

# Stormwater – Grated Trench Drains – Global Brand Improvement

## Opportunity:

Grated trench drains help to manage **surface flooding**. Nationally and internationally a range of grated trench drainage systems are available. A range of ‘varieties’ exist at the AMA Motorway Network. Traditional grated trench drainage systems present a range of **risks** including:

- Safety risk of flying objects if grate becomes dislodged.
- Small grate apertures are susceptible to blockage causing flooding.
- Pavement overlays that can damage slot drains.
- Poor robustness against pavement milling operations.
- Fine tolerance fastenings mean additional parts and special tools required for operation. Small/fiddly bits are not desirable during night works under traffic control in dirty conditions.

## Solution:

Positive engagement and collaboration between the **AMA** and globally reputable brand **ACO** has resulted in the development of a new grated trench drain product that is suitable for motorways and heavily trafficked and constrained environments, the **ACO TraffikDrain™ System with HiFlo PowerLok grates**.

## Estimated Results:

- **Improved reliability and function** of hydraulic performance with much larger aperture slots being less susceptible to blockage and flooding .
- **Improved safety** for motorists and operators having a robust, reliable and simple boltless fastening mechanism for the grate.
- **No special tools** or special parts are required for operations
- **Quick and easy** to install and to operate

## Contributors:

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| KRA                  | Increase |
|----------------------|----------|
| Maximise Efficiency  | Yes      |
| Customer focus       | Yes      |
| Positive Legacy      | Yes      |
| Value for Money      | Yes      |
| Healthy Organisation | Yes      |

