

**REPORT TO H&F COMMITTEE
SPEED SIGNS**

1. RECOMMENDATION

Proposal to be submitted to Council to resolve to

- Replace the battery pack and add solar power at existing sign in Stainby
- Install portable sign at North Witham
- Install portable sign at Woolsthorpe
- Replace wired in signage on Bourne Road (facing oncoming traffic from A1)

Actions required:

- Consider with LCC for any permissions required
- Identify volunteers to monitor and recharge each unit
- Confirm up to date costs and discounts

2. BACKGROUND

In February 2022 meeting it was agreed that Cllr Hainsworth could make enquiries regarding road signs as the Vehicle Activated Sign (VAS) at Stainby was identified as needing review (battery not lasting). These signs are not “speed cameras” but act to remind and educate people of the speed limits and have the facility to collect data.

Reserves already earmarked:	£4,977.16
Additional reserves at April 2022 Meeting (as recommended by F&A Committee):	<u>£5,000.00</u>
	<u>£9,977.16</u>

- In the past preferences had been shown for signs that showed actual speed limit with potential for additional message/colour lights reflecting compliance or breach of the speed limit.
- Preferences also suggested solar power on the signs to prolong the time between charging which has to be undertaken by volunteers
- All units are capable of collating vehicle data (not number plates but flow, frequency and speeds)

Several areas have been identified that would benefit:

- Stainby (upgrade)
- North Witham
- Top end of Woolsthorpe Road from Skillington
- Bridge End entering into Colsterworth
- Bourne Road (two existing “wired in” signs are felt to be inadequate as they just flash what the speed limit is rather than an indication as to compliance/breach and no facility for data collection)

3. COSTINGS

Three companies were approached for costs

1. Pandora Technologies Limited Products Archive - Radar Speed Signs	Cost each (Plus VAT) February 2022
Radar speed sign	£1995.00
Radar speed sign with additional ‘slow down’ message	£2145.00
Radar speed sign with additional ‘slow down/thank you’ message	£2245.00
Solar kit This offers a ‘fit and forget’ 24/7 power solution, providing that the solar panel is facing South and is not in major shadow of trees or buildings. The solar kit will need to be fixed using the post fixings provided, each time it is relocated, as it fixes to the post itself and not the sign. However, this is a much lighter piece of equipment	£475.00
Optional data-logging facility and PC based traffic statistics software Collected data, such as average traffic volume and average speeds, can then be downloaded via the USB lead provided, to your laptop PC and takes only a few seconds	£250.00
Spigot bracket system	£280.00

1. Pandora Technologies Limited Products Archive - Radar Speed Signs	Cost each (Plus VAT) February 2022
If the sign is to be moved around it is recommended that a further aid to fitting the sign to each post, is a spigot bracket system	
Carriage One sign and solar pack	£35.00

2. Elan City Traffic management and urban communication solutions - Elan City	Cost each (Plus VAT) February 2022
<u>The EVOLIS SOLAR-MOBILE Pack</u> The fully autonomous Solar powered Evolis radar is ideal for permanent placement or mobile use! It includes a 80 X 94cm, 80W solar panel and two 12V/22AH batteries, one mounting bar, as well as traffic data collection and all the standard pack features.	£2,250.00
<u>The EVOLIS ULTRA-MOBILE Pack</u> - The entirely battery-operated Ultra-Mobile pack with an autonomy of 7 days on average, is ideal for multiple location projects and frequent location rotation. It includes four 12V/22AH batteries, an external battery charger and one mounting bar as well as traffic data collection and all the standard pack features.	£2,200.00
For mobility for the mobile version, it is recommended that additional mounting-bars to be pre-installed at the designated locations	£25.00
STANDARD PACK FEATURES:	
<ul style="list-style-type: none"> • 72cm x 28cm Evolis Radar Speed Sign & Mounting Kit (pole and pole straps not included) • Highly visible 35cm speed digits: 3 rows of tri-color LEDs (or amber-only mode) • Customizable Message Display • Bi-Directional Traffic Data Collection + Comprehensive Data Analysis & Configuration Software • FREE Updates & NO Subscription Fees! • Bluetooth® + Smartphone App 	
2 Year Warranty	

3. SIDSigns UK Sid signs for less, quality UK made speed indication devices.	Cost each (Plus VAT) February 2022
Fixed "Slow Down" speed signs for mains power	£985.00
Fixed "Slow Down" speed signs for battery powered with solar charging	£1,360.00
The Display is a multicolour RGB led array that displays the speed, in real time, of an approaching vehicle together with information messages based on the vehicle's speed. These messages can include a wide range of graphics	
"Your Speed" for mains powered	£1,425.00
"Your Speed" for battery powered with solar charging facilities	£1,800.00
Gives a green speed indication when an approaching vehicle is below the speed limit and a red speed indication + slow down when a vehicle exceeds the speed limit	
Variation of "Your Speed" for mains powered	£1,645.00
Variation of "Your Speed" for batter	£2,020.00
The orientation of the sign from portrait to landscape changes. The speed display is set in the left hand side of the sign and either a green SMILEY face is shown when vehicles are below the speed limit or a red MISERABLE face is shown when vehicles are above the speed limit	
Male and female bracket system which allows the sign to be easily moved from post to post	£135.00
An additional data collection facility is available on all speed signs via a USB connection to enable data extraction from the unit. In conjunction with this facility the speed display can be turned off but the data recording remains live so driver behaviour can be monitored. A Visualisation program is supplied which permits the data to be shown in graphical format	£240.00
Delivery	£55.00

**Cllr Hainsworth
11 May 2022**