



Project: Replacing the arch bridge Veestraat Stein

Performance : Augustus 2019

Contractor: BLM Wegenbouw BV

Engineering: Ducot Engineering & Advies



61.880 recycled plastic bottles processed

Prevents accelerated aging and corrosion of the bridge structure

Rainwater leaves the road surface directly through this innovative bridge drainage system.

- 182 recycled plastic bottles processed per unit.
- Prevents aquaplaning.
- Direct drainage prevents rainwater from damaging the bridge structure.
- Easy maintenance from the road surface.
- Lightweight units provide cost savings during installation and also weight savings on the bridge deck.

Product profile

Bridge Drainage

- ✓ Easy connection to sewage system.
- ✓ Lightweight and therefore cost-saving in several respects.
- ✓ Material: composite of recycled PE.
- ✓ Certified according to EN1433.
- ✓ Weight category D400.

How did Bridge Drainage support this project?

Bridge Drainage's professional technical staff, together with engineering firm Ducot and contractor BLM Wegenbouw, provided the drainage engineering and technical drawings. Bridge Drainage also supported the contractor during installation.

Advantages over regular drainage

- Prevents aquaplaning by direct water drainage.
- No piping under the bridge deck.
- Discharges water before end of bridge.
- Drainage over the waterproofing layer.
- No holes through the concrete structure.
- Lightweight.
- Easy maintenance from the road surface.



Bridge Drainage on location

182 recycled bottles per unit



Bridge Drainage Unit



From the roadbed

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