

# INSTRUCTIONS FOR LIGHT WEIGHT ROAD PLATE



## 1.0 General Information

The plastic road plate is a lightweight, modular system with individual units linked together and long lasting. The lightweight road plate ramp design helps slowing down traffic for increased safety. It also has retroreflective panels added for maximum visibility. The road plate has no trip hazard for pedestrians and in residential areas. The anti-slip surface provides secure pedestrian access and the flexible edge dampens any unwanted sounds.

## 2.0 Specifications

Length (m)	Width(m)	Height (mm)	Speed rating (mph)	Single Wheel load (kg)	Unladen weight (kg)	Transportation
1.5	0.5	75	10	6000kg at 700mm	42 each	2 Man Lift

## 3.0 Safety guidelines

- Only qualified, authorised personnel should be allowed to lift and install this road plate.
- PPE must be worn such as hard hat, safety gloves, safety boots and safety goggles. This must be determined according to the site specific risk assessment.
- The operative should be trained and assessed competent.
- The operating instructions should be always available.
- All the ratings should be legible on the road plate.

## 4.0 Instructions

**The Traffic Sign Manual Chapter 8 Part 2 states:**

**03.16.13:** The use of road plates may be appropriate to bridge excavations in order to open the carriageway to traffic for example during traffic sensitive periods and should be used following a site specific risk assessment. The plates must be rigidly secured to the road surface and must either be sunk into the surface or suitable bitumastic material used to provide a ramp to plate level. Appropriate ramp & speed warning signs should be used; see paragraph **03.16.8.**



1) Measure the trench width with a measuring tape to make sure the road plate is suitable. Make sure the trench does not exceed 700mm.



2) Lift the road plate in place. The lift is a 2 man lift. Each road plate is fitted with heavy-duty linking brackets that lock easily and securely together. Join the plates together: slightly tilt them at an angle until the bracket fits into the heavy-duty linking brackets that lock easily and securely together when laid flat.



3) The gravity drop pin feature are to increase lateral stability.

4) Finally the system is secured by position both end units, using a minimum 2no M16 fixings, bolted to the ground. (M16 bolt suitable for appropriate surface concrete or tarmac).

5) Removal: Release the securing bolts. Care must be taken not to damage the link brackets. Pivot the plate being removed by approximately 30°, this will disconnect the link bracket and allow the plates to be parted without damage, repeat as necessary.

## 5.0 Maintenance

Should any faults or damage occur to the road plate, please remove from service contacting or returning to your nearest Smiths Hire Depot.

**This road plate must not be modified or disassembled**