

Robert West video survey analysis

Table 1 below summaries the arrivals and departures generated during the school peak drop-off hour (0800-0900) and the school peak collection hour (1430-1530) by video survey undertaken in April 2023. Access to the staff car park has been excluded from this survey analysis as parents are not permitted to drop-off or collect within the staff car park and this analysis focuses on travel by pupils. A mode share for pupils has been calculated by taking the average percentage of arrival and departures by mode during each school peak period. This mode share is illustrated in Table 1 below. The raw survey data is attached to this email (and appended to the Transport Assessment).

Table 1 – Video survey data – Peak drop-off and collection hour travel demand

Mode of Travel	AM peak 0800-0900				PM peak 1430-1530				Mode share average
	Arrivals	% of Arrivals	Departures	% of Departures	Arrivals	% of Arrivals	Departures	% of Departures	
Pedestrians	292	87%	84	79%	83	86%	166	90%	85%
Cycles	7	2%	7	7%	0	0%	7	4%	3%
Scooters	18	5%	2	2%	1	1%	2	1%	2%
Car (Pavilion car park)	11	3%	13	12%	5	5%	5	3%	6%
Car (staff car park)	9	3%	0	0%	8	8%	4	2%	3%
Total	337	100%	106	100%	97	100%	184	100%	100%

Table 2 below illustrates the pupil mode share from the hands up survey undertaken in April 2023 (taken from the Transport Assessment).

Table 2 – Pupil hands up survey results

Mode of Travel	Hands-up Survey Mode Share
Car	8%
Car Share	0%
Cycle/Scoot	18%
Public Transport	1%
Walk	70%
Other (park & stride)	3%
Total	100%

Table 3 below compares the mode share results derived from the video survey and the hands up survey results illustrated above. Public transport has been excluded from this comparison as users who travelled by public transport could not be identified by the video survey. This mode share has not been reassigned for the purpose of this analysis as only 1% of pupils were recorded to travel by public transport from the hands up survey.

Table 3 - Hands up survey and video survey results comparison

Mode of Travel	Hands-up Survey Mode Share	Video Survey Mode Share (daily average)	Difference
All car travel	11%	6%	+5%
Cycling/ Scooting	18%	6%	+12%
Walking	70%	88%	-18%
Total	100%*	100%*	

Rounding occurred*

Table 3 indicates pupils travelling to school by walking, identified by the video survey is greater than that which was suggested by the pupil and staff surveys. The video survey identifies a small number of pupils travelling by cycling/ scooting and all car modes.

Overall, the hands up survey results and the video survey results are largely aligned. It is acknowledged there are some discrepancies between mode share identified in the hands up survey compared to video survey likely attributed to the following:

- Only peak hour trips have been considered in the analysis of the video survey.
- Pupils who attend breakfast club and after school activities have not been accounted for.
- Variation in mode share related to variation of choice of travel mode which would take place on a daily/ weekly basis.
- Pupils who arrive by park and stride or public transport cannot be identified and therefore were considered as pedestrian trips within the analysis.