1	0	0	0	5	5	5	2	0	0	0	7	7
17:15	1	0	0	0	0	1	1	3	0	0	0	0	3	3	1	0	0	0	0	1	1
17:30	1	0	0	0	0	1	1	2	0	0	1	0	3	4	2	1	0	0	0	3	3
17:45	0	1	0	0	0	1	1	3	0	0	0	0	3	3	1	0	0	0	0	1	1
H/TOT	2	1	0	0	0	3	3	12	1	0	1	0	14	15	9	3	0	0	0	12	12
18:00	1	0	0	0	0	1	1	2	0	0	0	0	2	2	1	0	0	0	0	1	1
18:15	0	0	0	0	0	0	0	5	1	0	0	0	6	6	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	2
18:45	0	0	0	0	0	0	0	4	2	0	0	0	6	6	0	0	0	0	0	0	0
H/TOT	1	0	0	0	0	1	1	11	3	0	0	0	14	14	3	0	0	0	0	3	3
P/TOT	12	2	0	0	0	14	14	139	16	5	24	2	186	222	89	13	4	31	0	137	179



TRAFFINOMICS LIMITED

**ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS
MANUAL CLASSIFIED JUNCTION TURNING COUNTS**

**APRIL 2021
TRA/21, 000**

SITE: 02

DATE: 13th April 2021

LOCATION: L3619/Father O'Keffee Terrace

DAY: Tuesday

TIME	MOVEMENT 4							MOVEMENT 5							MOVEMENT 6						
	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15	1	1	0	0	0	2	2	0	1	0	0	0	1	1	0	0	0	0	0	0	0
07:30	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45	0	1	2	0	0	3	4	1	1	0	0	0	2	2	0	0	0	0	0	0	0
H/TOT	2	2	2	0	0	6	7	1	2	0	0	0	3	3	0	0	0	0	0	0	0
08:00	3	0	0	0	2	5	7	4	1	0	0	0	5	5	0	0	0	0	0	0	0
08:15	4	1	0	0	0	5	5	4	1	0	0	1	6	7	2	0	0	0	0	2	2
08:30	12	3	0	0	1	16	17	4	0	1	1	0	6	8	0	0	0	0	0	0	0
08:45	2	2	0	0	0	4	4	2	0	0	0	0	2	2	0	0	0	0	0	0	0
H/TOT	21	6	0	0	3	30	33	14	2	1	1	1	19	22	2	0	0	0	0	2	2
09:00	3	1	0	2	0	6	9	3	0	2	0	0	5	6	1	0	0	0	0	1	1
09:15	1	0	0	1	0	2	3	2	0	0	2	0	4	7	0	0	0	0	0	0	0
09:30	0	0	1	0	0	1	2	3	1	0	0	0	4	4	0	0	0	0	0	0	0
09:45	4	2	1	0	0	7	8	2	2	0	0	0	4	4	0	0	0	0	0	0	0
H/TOT	8	3	2	3	0	16	21	10	3	2	2	0	17	21	1	0	0	0	0	1	1
10:00	4	0	0	1	0	5	6	3	0	0	0	0	3	3	1	0	0	0	0	1	1
10:15	3	2	0	1	0	6	7	1	0	0	0	0	1	1	0	0	0	0	0	0	0
10:30	1	1	1	1	0	4	6	4	1	1	2	0	8	11	0	0	0	0	0	0	0
10:45	2	0	0	0	0	2	2	0	0	1	1	0	2	4	0	0	0	0	0	0	0
H/TOT	10	3	1	3	0	17	21	8	1	2	3	0	14	19	1	0	0	0	0	1	1
11:00	8	0	0	1	0	9	10	5	2	1	0	0	8	9	1	0	0	0	0	1	1
11:15	5	0	0	0	0	5	5	1	0	0	2	0	3	6	1	0	0	0	0	1	1
11:30	3	1	2	0	0	6	7	7	1	1	1	0	10	12	0	0	0	0	0	0	0
11:45	2	0	0	1	0	3	4	5	0	0	1	0	6	7	0	0	0	0	0	0	0
H/TOT	18	1	2	2	0	23	27	18	3	2	4	0	27	33	2	0	0	0	0	2	2
12:00	2	0	0	0	0	2	2	2	1	0	0	0	3	3	1	0	0	0	0	1	1
12:15	7	0	0	0	0	7	7	6	3	1	0	0	10	11	0	0	0	0	0	0	0
12:30	0	1	0	0	0	1	1	4	3	2	1	0	10	12	0	0	0	0	0	0	0
12:45	2	0	1	0	0	3	4	10	0	0	1	0	11	12	0	0	0	0	0	0	0
H/TOT	11	1	1	0	0	13	14	22	7	3	2	0	34	38	1	0	0	0	0	1	1

TRAFFINOMICS LIMITED

ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS

APRIL 2021



LOCATION: L3619/Father O'Keffee Terrace

DAY: Tuesday

TIME	MOVEMENT 4					TOT	PCU	MOVEMENT 5					TOT	PCU	MOVEMENT 6					TOT	PCU
	CAR	LGV	OGV1	OGV2	BUS			CAR	LGV	OGV1	OGV2	BUS			TOT	PCU	CAR	LGV	OGV1		
13:00	4	3	0	0	1	8	9	2	0	0	0	2	2	1	0	0	0	0	1	1	
13:15	4	1	0	1	0	6	7	4	0	0	0	4	4	1	1	0	0	0	2	2	
13:30	2	1	0	1	0	4	5	4	0	0	1	5	6	0	0	0	0	0	0	0	
13:45	8	1	1	0	1	11	13	5	3	0	1	10	12	1	0	0	0	0	1	1	
H/TOT	18	6	1	2	2	29	34	15	3	0	1	21	24	3	1	0	0	0	4	4	
14:00	3	1	1	1	0	6	8	12	2	0	0	14	14	0	0	0	0	0	0	0	
14:15	2	1	0	0	0	3	3	2	2	1	0	5	6	0	0	0	0	0	0	0	
14:30	3	1	0	0	0	4	4	5	0	0	0	5	5	2	0	0	0	0	2	2	
5	3	0	0	0	0	3	3	5	0	0	1	6	7	1	0	0	0	0	1	1	
H/TOT	11	3	1	1	0	16	18	24	4	1	1	30	32	3	0	0	0	0	3	3	
15:00	5	2	0	1	0	8	9	5	0	1	1	7	9	0	0	0	0	0	0	0	
15:15	8	1	0	0	0	9	9	5	2	0	1	8	9	0	0	0	0	0	0	0	
15:30	10	3	0	1	1	15	17	5	0	0	0	5	5	1	0	0	0	0	1	1	
15:45	4	1	1	0	0	6	7	9	2	0	0	11	11	0	0	0	0	0	0	0	
H/TOT	27	7	1	2	1	38	42	24	4	1	2	31	34	1	0	0	0	0	1	1	
16:00	2	0	0	1	0	3	4	5	1	0	0	6	6	0	0	0	0	0	0	0	
16:15	3	1	0	0	0	4	4	6	1	0	0	8	9	1	0	0	0	0	1	1	
16:30	9	0	0	0	0	9	9	9	0	0	0	9	9	1	0	0	0	0	1	1	
16:45	5	0	0	0	0	5	5	1	4	0	0	5	5	0	0	0	0	0	0	0	
H/TOT	19	1	0	1	0	21	22	21	6	0	0	28	29	2	0	0	0	0	2	2	
17:00	2	0	0	0	0	2	2	2	0	0	0	2	2	2	0	0	1	0	3	4	
17:15	6	1	0	0	0	7	7	4	0	0	0	4	4	0	0	0	0	0	0	0	
0	6	1	0	0	0	7	7	7	0	0	0	7	7	0	0	0	0	0	0	0	
17:45	5	2	0	0	0	7	7	7	0	0	0	7	7	0	0	0	0	0	0	0	
H/TOT	19	4	0	0	0	23	23	20	0	0	0	20	20	2	0	0	1	0	3	4	
18:00	0	0	0	0	0	0	0	3	0	0	0	3	3	0	0	0	0	0	0	0	
18:15	1	1	1	0	0	3	4	6	1	0	0	7	7	0	0	0	0	0	0	0	
18:30	1	0	0	0	0	1	1	3	0	0	0	3	3	0	0	0	0	0	0	0	
18:45	2	0	0	0	0	2	2	2	0	0	0	2	2	0	0	0	0	0	0	0	
H/TOT	4	1	1	0	0	6	7	14	1	0	0	15	15	0	0	0	0	0	0	0	
P/TOT	168	38	12	14	6	238	268	191	36	12	16	259	290	18	1	0	1	0	20	21	

Planning Department
 04 NOV 2021
 Cork County Council
 Cork County Hall
 Cork.

TRAFFINOMICS LIMITED

**ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS
MANUAL CLASSIFIED JUNCTION TURNING COUNTS**

**APRIL 2021
TRA/21, 000**

SITE: 03

DATE: 13th April 2021

LOCATION: Father O'Keffee Terrace/Unclassified Road to Lagan Quarry

DAY: Tuesday

TIME	MOVEMENT 1						TOT	PCU	MOVEMENT 2						TOT	PCU	MOVEMENT 3						TOT	PCU
	CAR	LGV	OGV1	OGV2	BUS	CAR			LGV	OGV1	OGV2	BUS	CAR	LGV			OGV1	OGV2	BUS					
07:00	4	0	0	1	0	5	6	3	1	0	0	0	4	4	0	0	0	0	0	0	0	0		
07:15	2	0	0	3	0	5	9	2	0	0	0	0	2	2	5	0	0	2	0	7	10			
07:30	5	3	0	6	0	14	22	2	0	0	0	0	2	2	4	0	0	2	0	6	9			
07:45	11	4	0	3	0	18	22	3	0	0	1	0	4	5	0	0	0	0	0	0	0			
H/TOT	22	7	0	13	0	42	59	10	1	0	1	0	12	13	9	0	0	4	0	13	18			
08:00	4	3	0	4	0	11	16	3	2	0	1	1	7	9	5	0	0	1	0	6				
08:15	13	0	0	4	1	18	24	8	0	0	0	0	8	8	11	0	0	1	0	12	13			
08:30	10	3	0	5	0	18	25	9	0	0	2	0	11	14	6	0	0	1	0	7	8			
08:45	10	2	0	4	0	16	21	6	1	0	0	0	7	7	3	1	0	0	0	4	4			
H/TOT	37	8	0	17	1	63	86	26	3	0	3	1	33	38	25	1	0	3	0	29	33			
09:00	7	0	0	3	0	10	14	1	1	0	0	0	2	2	3	0	0	0	0	3	3			
09:15	2	0	0	6	0	8	16	1	0	0	3	0	4	8	2	0	0	1	0	3	4			
09:30	4	0	0	4	0	8	13	4	0	0	1	0	5	6	1	0	0	2	0	3	6			
09:45	9	1	0	3	0	13	17	1	1	1	0	0	3	4	4	0	0	2	0	6	9			
H/TOT	22	1	0	16	0	39	60	7	2	1	4	0	14	20	10	0	0	5	0	15	22			
10:00	3	0	0	4	0	7	12	1	1	0	0	0	2	2	3	0	1	1	0	5	7			
10:15	8	0	0	2	0	10	13	2	0	0	0	0	2	2	0	0	0	0	0	0	0			
10:30	11	3	1	4	0	19	25	1	0	0	0	0	1	1	2	1	0	0	0	3	3			
10:45	5	1	0	5	0	11	18	0	0	0	0	0	0	0	1	0	0	1	0	2	-			
H/TOT	27	4	1	15	0	47	67	4	1	0	0	0	5	5	6	1	1	2	0	10				
11:00	6	1	1	3	0	11	15	2	0	0	1	0	3	4	4	0	0	1	0	5	6			
11:15	6	1	0	3	0	10	14	4	1	0	1	0	6	7	2	0	0	1	0	3	4			
11:30	10	4	1	4	0	19	25	3	0	0	0	0	3	3	4	0	0	2	0	6	9			
11:45	3	2	1	4	0	10	16	2	0	2	2	0	6	10	1	0	0	1	0	2	3			
H/TOT	25	8	3	14	0	50	70	11	1	2	4	0	18	24	11	0	0	5	0	16	23			
12:00	6	0	1	3	0	10	14	2	1	0	0	0	3	3	5	0	0	1	0	6	7			
12:15	9	2	1	2	0	14	17	2	1	0	1	0	4	5	4	0	0	2	0	6	9			
12:30	3	0	1	6	0	10	18	4	1	0	0	0	5	5	2	1	0	1	0	4	5			
12:45	13	1	1	1	0	16	18	5	0	0	2	0	7	10	2	0	0	0	0	2	2			
H/TOT	31	3	4	12	0	50	68	13	3	0	3	0	19	23	13	1	0	4	0	18	23			

TRAFFINOMICS LIMITED

ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS

APRIL 2021



MANUAL CLASSIFIED JUNCTION TURNING COUNTS

TRA/21/035

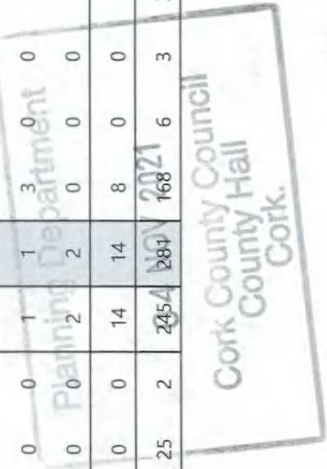
SITE: 03

DATE: 13th April 2021

LOCATION: Father O'Keffee Terrace/Unclassified Road to Lagan Quarry

DAY: Tuesday

TIME	MOVEMENT 1				MOVEMENT 2				MOVEMENT 3				TOT	PCU					
	CAR	LGV	OGV1	OGV2 BUS	TOT	PCU	CAR	LGV	OGV1	OGV2 BUS	TOT	PCU			CAR	LGV	OGV1	OGV2 BUS	TOT
13:00	3	0	1	2	0	6	9	5	0	0	1	0	2	0	1	2	0	5	8
13:15	7	3	0	4	0	14	19	7	1	0	2	0	0	0	0	1	0	4	5
13:30	9	2	1	1	0	13	15	5	0	0	0	0	0	0	1	0	0	8	9
13:45	9	2	0	3	0	14	18	1	1	0	1	0	0	0	0	2	0	7	10
HT	28	7	2	10	0	47	61	18	2	0	4	0	0	0	2	5	0	24	32
14:00	11	2	1	6	0	20	28	5	0	0	0	0	0	0	1	0	0	8	9
14:15	8	2	0	1	0	11	12	5	0	0	0	0	0	0	0	0	0	3	3
14:30	7	2	1	4	1	15	22	4	0	0	1	1	0	0	0	0	0	7	7
14:45	5	3	0	5	0	13	20	5	0	0	3	0	0	0	0	0	0	4	4
H/TOT	31	9	2	16	1	59	82	19	0	0	4	1	0	0	0	1	0	22	23
15:00	8	1	1	4	1	15	22	1	0	0	1	0	0	0	0	0	0	1	1
15:15	7	0	0	5	0	12	19	4	0	0	0	0	0	0	0	0	0	0	0
15:30	17	1	0	2	0	20	23	4	0	0	0	0	0	0	0	0	0	9	9
15:45	14	0	1	4	0	19	25	14	0	0	0	0	0	0	0	0	0	8	8
H/TOT	46	2	2	15	1	66	88	23	0	0	1	0	0	0	0	0	0	18	18
16:00	18	2	2	5	1	28	37	7	1	0	0	0	0	0	0	0	0	1	1
16:15	8	4	0	3	1	16	21	10	0	0	0	0	0	0	0	0	0	2	2
16:30	8	1	0	4	0	13	18	4	0	0	0	0	0	0	0	0	0	9	9
16:45	8	4	1	3	0	16	20	8	0	0	0	0	0	0	0	2	0	3	6
H/TOT	42	11	3	15	2	73	96	29	1	0	0	0	0	0	0	2	0	15	18
17:00	10	1	0	1	0	12	13	8	2	0	0	0	0	0	0	1	0	7	8
17:15	7	1	0	1	0	9	10	6	0	0	0	0	0	0	0	0	0	9	9
17:30	6	0	0	0	0	6	6	4	0	0	1	0	0	0	0	0	0	2	2
17:45	5	1	0	0	0	6	6	6	1	0	0	0	0	0	0	0	0	3	3
H/TOT	28	3	0	2	0	33	36	24	3	0	1	0	0	0	1	0	0	21	22
18:00	15	1	0	2	0	18	21	6	0	0	0	0	0	0	0	0	0	4	4
18:15	5	0	0	0	0	5	5	4	1	0	0	0	0	0	0	0	0	1	1
18:30	8	1	1	0	0	10	11	1	0	0	0	0	0	0	0	0	0	3	3
18:45	9	1	0	0	0	10	10	1	1	0	0	0	0	0	0	0	0	0	0
H/TOT	37	3	1	2	0	43	46	12	2	0	0	0	0	0	0	0	0	8	8
P/TOT	376	66	18	147	5	612	817	196	19	3	25	2	2	2	6	3	32	0	209



TRAFFINOMICS LIMITED

**ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS
MANUAL CLASSIFIED JUNCTION TURNING COUNTS**

**APRIL 2021
TRA/21, 035**

SITE: 03

DATE: 13th April 2021

LOCATION: Father O'Keffee Terrace/Unclassified Road to Lagan Quarry

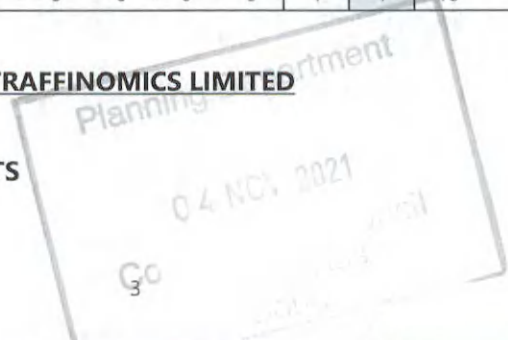
DAY: Tuesday

TIME	MOVEMENT 4							MOVEMENT 5							MOVEMENT 6						
	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	3	0	7	11
07:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	1	0	4	5
07:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	4	0	7	12
07:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	2	0	3	0	12	16
H/TOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	4	0	11	0	30	44
08:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	3	0	5	0	20	
08:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	2	2	26	31
08:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	0	1	0	9	10
08:45	1	0	0	0	0	1	1	1	0	0	0	0	1	1	4	0	1	4	1	10	17
H/TOT	1	0	0	0	0	1	1	1	0	0	0	0	1	1	45	4	1	12	3	65	84
09:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	6	0	10	18
09:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	3	0	7	11
09:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	4	0	7	12
09:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	10	17
H/TOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	3	0	18	0	34	57
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	1	3	0	12	16
10:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	6	0	15	23
10:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	4	0	6	12
10:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	2	0	6	
H/TOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	2	2	15	0	39	
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	4	0	6	11
11:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	2	3	4	0	18	25
11:30	1	0	0	0	0	1	1	0	0	0	0	0	0	0	6	0	0	1	0	7	8
11:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	0	3	0	10	14
H/TOT	1	0	0	0	0	1	1	0	0	0	0	0	0	0	23	3	3	12	0	41	58
12:00	0	1	0	0	0	1	1	1	0	0	0	0	1	1	8	0	0	6	0	14	22
12:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0	0	5	6
12:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	0	2	0	9	12
12:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	4	0	7	12
H/TOT	0	1	0	0	0	1	1	1	0	0	0	0	1	1	18	4	1	12	0	35	51

TRAFFINOMICS LIMITED

ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS

APRIL 2021



MANUAL CLASSIFIED JUNCTION TURNING COUNTS

TRA/21/035

SITE: 03

DATE: 13th April 2021

LOCATION: Father O'Keffee Terrace/Unclassified Road to Lagan Quarry

DAY: Tuesday

TIME	MOVEMENT 4					TOT	PCU	MOVEMENT 5					TOT	PCU	MOVEMENT 6					TOT	PCU
	CAR	LGV	OGV1	OGV2	BUS			CAR	LGV	OGV1	OGV2	BUS			CAR	LGV	OGV1	OGV2	BUS		
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	1	2	0	11	14
13:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	1	0	12	13
13:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	1	2	3	0	16	21
13:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	0	3	0	11	15
TOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	5	3	9	0	50	63
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	0	3	0	11	15
14:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	3	0	4	0	14	19
14:30	1	0	0	0	0	1	1	0	0	0	0	0	0	0	8	1	0	3	0	12	16
14:45	0	0	0	0	0	0	0	1	0	0	0	0	0	1	6	1	0	6	0	13	21
H/TOT	1	0	0	0	0	1	1	1	0	0	0	0	1	1	28	6	0	16	0	50	71
15:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	2	0	2	1	12	16
15:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	3	0	11	15
15:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	0	5	0	13	20
15:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	3	0	3	0	17	21
H/TOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	6	0	13	1	53	71
16:00	0	0	0	0	0	0	0	0	1	0	0	0	1	1	10	0	0	4	0	14	19
16:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	2	0	5	8
16:30	0	0	0	0	0	0	0	1	0	0	0	0	1	1	8	2	0	2	0	12	15
16:45	0	0	0	0	0	0	0	1	0	0	0	0	1	1	6	8	1	3	0	18	22
H/TOT	0	0	0	0	0	0	0	2	1	0	0	0	3	3	26	11	1	11	0	49	64
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	2	2	1	0	13	15
17:15	0	0	0	0	0	0	0	1	0	0	0	0	1	1	6	0	0	1	0	7	8
17:30	0	0	0	0	0	0	0	1	0	0	0	0	1	1	8	1	0	0	0	9	9
17:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	2	1	1	0	12	14
H/TOT	0	0	0	0	0	0	0	2	0	0	0	0	2	2	30	5	3	3	0	41	46
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	10	10
18:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	2	0	0	0	8	8
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	4	4
18:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	3
H/TOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	3	0	0	0	25	25
P/TOT	3	1	0	0	0	4	4	7	1	0	0	0	8	8	306	56	14	132	4	512	695

04 NOV 2021
Cork County Council
County Hall
Cork.

TRAFFINOMICS LIMITED

**ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS
MANUAL CLASSIFIED JUNCTION TURNING COUNTS**

**APRIL 2021
TRA/21, ---**

SITE: 04

DATE: 13th April 2021

LOCATION: L3612/N25 Junction 4

DAY: Tuesday

TIME	MOVEMENT 1							MOVEMENT 2							MOVEMENT 3						
	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU
07:00	0	0	0	0	0	0	0	3	1	0	1	0	5	6	31	6	0	0	0	37	37
07:15	0	0	0	0	0	0	0	3	1	0	3	0	7	11	45	4	0	0	0	49	49
07:30	0	0	0	0	0	0	0	6	6	0	5	0	17	24	40	5	1	0	0	46	47
07:45	0	0	0	0	0	0	0	7	4	0	1	0	12	13	52	6	2	0	0	60	61
H/TOT	0	0	0	0	0	0	0	19	12	0	10	0	41	54	168	21	3	0	0	192	194
08:00	0	0	0	0	0	0	0	8	5	0	3	1	17	22	63	2	1	1	0	67	
08:15	0	0	0	0	0	0	0	15	2	0	2	0	19	22	96	4	2	0	1	103	105
08:30	0	0	0	0	0	0	0	13	3	0	4	0	20	25	64	4	0	0	1	69	70
08:45	1	0	0	0	0	1	1	13	2	1	2	0	18	21	38	2	2	0	0	42	43
H/TOT	1	0	0	0	0	1	1	49	12	1	11	1	74	90	261	12	5	1	2	281	287
09:00	0	0	0	0	0	0	0	9	2	0	0	0	11	11	22	6	0	0	0	28	28
09:15	0	0	0	0	0	0	0	6	1	0	3	0	10	14	30	3	1	1	0	35	37
09:30	0	0	0	0	0	0	0	4	1	1	3	0	9	13	27	3	1	0	0	31	32
09:45	0	0	0	0	0	0	0	7	2	0	1	0	10	11	23	1	1	0	0	25	26
H/TOT	0	0	0	0	0	0	0	26	6	1	7	0	40	50	102	13	3	1	0	119	122
10:00	0	0	0	0	0	0	0	6	2	0	2	0	10	13	25	2	1	0	0	28	29
10:15	0	0	0	0	0	0	0	8	1	1	2	0	12	15	18	3	0	1	2	24	27
10:30	0	0	0	0	0	0	0	8	3	0	2	0	13	16	17	4	0	0	0	21	21
10:45	0	0	0	0	0	0	0	6	2	1	1	0	10	12	29	5	0	0	0	34	
H/TOT	0	0	0	0	0	0	0	28	8	2	7	0	45	55	89	14	1	1	2	107	
11:00	0	0	0	0	0	0	0	14	1	1	2	0	18	21	17	5	0	0	0	22	22
11:15	0	0	0	0	0	0	0	8	1	0	3	0	12	16	18	1	1	1	0	21	23
11:30	1	0	0	0	0	1	1	7	4	1	0	0	12	13	18	2	3	0	0	23	25
11:45	0	0	0	0	0	0	0	6	1	2	3	0	12	17	17	5	0	0	0	22	22
H/TOT	1	0	0	0	0	1	1	35	7	4	8	0	54	66	70	13	4	1	0	88	91
12:00	0	0	0	0	0	0	0	15	1	0	1	0	17	18	24	1	1	2	0	28	31
12:15	0	0	0	0	0	0	0	4	2	1	3	0	10	14	14	3	3	1	0	21	24
12:30	0	0	0	0	0	0	0	8	0	2	3	0	13	18	10	2	0	0	0	12	12
12:45	0	1	0	0	0	1	1	15	1	0	1	0	17	18	13	3	0	0	0	16	16
H/TOT	0	1	0	0	0	1	1	42	4	3	8	0	57	69	61	9	4	3	0	77	83

TRAFFINOMICS LIMITED

ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS

APRIL 2021

MANUAL CLASSIFIED JUNCTION TURNING COUNTS

TRA/21/035

SITE: 04

DATE: 13th April 2021

LOCATION: L3612/N25 Junction 4

DAY: Tuesday

TIME	MOVEMENT 1							MOVEMENT 2							MOVEMENT 3						
	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU
13:00	0	0	0	0	0	0	0	12	3	0	2	0	17	20	19	3	4	0	0	26	28
13:15	0	0	1	0	0	1	2	11	5	0	3	0	19	23	25	1	0	0	0	26	26
13:30	0	0	0	0	0	0	0	14	2	1	1	0	18	20	22	5	1	0	0	28	29
13:45	0	0	0	0	0	0	0	10	2	1	3	0	16	20	19	2	0	1	0	22	23
H/TOT	0	0	1	0	0	1	2	47	12	2	9	0	70	83	85	11	5	1	0	102	106
14:00	0	0	0	0	0	0	0	21	2	0	4	0	27	32	24	1	0	1	0	26	27
14:15	0	0	0	0	0	0	0	10	1	0	3	1	15	20	37	4	0	1	0	42	43
14:30	0	0	0	0	0	0	0	16	3	1	2	1	23	27	32	4	0	0	0	36	36
5	0	0	0	0	0	0	0	8	0	1	3	0	12	16	23	1	0	0	0	24	24
H/TOT	0	0	0	0	0	0	0	55	6	2	12	2	77	96	116	10	0	2	0	128	131
15:00	0	0	0	0	0	0	0	12	1	0	3	1	17	22	34	7	0	0	0	41	41
15:15	1	0	0	0	0	1	1	18	0	0	0	0	18	18	23	4	1	1	0	29	31
15:30	0	0	0	0	0	0	0	18	1	2	1	0	22	24	28	1	1	0	1	31	33
15:45	1	0	0	0	0	1	1	25	0	1	2	1	29	33	51	8	0	1	2	62	65
H/TOT	2	0	0	0	0	2	2	73	2	3	6	2	86	97	136	20	2	2	3	163	170
16:00	1	0	0	0	0	1	1	18	5	1	5	0	29	36	46	7	0	0	0	53	53
16:15	0	0	0	0	0	0	0	18	3	0	1	1	23	25	25	3	1	3	0	32	36
16:30	0	0	0	0	0	0	0	11	2	0	2	0	15	18	34	6	1	0	0	41	42
16:45	0	0	0	0	0	0	0	16	3	1	0	0	20	21	31	12	0	1	0	44	45
H/TOT	1	0	0	0	0	1	1	63	13	2	8	1	87	99	136	28	2	4	0	170	176
17:00	0	0	0	0	0	0	0	21	2	0	0	0	23	23	32	5	1	0	0	38	39
17:15	0	0	0	0	0	0	0	18	0	0	1	0	19	20	31	1	0	1	0	33	34
17:30	0	0	0	0	0	0	0	17	1	0	0	0	18	18	27	4	1	0	0	32	33
17:45	0	0	0	0	0	0	0	12	2	0	1	0	15	16	24	3	0	0	0	27	27
H/TOT	0	0	0	0	0	0	0	68	5	0	2	0	75	78	114	13	2	1	0	130	132
18:00	0	0	0	0	0	0	0	21	1	1	1	0	24	26	28	0	1	0	0	29	30
18:15	0	0	0	0	0	0	0	14	1	0	0	0	15	15	17	4	0	0	0	21	21
18:30	0	0	0	0	0	0	0	6	2	1	0	0	9	10	13	1	0	0	0	14	14
18:45	0	0	0	0	0	0	0	13	2	1	0	0	16	17	27	6	1	0	0	34	35
H/TOT	0	0	0	0	0	0	0	54	6	3	1	0	64	67	85	11	2	0	0	98	99
P/TOT	5	1	1	0	0	7	8	559	93	23	89	6	770	903	1423	175	33	17	7	1655	1701

04 NOV 2021
 Cork County Council
 County Hall
 Cork.

TRAFFINOMICS LIMITED

**ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS
MANUAL CLASSIFIED JUNCTION TURNING COUNTS**

**APRIL 2021
TRA/21, 000**

SITE: 04

DATE: 13th April 2021

LOCATION: L3612/N25 Junction 4

DAY: Tuesday

TIME	MOVEMENT 4							MOVEMENT 5							MOVEMENT 6						
	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU
07:00	3	0	0	0	0	3	3	2	0	0	1	0	3	4	0	0	0	0	0	0	0
07:15	3	1	0	3	0	7	11	7	0	0	1	0	8	9	0	0	0	0	0	0	0
07:30	2	0	1	2	0	5	8	7	1	0	4	0	12	17	0	0	0	0	0	0	0
07:45	6	3	0	2	0	11	14	3	0	0	1	0	4	5	0	0	0	0	0	0	0
H/TOT	14	4	1	7	0	26	36	19	1	0	7	0	27	36	0	0	0	0	0	0	0
08:00	10	2	0	2	0	14	17	14	1	0	3	1	19	24	0	0	0	0	0	0	0
08:15	14	1	0	2	0	17	20	10	0	0	2	1	13	17	1	0	0	0	0	1	1
08:30	4	0	0	1	1	6	8	6	0	0	0	0	6	6	0	0	0	0	0	0	0
08:45	2	0	1	3	0	6	10	7	2	0	2	0	11	14	0	0	0	0	0	0	0
H/TOT	30	3	1	8	1	43	55	37	3	0	7	2	49	60	1	0	0	0	0	1	1
09:00	1	1	0	5	0	7	14	7	1	0	1	0	9	10	0	0	0	0	0	0	0
09:15	1	0	0	3	0	4	8	7	0	0	0	0	7	7	0	0	0	0	0	0	0
09:30	0	1	1	3	0	5	9	3	0	0	7	0	10	19	0	0	0	0	0	0	0
09:45	5	1	0	2	0	8	11	8	2	0	3	0	13	17	0	0	0	1	0	1	2
H/TOT	7	3	1	13	0	24	41	25	3	0	11	0	39	53	0	0	0	1	0	1	2
10:00	5	0	1	1	0	7	9	8	2	1	0	0	11	12	0	0	0	0	0	0	0
10:15	2	1	1	4	0	8	14	5	1	0	3	0	9	13	0	0	0	0	0	0	0
10:30	0	1	0	2	0	3	6	2	1	0	2	0	5	8	0	0	0	0	0	0	0
10:45	2	0	0	2	0	4	7	7	0	0	0	0	7	7	0	0	0	0	0	0	0
H/TOT	9	2	2	9	0	22	35	22	4	1	5	0	32	39	0	0	0	0	0	0	0
11:00	1	0	2	2	0	5	9	4	0	0	4	0	8	13	0	0	0	0	0	0	0
11:15	3	2	1	2	0	8	11	8	0	1	3	0	12	16	0	0	0	0	0	0	0
11:30	2	0	0	2	0	4	7	9	1	0	0	0	10	10	0	0	0	0	0	0	0
11:45	5	0	0	2	0	7	10	9	1	0	3	0	13	17	0	0	0	0	0	0	0
H/TOT	11	2	3	8	0	24	36	30	2	1	10	0	43	57	0	0	0	0	0	0	0
12:00	1	1	0	3	0	5	9	7	2	0	4	0	13	18	0	0	0	0	0	0	0
12:15	1	0	1	0	0	2	3	9	2	0	2	0	13	16	0	0	0	0	0	0	0
12:30	2	0	0	2	0	4	7	4	2	0	0	0	6	6	0	0	0	0	0	0	0
12:45	0	1	1	3	0	5	9	7	0	0	1	0	8	9	0	0	0	0	0	0	0
H/TOT	4	2	2	8	0	16	27	27	6	0	7	0	40	49	0	0	0	0	0	0	0

TRAFFINOMICS LIMITED

ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS

APRIL 2021

MANUAL CLASSIFIED JUNCTION TURNING COUNTS

TRA/21/035

SITE: 04

DATE: 13th April 2021

LOCATION: L3612/N25 Junction 4

DAY: Tuesday

TIME	MOVEMENT 4							MOVEMENT 5							MOVEMENT 6						
	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU
13:00	5	0	1	1	0	7	9	5	3	0	5	0	13	20	0	0	0	0	0	0	0
13:15	3	0	0	2	0	5	8	12	1	0	0	0	13	13	0	0	0	0	0	0	0
13:30	5	1	2	1	0	9	11	9	0	1	4	0	14	20	0	0	0	0	0	0	0
13:45	5	0	0	1	0	6	7	8	1	1	1	0	11	13	0	0	0	0	0	0	0
H/TOT	18	1	3	5	0	27	35	34	5	2	10	0	51	65	0	0	0	0	0	0	0
14:00	7	0	0	2	0	9	12	10	2	0	2	0	14	17	0	0	0	0	0	0	0
14:15	1	3	1	1	0	6	8	11	0	0	2	0	13	16	0	0	0	0	0	0	0
14:30	5	0	1	4	0	10	16	11	0	0	1	0	12	13	0	0	0	0	0	0	0
5	5	1	0	2	0	8	11	8	0	0	2	0	10	13	0	0	0	0	0	0	0
H/TOT	18	4	2	9	0	33	46	40	2	0	7	0	49	58	0	0	0	0	0	0	0
15:00	5	0	0	1	0	6	7	6	0	0	1	1	8	10	0	0	0	0	0	0	0
15:15	3	1	0	3	0	7	11	8	0	0	0	0	8	8	1	0	0	0	0	1	1
15:30	2	1	1	4	0	8	14	20	0	0	2	0	22	25	0	0	0	0	0	0	0
15:45	3	1	0	1	0	5	6	11	2	0	0	0	13	13	0	0	0	0	0	0	0
H/TOT	13	3	1	9	0	26	38	45	2	0	3	1	51	56	1	0	0	0	0	1	1
16:00	5	0	0	4	0	9	14	6	1	0	0	0	7	7	0	0	0	0	0	0	0
16:15	3	2	0	2	0	7	10	9	1	0	1	0	11	12	0	0	0	0	0	0	0
16:30	4	4	0	4	0	12	17	8	3	0	2	0	13	16	0	0	0	0	0	0	0
16:45	1	1	0	0	0	2	2	9	4	1	2	0	16	19	0	0	0	0	0	0	0
H/TOT	13	7	0	10	0	30	43	32	9	1	5	0	47	54	0	0	0	0	0	0	0
17:00	3	0	1	1	0	5	7	8	1	0	1	0	10	11	0	0	0	0	0	0	0
17:15	2	0	0	1	0	3	4	10	1	0	0	0	11	11	0	0	0	0	0	0	0
17:30	7	2	0	0	0	9	9	10	2	0	0	0	12	12	0	0	0	0	0	0	0
17:45	2	0	0	1	0	3	4	11	0	1	0	0	12	13	0	0	0	0	0	0	0
H/TOT	14	2	1	3	0	20	24	39	4	1	1	0	45	47	0	0	0	0	0	0	0
18:00	4	0	0	0	0	4	4	9	0	0	0	0	9	9	0	0	0	0	0	0	0
18:15	5	0	0	0	0	5	5	5	1	0	0	0	6	6	0	0	0	0	0	0	0
18:30	1	0	0	0	0	1	1	8	0	0	1	0	9	10	0	0	0	0	0	0	0
18:45	2	0	0	0	0	2	2	8	0	0	0	0	8	8	0	0	0	0	0	0	0
H/TOT	12	0	0	0	0	12	12	30	1	0	1	0	32	33	0	0	0	0	0	0	0
P/TOT	163	33	17	89	1	303	428	380	42	6	74	3	505	607	2	0	0	1	0	3	4



TRAFFINOMICS LIMITED

**ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS
MANUAL CLASSIFIED JUNCTION TURNING COUNTS**

**APRIL 2021
TRA/21, ---**

SITE: 04

DATE: 13th April 2021

LOCATION: L3612/N25 Junction 4

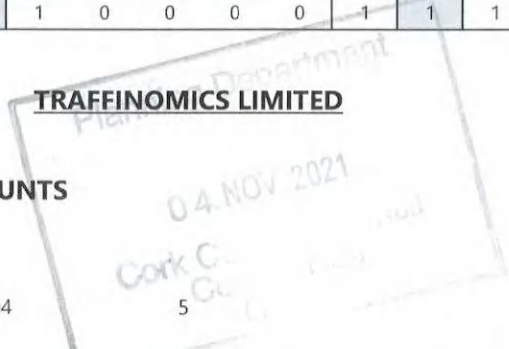
DAY: Tuesday

TIME	MOVEMENT 7							MOVEMENT 8							MOVEMENT 9						
	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU
07:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0
08:15	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0
08:30	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H/TOT	1	0	0	0	0	1	1	2	0	0	0	0	2	2	0	0	0	0	0	0	0
09:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:15	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0
09:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0
10:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
H/TOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
12:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0
12:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
H/TOT	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0	2	2

TRAFFINOMICS LIMITED

ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS

APRIL 2021



MANUAL CLASSIFIED JUNCTION TURNING COUNTS

TRA/21/035

04

DATE:

13th April 2021

LOCATION: L3612/N25 Junction 4

DAY:

Tuesday

TIME	MOVEMENT 7							MOVEMENT 8							MOVEMENT 9							
	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:45	0	0	0	0	0	0	0	0	0	1	0	0	1	2	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0	0	1	0	0	1	2	0	0	0	0	0	0	0	0
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
H/TOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1
15:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:15	0	0	0	0	0	0	0	2	0	0	0	0	2	2	0	0	0	0	0	0	0	0
15:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:45	0	0	0	0	0	0	0	2	0	0	0	0	2	2	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	4	0	0	0	0	4	4	0	0	0	0	0	0	0	0
16:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H/TOT	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H/TOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P/TOT	2	0	0	0	0	2	2	8	0	1	1	0	10	12	2	2	0	0	0	0	4	4

Planning Department
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 Carr County Council
 County Hall
 Cork.

TRAFFINOMICS LIMITED

**ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS
MANUAL CLASSIFIED JUNCTION TURNING COUNTS**

**APRIL 2021
TRA/21/...**

SITE: 04

DATE: 13th April 2021

LOCATION: L3612/N25 Junction 4

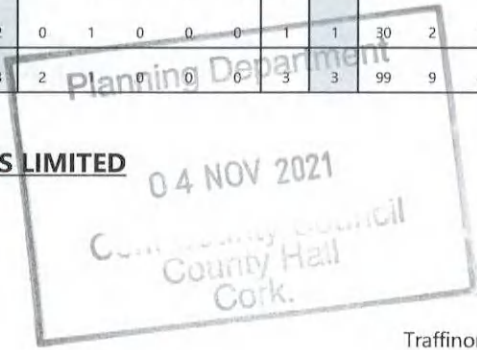
DAY: Tuesday

TIME	MOVEMENT 10							MOVEMENT 11							MOVEMENT 12							MOVEMENT 13						
	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU	CAR	LGV	OGV1	OGV2	BUS	TOT	PCU
07:00	0	0	0	0	0	0	0	2	0	0	0	0	2	2	0	0	0	0	0	0	0	14	1	1	2	1	19	23
07:15	0	0	0	0	0	0	0	1	1	0	0	0	2	2	0	0	0	0	0	0	0	29	9	1	0	0	39	40
07:30	0	0	0	0	0	0	0	3	0	0	3	0	6	10	0	0	0	0	0	0	0	17	6	0	9	1	33	46
07:45	0	0	0	0	0	0	0	2	2	0	2	0	6	9	0	0	0	0	0	0	0	52	6	2	3	2	65	72
H/TOT	0	0	0	0	0	0	0	8	3	0	5	0	16	23	0	0	0	0	0	0	0	112	22	4	14	4	156	180
08:00	0	0	0	0	0	0	0	2	1	2	2	1	8	13	3	0	0	0	0	3	3	96	8	1	4	1	110	
08:15	0	0	0	0	0	0	0	2	0	0	3	0	5	9	1	0	0	0	0	1	1	47	3	0	6	2	58	68
08:30	0	0	0	0	0	0	0	1	0	0	2	0	3	6	2	0	0	0	0	2	2	25	2	1	2	0	30	33
08:45	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	28	3	2	4	0	37	43
H/TOT	0	0	0	0	0	0	0	6	1	2	7	1	17	28	6	0	0	0	0	6	6	196	16	4	16	3	235	261
09:00	1	0	0	0	0	1	1	0	0	0	4	0	4	9	1	0	0	0	0	1	1	34	3	0	6	1	44	53
09:15	0	0	0	0	0	0	0	3	0	0	7	0	10	19	1	0	0	0	0	1	1	23	3	2	2	1	31	36
09:30	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	24	5	2	2	0	33	37
09:45	0	0	0	0	0	0	0	0	0	0	2	0	2	5	3	0	0	0	0	3	3	13	5	4	3	0	25	31
H/TOT	1	0	0	0	0	1	1	4	0	0	13	0	17	34	5	0	0	0	0	5	5	94	16	8	13	2	133	156
10:00	0	0	0	0	0	0	0	0	0	0	3	0	3	7	0	0	0	0	0	0	0	18	4	2	2	0	26	30
10:15	0	0	0	0	0	0	0	1	2	0	0	0	3	3	2	0	0	0	0	2	2	18	3	1	3	1	26	31
10:30	0	0	0	0	0	0	0	2	0	0	1	0	3	4	0	0	0	0	0	0	0	15	1	0	2	0	18	21
10:45	0	0	0	0	0	0	0	0	0	0	4	0	4	9	0	0	0	0	0	0	0	24	2	1	5	1	33	
H/TOT	0	0	0	0	0	0	0	3	2	0	8	0	13	23	2	0	0	0	0	2	2	75	10	4	12	2	103	
11:00	1	0	0	0	0	1	1	1	0	0	2	0	3	6	0	0	0	0	0	0	0	16	4	1	2	0	23	26
11:15	0	0	0	0	0	0	0	2	0	0	4	0	6	11	1	0	0	0	1	2	3	26	1	0	2	1	30	34
11:30	0	0	0	0	0	0	0	3	0	2	1	0	6	8	0	0	0	0	0	0	0	29	3	3	1	0	36	39
11:45	1	0	0	0	0	1	1	0	0	0	3	0	3	7	1	0	0	0	0	1	1	27	2	1	4	0	34	40
H/TOT	2	0	0	0	0	2	2	6	0	2	10	0	18	32	2	0	0	0	1	3	4	98	10	5	9	1	123	138
12:00	0	0	0	0	0	0	0	1	0	0	2	0	3	6	0	0	0	0	0	0	0	14	1	2	4	0	21	27
12:15	0	0	0	0	0	0	0	3	0	0	2	0	5	8	0	0	0	0	0	0	0	22	2	0	2	1	27	31
12:30	0	0	0	0	0	0	0	5	0	0	1	0	6	7	2	0	0	0	0	2	2	33	4	1	4	1	43	50
12:45	0	0	0	0	0	0	0	2	1	0	4	0	7	12	0	1	0	0	0	1	1	30	2	1	3	0	36	40
H/TOT	0	0	0	0	0	0	0	11	1	0	9	0	21	33	2	1	0	0	0	3	3	99	9	4	13	2	127	148

TRAFFINOMICS LIMITED

ROSSMORE, CARRIGTWOHILL TRAFFIC COUNTS

APRIL 2021



MANUAL CLASSIFIED JUNCTION TURNING COUNTS

TRA/21/035

SITE: 04

DATE: 13th April 2021

LOCATION: L3612/N25 Junction 4

DAY: Tuesday

TIME	MOVEMENT 10					TOT	PCU	MOVEMENT 11					TOT	PCU	MOVEMENT 12					TOT	PCU	MOVEMENT 13					TOT	PCU
	CAR	LGV	OGV1	OGV2	BUS			CAR	LGV	OGV1	OGV2	BUS			CAR	LGV	OGV1	OGV2	BUS			CAR	LGV	OGV1	OGV2	BUS		
13:00	0	0	0	0	0	0	0	1	0	0	2	0	3	6	1	0	0	0	0	1	1	28	7	1	2	1	39	43
13:15	0	0	0	0	0	0	0	1	0	0	1	0	2	3	0	0	0	0	0	0	0	31	6	1	2	0	40	43
13:30	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0	32	4	0	1	1	38	40
13:45	0	0	0	0	0	0	0	0	2	0	1	0	3	4	1	0	0	0	0	1	1	27	2	0	2	1	32	36
H/TOT	0	0	0	0	0	0	0	2	2	0	5	0	9	16	2	0	0	0	0	2	2	118	19	2	7	3	149	162
14:00	0	0	0	0	0	0	0	2	0	0	2	0	4	7	0	1	0	0	0	1	1	32	3	0	3	1	39	44
14:15	0	0	0	0	0	0	0	1	0	0	1	0	2	3	0	0	0	0	0	0	0	24	1	3	5	1	34	43
14:30	0	1	0	0	0	1	1	2	0	0	4	0	6	11	0	0	0	0	0	0	0	27	9	1	1	1	39	42
5	0	0	0	0	0	0	0	0	1	0	3	0	4	8	0	0	0	0	0	0	0	28	5	0	2	0	35	38
H/TOT	0	1	0	0	0	1	1	5	1	0	10	0	16	29	0	1	0	0	0	1	1	111	18	4	11	3	147	166
15:00	0	0	0	0	0	0	0	1	0	0	2	0	3	6	0	0	0	0	0	0	0	28	4	1	2	0	35	38
15:15	0	0	0	0	0	0	0	2	0	0	4	0	6	11	3	0	0	0	0	3	3	40	3	1	4	1	49	56
15:30	0	0	0	0	0	0	0	1	1	0	1	0	3	4	0	0	0	0	0	0	0	53	3	1	5	0	62	69
15:45	1	0	0	0	0	1	1	3	0	0	0	0	3	3	5	0	0	0	0	5	5	43	3	1	2	1	50	54
H/TOT	1	0	0	0	0	1	1	7	1	0	7	0	15	24	8	0	0	0	0	8	8	164	13	4	13	2	196	217
16:00	0	0	0	0	0	0	0	1	0	0	3	0	4	8	0	0	0	0	0	0	0	40	2	0	2	5	49	57
16:15	0	0	0	0	0	0	0	0	1	0	1	0	2	3	0	0	0	0	0	0	0	50	10	3	0	0	63	65
16:30	0	0	0	0	0	0	0	1	0	0	3	0	4	8	0	0	0	0	0	0	0	46	2	2	0	0	50	51
16:45	0	0	0	0	0	0	0	0	1	0	1	0	2	3	0	0	0	0	1	1	2	30	7	1	1	1	40	43
H/TOT	0	0	0	0	0	0	0	2	2	0	8	0	12	22	0	0	0	0	1	1	2	166	21	6	3	6	202	215
17:00	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	40	8	3	4	2	57	66
17:15	0	0	0	0	0	0	0	1	0	1	1	0	3	5	0	0	0	0	0	0	0	21	3	1	0	1	26	28
17:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	5	0	1	1	38	40
17:45	0	0	0	0	0	0	0	4	0	0	0	0	4	4	0	0	0	0	0	0	0	35	3	0	1	2	41	44
H/TOT	0	0	0	0	0	0	0	5	1	1	1	0	8	10	0	0	0	0	0	0	0	127	19	4	6	6	162	178
18:00	0	0	0	0	0	0	0	2	0	0	0	0	2	2	0	0	0	0	0	0	0	25	5	2	0	0	32	33
18:15	0	0	0	0	0	0	0	2	0	0	0	0	2	2	0	0	1	0	0	1	2	39	2	1	2	0	44	47
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	3	1	0	0	31	32
18:45	0	0	0	0	0	0	0	2	0	0	0	0	2	2	0	0	0	0	0	0	0	23	4	0	0	0	27	27
H/TOT	0	0	0	0	0	0	0	6	0	0	0	0	6	6	0	0	1	0	0	1	2	114	14	4	2	0	134	139
P/TOT	4	1	0	0	0	5	5	65	14	5	83	1	168	279	27	2	1	0	2	32	35	1474	187	53	119	34	1867	2082

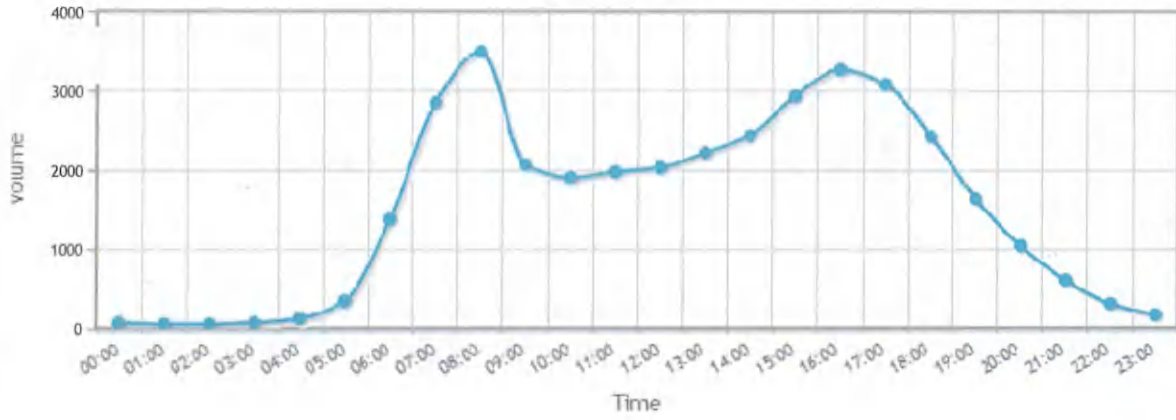




June 2, 2021 16:30:21

Daily Volume Report NRA 000000020256 2021-04-13

Daily Volume



Site Name: TMU N25 010.0 E Site ID: 000000020256 Grid: 181299072673 Description: N25 Carrigtohill Bypass, Carrigtohill, Co. Cork

All Lanes Time Period: 1 hour Class: Any Exclude data: None

Average Daily Flow

00:00	80
01:00	68
02:00	68
03:00	85
04:00	137
05:00	360
06:00	1391
07:00	2867
08:00	3511
09:00	2084
10:00	1925
11:00	1996
12:00	2050
13:00	2237
14:00	2457
15:00	2953
16:00	3284
17:00	3095
18:00	2444
19:00	1651
20:00	1053
21:00	623
22:00	320
23:00	180
07-19	30903
06-22	35621
06-24	36121
00-24	36919
am Peak	08:00
Peak Volume	3511
Peak Factor	0.834
pm Peak	16:00
Peak Volume	3284
Peak Factor	0.949

Event key: ■ QC failure ■ Atypical (QC) ■ Events ■ Special ■ Holiday ■ Offline
■ Weekends and defined holidays

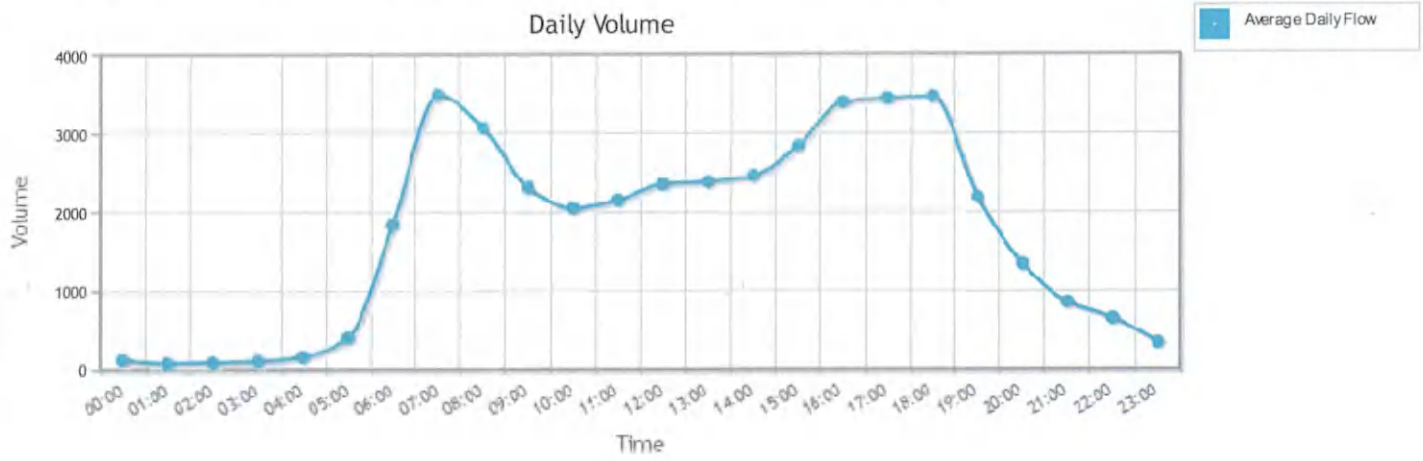
Notes on data:
 Averages are calculated as the simple average of values across the period.

Holidays & Events:
 None

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Daily Volume Report NRA 000000020256 2019-04-16

Daily Volume



Site Name: TMU N25 010.0 E Site ID: 000000020256 Grid: 181299072673 Description: N25 Carrigtohill Bypass, Carrigtohill, Co. Cork

All Lanes Time Period: 1 hour Class: Any Exclude data: None

Average Daily Flow

00:00	132
01:00	90
02:00	101
03:00	115
04:00	170
05:00	411
06:00	1856
07:00	3506
08:00	3082
09:00	2325
10:00	2061
11:00	2164
12:00	2368
13:00	2396
14:00	2470
15:00	2844
16:00	3408
17:00	3455
18:00	3480
19:00	2199
20:00	1346
21:00	863
22:00	661
23:00	353
07-19	33559
06-22	39823
06-24	40837
00-24	41856
am Peak	07:00
Peak Volume	3506
Peak Factor	0.953
pm Peak	18:00
Peak Volume	3480
Peak Factor	0.893

Event key: ■ QC failure ■ Atypical (QC) ■ Events ■ Special ■ Holiday ■ Offline
■ Weekends and defined holidays

Notes on data:
 Averages are calculated as the simple average of values across the period.

Holidays & Events:
 None



Appendix 14C – JUNCTIONS 9 Outputs (Included on CD Digital Copy)





15. Interactions Summary

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Planning Department

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County Hall
Cork.

SLR

INTRODUCTION

- 15.1 This chapter of the Environmental Impact Assessment Report (EIAR), prepared by SLR Consulting Ireland, provides supporting information to accompany a Planning Application to Cork County Council by Lagan Materials Ltd. It addresses the potential interaction of environmental impacts arising from the deepening of the existing permitted quarry.
- 15.2 All of the predictable significant impacts of the proposed development and the existing and proposed measures in place to mitigate them have been outlined in this EIAR.
- 15.3 However, for any development with the potential for significant environmental impact there is also the potential for interaction amongst these impacts. The result of these interactions may either exacerbate the magnitude of the impact or ameliorate it. The interaction of impacts on the surrounding environment needs to be addressed as part of the Environmental Impact Assessment process.
- 15.4 This Environmental Impact Assessment Report was prepared by SLR Consulting on behalf of Lagan as an integrated document, rather than a collection of separate reports. The impacts that arise as a result of the interaction between several aspects of the development have, therefore been addressed in the main body of each EIAR chapter.

The Interaction of the Foregoing

- 15.5 The interaction between the various environmental topics has been covered within each of the EIAR chapters, 4 through to 14, where relevant.
- 15.6 A matrix method has been used¹, in which the environmental components addressed in the previous sections of this EIAR have been placed on both axes of a matrix; these interactions are summarised in **Table 15-1** below.
- 15.7 The purpose of the effects matrix is to identify potential interactions. Actual interactions and their significance are dealt with in the relevant chapter of the EIAR. An overview of the key interactions is provided below in this chapter.



¹ As per the EPA EIAR draft guidelines (May 2017)

**Table 15-1
Potential Impact Interaction and Key Interrelationships Matrix**

	Population & Human Health	Biodiversity	Land, Soils & Geology	Water	Climate	Air Quality	Noise & Vibration	Material Assets	Cultural Heritage	Landscape and Visual	Traffic
Population & Human Health											
Biodiversity											
Land, Soils & Geology											
Water											
Climate											
Air Quality											
Noise & Vibration											
Material Assets											
Cultural Heritage											
Landscape and Visual											
Traffic											

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OVERVIEW OF KEY INTERACTIONS

Population and Human Health

- 15.8 In relation to the key interactions of human receptors with air quality, noise & vibration, landscape and traffic, these are addressed in Chapter 8 (Air Quality), Chapter 10 (Noise & Vibration), Chapter 13 (Landscape) and Chapter 14 (Traffic), as outlined above.

Biodiversity

- 15.9 In relation to biodiversity there is potential for interaction with air quality and noise & vibration, and these interactions are addressed in Chapter 8 (Air Quality) and Chapter 10 (Noise & Vibration).
- 15.10 Following review of the existing dust deposition, noise & vibration results and detailed assessments it is concluded that deepening of the existing quarry (with the range of mitigation measures implemented) will have a negligible to insignificant dust, noise and vibration impact on ecological receptors.

Land, Soils and Geology

- 15.11 The interaction between Land, Soils & Geology and Water is addressed in Chapter 7 (Water), see below.

Water

- 15.12 In relation to water there is potential for interaction with land, soils & geology and climate, and these are addressed in Chapter 6 (Land, Soil & Geology) and Chapter 7 (Water) of the EIAR.
- 15.13 The water management at the site considers climate (weather conditions). There are existing mitigation and management measures in place to prevent spills and manage the water environment. Continued implementation of these measures will ensure that there will be no significant effects owing to the interaction of land, soils and geology and the water environment.

Climate

- 15.14 The interaction of climate (weather conditions) with the water environment is addressed in Chapter 7 (Water), in terms of surface water, groundwater and water management at the site.

Air Quality

- 15.15 In relation to air quality (in particular dust deposition) there is potential for interaction with human and ecological receptors, and this is addressed in Chapter 8 (Air Quality).
- 15.16 Following review of the existing dust deposition results and a detailed dust assessment it is concluded that deepening of the existing quarry (with the range of existing management / mitigation measures implemented) will have an insignificant dust impact on ecological receptors and an insignificant to acceptable dust impact on human receptors.

Noise & Vibration

- 15.17 In relation to noise and vibration there is potential for interaction with human and ecological receptors, and this is addressed in Chapter 10 (Noise & Vibration).
- 15.18 Following review of the existing noise & blasting results and detailed assessment it is concluded that deepening of the existing quarry (with the range of existing management / mitigation

measures implemented) will have a negligible to insignificant impact on human or ecological receptors.

Material Assets

15.19 It is considered that there is no potential for any significant interaction between material assets (waste management and built services) and the other environmental topics.

Cultural Heritage

15.20 It is considered that there is no potential for any significant interaction between cultural heritage and the other environmental topics.

Landscape & Visual

15.1 The development has the potential to impact on population (human) amenity through changes to the landscape and views / prospects. The detailed landscape & visual assessment provided in Chapter 13 (Landscape) concludes that the visual effects on views ranges from none for the vast majority of locations within the study area, to minor/negligible or negligible for a small number of locations within 2-3km south west of the application area (i.e. impacts not regarded as significant).

Traffic

15.2 Chapter 8 (Air Quality) provides details of the existing management / mitigation measures that are in place at the quarry to prevent / minimise generation of traffic-related dust on the internal access roads and at the quarry entrance.

REFERENCES

Environmental Protection Agency (May 2017) Guidelines on the Information to be Contained in Environmental Impact Assessment Reports (Draft)





Appendices