



Trip Generation Report for the
Proposed Health Care Development,
Victoria - Gozo

As per ERA requirements for PA 08292/21


Report



TRIP GENERATION REPORT
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TABLE OF CONTENTS

1 Introduction..... 3
 1.1 Site Location..... 3
 2 Site Access 5
 2.1 Road Network 5
 2.2 Description of the Proposed Land Use 5
 3 Trip Generation 7
 3.1 Existing Traffic Generation..... 7
 3.2 Future Traffic Generation..... 7
 4 Network Traffic..... 8
 4.1 Traffic Counts..... 8
 5 Conclusion 10
 Appendix 1..... 11

LIST OF FIGURES

Figure 1: Site location in Victoria, Gozo..... 3

LIST OF TABLES

Table 1: Proposed land use 5
 Table 2: Estimated traffic generation for the 50 bed proposed development 7
 Table 3: Network traffic peak hour flows..... 8
 Table 4: Estimated vehicular traffic movement at peak hours after the completion of the proposed development..... 8

1 INTRODUCTION

This Traffic Statement has been prepared in relation to the proposed health care development in Victoria, Gozo. The proposal is outlined in PA application PA/08292/21 “*Proposed change of use from a social club (KU Club), to a Class 2A residential institution. Redesign of the ground and first floor area with a new extension to house the storage of statues related t the village feast. Proposed development and extensions at the 1st and 2nd floor level, within the present double height volume. Extension of a new floor over the existing building.*”

1.1 SITE LOCATION

The Site is situated near ic-Cittadella in Victoria (Rabat), Gozo, one of the island's most historically significant cities. As the central transportation hub of Gozo, Victoria connects various villages and is the most densely populated council, housing around 7,000 residents. This locality features a mix of residential, commercial, and historical areas.



FIGURE 1: SITE LOCATION IN VICTORIA, GOZO

The proposed development covers an area of approximately 1,600 m² and is specifically intended to establish another care home offering specialized services. This state-of-the-art facility will provide a variety of essential services, including residential placements, respite care, and structured day programs, accommodating up to 50 persons at any given time.

The vision for this care home is to create a therapeutically enriching environment that fosters healing and promotes well-being. The design will prioritize a warm and inviting atmosphere, integrating both functional and psychological elements to ensure that clients feel secure and supported throughout their recovery journey.

Thoughtful architectural choices, natural lighting, and serene outdoor spaces will be pivotal in crafting a space that encourages tranquillity and comfort.

Beyond meeting the needs of vulnerable individuals, this initiative aspires to enrich the local community by transforming a historically significant site into a valuable social service resource. This repurposing effort not only honours the site's heritage but also contributes to the social fabric of the area, fostering inclusivity and supporting the well-being of its residents. By creating a supportive environment, the facility aims to empower individuals, helping them to regain independence and enhance their quality of life.

2 SITE ACCESS

2.1 ROAD NETWORK

The aerial photo presented in Figure 1 shows the location of the site in the context of the locality's road network. Access to the proposed development is going to be through Triq Mro. Giuseppe Giardini Vella as indicated on plans. In view of the existing two-way system in the area vehicular movements will be accessing the site as they are currently doing today.

Triq il-Kapuccini and Triq ta' Wara s-Sur are local access roads providing access to the site area. Traffic flows in the area are moderate in view of the low-density housing that is present within this area of Victoria. It is to be noted that Triq Mro Giuseppe Giardini Vella is a dead-end road providing access to this proposed development only. The road width of this access road is 11 meters wide which is adequate enough for passenger cars and light goods vehicles to flow through it.

2.2 DESCRIPTION OF THE PROPOSED LAND USE

The site is intended to be converted into a respite centre for the elderly. It will be providing a residential space for 50 people. Table 1 outlines the existing, the approved and the proposed land uses of the site area.

TABLE 1: PROPOSED LAND USE

LEVEL	FACILITY	AREA (M ²)
3	Green roofs	118.7
	Balcony	6.2
	Planters	144.3
	Terraces	152.5
	6 Bedrooms	132.9
	Shower/bath rooms	25.6
2	Planter	40.0
	Terrace/balconies	81.7
	10 Bedrooms	321.9
	Nurse station	7.0
	Living/dining/activity area	155.1

LEVEL	FACILITY	AREA (M ²)
	Shower/bath rooms	56.3
	Store room	187.0
1	Balconies	183.3
	9 Bedrooms	289.1
	Nurse station	7.2
	Living/dining/activity area	1218.4
	Shower/bath rooms	50.8
0	Store room	325.1
	Outdoor area	261.3
	Internal yard	19.8
	Living/activity area	128.0
	Waiting area	45.5
	Staff room	23.6
	Laundry	44.0
	Kitchen	86.3
Toilets	28.7	
	TOTAL	3050.3

It is thus foreseen that once the project is completed an increase in the vehicular trip generation will be present in the area.

3 TRIP GENERATION

3.1 EXISTING TRAFFIC GENERATION

The site is currently occupied by a vacant building that was used as a discotheque in the past. At present there is no vehicular trip generation arising from it.

3.2 FUTURE TRAFFIC GENERATION

The vehicular traffic generation rates are based on the proposed land use and the size of the development for this particular site. Table 2 outlines the estimated vehicular trip generation for the proposed development during the peak hours (highlighted in yellow) of the day.

TABLE 2: ESTIMATED TRAFFIC GENERATION FOR THE 50 BED PROPOSED DEVELOPMENT

SURVEY HOURS	ARRIVALS	DEPARTURES	TOTAL
07:00 - 08:00	9	4	13
08:00 - 09:00	5	3	8
09:00 - 10:00	1	1	3
10:00 - 11:00	2	1	4
11:00 - 12:00	2	3	5
12:00 - 13:00	4	3	7
13:00 - 14:00	4	3	6
14:00 - 15:00	3	6	9
15:00 - 16:00	3	3	6
16:00 - 17:00	3	3	6
17:00 - 18:00	4	6	10
18:00 - 19:00	1	3	4
19:00 - 20:00	4	4	8
20:00 - 21:00	1	4	5
TOTAL	47	46	93

4 NETWORK TRAFFIC

4.1 TRAFFIC COUNTS

Vehicular traffic counts were conducted on Wednesday 4th, Saturday 7th and Sunday 8th December 2024. Traffic counts data were recorded in 15-minute intervals and the data is presented in Appendix A.

The traffic counts survey has revealed that Triq il-Kapuccini is an important link road in the locality since it connects the major town of the northern parts of the island. The other sections of the road network support low traffic flows.

A summary table of the network traffic flows with highlighted peak hours of the day is presented in Table 3.

TABLE 3: NETWORK TRAFFIC PEAK HOUR FLOWS

	PEAK HOURS	TRIQ IL-KAPUCCINI	TRIQ LUIGI CAMILLERI	TRIQ MRO GUISEPPE GIARDINI VELLA	TRIQ TA'WARA S-SUR
Weekday	AM peak	342	0	5	38
	PM peak	337	2	1	39
Weekend	AM peak	381	13	1	30
	PM peak	258	11	5	19

It is expected that the vehicular trip attraction after the completion of the development will increase slightly in the area. Thus, there will be an increase of the vehicular trips over the existing network traffic. Table 4 gives an estimate of the maximum weekday and weekend day trip attraction volume to the site access from all the surveyed streets according to the time period and mode of travel taking into consideration the worst-case scenario.

TABLE 4: ESTIMATED VEHICULAR TRAFFIC MOVEMENT AT PEAK HOURS AFTER THE COMPLETION OF THE PROPOSED DEVELOPMENT

STREET	PEAK HOUR	DEVELOPMENT TRAFFIC	NETWORK TRAFFIC	NETWORK + DEVELOPMENT	% INCREASE
Triq il-Kapuccini	Weekday AM	13	342	355	4
	Weekday PM	10	337	347	3
	Weekend AM	13	381	394	3

STREET	PEAK HOUR	DEVELOPMENT TRAFFIC	NETWORK TRAFFIC	NETWORK + DEVELOPMENT	% INCREASE
Triq Luigi Camilleri	Weekday AM	0	0	0	0
	Weekday PM	0	2	2	0
	Weekend AM	0	13	13	0
Triq ta' Wara s-Sur	Weekday AM	13	38	51	25
	Weekday PM	10	39	49	20
	Weekend AM	13	30	43	30
Triq Mro Guiseppe Giardini Vella	Weekday AM	13	5	18	72
	Weekday PM	10	1	11	91
	Weekend AM	13	1	14	93

It is foreseen that the additional traffic increase in the area due to the development will be marginal since most of the trips which will be attracted to the site are quite low. Due to this, the percentage increase in Triq ta Wara S-Sur and also Triq Mro Guiseppe Giardini Vella is to be interpreted with caution since the network traffic is also low in this area.

It should be noted that the majority of the vehicles will be passenger vehicles which will be arriving at the premises during the business operational hours of the day. The vehicle trip frequencies will be distributed along this time period as outlined in Table 2.

5 CONCLUSION

The proposed care home represents a significant opportunity to enhance the social fabric of Victoria, Gozo, while serving the well-being of its residents. By transforming the site into a therapeutic care facility, the initiative will not only provide essential services but also empower individuals to regain independence and improve their quality of life. The development, while likely to increase local traffic slightly, is anticipated to integrate smoothly into the existing road network, ensuring minimal disruption to the current flow.

Access to the site will primarily be via Triq Mro. Guiseppe Giardini Vella, a dead-end road adequately designed for passenger and light goods vehicles. The surrounding road network includes Triq il-Kapuccini and Triq ta' Wara s-Sur, both serving as local access routes. Currently, traffic in the area is moderate due to low-density housing, but the proposed development is expected to generate additional vehicular trips during peak hours.

At present, the site is vacant, having previously housed a discotheque, resulting in no active traffic generation. However, future estimates suggest a slight increase in vehicular trips to the care home, particularly during the peak hours of the day. Traffic counts conducted in December 2024 highlighted Triq il-Kapuccini as a vital link road in the locality, and while the anticipated increase in traffic is expected to be marginal.

APPENDIX I

TRAFFIC COUNT DATA

Table A Traffic Counts - Victoria Gozo - 4/12/24

Time	Triq Kapuccini		Triq Luigi Camilleri	Development Access	Triq Ta' Wara S-Sur	
	Direction to Marsalforn	Direction to Victoria	Direction to Sports Complex	Direction to Triq ta Wara S-Sur	Direction to Triq Kapuccini	Direction to Triq id-Dawwara
06:00	5	11	1	0	2	1
06:15	8	21	2	0	5	5
06:30	7	18	0	1	4	4
06:45	20	22	1	0	6	3
07:00	16	40	2	0	4	7
07:15	17	40	0	1	3	5
07:30	20	41	2	0	7	4
07:45	38	64	0	0	8	3
08:00	46	43	0	2	4	2
08:15	42	37	0	0	7	3
08:30	35	39	0	0	6	8
08:45	28	51	0	1	8	7
09:00	35	51	0	2	2	5
09:15	30	57	0	2	7	4
09:30	38	52	0	0	2	3
09:45	34	71	0	0	9	2
10:00	39	67	0	2	2	1
10:15	41	52	0	1	1	8
10:30	43	55	1	1	6	4
10:45	43	43	0	2	5	3
Total	585	875	9	15	98	82
15:00	24	55	0	0	0	3
15:15	20	57	0	1	2	4
15:30	22	39	0	0	1	2
15:45	30	36	2	1	6	6
16:00	31	56	0	0	8	2
16:15	31	35	1	1	7	1
16:30	35	46	1	0	3	3
16:45	41	50	0	0	9	4
17:00	37	51	0	0	3	7
17:15	27	47	2	1	2	5
17:30	28	56	0	0	6	3
17:45	34	54	0	1	4	2
18:00	20	50	0	0	5	8
18:15	25	54	2	1	6	3
18:30	31	56	0	0	8	4
18:45	30	39	1	2	3	2
19:00	36	50	1	0	5	7
19:15	21	28	0	0	4	6
19:30	15	24	1	1	6	5
19:45	22	30	0	0	3	4
Total	560	913	11	9	91	81

Table B Traffic Counts - Victoria Gozo - 7/12/24

Time	Triq Kapuccini		Triq Luigi Camilleri	Development Access	Triq Ta' Wara S-Sur	
	Direction to Marsalforn	Direction to Victoria	Direction to Sports Complex	Direction to Triq ta Wara S-Sur	Direction to Triq Kapuccini	Direction to Triq id-Dawwara
06:00	5	9	0	0	0	2
06:15	10	15	2	1	1	4
06:30	9	16	2	1	2	3
06:45	20	28	3	3	4	5
07:00	19	36	2	1	0	6
07:15	10	28	1	1	2	4
07:30	10	26	0	1	1	3
07:45	16	31	2	0	4	2
08:00	13	29	2	2	3	0
08:15	27	32	2	3	0	1
08:30	26	30	3	0	1	2
08:45	27	24	7	1	2	4
09:00	40	44	4	0	3	3
09:15	32	63	1	0	0	2
09:30	28	60	1	0	3	5
09:45	48	36	5	1	4	4
10:00	32	68	3	0	2	3
10:15	39	70	4	0	7	2
10:30	33	50	3	0	2	1
10:45	26	50	7	2	5	6
Total	470	745	54	17	46	62
15:00	22	35	3	5	2	4
15:15	21	58	2	4	1	3
15:30	22	34	2	0	3	2
15:45	22	38	1	3	6	7
16:00	33	40	3	3	4	6
16:15	23	38	2	4	3	5
16:30	19	29	4	5	2	4
16:45	27	23	6	2	1	3
17:00	24	34	3	0	6	1
17:15	23	28	4	7	5	0
17:30	32	37	2	11	4	3
17:45	20	39	2	2	3	1
18:00	24	39	1	1	2	2
18:15	19	41	3	0	0	3
18:30	37	39	5	2	1	7
18:45	22	30	4	4	2	2
19:00	32	38	1	6	4	3
19:15	25	26	6	5	3	5
19:30	16	40	4	1	1	6
19:45	26	27	4	4	7	2
Total	489	713	62	69	60	69

Table C Traffic Counts - Victoria Gozo - 8/12/24							
Time	Triq Kapuccini		Triq Luigi Camilleri	Development Access	Triq Ta' Wara S-Sur		
	Direction to Marsalforn	Direction to Victoria	Direction to Sports Complex	Direction to Triq ta Wara S-Sur	Direction to Triq Kapuccini	Direction to Triq id-Dawwara	
06:00	5	4	0	0	0	1	
06:15	2	4	0	3	2	0	
06:30	3	12	0	0	1	0	
06:45	6	18	0	2	1	2	
07:00	8	19	0	0	0	3	
07:15	6	8	0	0	0	2	
07:30	6	11	0	0	1	0	
07:45	11	14	1	7	3	1	
08:00	7	11	1	9	2	2	
08:15	12	23	4	0	0	5	
08:30	11	25	1	0	0	4	
08:45	11	19	0	4	1	0	
09:00	15	22	1	2	2	2	
09:15	26	29	2	0	3	1	
09:30	17	20	2	2	4	3	
09:45	15	18	2	1	0	0	
10:00	20	35	1	4	2	2	
10:15	13	33	2	2	3	1	
10:30	17	40	1	2	2	3	
10:45	30	40	1	1	2	4	
Total	241	405	19	39	29	36	
15:00	14	24	1	5	1	2	
15:15	11	35	0	1	0	6	
15:30	9	18	1	0	1	5	
15:45	13	24	1	0	3	4	
16:00	14	25	1	0	6	1	
16:15	6	27	2	0	5	0	
16:30	14	28	2	1	0	3	
16:45	13	23	0	1	3	2	
17:00	12	26	2	0	2	7	
17:15	20	30	2	1	1	6	
17:30	7	28	2	1	0	4	
17:45	19	35	1	0	2	5	
18:00	24	38	0	0	1	1	
18:15	15	47	1	0	0	0	
18:30	24	46	0	0	2	2	
18:45	26	28	3	0	8	1	
19:00	19	51	2	0	0	0	
19:15	15	47	1	0	2	1	
19:30	25	52	2	0	0	3	
19:45	19	37	1	0	2	1	
Total	319	669	25	10	39	54	