



Project Profile



Airport Stormwater Drainage Control

Location:

United States, Minneapolis-St. Paul International Airport,
Minneapolis, Minnesota

The Situation:

In 2002 a stormwater drainage control system was installed at the Minneapolis – St. Paul International Airport. For this system, watertight precast concrete box culverts and circular concrete pipes were used to transport stormwater. To create an effective stormwater drainage control system, watertight joints are required; therefore, a sealant that has these watertight qualities was necessary.

The Solution:

CS-102 was used in the joints of the box culverts and circular concrete pipes to provide watertight seals. Also, CS-212 was used on the exterior of the joints to keep soil from infiltrating the joints. CS-231 was also used on this project. CS-231 was used to create a watertight seal between concrete pipes and a cast-in-place concrete vertical shaft.

Sealant Application

Box Culverts
Concrete Pipe

Applicable Industry Standards:

ASTM C-990
ASTM C-877 Type III

Products Used:

**ConSealTM
CS-102**
Butyl Rubber Sealant

CS-212
Polyolefin Back
Exterior Joint Wrap

CS-231
Controlled Expansion
Waterstop Sealant

Don't Just Seal It, ConSeal It!

Concrete Sealants, Inc.

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