



# MVAS4

VM16846v5

Moveable Vehicle Activated Sign Quotation

VM16846V5

11<sup>TH</sup> JULY 2019

Malcom Moss  
Councillor  
Glaphorn Parish Council  
Northamptonshire

T: 01832 272724  
E: malcmoss@hotmail.com

Dear Malcom,

Thank you for your much valued enquiry and for the opportunity to submit a proposal for this project.

SWARCO TRAFFIC Ltd has operated in the UK for 30 years as a specialist supplier of Traffic Technology and associated Electronic Signs.

The Sales Manager assigned to this enquiry is Derek Williamson who can be contacted at [derek.williamson@swarco.com](mailto:derek.williamson@swarco.com) or on 07702 313 597 or if you require any further information.



.....  
Lisa Trout  
Technical Estimator



# SCOPE OF WORKS

This quotation has been prepared based on the supply of the following;

- ▶ 1 no Battery powered Mobile Vehicle Activated Signs to Bx-30r234-SD-BDH (battery not included)

The value for this project is £1,995.00 ex VAT ex-works.

A wide variety of mounting equipment, site services and other options are available, please refer to Supporting Information document for details.



# FEATURES & BENEFITS

The MVAS4 has many features that will benefit your project, including;

The Moveable Vehicle Activated Sign (MVAS) initiative is a locally managed scheme where vehicle activated safety signs can be purchased by the Parish/Town Council and moved around the village to pre-agreed locations, fixed either onto existing posts. By moving the sign around the village, drivers do not become indifferent about the sign as can happen with fixed signs. This helps encourage safer driving and improve road safety in sensitive areas.

The data recorded by the internal MVD (Microwave Vehicle Detection) can be downloaded to a laptop via Bluetooth. This information can be used by local traffic officers and Police when planning routine speeding checks.

The latest version of MVAS features a choice of high capacity Lithium ion or Polymer battery specifications.

This means the sign will operate for up to 20 weeks on a single charge, depending on the specification chosen, over twice as long as similar products on the market.

# TYPE 3 BATTERY MVAS PRICING SCHEDULE

| Item | Sign with Extended Life Battery                           | Value £  | Qty   | Total £  |
|------|---|----------|-------|----------|
|      | Moveable VAS to B3-30r234-SD-BDH specification            | 1,995.00 | 1     | 1,995.00 |
| 1c   | 12v 22Ah lithium ion battery (fitted)                     | 250.00   | 1     | 250.00   |
|      | Delivery (per pallet based on maximum 4 signs per pallet) | 100.00   | 1     | 50.00    |
|      |   |          | Total | 2,295.00 |

## Energy System

The sign quoted to B3-30r234-SD-BDH is powered by a single 12v 22Ah lithium ion battery.

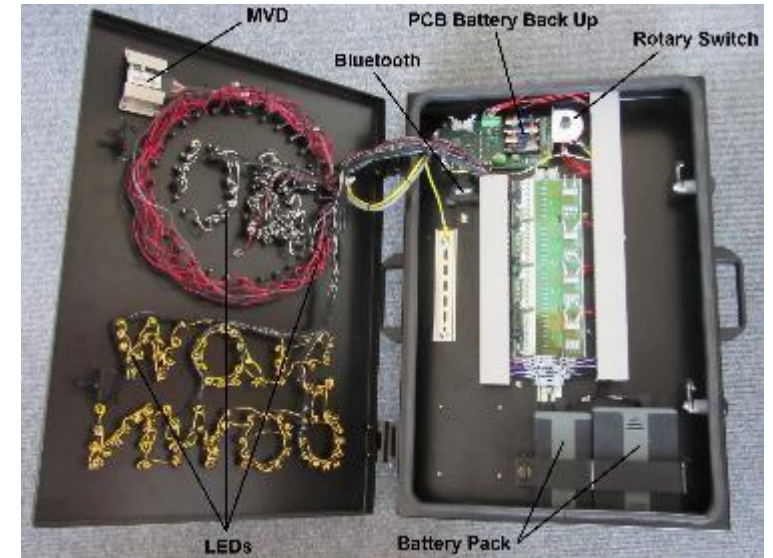
Once the specified battery has been fully charged and installed in the sign, the sign will operate for approximately 10 weeks between charges.

| Item | Additional Battery – Extended Life Specification | Value £ | Qty   | Total £ |
|------|--|---------|-------|---------|
| 2c   | Additional 12v 22Ah Lithium Ion Battery          | 250.00  | 1     | 250.00  |
|      |  |         | Total | 250.00  |

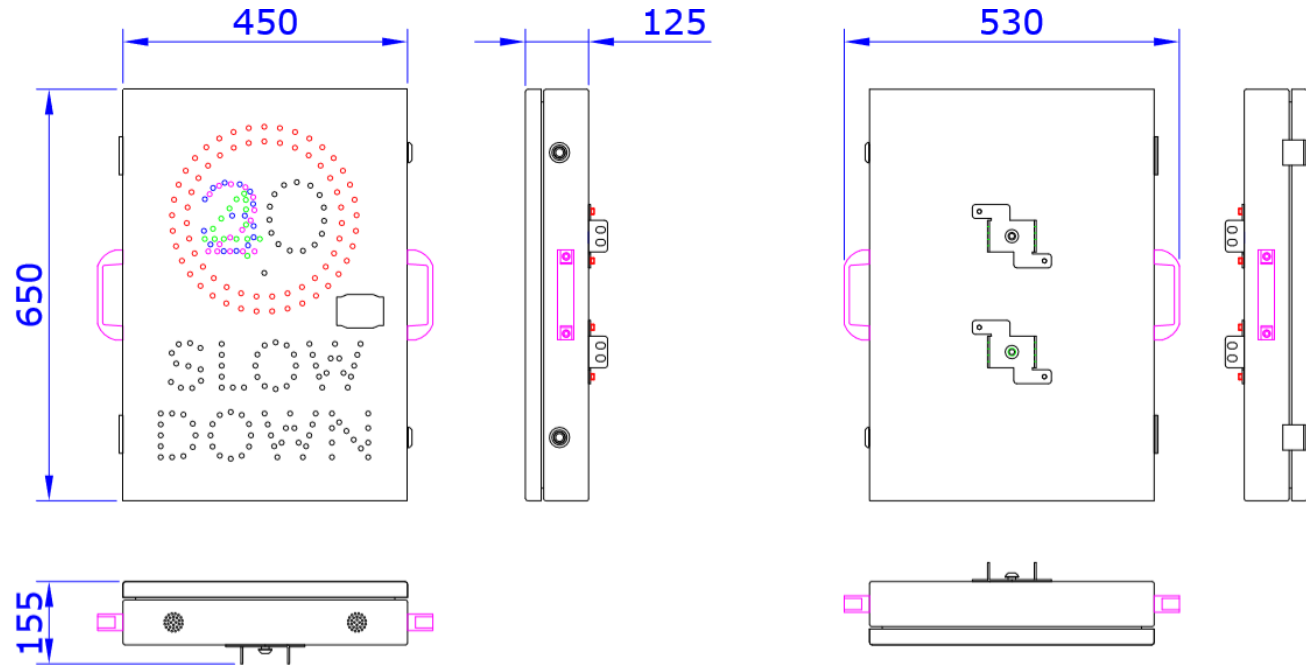
Spare batteries and long-life battery packs are available, at extra cost, so that spent batteries can be replaced without disruption to the operation of the sign.

A standard sign can be converted to an extended-life or maximum life specification simply by replacing the batteries in the prepared position while removing the supplied dummy packer.

Each battery is supplied with a range of mains and DC charger connectors.



# BATTERY MVAS SIGN DESIGN

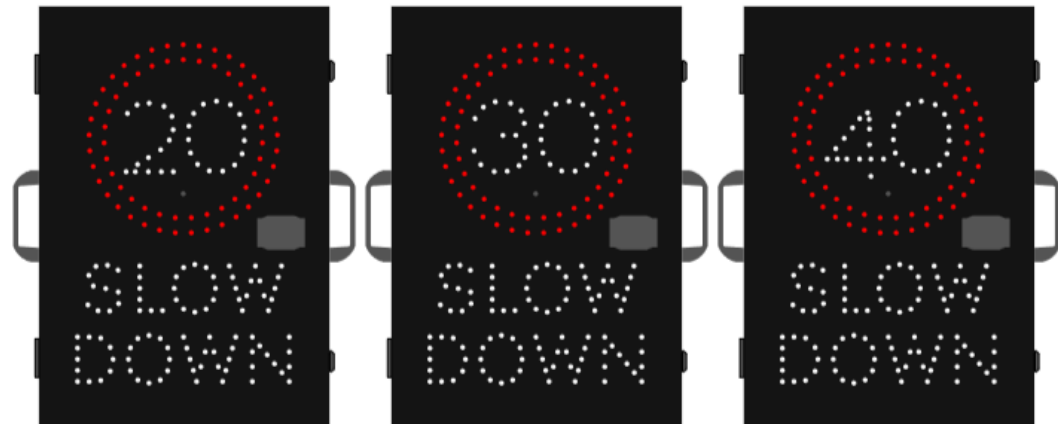


## Sign Specification

|                |          |
|----------------|----------|
| Width          | 450mm    |
| Height         | 650mm    |
| Area           | 0.29sq.m |
| Roundel        | 300mm    |
| Roundel colour | Red      |
| Symbol colour  | White    |
| Letter colour  | Amber    |
| Background     | Black    |
| Material       | LED      |
| Weight         | 11.6Kg   |

## LED Specification

|         |    |       |
|---------|----|-------|
| Roundel | 68 | Red   |
| '2'     | 15 | White |
| '3'     | 15 | White |
| '4'     | 15 | White |
| '0'     | 15 | White |
| 'SLOW'  | 45 | Amber |
| 'DOWN'  | 51 | Amber |



# DATA LOGGING

Data logging is included as standard on all MVAS4 models.

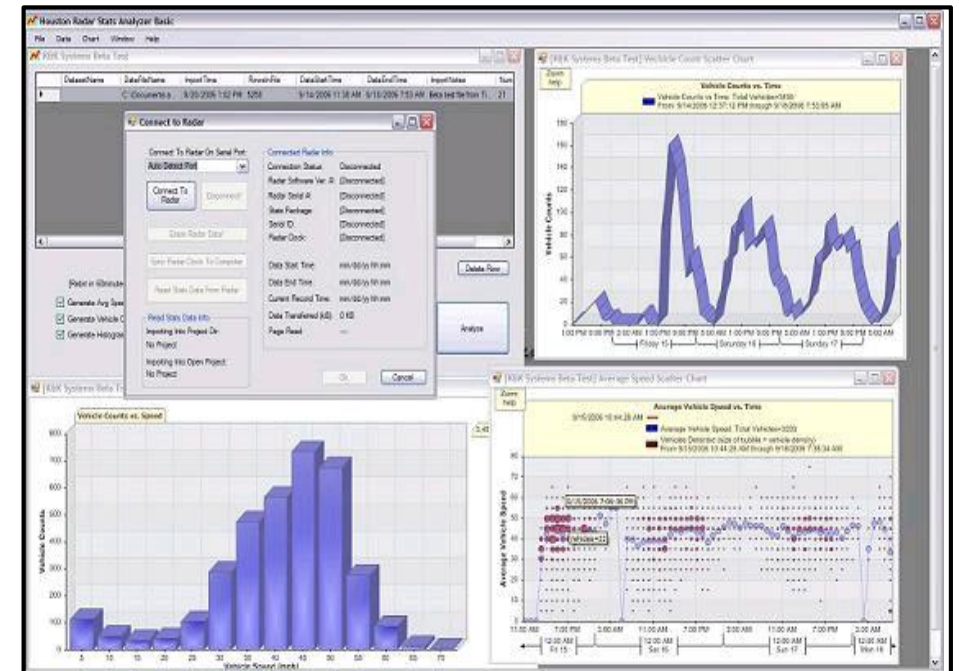
In optimal conditions the radar count accuracy for a single lane approach is +/-10% and +/- 20% on a dual lane approach based on an operational range of 90m.

The Windows © data software supplied with the radar collects the traffic data and offers various options to manipulate the data including export to Microsoft Excel.

Our support website is <https://www.swarco.com/companies/swarco-traffic-ltd> which contains links to manuals and software for vehicle activated signs.

An app is also available from [The Google Play Store](#) that provides download and basic data analysis facilities on any Android device.

**Please note: Data collected from a sign MVD may not be fully representative on vehicle counting, due to queuing or dense traffic occlusion. The data recorded is designed to provide representative traffic behaviour trends for analysis via the software graphical or numerical outputs.**



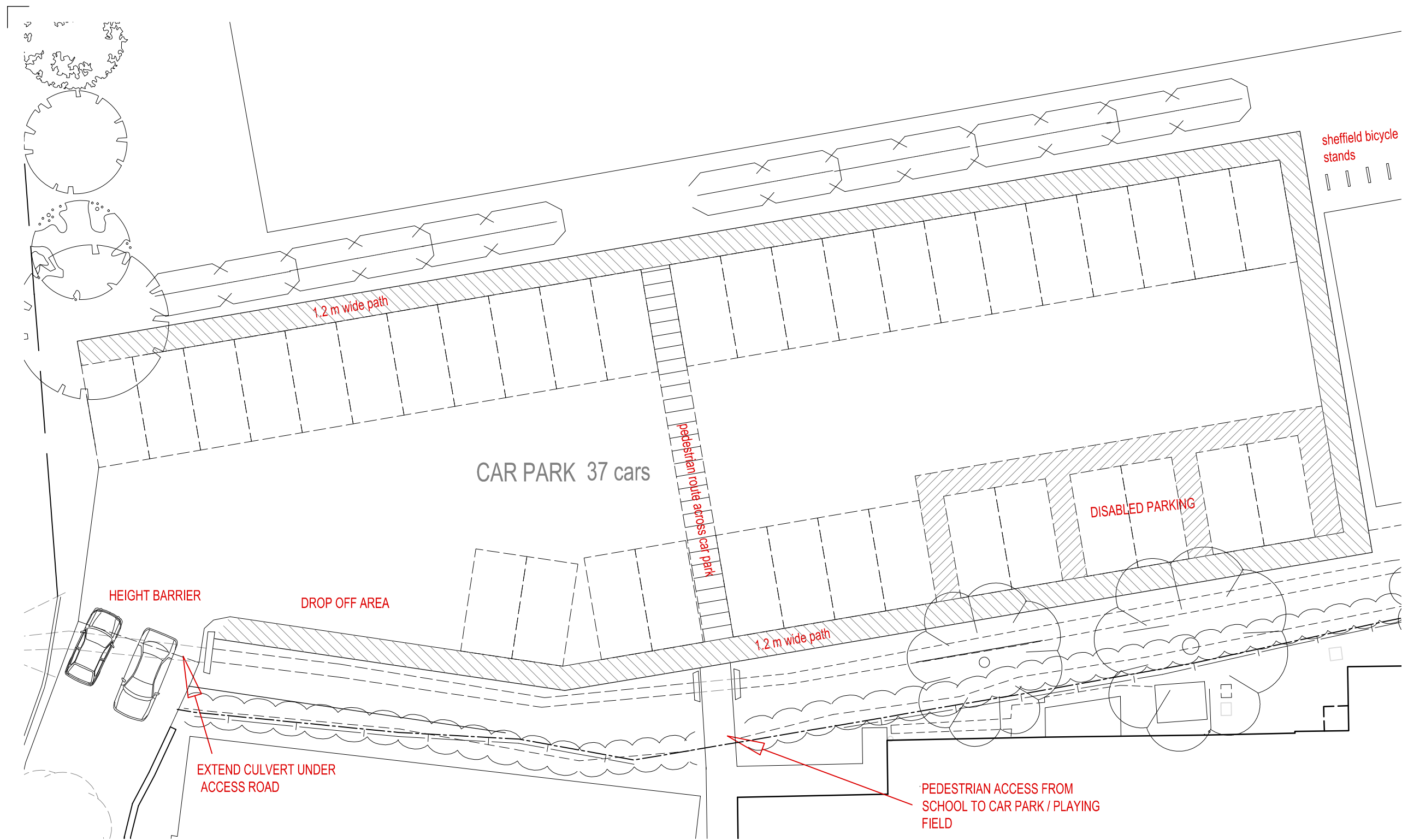
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**NOTES**

37 car parking bays 2.5 x 5.0m.

Additional 6 car parking bays 2.5 x 5.0m plus 1.2m clear area at side and rear for disabled parking.

4 Sheffield bicycle stands.

1.2m wide path around car park perimeter for pedestrians and 1.2m wide marked area across car park for pedestrians.

**PLANNING**

|   |   |             |
|---|---|-------------|
| client  | Glaphorn Parish Council                       |             |
| project   | Proposed Access, Car Park & Recreational Area |             |
| drawing   | Car Park Layout                               |             |
|                                  |   |             |
| Lodge Barn Lindsey Close<br>Woodnewton Peterborough<br>PE8 5EW<br>tel: 01780 470636<br>email: cmpsarchitect@gmail.com |   |             |
| scale   | 1:200 @ A3                                    | drawing no. |
| date  | 19.08.19.                                     | 17.15/09    |

