

Oakham High Street – Video Analysis of Westbound Traffic Movements

Client name Rutland County Council	Discipline Development Planning	Date August 2017	Project number 60494381
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Revision History

Revision	Revision date	Details	Authorised	Name	Position
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Introduction:

This technical note has been prepared to report on an analysis of the May 2017 video traffic surveys undertaken in Oakham Town Centre to establish the movements of westbound traffic in more detail. The assessment identifies the proportion of through trips, on-street parking and vehicles turning down side streets along High Street.

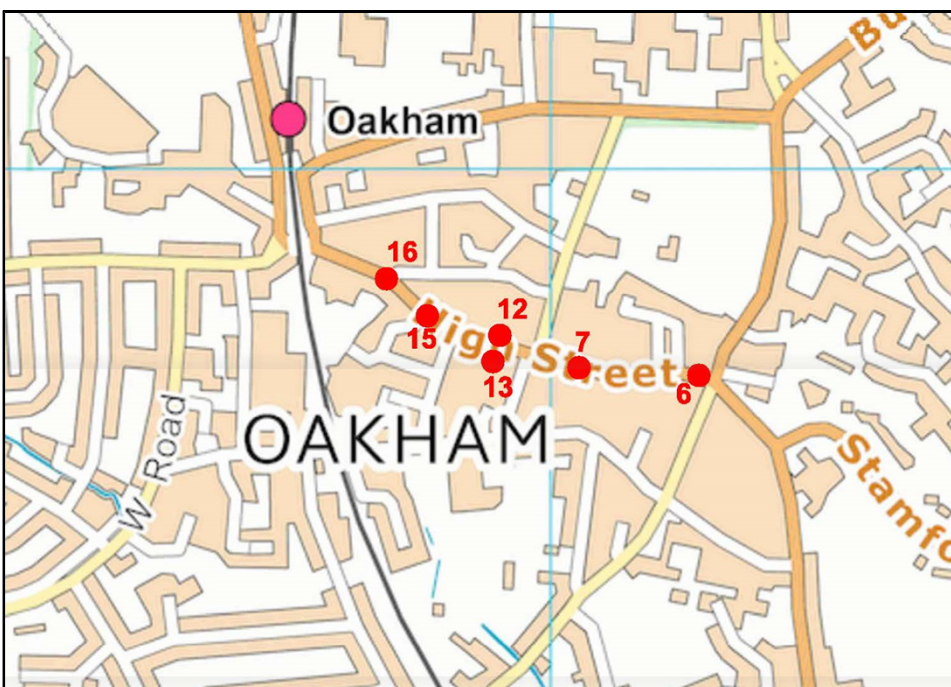
May 2017 Video Traffic Surveys

On Thursday 28th May 2017 video traffic surveys were undertaken along the B640 High Street, between its junctions with B641 to the east and Cold Overton Road to the west. The dates for the surveys were agreed with Rutland County Council officers and no roadworks or temporary traffic management measures were present during the surveys.

The surveys were undertaken by an independent survey company between the hours of 08:00-18:00, a total of 14 cameras were strategically located along the survey corridor to capture the full length of the corridor for both directions of travel.

It was agreed with Rutland County Council officers in July 2017 to assess westbound traffic movements in more detail. A desktop study was undertaken utilising the data observed from cameras 6, 7, 12, 13, 15 and 16, locations shown within **Figure 1**.

Figure 1 – Oakham B640 High Street Camera Survey Locations



Camera Locations

- Camera 6 – B640 High Street within vicinity of its junction with Mill Street;
- Camera 7 – B640 High Street to the west of its junction with Market Street;
- Cameras 12 & 13 – B640 High Street to the west of its junction with Church Street;
- Camera 15 – B640 High Street within vicinity of its junction with Westgate Street; and
- Camera 16 – B640 High Street within vicinity of its junction with Deans Street.

Methodology

In order to identify the level of through trips, on street parking occurring and utilisation of side streets along the High Street throughout the day, sample video analysis was undertaken in the following time periods.

- 08:00 – 09:00;
- 09:00 – 10:00;
- 11:00 – 12:00;
- 14:00 – 15:00; and
- 17:00 – 18:00.

30 vehicles were identified for each of the above time periods, 10 of which were observed during the beginning of the hour, 10 vehicles towards the middle of the hour and 10 vehicles towards the end of the hour period.

A total of 150 vehicles throughout the study period were identified along the survey corridor via each of the camera locations within the above list to identify whether they utilised an on street parking space, turned off on to a side street or drove straight through.

Each vehicle was identified at each camera with their time recorded to enable identification through each of the cameras located along the High Street and enabled identification whether they parked, turned off or was straight through traffic and at which location these movements may have occurred.

Results

The desktop survey results identified an overall total of 22 vehicles that parked on street, 97 turning down a side street and 31 through movements throughout the time period, which equates to an overall percentage of 14.7% parking, 64.7% turning down a side street and 20.7% through movements of the total 150 vehicles observed throughout the survey period as shown within **Tables 1** and **2**.

Table 1. Oakham B640 High Street Westbound Vehicle Movements

Time Period	Through Down Movements Side Street	Turning	On Street Parking	Total
08:00-09:00	5	18	7	30
09:00-10:00	2	22	6	30
11:00-12:00	4	22	4	30
14:00-15:00	9	18	3	30
17:00-18:00	11	17	2	30
Total	31	97	22	150

Source: Consultants video analysis

Table 2. Oakham B640 High Street Westbound vehicle Movement Proportions

Time Period	Through Down Movements Side Street	Turning	On Street Parking	Total
08:00-09:00	16.7%	60.0%	23.3%	100.0%
09:00-10:00	6.7%	73.3%	20.0%	100.0%
11:00-12:00	13.3%	73.3%	13.3%	100.0%
14:00-15:00	30.0%	60.0%	10.0%	100.0%
17:00-18:00	36.7%	56.7%	6.7%	100.0%
Total	20.7%	64.7%	14.7%	100.0%

Source: Consultants video analysis

Summary and Conclusions

This report has summarised an analysis of the May 2017 video traffic surveys which provides a summary of the westbound vehicular movements along High Street. It has identified proportions of through trips, on street parking and vehicles turning into the side streets off High Street westbound.

30 random vehicles throughout 5 different hourly time periods (an overall total of 150 vehicles) were identified throughout the survey corridor via each of the camera locations to identify whether they utilised on street parking space, turned off on to a side street or were straight through traffic.

The desktop survey results identified an overall total of 22 vehicles that parked on street, 97 turning down a side street and 31 through movements throughout the time period. This equates to an overall percentage of 14.7% parking, 64.7% turning down a side street and 20.7% through movements of the total 150 vehicles observed throughout the survey period.

The conclusion is that over the study period the majority of the observed traffic travelling westbound is not through traffic along High Street.