

2021 Sunflower Traffic Management Plan

Traffic Survey

Location: Sunflowers Creche, Ballyowen Lane, Lucan

Date: 10 June 2021

Duration: 07:20 – 18:45

Weather Conditions: Cloudy with occasional sunshine

General Notes:

Hours of Business: 07:30 – 18:30 (Monday – Friday)

Sunflowers provides three different types of childcare to Lucan families:

1. Fulltime care from 07:30 – 18:30 for up to 25 children. Unlike a school there is no specific starting or finishing time - most children arrive between 07:30 and 09:15 and leave between 16:30 and 18:30.
2. ECCE sessional care for up to 33 children consisting of 16 children from 09:15 to 12:15 and 17 children from 09:30 -12:30
3. Afterschool Care – We collect up to 35 children from 7 local schools and they attend Sunflowers from their time of collection (1:10pm – 3:00pm) until being collected by their parents between 16:30 and 18:30. It should also be noted that the majority of these children are siblings of children in fulltime care (1 above) and are collected at the same time that their siblings are collected.

These children arrive at Sunflowers in one of our two 9-seater minibuses, or are walked from school to Sunflowers by members of staff.

An analysis of the service users addresses at Sunflowers has provided the following results:

- Hermitage Estate - 5 minutes' walk from Sunflowers - 5 families - 8 Children
- Ballyowen Estate – 7 minutes' walk from Sunflowers – 4 Families – 7 Children
- Liffey Valley Estate - 10 minutes' walk from Sunflowers - 17 families – 19 Children
- Mount Andrew Estate- 5 minutes' walk from Sunflowers - 9 families – 13 Children
- Larkfield Estate- 8 minutes' walk from Sunflowers - 7 families – 14 Children
- Willsbrook Estate- 13 minutes' walk from Sunflowers - 3 families – 6 Children
- St Andrew's Fairway Estate – 10 minutes' walk from Sunflowers - 3 families – 5 Children
- Lana Na Pairce Apts - 4 minutes' walk from Sunflowers - 3 families – 3 Children
- St Edmunds Estate - 9 minutes' walk from Sunflowers - 7 families – 12 Children

Over 80% of our families live less than 15 minutes' walk from Sunflowers.

Over 70% of our families live either a ten-minute walk or less from Sunflowers.

Staff: Sunflowers employs 10 fulltime and 7 part time members of staff. There are never more than 10 present at any stage. The majority of our staff live locally and either walk or take the bus to work.

Pedestrian access is by way of a footpath outside the premises which was constructed by South Dublin Co. Co. in 2008/9

We currently have spaces for 10 cars to park at the crèche whilst being able to turn and exit in a forward manner.

Approximately 70% of children are dropped off and collected, without use of a vehicle. This figure of 70% is increasing year on year and given the increasing trend of parents working from home we would expect this figure to be at 80% to 90% within two years.

We have fourteen families with two children and three families with three children who attend Sunflowers. This number of families with more than one sibling at Sunflowers would have remained fairly consistent since 2003.

Our close proximity to the N4 and the Bus transport links to the city centre also ensures that, prior to the Covid 19 Pandemic, a large number of parents walked with their children to crèche before getting a bus to work in the city. We have also noticed an increase of the use of both scooters (non-electric) and bicycles by parents and children - We provide a dry storage area for prams, bicycles and scooters.

Daily Car Park Usage	07:30 –09:00	8 cars (five minutes turnaround)
	09:00 – 09:20 (ECCE 1)	4 cars (five minutes turnaround)
	09:20 – 09:35 (ECCE2)	3 cars (five minutes turnaround)
	12:00 – 12:20 (ECCE 1)	4 cars (five minutes turnaround)
	12:20 – 12:35 (ECCE2)	3 cars (five minutes turnaround)
	16:00 – 18:30	8 cars (five-ten minutes turnaround)

Please view Excel Spreadsheet for detailed analysis.

Sunflower Traffic Survey

Car #	Make	Queue	Y/h	occupanc	07:30		07:35		07:40		07:45		07:50		07:55		08:00		08:05		08:10		08:15	
					Arrives	Leaves	Arrives	Leaves	Arrives	Leaves	Arrives	Leaves	Arrives	Leaves	Arrives	Leaves	Arrives	Leaves	Arrives	Leaves	Arrives	Leaves	Arrives	Leaves
Car 1	Saab Estate	N		2																				
Car 2	Nissan Qashqai	N		3																				
Car 3	Ford Focus	N		2																				
Car 4	Volvo XC90	N		3																				
Car 5	Nissan Qashqai	N		2																				
Car 6	Hyundai Tucson	N		2																				
Car 7	Ford Galaxy	N		3																				
Car 8	BMW 3 Series	N		3																				
Car 9	Volvo Estate	N		2																				
Car 10	Nissan Micra	N		2																				
Car 11	Honda Civic	N		2																				
Car 12	Skoda Kodiak	N		2																				
Car 13	Nissan Leaf	N		2																				
Car 14	Ford Fiesta	N		2																				
Car 15	Citroen C4	N		2																				
Car 16	Nissan Micra	N		2																				
Car 17	Nissan Micra	N		2																				
Car 18	Skoda Kodiak	N		2																				
Car 19	Mitsubishi Outlander	N		2																				
Car 20	Kia Carens	N		2																				
Car 21	Citroen C4	N		2																				
Car 22	BMW 5 Series	N		2																				
Car 23	BMW 3 Series	N		3																				
Car 24	Volvo XC90	N		3																				
Car 25	Ford Galaxy	N		3																				
Car 26	Volvo XC90	N		3																				
Car 27	Nissan Qashqai	N		2																				
Car 28	Saab Estate	N		2																				
Car 29	Volkswagon Golf	N		3																				
Car 30	BMW 3 Series	N		3																				

Total Cars In Car Park

2 3 3 2 2 1 2 1 0 1

Sunflower Traffic Survey

Car	Make	08:20	08:25	08:30	08:35	08:40	08:45	08:50	08:55	09:00	09:05	09:10	09:15
Car 1	Saab Estate												
Car 2	Nissan Qashqai												
Car 3	Ford Focus												
Car 4	Volvo XC90												
Car 5	Nissan Qashqai		Arrives	Leaves									
Car 6	Hyundai Tucson		Arrives	Parked	Leaves								
Car 7	Ford Galaxy			Arrives	Leaves								
Car 8	BMW 3 Series						Arrives	Leaves					
Car 9	Volvo Estate												
Car 10	Nissan Micra									Arrive	Parked	Leaves	
Car 11	Honda Civic										Arrive	Leaves	
Car 12	Skoda Kodiak										Arrive	Leaves	
Car 13	Nissan Leaf											Arrives	
Car 14	Ford Fiesta												
Car 15	Citroen C4												
Car 16	Nissan Micra												
Car 17	Nissan Micra												
Car 18	Skoda Kodiak												
Car 19	Mitsubishi Outlander												
Car 20	Kia Carens												
Car 21	Citroen C4												
Car 22	BMW 5 Series												
Car 23	BMW 3 Series												
Car 24	Volvo XC90												
Car 25	Ford Galaxy												
Car 26	Volvo XC90												
Car 27	Nissan Qashqai												
Car 28	Saab Estate												
Car 29	Volkswagon Golf												
Car 30	BMW 3 Series												
Total Cars In Car Park		1	0	1	1	1	0	0	0	0	1	2	3

Sunflower Traffic Survey

Car	Make	09:20	09:25	09:30	09:35	09:40	09:45	09:50	09:55	10:00	10:05	10:10	10:15
Car 1	Saab Estate												
Car 2	Nissan Qashqai												
Car 3	Ford Focus												
Car 4	Volvo XC90												
Car 5	Nissan Qashqai												
Car 6	Hyundai Tucson												
Car 7	Ford Galaxy												
Car 8	BMW 3 Series												
Car 9	Volvo Estate												
Car 10	Nissan Micra												
Car 11	Honda Civic												
Car 12	Skoda Kodiak												
Car 13	Nissan Leaf												
Car 14	Ford Fiesta												
Car 15	Citroen C4												
Car 16	Nissan Micra												
Car 17	Nissan Micra												
Car 18	Skoda Kodiak												
Car 19	Mitsubishi Outlander												
Car 20	Kia Carens												
Car 21	Citroen C4												
Car 22	BMW 5 Series												
Car 23	BMW 3 Series												
Car 24	Volvo XC90												
Car 25	Ford Galaxy												
Car 26	Volvo XC90												
Car 27	Nissan Qashqai												
Car 28	Saab Estate												
Car 29	Volkswagon Golf												
Car 30	BMW 3 Series												
Total Cars In Car Park		3	1	1	1	1	1	1	1	0	0	1	1

Sunflower Traffic Survey

Make	10:20	10:25	10:30	10:35	10:40	10:45	10:50	10:55	11:00	11:05	11:10	11:15
Car 1 Saab Estate												
Car 2 Nissan Qashqai												
Car 3 Ford Focus												
Car 4 Volvo XC90												
Car 5 Nissan Qashqai												
Car 6 Hyundai Tucson												
Car 7 Ford Galaxy												
Car 8 BMW 3 Series												
Car 9 Volvo Estate												
Car 10 Nissan Micra												
Car 11 Honda Civic												
Car 12 Skoda Kodiak												
Car 13 Nissan Leaf												
Car 14 Ford Fiesta												
Car 15 Citroen C4												
Car 16 Nissan Micra												
Car 17 Nissan Micra												
Car 18 Skoda Kodiak												
Car 19 Mitsubishi Outlander												
Car 20 Kia Carens												
Car 21 Citroen C4												
Car 22 BMW 5 Series												
Car 23 BMW 3 Series												
Car 24 Volvo XC90												
Car 25 Ford Galaxy												
Car 26 Volvo XC90												
Car 27 Nissan Qashqai												
Car 28 Saab Estate												
Car 29 Volkswagen Golf												
Car 30 BMW 3 Series												
Total Cars In Car Park	0	1	1	0	0	0	0	0	0	0	0	0

Sunflower Traffic Survey

Make	11:20	11:25	11:30	11:35	11:40	11:45	11:50	11:55	12:00	12:05	12:10	12:15
Car 1 Saab Estate												
Car 2 Nissan Qashqai												
Car 3 Ford Focus												
Car 4 Volvo XC90												
Car 5 Nissan Qashqai												
Car 6 Hyundai Tucson												
Car 7 Ford Galaxy												
Car 8 BMW 3 Series												
Car 9 Volvo Estate												
Car 10 Nissan Micra												
Car 11 Honda Civic												
Car 12 Skoda Kodiak												
Car 13 Nissan Leaf												
Car 14 Ford Fiesta												
Car 15 Citroen C4												
Car 16 Nissan Micra												
Car 17 Nissan Micra												
Car 18 Skoda Kodiak												
Car 19 Mitsubishi Outlander												
Car 20 Kia Carens												
Car 21 Citroen C4												
Car 22 BMW 5 Series												
Car 23 BMW 3 Series												
Car 24 Volvo XC90												
Car 25 Ford Galaxy												
Car 26 Volvo XC90												
Car 27 Nissan Qashqai												
Car 28 Saab Estate												
Car 29 Volkswagen Golf												
Car 30 BMW 3 Series												
Total Cars In Car Park	0	0	0	0	0	0	0	0	2	2	0	2

Arrives Leaves
 Arrives Leaves
 Arrives Arrives
 Arrives

Sunflower Traffic Survey

	Make	12:20	12:25	12:30	12:35	12:40	12:45	12:50	12:55	13:00	13:05	13:10	13:15
Car 1	Saab Estate												
Car 2	Nissan Qashqai												
Car 3	Ford Focus												
Car 4	Volvo XC90												
Car 5	Nissan Qashqai												
Car 6	Hyundai Tucson												
Car 7	Ford Galaxy												
Car 8	BMW 3 Series												
Car 9	Volvo Estate												
Car 10	Nissan Micra												
Car 11	Honda Civic												
Car 12	Skoda Kodiak												
Car 13	Nissan Leaf												
Car 14	Ford Fiesta												
Car 15	Citroen C4												
Car 16	Nissan Micra												
Car 17	Nissan Micra												
Car 18	Skoda Kodiak												
Car 19	Mitsubishi Outlander	Leaves											
Car 20	Kia Carens	Leaves											
Car 21	Citroen C4	Arrives											
Car 22	BMW 5 Series	Parked											
Car 23	BMW 3 Series	Arrives											
Car 24	Volvo XC90	Arrives											
Car 25	Ford Galaxy	Parked											
Car 26	Volvo XC90	Leaves											
Car 27	Nissan Qashqai	Leaves											
Car 28	Saab Estate	Arrives											
Car 29	Volkswagon Golf	Leaves											
Car 30	BMW 3 Series	Arrives											
Total Cars In Car Park		4	2	0	0	0	0	0	0	0	0	0	0

Sunflower Traffic Survey

Make	13:20	13:25	13:30	13:35	13:40	13:45	13:50	13:55	14:00	14:05	14:10	14:15
Car 1 Saab Estate												
Car 2 Nissan Qashqai												
Car 3 Ford Focus												
Car 4 Volvo XC90												
Car 5 Nissan Qashqai												
Car 6 Hyundai Tucson												
Car 7 Ford Galaxy												
Car 8 BMW 3 Series												
Car 9 Volvo Estate												
Car 10 Nissan Micra												
Car 11 Honda Civic												
Car 12 Skoda Kodiak												
Car 13 Nissan Leaf												
Car 14 Ford Fiesta												
Car 15 Citroen C4												
Car 16 Nissan Micra												
Car 17 Nissan Micra												
Car 18 Skoda Kodiak												
Car 19 Mitsubishi Outlander												
Car 20 Kia Carens												
Car 21 Citroen C4												
Car 22 BMW 5 Series												
Car 23 BMW 3 Series												
Car 24 Volvo XC90												
Car 25 Ford Galaxy												
Car 26 Volvo XC90												
Car 27 Nissan Qashqai												
Car 28 Saab Estate												
Car 29 Volkswagen Golf												
Car 30 BMW 3 Series												

Total Cars In Car Park 0 1 1 1 1 1 0 0 0 0 0 0

Sunflower Traffic Survey

Make	14:20	14:25	14:30	14:35	14:40	14:45	14:50	14:55	15:00	15:05	15:10
Car 1 Saab Estate											
Car 2 Nissan Qashqai											
Car 3 Ford Focus											
Car 4 Volvo XC90											
Car 5 Nissan Qashqai											
Car 6 Hyundai Tucson											
Car 7 Ford Galaxy											
Car 8 BMW 3 Series											
Car 9 Volvo Estate											
Car 10 Nissan Micra											
Car 11 Honda Civic											
Car 12 Skoda Kodiak											
Car 13 Nissan Leaf											
Car 14 Ford Fiesta											
Car 15 Citroen C4											
Car 16 Nissan Micra											
Car 17 Nissan Micra											
Car 18 Skoda Kodiak											
Car 19 Mitsubishi Outlander											
Car 20 Kia Carens											
Car 21 Citroen C4											
Car 22 BMW 5 Series											
Car 23 BMW 3 Series											
Car 24 Volvo XC90											
Car 25 Ford Galaxy											
Car 26 Volvo XC90											
Car 27 Nissan Qashqai											
Car 28 Saab Estate											
Car 29 Volkswagen Golf											
Car 30 BMW 3 Series											
Total Cars In Car Park	0	0	0	0	0	0	0	0	0	0	0

Completed 10th June 2021

Sunflower Traffic Survey

	15:15	15:20	15:25	15:30	15:35	15:40	15:45	15:50	15:55	16:00	16:05
Car 1	Make										
	Saab Estate										
Car 2	Nissan Qashqai										
Car 3	Ford Focus										
Car 4	Volvo XC90										
Car 5	Nissan Qashqai										
Car 6	Hyundai Tucson										
Car 7	Ford Galaxy										
Car 8	BMW 3 Series										
Car 9	Volvo Estate										
Car 10	Nissan Micra										
Car 11	Honda Civic										
Car 12	Skoda Kodiak										
Car 13	Nissan Leaf										
Car 14	Ford Fiesta										
Car 15	Citroen C4										
Car 16	Nissan Micra										
Car 17	Nissan Micra										
Car 18	Skoda Kodiak										
Car 19	Mitsubishi Outlander										
Car 20	Kia Carens										
Car 21	Citroen C4										
Car 22	BMW 5 Series										
Car 23	BMW 3 Series										
Car 24	Volvo XC90										
Car 25	Ford Galaxy										
Car 26	Volvo XC90										
Car 27	Nissan Qashqai										
Car 28	Saab Estate										
Car 29	Volkswagon Golf										
Car 30	BMW 3 Series										
Arrives											
Total Cars In Car Park	0	0	0	0	0	0	0	0	0	0	0

Sunflower Traffic Survey

	16:10	16:15	16:20	16:25	16:30	16:35	16:40	16:45	16:50	16:55	17:00
Car 1	Make										
	Saab Estate										
Car 2	Nissan Qashqai										
Car 3	Ford Focus										
Car 4	Volvo XC90										
Car 5	Nissan Qashqai										
Car 6	Hyundai Tucson										
Car 7	Ford Galaxy										
Car 8	BMW 3 Series										
Car 9	Volvo Estate										
Car 10	Nissan Micra										
Car 11	Honda Civic										
Car 12	Skoda Kodiak										
Car 13	Nissan Leaf										
Car 14	Ford Fiesta										
Car 15	Citroen C4										
Car 16	Nissan Micra										
Car 17	Nissan Micra										
Car 18	Skoda Kodiak										
Car 19	Mitsubishi Outlander										
Car 20	Kia Carens										
Car 21	Citroen C4										
Car 22	BMW 5 Series										
Car 23	BMW 3 Series										
Car 24	Volvo XC90										
Car 25	Ford Galaxy										
Car 26	Volvo XC90										
Car 27	Nissan Qashqai										
Car 28	Saab Estate										
Car 29	Volkswagon Golf										
Car 30	BMW 3 Series										

Total Cars In Car Park 1 12 1 0 1 3 3 0 0 1 1

Parked Leaves

Arrives Leaves

Arrives Parked
Arrives

Sunflower Traffic Survey

	17:05	17:10	17:15	17:20	17:25	17:30	17:35	17:40	17:45	17:50	17:55
Car 1	Make										
	Saab Estate										
Car 2	Nissan Qashqai										
Car 3	Ford Focus										
Car 4	Volvo XC90										
Car 5	Nissan Qashqai										
Car 6	Hyundai Tucson										
Car 7	Ford Galaxy										
Car 8	BMW 3 Series										
Car 9	Volvo Estate										
Car 10	Nissan Micra										
Car 11	Honda Civic										
Car 12	Skoda Kodiak										
Car 13	Nissan Leaf										
Car 14	Ford Fiesta										
Car 15	Citroen C4										
Car 16	Nissan Micra										
Car 17	Nissan Micra										
Car 18	Skoda Kodiak										
Car 19	Mitsubishi Outlander										
Car 20	Kia Carens										
Car 21	Citroen C4										
Car 22	BMW 5 Series										
Car 23	BMW 3 Series										
Car 24	Volvo XC90										
Car 25	Ford Galaxy	Leaves									
Car 26	Volvo XC90	Leaves									
Car 27	Nissan Qashqai	Arrives	Leaves								
Car 28	Saab Estate										
Car 29	Volkswagon Golf						Arrives	Parked	Leaves		
Car 30	BMW 3 Series							Arrives	Leaves		
Total Cars In Car Park		0	0	1	1	1	0	2	3	1	0

Sunflower Traffic Survey

Make	18:00	18:05	18:10	18:15	18:20	18:25	18:30	18:35
Car 1	Saab Estate							
Car 2	Nissan Qashqai							
Car 3	Ford Focus							
Car 4	Volvo XC90							
Car 5	Nissan Qashqai							
Car 6	Hyundai Tucson							
Car 7	Ford Galaxy							
Car 8	BMW 3 Series							
Car 9	Volvo Estate							
Car 10	Nissan Micra							
Car 11	Honda Civic							
Car 12	Skoda Kodiak							
Car 13	Nissan Leaf							
Car 14	Ford Fiesta							
Car 15	Citroen C4							
Car 16	Nissan Micra							
Car 17	Nissan Micra							
Car 18	Skoda Kodiak							
Car 19	Mitsubishi Outlander							
Car 20	Kia Carens							
Car 21	Citroen C4							
Car 22	BMW 5 Series							
Car 23	BMW 3 Series							
Car 24	Volvo XC90							
Car 25	Ford Galaxy							
Car 26	Volvo XC90							
Car 27	Nissan Qashqai							
Car 28	Saab Estate							
Car 29	Volkswagon Golf							
Car 30	BMW 3 Series							
Total Cars In Car Park	2	2	2	0	0	3	3	1

Arrives Parked Leaves