

## SB.14 STANDARD SURFACE MOUNTED FLOW PLATES

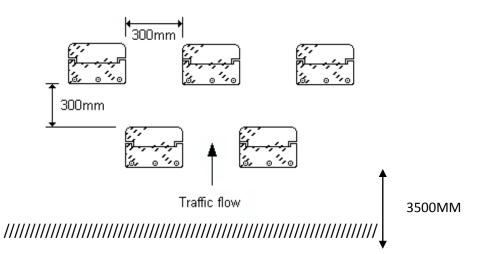
## SB.14 FITTING INSTRUCTIONS

- A. Plates can be fixed direct to concrete or heavy-duty high grade tarmac surfaces by drilling the road way and inserting 6 anchor bolts (75 mm long). NOTE: FIXING STUDS WITH NUTS ARE NOT TO BE USED
- B. For low-grade tarmac surfaces (not highway standard) it is recommended that the installation procedure be as follows:-
- 1. Cast concrete pads 450 x 350 x 250mm deep.
- 2. Drill 6 holes for 12mm anchor bolts 75mm deep.
- Use bolts only and not fixing studs. (Do Not Weld Bolts to Plates)
- 3. The recommended spacing is shown in fig.1.
- 4. No drainage required.
- 5. Speed ramps and 5mph signs are strongly recommended.

## **RECOMMENDATIONS**

- 1. Raise the road surface to restrict approach speed of cars.
- 2. Exclude heavy vehicles from operating the plates. (Maximum load 1 tonne per axle)
- 3. Avoid sitting plates on a convex slope.
- 4. Avoid layouts encouraging cars to approach plates more than 15 degrees out of line.
- 5. Provide good general illumination.
- 6. It is essential that the spring is lubricated/ greased on a regular basis and debris removed from under the flap.

Fig.1.



## **RAISED ROAD SURFACE**