



Project: A99 München
Implementation: Juli 2019
Contractor: Max Bögl
Engineering: Konstruktionsgruppe Bauen AG





Accelerated rainwater runoff from porous asphalt, increases traffic safety

Features of this projects

- **814 recycled plastic bottles** processed per unit;
- Rainwater leaves the road deck by a direct path
- The direct drainage prevents the rainwater from damaging the bridge **structure and reduces aquaplaning**;
- **Easy maintenance** from the road surface;
- **Lightweight** units provide **cost savings** during installation installation and weight savings on the bridge surface and bridge surface;
- **Easy connection** to the sewer system.

Product profile



Bridge Drainage

- ✓ Lightweight
- ✓ Material: Composite material made of recycled PE.
- ✓ Certified to EN1433.
- ✓ Weight category D400
- ✓ With drainage holes in the porous asphalt.

Advantages compared to regular drainage

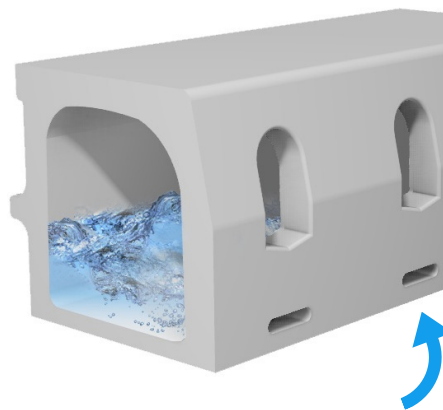
- **Prevents aquaplaning**, increases road safety, by draining the water in the porous asphalt directly from the asphalt is drained away;
- **No pipes** under the bridge deck;
- Drains the water before **the end of the bridge**;
- Drainage via the **waterproof layer**;
- **No holes** through the concrete structure;
- **Weight saving**;
- **Environmentally** friendly: 63,000 recycled plastic bottles were used in this project.

How did Bridge Drainage support this project?

Bridge Drainage's technical experts worked with the engineering firm Konstruktionsgruppe Bauen AG and the construction company Max Bögl to prepare the drainage engineering and technical drawings. Bridge Drainage also supported the construction company by providing advice during installation.



Explanation on site



Additional drainage option for porous asphalt layer



Bridge drainage units from the road surface

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