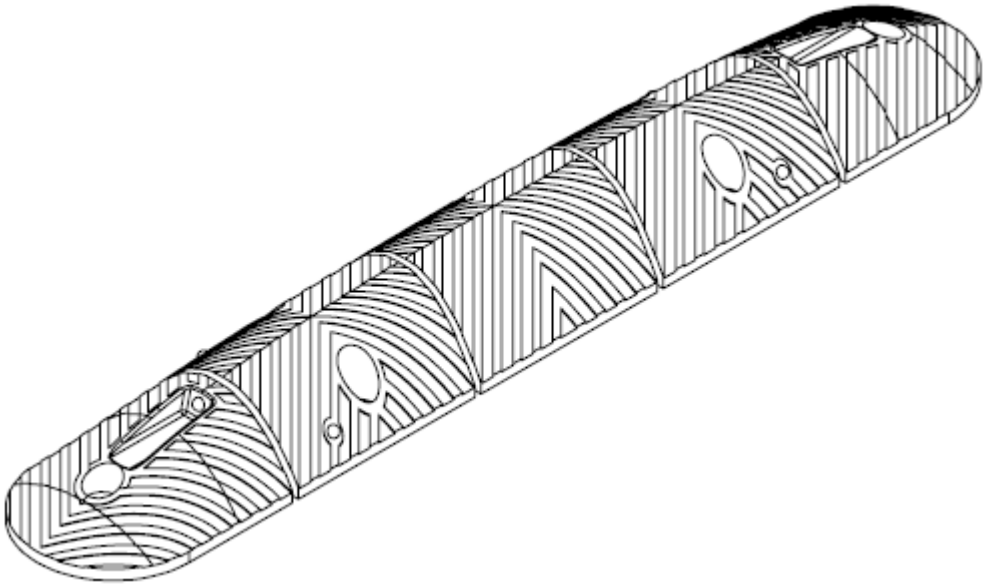
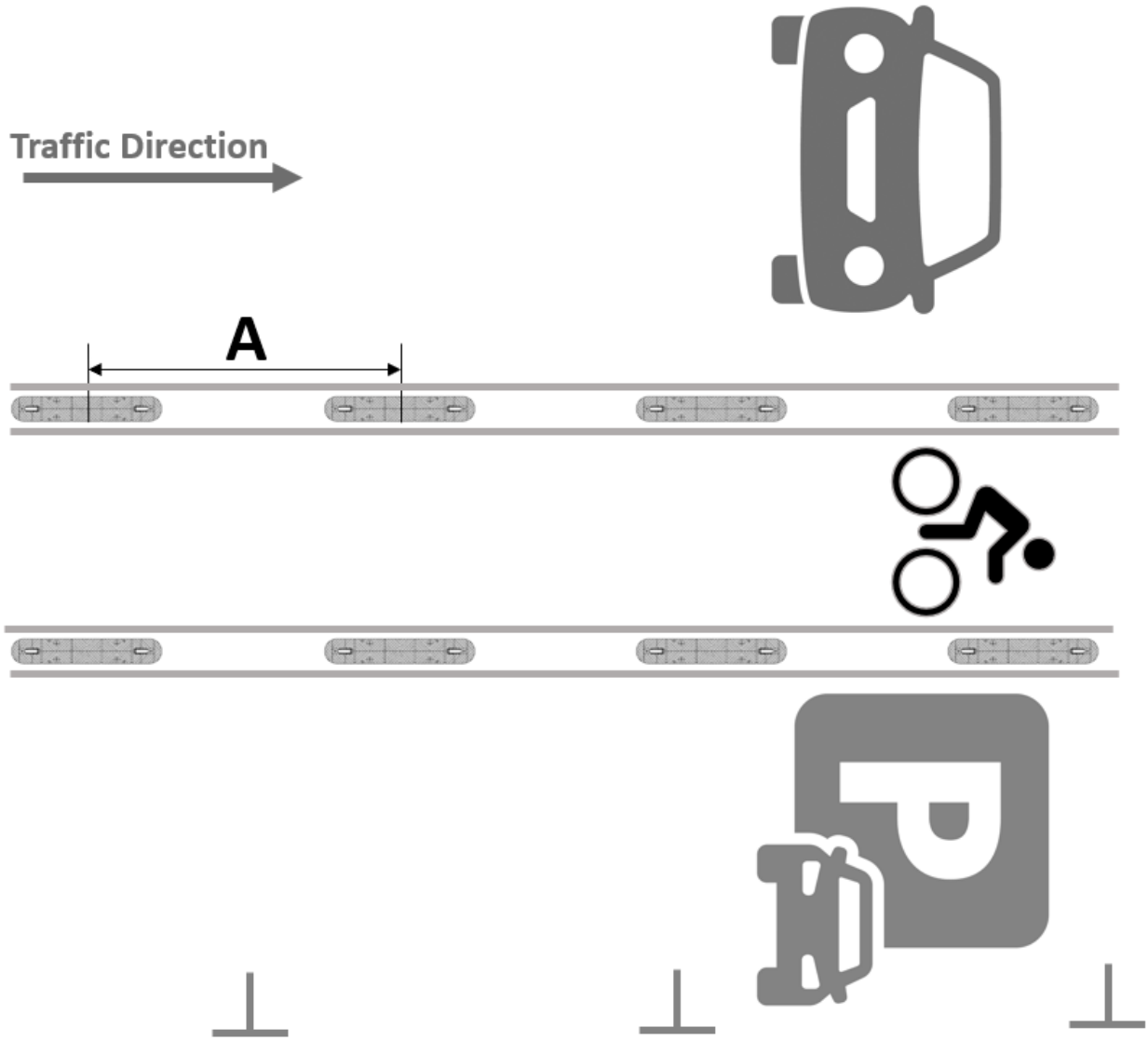
Installation Instructions:
3” High Crossover Premium Rubber Bike Lane Delineators / Glue-Down



Site Safety:

Before installation, ensure work site is safe. If necessary, block off the roadway to prevent vehicle and pedestrian access, use appropriate signage and work barricades to delineate the work area. Ensure electric power leads and hand tools are in safe, good working condition and only used as per manufacturer’s specifications. Remove any potential trip hazards, and use appropriate personal safety equipment (safety gloves, safety glasses, safety boots, etc.).

Potential Application:

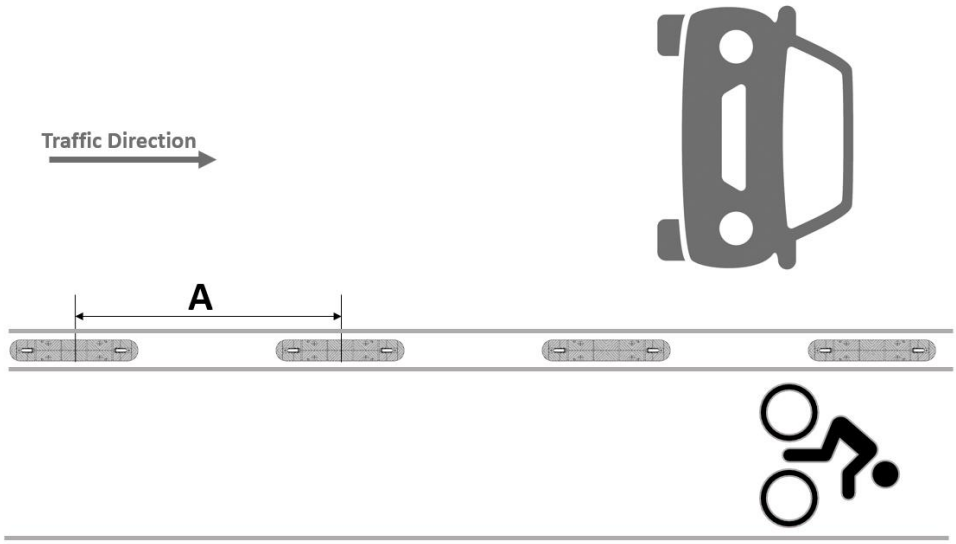


The 3” High Crossover Premium Rubber Bike Lane Delineator is designed to slow down vehicles to 1-2 mph and allow vehicles to crossover slowly and safely into roadside parking spaces or right-turn lanes. For applications that do not require vehicles crossing over, check out Treetop’s 5” High Curb Premium Rubber Bike Lane Delineators.

Potential Configurations of Premium Bike Lane Delineators:

Parallel Position:

Best when roadway spacing is limited. Premium Bike Lane Delineators are placed parallel to and between both the designated bike lane and roadway.



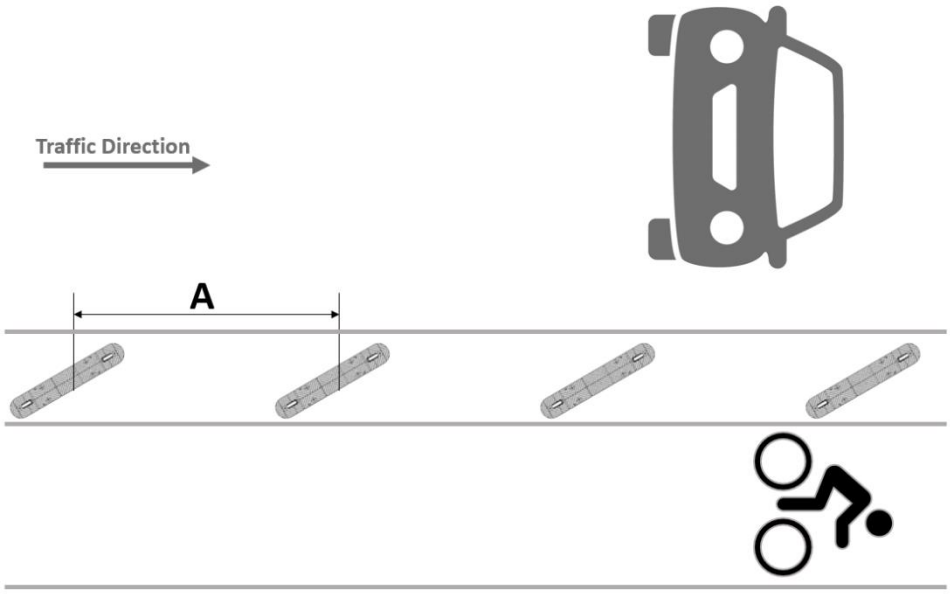
The parallel positioning of TreeTop Premium Rubber Bike Lane Delineators is most suitable when there's limited available buffer zones (i.e.; painted lines). To ensure optimal safety, it is recommended to maintain a spacing between centers (A) of 6ft between the delineators, while not exceeding 8ft.

For heavily trafficked areas and near intersections, it is recommended to maintain a spacing between centers (A) of 3ft between the delineators, while not exceeding 6ft.

Smaller gaps between the delineators make it more challenging for vehicles to encroach on the bike lane, thereby enhancing cyclist safety.

Oblique Position:

Best where there is sufficient space to increase the distance between the bike lane and roadway. Premium Bike Lane Delineators are placed on an X - Y angle between the bike lane and roadway.



The oblique positioning is recommended when you need to create a wider buffer space for enhanced safety in the bike lane. A wider buffer zones (i.e.; painted lines) contributes to greater safety for cyclists. To ensure optimal safety, it is recommended to maintain a spacing between centers (A) of 6ft between the delineators, while not exceeding 8ft.

For heavily trafficked areas and near intersections, it is recommended to maintain a spacing between centers (A) of 3ft between the delineators, while not exceeding 6ft.

Smaller gaps between the delineators make it more challenging for vehicles to encroach on the bike lane, thereby enhancing cyclist safety.

Glue-Down Method for Bike Lane Delineator Installation

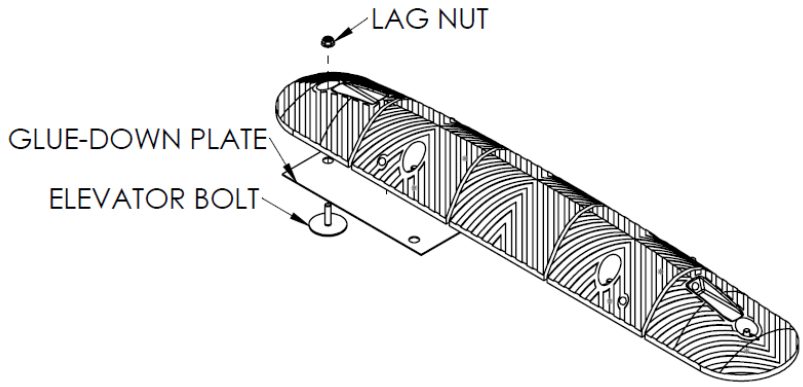
Recommended for installation on concrete surfaces where a strong, permanent bond is required.

Tools Required:

- Gloves and safety glasses for protection
- Broom or leaf blower for cleaning the installation area
- Paint mixer drill attachment for preparing the epoxy
- Two-part epoxy adhesive for bonding
- Empty bucket for mixing epoxy
- Paint stick or similar tool for applying epoxy
- Socket wrench for tightening lag nuts
- Traffic cones or barricades to secure the installation site

Hardware:

- 3" High Crossover Premium Rubber Bike Lane Delineators Glue Down Kit
    - Including two steel plates and six elevator bolts
- Six lag nuts for securing the steel plates



Installation Steps:

1. **Preparation:** Clean the installation area with a broom or leaf blower. Remove oils or residue with soap or solvent and allow the concrete surface to dry completely. For improved bonding, power-wash or sand-blast the surface.
2. **Assembly:** Insert elevator bolts through the steel plates, and then through the bottom of the bike lane delineator via pre-drilled holes. Use two plates per bike lane delineator.
3. **Securing Plates:** Place lag nuts over the elevator bolts and tighten with a socket wrench. Avoid over-tightening.
4. **Positioning:** Place the bike lane delineator in the desired location.
5. **Preparation for Gluing:** Flip the bike lane delineator over next to the installation spot. Protective gloves and safety glasses are necessary during this step.
6. **Applying Epoxy:** Mix the two-part epoxy according to the specification sheet. Apply approximately 1-2 oz. of epoxy onto each steel plate.

7. **Installation:** Flip the bike lane delineator back into place. Walk on top of delineator to ensure to ensure a strong bond between the epoxy and concrete surface.
8. **Finalizing:** Cordon off the area with traffic cones or barricades until the epoxy has fully cured, as per the instructions on the epoxy package.

Epoxy Coverage: (Based on optimal conditions, please use only as a reference)

- 2.65 oz needed per bike lane delineator.
- Or 12 bike lane delineators per 1 quart (2-part quart system)

Removal Instructions:

Loosen the hardware and lift the bike lane delineator to remove. The steel plate and elevator bolt will remain attached to the concrete. To remove these, use a hand chisel and hammer. Soaking the epoxy in paint thinner, acetone, or mineral spirits may aid in removal.

Application Instructions

(Safety precautions specifically for the epoxy from TreeTop Products)

Concrete Preparations:
Remove all oil, grease, or contaminated concrete. Chip the surface down to sound aggregate. If chipping, grinding or sanding needs to be done, ensure all dust and residue is cleared before applying epoxy. Failure to do so will create a weak bond and the adhesion may fail. The concrete must be dry and have no standing water. Acid etching surface preparation procedures may result in poor bond and should be avoided. Do not prime or seal concrete surfaces.

Clean-Up:
Uncured Premium Two-Part Epoxy can be removed from tools and equipment with non-flammable isopropyl alcohol, xylol or ketones.

Safety Precautions:
Avoid breathing of vapors. Forced local exhaust is recommended to effectively minimize exposure. NIOSH approved, organic vapor respirators and forced exhaust are recommended in confined areas, or when conditions (such as heated polymers, sanding) may cause high vapor concentrations. **DO NOT WELD, BURN OR TORCH NEAR, OR ON, ANY EPOXY MATERIAL. HAZARDOUS VAPOR IS RELEASED WHEN AN EPOXY IS BURNED.** Avoid skin or eye contact. Wash skin with soap and water if contact occurs. If eye contact occurs flush with water for 15 minutes and obtain medical attention. Read and understand all cautions on can labels and safety data sheets before using this material.