1. Objective and Scope

To describe how to correctly install Saferoads Wheel Stops

2. Safety:

Working on or beside a roadway is inherently dangerous.

3. Personal protective equipment (PPE)

The following is mandatory PPE.

Boots

Eye Protection

Ear Protection

Hi Viz

Gloves

Protective Clothing

4. Equipment Required

a) Compressor with air nozzle;
b) Epoxy and gun (refer SDS)
c) Hammer drill and bits;
d) Chemwatch 4918-30;
e) Industrial vacuum cleaner;
f) Traffic Management Equipment;
g) Generator; and
h) Minor hand tools

5. Qualifications and Competencies

a) Safe use of hand tools;
b) Manual handling; and
c) Road traffic management.

6. Documentation and Setup

a) Ensure that the selected installer provides a copy of Public Liability Insurance, WorkCover, SWMS and plant service records. (No documentation - no job).

b) Contact Dial before you dig; if required (recommended);

c) Ensure you are at the correct location and set up traffic control is to Australian Standards, or as advised and required by the client.

7. Positioning of Wheel Stop

a) Position the Wheel Stop on to a cleaned road surface, as per site plan provided.

8. Fastening to pavement

a) Using a drill with a 14mm masonry bit, drill 120mm deep holes through the designated points in the wheel stop.

9. Fastening to pavement

a) Using an industrial vacuum cleaner or air gun remove dust from each hole; and
b) Note: if using an air gun be careful of airborne dust and stones.

10. Fastening to pavement

a) Using epoxy and a caulking gun, insert nozzle into each hole and insert epoxy; and
b) Saferoads recommends 3 caulks per hole.

c) Note: the epoxy dries very quickly in warm weather so it is important to cap the nozzle with cling wrap between uses to prevent it from drying hard inside the nozzle.

11. Fastening to pavement

a) Insert the nylon plug into each hole using a hammer; and
b) Note: be careful of splatter of any excess epoxy when hammering.

12. Fastening to pavement

a) Quickly re-instate the segment into the correct position, lining up the fastener holes.

Note: the epoxy can quickly set hard in warm weather making it difficult to screw in the coach bolt.

13. Fastening to pavement

a) Insert the coach bolt and hand tighten.

14. Fastening to pavement

a) Using the air compressor and rattle gun, drill in the coach bolt with a 17mm socket screw, being careful not to tighten it all the way; and
b) Note: the coach bolt will rotate the plastic sleeve in the holes if over tightened mechanically. This will undermine the epoxy adherence to the side walls of the hole, rendering it ineffective.

15. Fastening to pavement

a) Finish tightening coach bolts using a ratchet socket wrench with a 17mm socket; and
b) Note: be sure to complete this step not too long after the previous step as the epoxy will set too hard and prevent tightening of the bolt.

16. Insert rubber plugs

    a) Insert the rubber plugs into the holes.

17. Finish

    a) Sweep up any excess dirt or debris from the site and collect any left-over parts; and
    b) Ensure that the Wheel Stop is firmly secured

18. House Keeping and Final Checks

    a) Safety Checks:

    - Housekeeping practices adhered to and worksite is left clean and safe; and
    - Items have been fitted correctly and safely.

    b) Quality Checks:

    - Workmanship is to specification;
    - Materials quality is acceptable;
    - Unused materials are removed; and
    - Quality checks performed

    c) Environment Checks:

    - Surrounds are restored to prior condition; and
    - No spillage and/or damage to any soil, habitat, atmosphere or drainage

SOP REVISION UPDATES

Rev 7 dated 08/10/2020

a) New format
b) New process owner

Rev 6 dated 05/04/2018

a) New format
b) Inclusion of Revision Details
c) Reference included for Housekeeping and Final Checks.