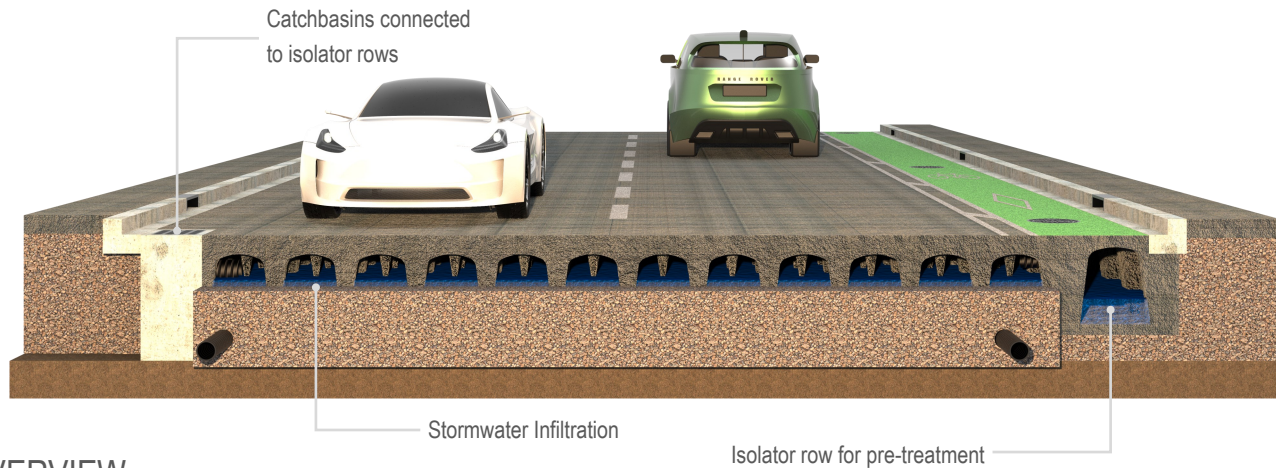


# CUPOLEX® CONCRETE FORMING

## ROADWAYS



## OVERVIEW

We design CUPOLEX® concrete rigid pavements with integrated stormwater capture. The resulting product is a concrete pavement, capable of providing carrying capacities equivalent to conventional road pavements but requiring less concrete. The ability of CUPOLEX® to reduce the initial construction costs of concrete road pavements makes them much more attractive economically to transportation agencies

## FEATURES

- Can be designed to infiltrate or detain stormwater.
- Catchbasins transfer surface run-off to the void below.
- Isolator rows can be incorporated for pre-treatment.
- Void depths range from 8" (200mm) to 28" (700mm)
- Compatible with conventional slipform paving equipment
- CUPOLEX® concrete forming manufactured to ISO 9001:2015 high quality standards
- Complete construction documents with stamped and sealed design drawings provided by CUPOLEX® licenced PEs

## ADVANTAGES

- Uses less concrete than conventional JPCP.
- Removes the need for a separate buried stormwater capture chamber.
- High load-bearing concrete design that can exceed HS-20-44 full truck load plus impact
- Custom designed to any layout
- Streamlined installation supporting required work loads
- Modular, quick and easy installation of formwork
- Maximum water storage volume up to 90% of the void depth
- Can reduce the need for granular base materials or engineered fill
- One truckload of CUPOLEX® replaces over 50 truckloads of gravel.
- Dome shape concrete geometry reduces slab curling when compared to conventional concrete pavements.
- Reduces the slab's contact with the base layers
- Effective control of expansive soils and frost action below pavements.
- Low potential for cracking, low overall variability in strains reduces the potential for fatigue failures.

