



**Project:** viadukt aduurd provincie Groningen

**Performance:** Augustus 2017

**Engineering:** IDS-Group

**Contractor:** KWS infra



## Drainage problem solved after design and during construction of viaduct and embankments

**Maintain the drainage of a bridge entirely on the bridge deck and integrate the drainage into the sidewalk? Benefits of this project:**

- **Bridge Drainage composite** drainage system integration into the design;
- **30 cm** space saving in width;
- **Maintenance** on bridge deck;
- **Weight saving;**
- More efficient drainage;
- **220,000 recycled plastic bottles** incorporated into this project.

### Product profile

Bridge Drainage composite



**350 recycled bottles per unit**

- ✓ Easy connection to sewer system
- ✓ Lightweight and therefore cost effective in several ways
- ✓ Material: composite of recycled PE
- ✓ Certified to EN1433
- ✓ Weight category D400

### How did Bridge Drainage support this project?

In cooperation with the engineering firm, Bridge Drainage detailed and elaborated the bridge drainage in the relevant bridge design. Before the tires were placed, Bridge Drainage gave instructions to the tradesmen and the contractor how the products should be processed and placed.

### Advantages over regular drainage

By integrating the drainage system into the drainage kerbs, this bridge could be realized 30 cm slimmer. Many points were also scored in the EMVI by being able to carry out the maintenance of the drainage system entirely on the bridge deck. In addition, 300% weight was saved in the drainage kerb line.



Integration drainage in rws detail



3-in-1 solution



Composite

Technical department  
+31 (0)6 10 33 84 78

Inside sales department  
+31 (0)6 11 13 13 82

Reception  
+31 (0)46 207 70 04  
[info@bridge-drainage.com](mailto:info@bridge-drainage.com)

 **BRIDGE  
DRAINAGE**

[www.bridge-drainage.com](http://www.bridge-drainage.com)