

Technical Note

Project No: ITB13040
Project Title: Hamble Airfield
Title: Vehicle Movement Condition
Ref: ITB13040-008 TN
Date: 28 February 2023

SECTION 1 INTRODUCTION

1.1.1 i-Transport has been appointed by CEMEX to provide highway and transport advice in relation to a planning application (CS/22/92277) for the following on land at Hamble Airfield:

“Proposed extraction of sand and gravel, with restoration to grazing land and recreation using imported inert restoration materials, the erection of associated plant and infrastructure and the creation of a new footpath and access onto Hamble Lane at Hamble Airfield”

1.1.2 A Transport Assessment and Transport Assessment Addendum was prepared in support of the planning application and comments have been provided by the local highway authority, Hampshire County Council. The comments set out that the County Council have no objection to the planning application from a highways and transport perspective, subject to agreeing a Planning Condition to restrict vehicle movements at certain times of the day and the provision of a contribution to provide appropriate mitigation. This Technical Note provides further information to inform the discussions on the proposed Planning Condition to restrict the timing of vehicle movements.

SECTION 2 PEDESTRIAN / CYCLE MOVEMENTS

2.1.1 Hamble Primary School is located to the south of the site on the western side of Hamble Lane and The Hamble School (a secondary school) is located to the north of the site on the eastern side of Hamble Lane. Pedestrians and cyclists from both schools use Hamble Lane along the site frontage where access to the site is proposed. It is therefore proposed to limit vehicle movements exiting the site to coincide with the periods when there are the highest number of pedestrians and cyclists using Hamble Lane along the site frontage. It is not however proposed to restrict vehicle arrivals to the site because it can be counterproductive and result in vehicles arriving at the site and then having to find a place to wait. In practice however, CEMEX have found that drivers often avoid arriving at the site during the periods when there are restrictions on vehicle departures to avoid lost time (and associated costs).

2.2 School Opening Times

2.2.1 The school opening times are as follows:

- Hamble Primary School – the school opens at 8:30 and everyone must be in class by 8:45. The school day ends at 15:20. A copy of the school opening times listed on the schools website are included in **Appendix A**; and
- The Hamble School – the school bell is at 08:25 in the morning Monday – Friday. The end of the day is 14:35 on a Monday and 14:55 Tuesday – Friday. A copy of the school opening times listed on the schools website are included in **Appendix B**.

2.3 Pedestrian Cycle Movements

2.3.1 Surveys were undertaken in support of the planning application to count the number of pedestrians and cyclists using Hamble Lane along the site frontage in the vicinity of the proposed access. The surveys were undertaken on a Thursday during term time.

2.3.2 **Table 2.1** provides a summary of the pedestrian and cycle movements in the morning period by 15-minute time period.

Table 2.1: Pedestrian / Cycle Movements – Morning Period

	Northbound	Southbound	Two-way
07:00 – 07:15	1	4	5
07:15 – 07:30	0	4	4
07:30 – 07:45	3	4	7
07:45 – 08:00	6	2	8
08:00 – 08:15	40	2	42
08:15 – 08:30	19	6	25
08:30 – 08:45	4	7	11
08:45 – 09:00	3	2	5
09:00 – 09:15	2	6	8
09:15 – 09:30	0	1	1

2.3.3 As summarised in **Table 2.1**, between 07:45 -08:00 there were eight pedestrian/cycle movements. Between 08:00 – 08:30 there were 67 pedestrian/cycle movements, with 88% of these movements in a northbound direction. This suggests the majority of these movements were associated with The Hamble School to the north of the site. Between 08:30 – 08:45 there were 11 pedestrian/cycle movements, with a higher percentage being southbound movements.

2.3.4 **Table 2.2** provides a summary of the pedestrian and cycle movements in the afternoon period by 15-minute time period.

Table 2.2: Pedestrian / Cycle Movements – Afternoon Period

	Northbound	Southbound	Two-way
14:00-14:15	1	0	1
14:15-14:30	0	1	1
14:30-14:45	0	1	1
14:45-15:00	3	1	4
15:00-15:15	1	64	65
15:15-15:30	2	6	8
15:30-15:45	5	3	8
15:45-16:00	11	2	13
16:00-16:15	4	10	14
16:15-16:30	8	3	11

2.3.5 As summarised in **Table 2.2**, between 14:45 -15:00 there were four pedestrian/cycle movements. Between 15:00 – 15:15 there were 65 pedestrian/cycle movements, with 98% of these movements in a southbound direction. This suggests the majority of these movements were associated with The Hamble School to the north of the site. Between 15:15 – 15:30 and 15:30 – 15:45 there were eight pedestrian/cycle movements. It is noted that the peak in pedestrian/cycle movements occurs circa five minutes after The Hamble School day ends.

SECTION 3 CONCLUSION

3.1.1 Based on the opening times of Hamble Primary School and The Hamble School and the time of the pedestrian/cycle movements along the site frontage, it is suggested that vehicles are restricted from leaving the site between:

- 08:00 – 08:45 – this covers the half hour period when there are the highest number of pedestrian/cycle movements along the site frontage and encompasses the school opening times (i.e. between 08:25 – 08:45); and
- 14:30 – 15:15 – this covers the 15-minute period when there are the highest number of pedestrian/cycle movements along the site frontage and the preceding 30-minute period. This takes into account that on Monday, The Hamble School finishes earlier and the peak in movements would also be earlier (i.e. at circa 14:40 five minutes after the school day ends).

3.1.2 Some of the traffic movements in these periods would be displaced into other time periods and **Table 3.1** summarises the indicative number of HGV movements anticipated in the morning and afternoon based on the data included within the Transport Assessment and Transport Assessment Addendum.

Table 3.1: Indicative HGV Movements – Morning & Afternoon

Time	Trip Profile	Number of two-way trips per hour		
		Traffic Phase 1	Traffic Phase 2	Traffic Phase 3
Morning Period				
07:00-08:00	18%	17	26	17
08:00-09:00	12%	11	17	11
09:00-10:00	13%	12	19	12
Afternoon Period				
14:00-15:00	10%	9	15	9
15:00-16:00	8%	7	11	7

3.1.3 In the afternoon, circa 10-15 traffic movements were anticipated to occur between 14:00-15:00 and circa 5-10 traffic movements were anticipated to occur between 15:00-16:00. These movements are outside of the peak periods of traffic on the local highway network and some displacement of movements until after 15:15 would not have an adverse impact on the operation of the local highway network. In the morning, circa 15-30 traffic movements were anticipated to occur between 07:00-08:00 and circa 10-20 traffic movements were anticipated to occur between 08:00-09:00 and 09:00-10:00. The network peak is 07:30 – 08:30, so in practice holding vehicles on the site between 08:00-08:45 will result in them being released onto the network after the busiest period.

**APPENDIX A. HAMBLE PRIMARY SCHOOL
OPENING TIMES**

School Opening Hours and Holiday Dates

[Home](#) >> [Key Info](#) >> [School Opening Hours and Holiday Dates](#)

Opening Hours

School opens at 8.30am for all children and everyone must be in class by 8.45 which is our official start time.

School ends at 3.20.

The total time in school for children is 32 hours and 55 minutes per week.

**APPENDIX B. THE HAMBLE SCHOOL OPENING
TIMES**

The School Day

Times of the day

MONDAY

Start	Finish	Activity
8.25		Warning bell
8.30	08:45	TUTOR
8.45	09:45	Period 1
9.45	10:45	Period 2
10.45	11:05	BREAK
11.00		Warning bell
11.05	12:05	Period 3
12.05	13:05	Period 4
13.05	13:35	LUNCH
13.30		Warning bell
13.35	14:35	Period 5
14.35		END OF DAY

TUESDAY – FRIDAY

Start	Finish	Activity
8.25		Warning bell
08:30	09:00	TUTOR
09:00	10:00	Period 1
10:00	11:00	Period 2
11:00	11:20	BREAK
11.15		Warning bell
11:20	12:20	Period 3
12:20	13:20	Period 4
13:20	13:55	LUNCH
13.50		Warning bell
13:55	14:55	Period 5
14.55		END OF DAY