

Speed Indicator Display (SID) Proposal

1. Locations

Following the August meeting of the Parish Council, the various proposed locations have been revisited on a number of occasions (i.e. A272 and School Lane). In respect of the A272 location the conclusion reached is that rather than having two locations on the A272 (an east and a west facing site) as originally suggested it would make more sense to apply for a single A272 site license which could be used in either direction. The reasons for this are twofold:

- (a) The location of the 30 mph restricted section of the A272 and lines of sight on this section (restricted by bends in the road and overhanging trees) would result in the east and west facing locations being quite close to one another. Thus one site would make more sense notwithstanding that for the location proposed this would be on the 'wrong' side of the road for vehicles travelling east. However, Councillors will be aware that this is the case for the fixed speed indicator sign in Buxted which does not appear to have caused any problems.
- (b) A single A272 location option would reduce the cost of both site licensing and installation of support poles.

Proposed location of the A272 sign:

Lat 50.995711

Long 0.185560

Grid ref TQ 53467 24086

Easting 553467

Northing 124086



As for School Lane, there are few positions that are not obstructed or close to junctions. The site proposed is just north of the wooden bench recently repaired by the Chairman, on the west side of School Lane; that is

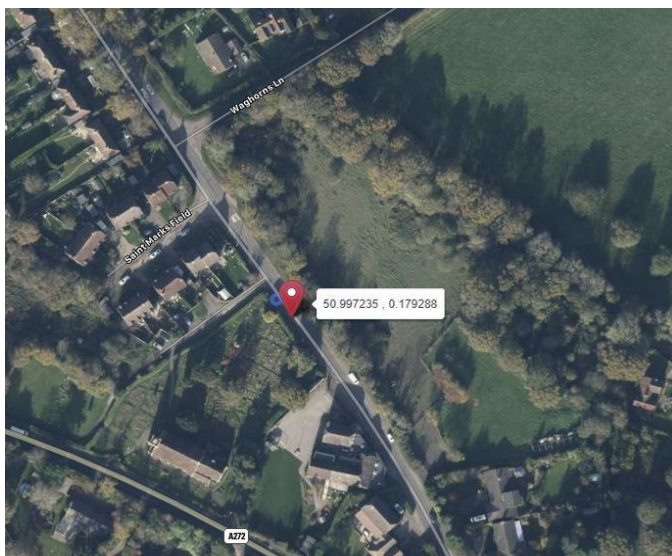
Lat 50.997235

Long 0.179288

Grid ref TQ 53022 24242

Easting 553022

Northing 124242



2. SID Support Options and Costs

Quotations have been requested from four local firms for both proposed locations and for two options at each location:

- (i) A fixed, permanent pole at each site.
- (ii) A fixed permanent base at each site and a single post that could be moved from one site to the other (this is, I believe, preferable as local residents might object to a 'naked' pole at the times when the SID is not attached).

See Annex A for the specification.

At the time of writing no quotations have been received but one or more may be available at the meeting.

N.B. In the next section two variants of the SWARCO sign are discussed; the battery powered option is less than 0.6 m² so any support pole that conforms to BS5469 would suffice. However, the solar panel option is larger (LED display plus solar panel) so would require a more robust, dedicated support pole.

3. SID – Options and Costs

SWARCO has been chosen by a number of local Parish Council as the best option to provide a SID, including Rotherfield. It has thus been this supplier that has been approached, but quotes from other suppliers can be obtained once the project has been agreed in principle by the Council.

SWARCO has quoted for several options with different coloured LEDs for each. The two main options are for a sign that displays speed along with an emoji indicating pleasure or various degrees of displeasure or words rather than an emoji – 'Thank You' / 'Slow Down'. As discussed at the August meeting, my preference is for the 'worded' option (these variants can be viewed at www.swarco.com).

The specification of the 'word' variant can be found at Annex B. v2.

There are also two power options – a rechargeable battery or solar panel. The costs of the two are comparable (the following is 'cut and pasted' from the SWARCO quotation):

Option 1 (Battery)

160mm battery powered Moveable Vehicle Activated 'Your Speed' Sign (inc dual 22Ah batteries) with SLOW DOWN/THANK YOU or smile/frown pictogram message including delivery.

Provision of wi-fi activation wand.

Provision of on-site training (mandatory for new clients, removable for returning clients on request)

The value for this project is £3,110.00 ex VAT.

Option 2 (Solar)

Solar powered Mobile Vehicle Activated 'Your Speed' Sign including delivery.

Provision of wi-fi activation wand.

Provision of on-site training (mandatory for new clients, removable for returning clients on request)

The value for this project is £3,022.45 ex VAT.

In addition, a number of other items would be required. The SWARCO quotation for these can be found in Annex C.

The cost of these items totals **£701.00** excluding Year 2 Warranty contract (£123.00 per annum from year 2 on) or a Maintenance Contract from date of purchase (£287.50 per annum).

4. Additional Insurance Requirements

The Clerk has contacted the Parish Council insurers (**Came & Company Local Council Insurance**) who have responded as follows:

"To increase the Street Furniture sum insured by £4,000 to include the Speed Indicator Device and poles which will cover them against loss or damage will increase the annual premium payable by £10.27 including Insurance Premium Tax (IPT) to a new future annual premium of £330.17 including IPT.

As this premium is modest there will be no pro rata additional premium required until the next renewal date on 1st June 2021.

Please note Public Liability Insurance will be provided automatically for no additional premium once the asset is in place. Cover will also be afforded automatically for any employees, councillors or volunteers involved with deploying the device."

5. Additional Considerations and Recommendations

If the Parish Council decides to proceed with this project then East Sussex County Council licenses would be required for both the proposed locations. The factors that need to be considered before applying for such licenses have been provided by Robin Hayward (**Enforcement & Claims Support Supervisor, East Sussex Highways**):

- *No speed devices are to be attached to any telegraph pole under any circumstances*
- *The speed indicator devices must not be permanent fixtures but should be located at a site on a temporary basis and moved to another location*
- *The wind-loading of the sign does not exceed the safety parameters of the column that is being used*
- *Working practices are in place for installing the sign and the charging or changing of the batteries.*

- *The licensee will indemnify the County Council against all claims relating to the sign and carry out all ongoing maintenance and upkeep of the sign*
- *The licensee will hold a suitable public liability insurance to cover the sign and everything relating to the sign. The PL cover to be £10million*
- *A schedule detailing the duration that the sign will be displayed at each location*
- *Plans of the proposed locations (By way of photos of the location and Geo location (If you are unsure how to obtain this please give me a call*
- *In terms of physical restriction any sign will need to be a minimum of 450mm from the edge of the carriageway and have a clearance of 2.1m if placed in a location where pedestrians will be present (this will need to be increased if the area is used by horse riders)*
- *Signs will also need to be placed so as not to cause a distraction or obstruction to any road user and we would not consider such locations as sharp bends in the road or near to a junction.*
- *You will need to provide specifications by the manufacturer who makes and supplies the machines detailing dimensions of the sign, construction and wind-loading specs.*

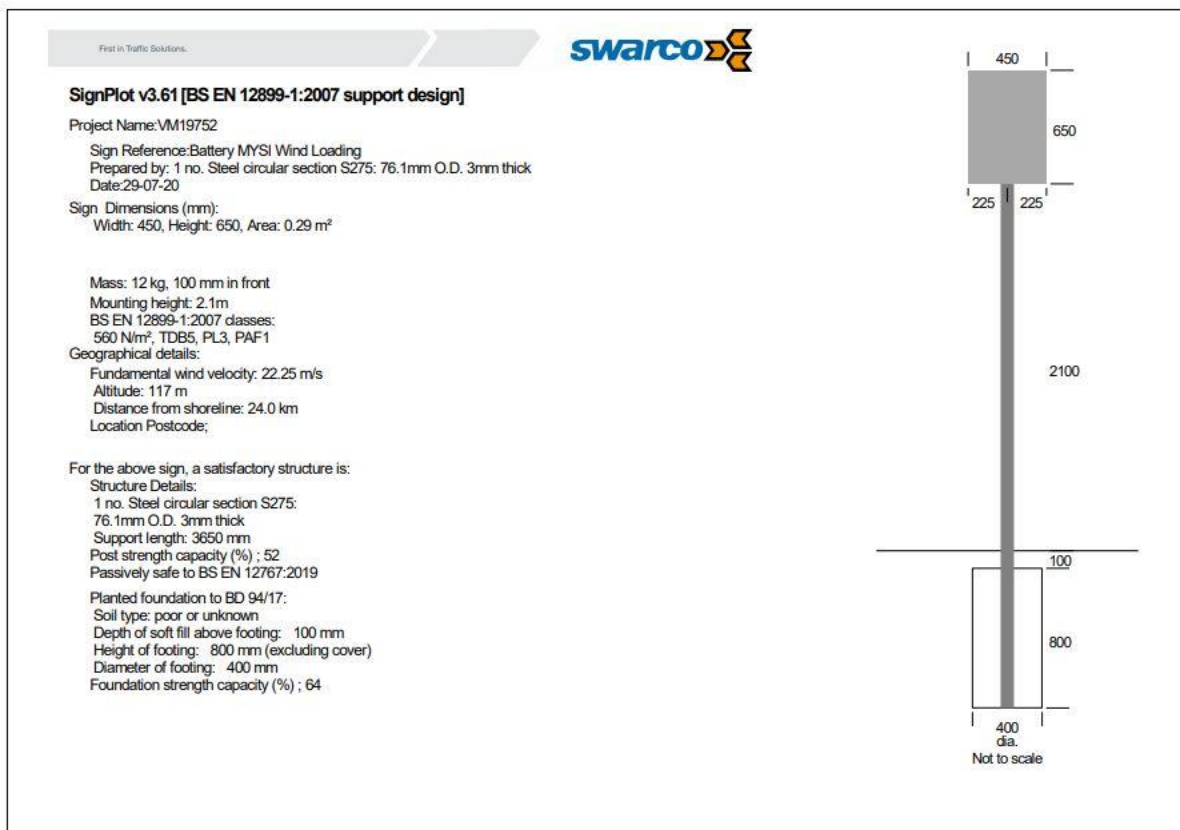
Costs: "... speed indicator device licence will be £58.28 and the other licence will be for the temporary excavation in the highway to install the column/post and or sleeve - this licence is £387.22. There may be an additional cost if Traffic Management is required."

It is **recommended** that the Parish Council agrees to proceed with this project giving due consideration to:

- Number and location of sites.
- Support options (see section 2 above).
- Costs, supplier and source of funds.
- Communication with the community (due to the proximity of one of the proposed locations a brief conversation has been had with one of the owners of Wilderness Wood, who has no objection but will look at the detail when available).
- Licensing compliance and insurance requirements.
- Process of reporting the traffic speed data gathered by the SID.

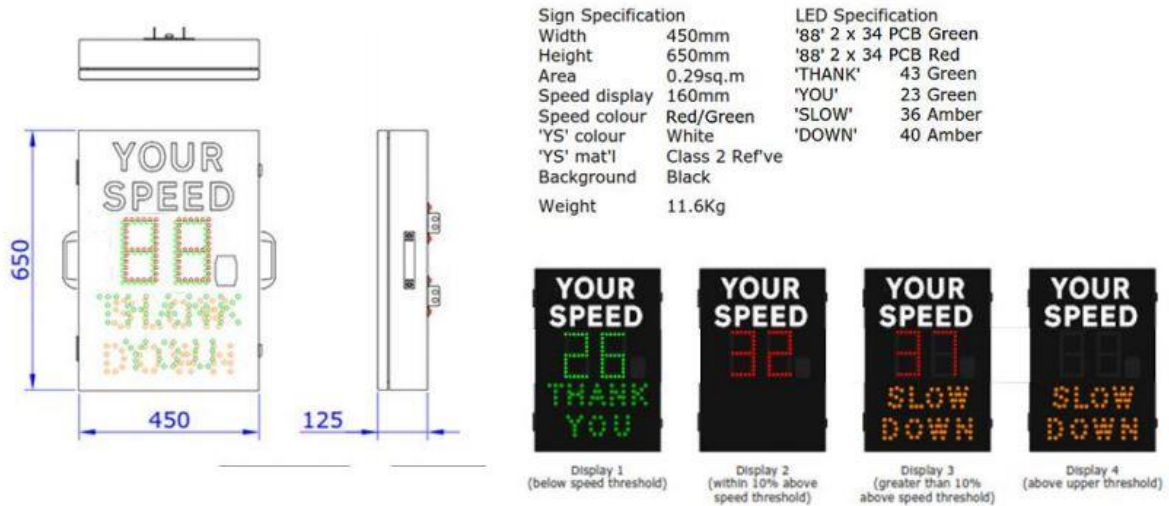
Cllr. Peter Weston
27th August 2020

Pole Specification



Sign Specification Exemplar

BX-16R088-ST-DH SIGN DESIGN



POST INSTALLATION AND FIXING EQUIPMENT

Item	Post Installation Kit	Value £	Qty	Total £
2a	Tamtorque clip, diameter of post to be specified prior to processing order (5 sizes of clip available)	4.00	2	8.00
2b	Post bracket (to be used in conjunction with sign bracket)	15.00	1	15.00
	Total			23.00

Each post that the MVAS4 is to be fixed to requires a Post Installation Kit (left). The 2 no Tamtorque clips secure the post bracket to the post, using the Tamtorque tool available at Item 3b. The sign bracket locates into the post bracket and is secured via the 40mm brass padlock available at Item 3a.

NB = 2 Post Installation Kits required per sign for solar signs.

Item	Post Fixing Kit	Value £	Qty	Total £
3a	40mm Brass Padlock	13.00	1	13.00
3b	Tamtorque tool	19.00	1	19.00
	Total			32.00

Each sign ordered requires a Post Fixing Toolkit (right). This includes a Tamtorque tool to install the sign onto posts using the Post Installation Kit and a padlock to secure the sign to the post.



MISCELLANEOUS ITEMS

Item	Item	Value £	Qty	Total £
4	Heavy Duty Crown Key	11.00	1	11.00
5	MVAS4 Protective Bag	115.00	1	115.00

For multiple sign installations, a heavy duty key is recommended for added durability.

If signs are likely to be carried often or stored for extended periods, a protective bag is available for easier carriage and protection in storage.

Item	Miscellaneous	Value £	Qty	Total £
6	Configured laptop (Minimum Spec - Pentium Processor, 2GB RAM, 250GB HDD, Current Windows OS, USB and Bluetooth)	500.00	1	500.00

The configured laptop will include the current Microsoft Window Operating System at the time of order.

The laptop will be pre-loaded with MVAS Handbook, MVAS Analytics Software Tutorial Video, MVAS Analytics Windows Software and sample MVAS Houston radar 20-30-40 config file.

Each sign configuration will have been tested using the laptop prior to despatch.



SITE SERVICES

Item	Site Services	Value £	Qty	Total £
8	Site survey (1 hour on site to assess site suitability)	160.00	1	160.00
9	Training (2.5 hours on site to complete basic MVAS training, hard copy of Handbook and Radar Stats Manual included)	360.00	1	360.00

Site surveys can be undertaken by SWARCO engineers or sales representatives to verify agreed locations for sign installations in order to maximise the usefulness of the sign display and logged data.

Training can be provided either to a nominated individual or a group to demonstrate the installation and use of the MVAS & MYSI, including data downloading and sign configuration uploading.

****Training is a mandatory addition for all first time MYSI orders****



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WARRANTY AND MAINTENANCE

Description	Warranty Cover (12 Month only)	Warranty Contract (Year 2 onward)	Maintenance Contract (from date of delivery)
Qty Of Preventative Maintenance Inspections Per Year	0	0	1
Costs Of Labour For Unscheduled Visits	Included	Included	Included
Cost Of Replacement Of Faulty Parts	Included	Included	Included
Level Of Response To Faults	5 Working Days	5 Working Days	5 Working Days
Days Of Cover	Working Week Days	Working Week Days	Working Week Days
Telephone Support (office hours only) (Mon-Thur 08:30 - 17:00, Fri 08:30 - 16:00)	Included	Included	Included
Price Per Sign Per Year	1 no	Included	£123.00
	2 no		£287.50
	3+ no		£228.85
			£123.00
			£209.00

All equipment quoted is subject to a 12-month warranty period from the date of delivery. This on-site warranty allows for replacement of equipment failure due to manufacturing defects and systemic component faults. This does not include for wear, tear, accidental damage or vandalism.

STL can provide a price for an Extended On-Site Warranty / Maintenance Contract if required based on the per annum pricing shown below. The pricing shown is based on a location within 2 hours travelling time from the nearest depot – excess travelling beyond this will be confirmed as an additional value per visit on request.

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