LYDIARD MILLICENT PARISH COUNCIL HIGHWAYS WORKING GROUP

SPEED INDICATING DEVICE (SID) PROJECT

INTRODUCTION: Purpose and background
PART 1: LOCATION POINTS AND POLE INSTALATION
PART 2: SPEED INDICATION DEVICE (SID) PURCHASE AND MAINTAINANCE.
Version 5. 12th Jan 2019

PURPOSE

This proposal is to be put to the full Council on 24th January 2019. It has been separated into 2 parts: (1) location and installation of poles with associated costs; and (2) purchase and maintenance of the SID device. Much research has been done on this SID project, in particular by Cllr Montgomery since July 2017.

Subject to advice from the Clerk, this proposal is to be presented to the Parish Council for a Resolution as follows:

RESOLUTION: Council is asked to approve Part 1 of Speed Indicator Device ("SID") Project Proposal (Location Points for Poles) to enable the SID supporting pole location proposals to be referred to Wilshire Council's Community Area Transport Group ("CATG") for technical approval; and to approve the notional cost of the Project of £4,200 consisting of the pole system of £1,200 and the notional cost of a SID of up to £3,000. This latter cost is to be refined by the HWG and Council later in 2019. The Council is advised that implementation of the project is foreseen in the first quarter of 2020.

Procedural requirements

- It is a requirement of Wiltshire Council that the project proposal is presented to the Community Area Transport Group "CATG" for consideration of the technical aspects of SID supporting pole locations.
- It is a mandatory requirement for the pole locations to be approved by WC's engineers through CATG.
- It is a requirement that the Parish Council approves proposals before they are submitted to CATG. Therefore the Council is asked to approve that the matter of pole locations be referred to the next meeting of CATG on 27th February 2019.

A response from CATG may take six to nine months (it is not a requirement to refer the SID type itself to CATG). Therefore, to use our time to best advantage and avoid delay to project implementation it makes good sense to refer the pole location issue to CATG. While we wait for approval from WC, we can research the most cost effective and suitable SID in parallel.

Programme

Implementation with associated expenditure is foreseen in early 2020.

BACKGROUND

At the LMPC meeting on 6 July 2017 several parishioners and councillors raised concerns about increasing traffic routing through the village as development takes place in the wider area, as well as the increasing speed of traffic. In particular, strong concerns were raised about speeding and the danger to pedestrians at Common Platt, Stone Lane, Greatfield, Greenhill, and Hook. Councillors agreed with these concerns. Cllr Montgomery raised the idea of LMPC purchasing an illuminating speed sign or "Speed Indicating Device" (SID). These signs log the number of speeding vehicles and their speeds. This feature could provide data that may enable the parish to get police support for occasional police speed checks

Cllr Montgomery has carried out significant research from late 2017 with two parishes that have already purchased SIDs; Cricklade and Latton & Hindon. The device proposed for Lydiard Millicent is the same as that being used successfully in Cricklade and Latton. It is not proposed to duplicate the research carried out by Cricklade TC that was done to find the best device. However Cllr Montgomery agreed to talk to Cricklade TC and clarify how data is collected and how the SIDs are moved locations and erected (in particular the personnel insurance arrangements). Hindon's representative has said that they have experienced speed reductions of up to 10 mph average when using their SID. Since it is almost two years since the project was first suggested Cllr Montgomery will be checking the latest available devices, their functionality and cost. As stated above, this research will be done in parallel to the submission of pole locations to CATG during early 2019.

Ongoing complaints about speeding traffic continue to be received as at early 2019 by councillors and it is considered by many as one of the most important issues that the Council should address.

PART 1. LOCATION POINTS / POLE INSTALLATION

We reviewed "Speed Indicator Device operational guidance - June 2017"

The requirements for the operation of a SID adjacent to the public highway, are as follows:-

1/ It is preferred that SIDS are mounted onto existing street furniture, poles etc, where there is room and it is safe to do so (there is no suitable street furniture at the required locations in this Parish).

2/ Wiltshire Council do not encourage the erection of permanent roadside poles specifically for SIDS, where as a result of the way the provision of the apparatus works between parishes/the CATG, those poles would then inevitably remain bare with nothing on them for most of the year. Such a practice is contrary to current DoT thinking and policy and also contrary to the aims of the AONB – that covers much of the SW Wilts area. It is also unpopular with the insurance companies when cars etc run into the poles and cause damage all round.

3/ If new sites for SID specific poles are being sought by the parish councils, then they will need the written consent of the Area Highway Engineer and will need to meet the following requirements:-

a) The poles can only be erected temporarily i.e. for the duration of the actual SID deployment only and therefore there must be retaining sockets set into concrete footings in the verge, to allow this. *(Note: for our project this issue will be the subject of directive from CATG as to whether the operational simpler idea of permanent poles would be acceptable).*
b) The installation of such sockets must be carried out by a streetworks accredited contractor.

c) The above locations should not be installed where they may compromise a highway visibility splay.
d) The forward face edge of any installation must be set back by at least 0.5 metres, to lessen the risk of vehicle strike.
e) Any proposed location outside private properties, must have the consent of the owner.
f) The parish stewards must not be requested by parishes to assist with SID installation/removal because it is outside their scope of work and competence.
g) The location of underground services must be established first by a utility search, before any excavation.
h) The parish council remains liable for any future maintenance of the installation, which would include any replacements due to accident damage etc.
i) Should the Highway Authority receive future complaints about the presence of an installation, or it becomes necessary to change the existing highway layout for any reason, WC has the right to have the installation re-located.
j) The poles and all associated apparatus have to be purchased/owned by the local community as their private assets.
k) Community volunteers servicing the apparatus need to conduct their risk assessments and keep those on record and be satisfied that they are covered by insurance under the direction of the parish council. They must wear appropriate high visibility clothing at all times when operating on site. (With regard to proof of insurance cover, the parish council shall provide the Area Highway Engineer with a current copy of a public liability insurance for £5 Million minimum).

HWG also Reference Wiltshire Council September 2017 paper: Wiltshire Practice Note Temporary Speed Indicator Device Site Eligibility and Deployment Criteria (Please Follow the link)
https://cms.wiltshire.gov.uk/documents/s50060/

LOCATIONS

The HWG has viewed the above criteria.

We embarked on surveys to establish appropriate location points of the SID. We chose specific locations for maximum effect having started out with over 14 locations originally. We found:

a) street furniture was not available at points where speeding is a problem; and
b) the possible objections that could arise by fitting to others' services post, access and egress to poles by the services wind loading dangers road and height clearance etc .

We concluded the correct solution was to erect poles exactly where they are needed.

After lengthy surveys we chose 6 locations that represented parts of the parish where speeding is a known problem. The locations are on relatively straight roads where the SID can get an accurate speed reading, and where we can "turn" the SID around to have an equal effect facing in the opposite direction. The locations are also clear of line-of-sight obstructions such as trees.

The 6 locations selected are:

1. Greatfield
2. The Beeches
3. Stone Lane
4. Washpool
5. The Elms
6. Holborn

The 6 locations had traffic cones placed on them for 2 weeks to see if any Councillor or member of the public wanted to comment on the location. Cllr Andre Kayani mentioned the Holborn sign could be further up, but we found that an alternative position did not work especially if we wanted to get optimum use by reversing the sign.

Pictures of the six locations are shown below.













Prior to any works further verification is required (although of course there will be WC engineering input from CATG). Action: 06/01/19 Verify Locations

As stated above, the appropriate solution for this parish is to have permanent pole positions located around the parish. The permanent positions would be concrete foundations into which poles are inserted so that the SID can be moved from location to location. Other parishes have either mobile arrangements (that are not suitable for this parish) or use street furniture (that is not available here).

The 6 location points required status reports, (shown below) done by contacting all the underground services providers to check clearance of underground services. WC's Area Highways Engineer (Martin Cook) advised and helped us get the status reports on each location. One location needs to satisfy a criterion related to a petroleum underground pipeline warning report. Action: 06/01/19 this needs to be satisfied prior to any works

1. Greatfields

Linesearch before dig

Enquiry Confirmation
LSBUD Ref: 13390917

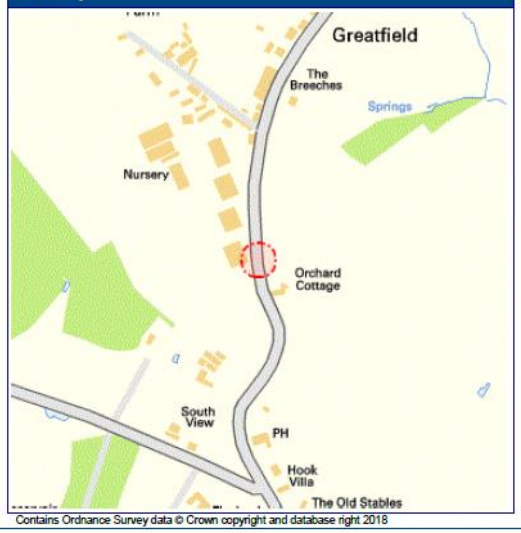
Date of enquiry: 30/07/2018
Time of enquiry: 14:27

Enquirer			
Name	Mrs Sarah Radcliffe	Phone	01225 716679
Company	Wiltshire Council	Mobile	Not Supplied
Address	Wiltshire Council Depot Bath Road Industrial Estate Chippenham Wiltshire SN14 0AB		
Email	sarah.radcliffe@wiltshire.gov.uk		

Enquiry Details			
Scheme/Reference	407760		
Enquiry type	Initial Enquiry	Work category	Highways
Start date	01/08/2018	Work type	Construction/realignment
End date	01/08/2018	Site size	50 metres diameter
Searched location	XY= 407760, 185430	Work type buffer*	25 metres
Confirmed location	407760 185430		
Site Contact Name	Not Supplied	Site Phone No	Not Supplied
Description of Works	Not Supplied		

* The WORK TYPE BUFFER is a distance added to your search area based on the Work type you have chosen.

Site Map



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2. The Beeches

Linesearch before dig

Enquiry Confirmation
LSBUD Ref: 13390944

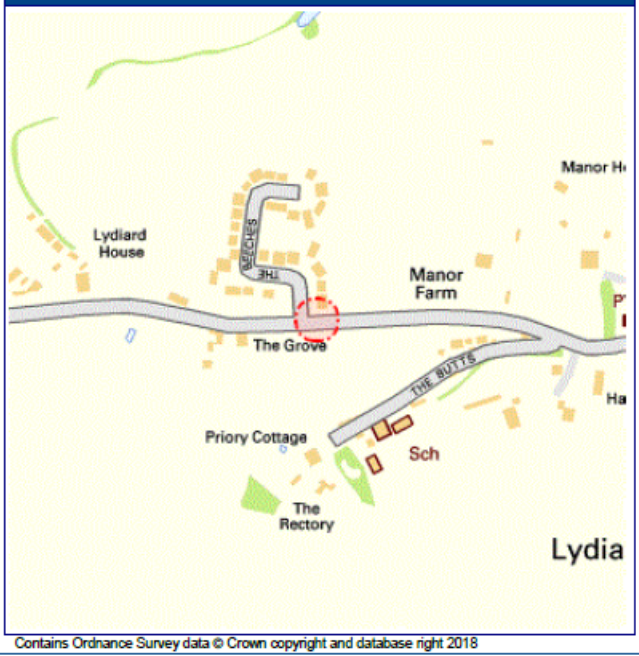
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Time of enquiry: 14:28

Enquirer			
Name	Mrs Sarah Radcliffe	Phone	01225 716679
Company	Wiltshire Council	Mobile	Not Supplied
Address	Wiltshire Council Depot Bath Road Industrial Estate Chippenham Wiltshire SN14 0AB		
Email	sarah.radcliffe@wiltshire.gov.uk		

Enquiry Details			
Scheme/Reference	408985		
Enquiry type	Initial Enquiry	Work category	Highways
Start date	01/08/2018	Work type	Construction/realignment
End date	01/08/2018	Site size	50 metres diameter
Searched location	XY= 408985, 186010	Work type buffer*	25 metres
Confirmed location	408985 186010		
Site Contact Name	Not Supplied	Site Phone No	Not Supplied
Description of Works	Not Supplied		

* The WORK TYPE BUFFER is a distance added to your search area based on the Work type you have chosen.

Site Map



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Linesearch before U dig

Enquiry Confirmation

LSBUD Ref: 13390957

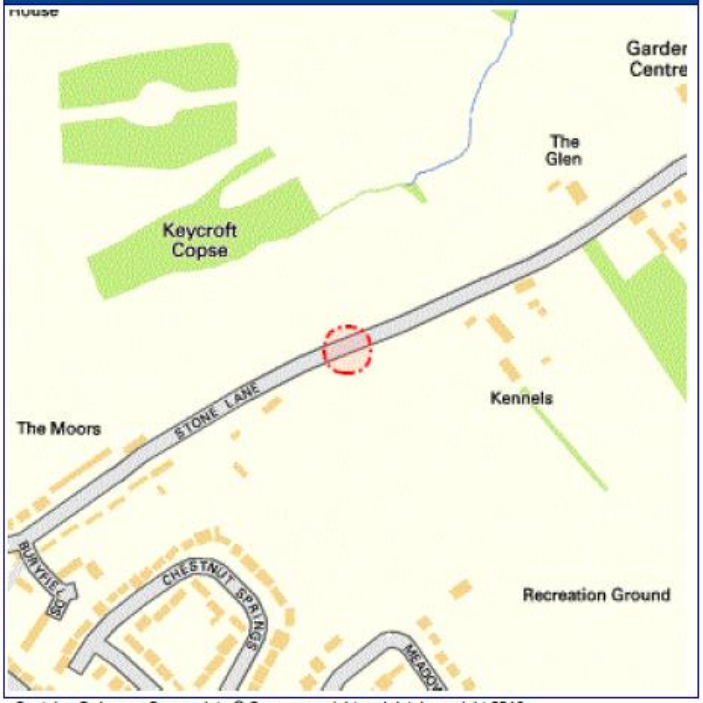
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Time of enquiry: 14:29

Enquirer			
Name	Mrs Sarah Radcliffe	Phone	01225 716679
Company	Wiltshire Council	Mobile	Not Supplied
Address	Wiltshire Council Depot Bath Road Industrial Estate Chippenham Wiltshire SN14 0AB		
Email	sarah.radcliffe@wiltshire.gov.uk		

Enquiry Details			
Scheme/Reference	409860		
Enquiry type	Initial Enquiry	Work category	Highways
Start date	01/08/2018	Work type	Construction/realignment
End date	01/08/2018	Site size	50 metres diameter
Searched location	XY= 409860, 186280	Work type buffer*	25 metres
Confirmed location	409860 186280		
Site Contact Name	Not Supplied	Site Phone No	Not Supplied
Description of Works	Not Supplied		

* The WORK TYPE BUFFER is a distance added to your search area based on the Work type you have chosen.

Site Map



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Linesearch before dig

Enquiry Confirmation

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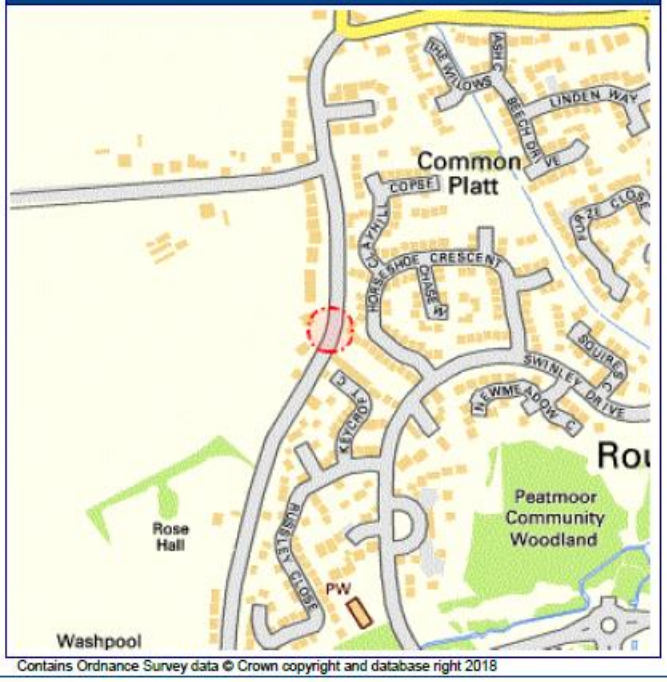
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Time of enquiry: 14:31

Enquirer			
Name	Mrs Sarah Radcliffe	Phone	01225 716679
Company	Wiltshire Council	Mobile	Not Supplied
Address	Wiltshire Council Depot Bath Road Industrial Estate Chippenham Wiltshire SN14 0AB		
Email	sarah.radcliffe@wiltshire.gov.uk		

Enquiry Details			
Scheme/Reference	410975		
Enquiry type	Initial Enquiry	Work category	Highways
Start date	01/08/2018	Work type	Construction/realignment
End date	01/08/2018	Site size	50 metres diameter
Searched location	XY= 410975, 186470	Work type buffer*	25 metres
Confirmed location	410975 186470		
Site Contact Name	Not Supplied	Site Phone No	Not Supplied
Description of Works	Not Supplied		

* The WORK TYPE BUFFER is a distance added to your search area based on the Work type you have chosen.

Site Map



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Linesearch before dig

Enquiry Confirmation
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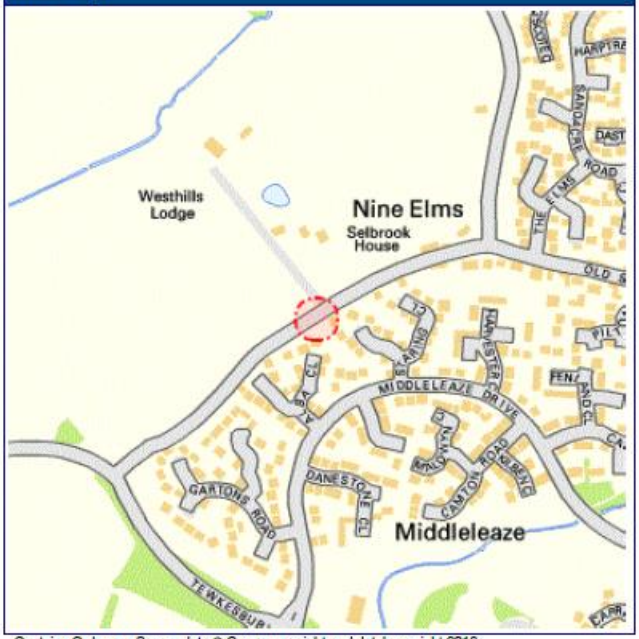
Date of enquiry: 30/07/2018
Time of enquiry: 14:31

Enquirer			
Name	Mrs Sarah Radcliffe	Phone	01225 716679
Company	Wiltshire Council	Mobile	Not Supplied
Address	Wiltshire Council Depot Bath Road Industrial Estate Chippenham Wiltshire SN14 0AB		
Email	sarah.radcliffe@wiltshire.gov.uk		

Enquiry Details				
Scheme/Reference	410690			
Enquiry type	Initial Enquiry	Work category	Highways	
Start date	01/08/2018	Work type	Construction/realignment	
End date	01/08/2018	Site size	50 metres diameter	
Searched location	XY= 410690, 185630	Work type buffer*	25 metres	
Confirmed location	410690 185630			
Site Contact Name	Not Supplied	Site Phone No	Not Supplied	
Description of Works	Not Supplied			

* The WORK TYPE BUFFER is a distance added to your search area based on the Work type you have chosen.

Site Map



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Linesearch before dig

Enquiry Confirmation
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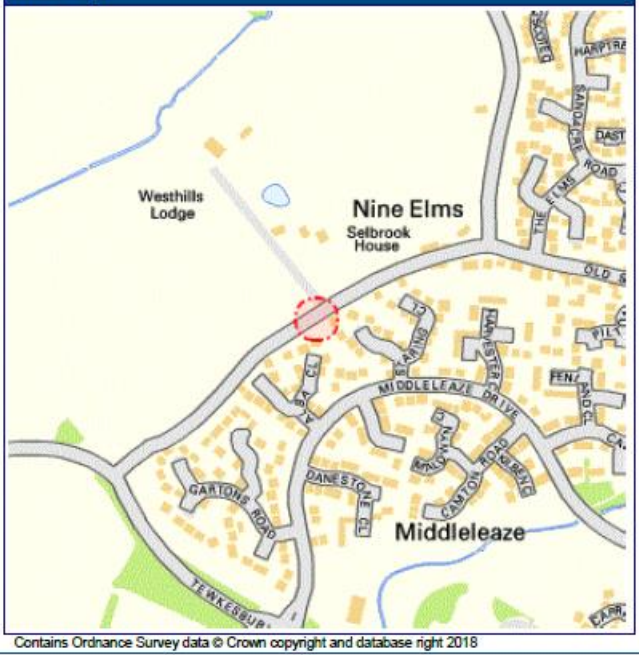
Date of enquiry: 30/07/2018
Time of enquiry: 14:31

Enquirer			
Name	Mrs Sarah Radcliffe	Phone	01225 716679
Company	Wiltshire Council	Mobile	Not Supplied
Address	Wiltshire Council Depot Bath Road Industrial Estate Chippenham Wiltshire SN14 0AB		
Email	sarah.radcliffe@wiltshire.gov.uk		

Enquiry Details				
Scheme/Reference	410690			
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Start date	01/08/2018	Work type	Construction/realignment	
End date	01/08/2018	Site size	50 metres diameter	
Searched location	XY= 410690, 185630	Work type buffer*	25 metres	
Confirmed location	410690 185630			
Site Contact Name	Not Supplied	Site Phone No	Not Supplied	
Description of Works	Not Supplied			

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Site Map



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Page 1 of 4

Action required 6/01/19 Stonelane location is shown as being 30m from its original location and may need to be revisited. Stats only valid for one month and needs to be updated.

COSTS OF POLE SYSTEM

Notional costs are:

600mm (2ft) foundation for a post £70, so 6 foundations £420; add contingency £310. Total for foundations £800.

One 76mm diameter 4 metre post, £60. 6 posts £360. Total incl contingency for larger type: £400.

TOTAL POLE SYSTEM COST: £1,200 including contingencies +VAT

The prices are indicative of Wiltshire Council's contract has with Ringway Ltd. plus generous contingencies.

TECHNICAL INFORMATION

Notes from Leo Cordial Contracts Manager

I have been passed your request by my administration assistant. Thank you for your enquiry, we will however require some further information from yourselves prior to being in a position to provide a quote.
Firstly, we would not use the plastic coated posts as these are so prone to rusting inside the coating which is not always visible, also the protective plastic coating normally gets stripped off by strimmer's which leaves the post vulnerable to premature rusting.
Secondly, we would require the diameter size of the post which is to be used confirmed as there are so many variants of solar panels available and the windage/loading is different on each . The SIDS unit manufacturer should be able to provide this as a guide to you for installation, a 76mm diameter post might not be sufficient hence an 89mm post may be required.
We would also require a full search being undertaken (electronically) to all of the service providers to confirm or deny they have any apparatus in each of the site locations, Martin Cook may be able to assist with this for you but it is a legal requirement for us to have these available prior to breaking the ground surface.
Once you have confirmed the post size and that you would be happy with a post with a bitumen coated root, I will have our Commercial assistant, Sally Goodman, Business Support Manager, format a quote and forward it to you for consideration.
If you have any queries, please feel free to email them to me.
Kind regards

Leo Cordial
Street Lighting & Civils Contract Manager
24 Hercules Way
Bowerhill
Melksham
SN12 6TS
T: 01225 306021
M: 07703 751243
E: leo.cordial@ringway.co.uk
W: www.ringway.co.uk

Traffic Lights.
If road works prevent two-way vehicles due to the restricted width; then signals are required. However with limited traffic flows and the quickness of installing a sign post it ought to be possible to use Stop/Go. After all you are not digging up the carriageway, just digging a 2ft cube hole in the verge. I have been in a meeting this morning when it was quoted that Ringway may require a road closure to carry out works. If Traffic Lights are required because the operatives require a safe working area then daily rental costs apply; somewhere in the region of £300:00 per day. Action: 2 quotes required 6/01/19.

Below is “fly on the wall” observation of a Parish who have obtained SIDS via guidance from Cricklade PC and although not a template, it does explain their application of SID deployment (not in any chronological order). What is to be learned from other parishes is not to lend or share a SID but buy our own,

SID (Speed Indication Device) – all Councillors agreed to sharing a SID with Cricklade Town Council, who will be discussing this issue at the Cricklade Town Council meeting on 19 Nov.

SID update – Latton Parish Council now own their own SID. Peter distributed data showing max speed of vehicles driving through Latton. The maximum speed recorded was 87mph on Sat 17.12.16 at 9.38am! Peter is working on obtaining data to show the busiest time, so that Speedwatch sessions can be arranged for these times. All agreed we should continue on the rota for the shared SID & put this up on the other side of the road. Thanks to Peter.

SID update & training: Latton will have SID from Cricklade on 1 April for 1 month & then on a 3 monthly basis throughout the year. Peter to attend NRSWA Street Works training on 15 March so that he can legally mount SID onto lamp post. All agreed funding for the training.

Action: Peter to organize collection & mounting of SID & pass SID to Marston Meysey at the end of April. Bev to notify Wilts Council of positioning of SID on lamp post.

SID update – Peter reported: SID now reports all traffic both ways. He presented a summary of speeds recorded & there was a pattern of one driver speeding at 5am on Mon-Thurs regularly. Thanks to Peter for his good work. Action: Chris to ask Police to observe vehicle speeding at 5am.

SID update – All agreed £9.50 fee for international bank transfer to purchase SID from Radarlux Radar Systems, Germany at cost of 2766 euros, which is the same as the one recently purchased by Cricklade. Action: Bev to purchase a SID for Latton

SID (Speed Indicator Device) update & training: Latton are sharing a SID (donated by Wilts Council) with Cricklade & Marston Meysey. The SID is currently not working & is with Cricklade who are arranging repair. It is recommended that those erecting SID attend a ‘Street Wise’ training, at a cost of approx £250 per person. Action: Bev to find out details of training for next meeting.

SID update: Peter has installed shared SID in improved location on The Street. Latton would like to buy their own SID. Bev reported the SID recently purchased by Cricklade cost £2951 from Radarlax.

Action: Bev to obtain 2 quotes for 2 self-powered SIDs to be mounted on posts.

SID update – Bev has previously sent out quotes by email to Councillors. The best buy was the SID from Radarlux Radar Systems, Germany at an approx. cost of £2900, which is the same as the one recently purchased by Cricklade. All agreed one Radarlux SID should be purchased. Action: Bev to purchase a SID for Latton

SID update: Peter distributed statistics from recent sessions & reported SID had shown record of 90mph.

Action: 06/01/19 read Latton parish notes to best assist HWG prepare for LMPC meeting.

OPERATING SIDS.

For best effect the SID must be moved every 2-4 weeks rotating from 6 locations. This could be done by a dedicated volunteer and backup, or by a contractor. This will be the subject of discussion at Council when the SID has been selected.

Anyone moving a SID must complete a NRSWA street works Unit 2 course at a cost of about £150, details below.

NRSWA Unit 2
Reading Materials
- Safety at Street Works and Road Works: A Code of Practise
- Avoiding Danger from Underground Services
- New Roads and Street Works Act 1991
- An Introduction to the Use of Portable Vehicular Signals
- Guidelines on the Positioning and Colour Coding of Underground Utilities' Apparatus
- Specification for Highway Works, 'Series 1000'

Map/Directions
Develop Training Centre - Opposite WRC PLC
Contact number
01332 253506
Frankland Road,
Blagrove,
Swindon,
Wiltshire,
SN5 8YF
Action: 06/01/19 Discuss if SIDS be deployed by just one person safely
Action: 06/01/19 Discuss Data retrieval data can be downloaded with vicinity of SID can someone else volunteer to collect data?

PART 2. SID PURCHASE AND MAINTENANCE

[This section to be prepared during the period that the pole locations are being considered by CATG]

Notional SID cost: up to £3,000