

# Proposed Vehicle Speed Management Actions for Dorney Parish

## Objectives:

1. Reduce speeding further on Parish roads as requested by residents.
2. Reduce the volume of vehicles travelling through Parish roads as requested by residents.

## How:

### 1. Vehicle Speed Data:

Improve speed data monitoring to achieve the following:

- Possibly reduce £10,000 quoted cost per speed limit change by using existing, currently uncollected data.
- Provide and publish regular speed and volume data on DPC website to assist decision making.
- Determine optimum locations for the Mobile Vehicle Activation (MVA) signs.
- Be seen by residents to be doing something positive.

### Appoint a Parish Vehicle Speed and Volume Analyst:

To provide regular and authoritative reports on vehicle speed and volume data.

Dorney Parish Council (plus grants) has invested close to £10,000 in four MVA signs around the Parish which appear to be effective in assisting to reduce vehicle speeds.

It is unclear which form of data management each unit currently has within it.

Regardless, they all have the ability for data to be downloaded by a Bluetooth connection onto a laptop in close proximity to each unit. The software to analyse the data may be different, depending on the manufacturer.

In addition to the 4 MVAS, the Bucks Council county boundary vehicle counting unit is located in the Memorial Garden next to the cattle grid. Since 2022 this unit has been upgraded to provide speed data.

I have been collecting vehicle volume data from this unit since 2005. The 2023 speed report is attached, which indicates that the average speed of 85% of vehicles (the 85<sup>th</sup> percentile) entering Village Road was recorded as 30.4mph. A relatively small number entered Village Road at more than 36mph – 1%. However, vehicles leaving Village Road onto Common Road were accelerating into the 60mph limit and the average speed of 85% of these vehicles (the 85<sup>th</sup> percentile) was 33.1mph and 4% of them were leaving at speeds over 36mph.

A suitably trained resident volunteer is required to collect the data from all four units – in both directions – and produce a quarterly and annual report. This can be used by DPC and Bucks Council in order to consider changing speed limits and published on the DPC website to provide facts and to demonstrate DPC action.

See suggested Volunteer advert for DPN attached. If unsuccessful finding a volunteer, I suggest offering quarterly monitoring and report fee of £400 p.a. (£100/quarter).

## 2. Speed Limits:

Reduce current speed limits on selected roads.

- **Common Road/Boveney Road** – from 60mph to 40mph: To be consistent with other areas in the country with free-ranging large animals on the roads.
  - Get support from Eton Town Council to strengthen argument as it is a “cross county border” road and thus more open to influence. **Done.**
  - Submit proposal to Bucks Council based on national park precedents. **Done.**
- **Marsh Lane/Court Lane** – from 40mph to 30mph.
  - Check with Bucks Council to determine use of MVAS data to reduce £10,000 cost and replace survey.
  - Current Marsh Lane sign can be moved for a period if necessary (Court Lane?)
    - Caveat: Check same Solar Panel to Unit connection – otherwise can only be swapped with similar device (Swarco v AN Other?)
- **Lake End Road** – from 60mph to 40mph between Sainsbury’s roundabout and the entrance to the 30mph zone at Lake End near The Pineapple.
  - **Cost:** Bucks Council has advised a cost of approximately £10,000 per change.
  - Get support from Burnham Parish Council.
  - Check with Bucks Council to determine use of MVAS data to reduce £10,000 cost and replace survey.
  - Current Lake End Road sign can be moved for a period if necessary (Lake End Road)
    - Caveat: Check same Solar Panel to Unit connection – otherwise can only be swapped with similar device (Swarco v AN Other?)

## 3. Village Entry Points:

Consider adding two more white gate entry points at settlement boundaries in Marsh Lane and Lake End Road, similar to those at the Common Road/Village Road settlement entry point.

- Reduce the speed of vehicles entering and leaving the Parish at these points.
- Clearly state to motorists that they are entering a rural area.
- Reduce signage clutter on the roads in the Parish.

Develop designs and costings for white gate entry points in Marsh Lane and Lake End Road, integrating Dorney name signs, speed limits, and conservation area notices. **In progress.**



## Help Dorney Parish Council in Improving Community Safety!

Dorney Parish Council is dedicated to ensuring the safety and well-being of our residents. We have invested significantly in four automatic speed advice units placed strategically on Common Road, Lake End Road (x2), and Marsh Lane. These units serve a dual purpose: to encourage motorists to adhere to speed limits, to gather essential data for assessing the effectiveness of our speed reduction efforts and understanding traffic volume within the parish.

**Position Overview:** We are seeking a local resident to take on the role of Vehicle Speed and Volume Analyst as a volunteer. This position involves the collection and analysis of data from the speed advice units and the Bucks Vehicle Counter, which is vital in measuring the impact of our speed reduction initiatives and monitoring vehicle traffic within Dorney Parish. The data will be collected monthly or quarterly, and the findings will be reported to the Parish Council and published on the Council's website.

### Key Responsibilities:

- Download data, by Bluetooth, from the four speed advice units monthly or quarterly.
- Analyse the collected data using the provided manufacturer software.
- Analyse the volume/speed data from Bucks Council Automatic Counter (Village Road)
- Generate monthly or quarterly reports with key findings.
- Collaborate with the Parish Council to identify trends and opportunities for improvement.
- Attend training sessions on vehicle speed & volume report writing (if needed).

### Qualifications:

- Residency in Dorney or the immediate vicinity.
- Proficiency in using smartphones and laptops.
- Strong analytical and data interpretation skills.
- Good communication and reporting abilities.
- Willingness to commit to a regular freelance contract.
- Suitable for work experience.

**Hours:** Difficult to be precise but estimate around 2-3 hours per month.

**How to Apply:** If you are interested in taking on this important role as a Vehicle Speed and Volume Analyst, please contact Ruth Senior, Parish Clerk, at [clerk@dorneyparishcouncil.gov.uk](mailto:clerk@dorneyparishcouncil.gov.uk). Ruth will provide you with more detailed information about the responsibilities and requirements of the position, allowing you to determine if you have the necessary time and skill set to contribute to our community.

# DPC: Vehicle Speed Report – Village Road/Dorney Common

**Location:** Bucks Official Boundary Counter, Memorial Ground, Village Road

**Date Range:** From January 1, 2023, to 31 December 2023.

## 1. Vehicles Entering Village Road from Common Road 2023 (Northwestbound)

- **Total Volume:** A total of 988,260 vehicles entered Dorney Village from Common Road during the specified period.
- **Speed Compliance:**
  - Approximately 91% of vehicles remained below 31 MPH, complying with the 30 MPH speed limit.
  - The remaining 9% exceeded 31 MPH.
    - 8% between 31 and 36Mph
    - 1% exceeded 36Mph (c.34 cars/day between 36 and 51Mph)
- **Conclusions:**
  - These results indicate that the combination of the MVA Sign at this location, the 30Mph sign and the white entry fences on both sides of the road appear to be effective in reducing speeds of vehicles entering Village Road from Common Road close to or below the 30Mph speed limit.
  - But c.34 cars/day (1%) are entering Village Road at speeds between 36 and 51Mph.

## 2. Vehicles Leaving Village Road onto Common Road 2023 (Southeastbound)

- **Total Volume:** A total of 995,124 vehicles left Dorney Village onto Common Road during the specified period.
- **Speed Compliance:**
  - Approximately 79% of vehicles remained below 31 MPH, complying with the 30 MPH speed limit.
  - The remaining 21% exceeded 31 MPH.
    - 18% between 31 and 36Mph
    - 3% exceeded 36Mph (c.90 cars/day between 36 and 56Mph)
- **Conclusions:**
  - These results indicate that the derestricted speed limit (60Mph) sign visible at the cattle grid when leaving Village Road onto Dorney Common appears to be encouraging a number of drivers to accelerate to higher speeds at this point.
  - c.90 cars/day (3%) are entering Common Road from Village Road at speeds between 36 and 56Mph.

Site Number 93207902  
 B3026 Dorney Common  
 Speed Summary (Speed Limit 30 Mph)

Site Refere B3026 932790

Lat/Lng. 51.50245,-0.65854

From 01/01/2023 To 01/01/2024

Channel: Southeastbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	<26Mph	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	56-<61	61-<66	66-<71	71-<76	76-<81	=>81
Monday	2652	33.0	29.0	3.4	805	1240	516	78	11	2	0	0	0	0	0	0	0
Tuesday	2831	32.9	29.0	3.3	864	1330	543	81	11	1	0	0	0	0	0	0	0
Wednesday	2800	32.9	29.0	3.3	852	1320	534	80	11	2	0	0	0	0	0	0	0
Thursday	2835	32.9	28.9	3.3	879	1332	531	80	11	2	0	0	0	0	0	0	0
Friday	3006	32.7	28.9	3.3	984	1388	534	83	14	2	0	0	0	0	0	0	0
Saturday	2734	32.3	28.6	3.4	1024	1182	437	74	13	2	1	0	0	0	0	0	0
Sunday	2279	32.3	28.6	3.5	912	931	358	62	11	3	1	0	0	0	0	0	0
5 Day Ave.	2825	32.9	29.0	3.3	877	1322	532	80	12	2	0	0	0	0	0	0	0
7 Day Ave.	2734	32.8	28.9	3.3	903	1246	493	77	12	2	0	0	0	0	0	0	0
pw average	19137				6320	8723	3453	538	82	14	2	0	0	0	0	0	0
pa avge	995124				328640	453596	179556	27976	4264	728	104	0	0	0	0	0	0
					33.0%	45.6%	18.0%	2.8%	0.4%	0.1%	0.0%						100%
						78.6%					21.4%						

Buckinghamshire Council

VDA-net R2 16/02/2024

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 B3026 Dorney Common  
 Speed Summary (Speed Limit 30 Mph)

Site Refere B3026 932790

Lat/Lng. 51.50245,-0.65854

From 01/01/2023 To 01/01/2024

Channel: Northwestbound

	Total Volume	85th Percentile	Mean Average	Standard Deviation	<26Mph	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	56-<61	61-<66	66-<71	71-<76	76-<81	=>81
Monday	2616	30.3	27.7	2.6	1332	1026	223	30	4	1	0	0	0	0	0	0	0
Tuesday	2842	30.3	27.6	2.7	1457	1113	236	31	5	1	0	0	0	0	0	0	0
Wednesday	2826	30.3	27.7	2.7	1447	1101	240	32	4	1	0	0	0	0	0	0	0
Thursday	2883	30.3	27.7	2.7	1481	1121	244	32	4	1	0	0	0	0	0	0	0
Friday	3004	30.2	27.6	2.6	1588	1137	241	32	4	1	0	0	0	0	0	0	0
Saturday	2651	30.0	27.4	2.6	1531	896	193	26	3	1	0	0	0	0	0	0	0
Sunday	2183	30.0	27.4	2.7	1283	716	156	22	4	1	0	0	0	0	0	0	0
5 Day Ave.	2834	30.3	27.6	2.7	1461	1100	237	31	4	1	0	0	0	0	0	0	0
7 Day Ave.	2715	30.2	27.6	2.7	1446	1016	219	29	4	1	0	0	0	0	0	0	0
pw average	19005				10119	7110	1533	205	28	7	0	0	0	0	0	0	0
pa avge	988260				526188	369720	79716	10660	1456	364	0	0	0	0	0	0	0
					52.9%	37.2%	8.0%	1.1%	0.1%	0.0%	0.0%						99%
						90.0%					9.3%						

Buckinghamshire Council

VDA-net R2 16/02/2024

Site Number 93207902  
 B3026 Dorney Common  
 Speed Summary (Speed Limit 30 Mph)

Site Refere B3026 932790

Lat/Lng. 51.50245,-0.65854

From 01/01/2023 To 01/01/2024

Channel: Not Assigned

	Total Volume	85th Percentile	Mean Average	Standard Deviation	<26Mph	26-<31	31-<36	36-<41	41-<46	46-<51	51-<56	56-<61	61-<66	66-<71	71-<76	76-<81	=>81
Monday	5268	31.5	28.3	3.1	2137	2266	738	108	15	3	1	0	0	0	0	0	0
Tuesday	5673	31.4	28.3	3.1	2321	2443	779	111	15	2	1	0	0	0	0	0	0
Wednesday	5626	31.4	28.3	3.1	2300	2422	775	112	15	3	0	0	0	0	0	0	0
Thursday	5718	31.3	28.3	3.1	2360	2453	775	111	16	2	0	0	0	0	0	0	0
Friday	6009	31.1	28.2	3.1	2572	2525	774	115	18	3	1	0	0	0	0	0	0
Saturday	5386	30.9	28.0	3.1	2556	2079	630	100	16	3	1	0	0	0	0	0	0
Sunday	4461	30.8	28.0	3.2	2195	1647	513	84	15	3	1	0	0	0	0	0	1
5 Day Ave.	5659	31.3	28.3	3.1	2338	2422	768	112	16	3	0	0	0	0	0	0	0
7 Day Ave.	5449	31.1	28.2	3.1	2349	2262	712	106	16	3	1	0	0	0	0	0	0
pw average	38141				16441	15835	4984	741	110	19	5	0	0	0	0	0	1
pa avge	1983332				854932	823420	259168	38532	5720	988	260	0	0	0	0	0	52
					43.1%	41.5%	13.1%	1.9%	0.3%	0.0%	0.0%						100%
						84.6%					15.4%						

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VDA-net R2 16/02/2024