

Polymer Coated CSP (Bridge File: 86005)

File: 8090-2-3-5

Installed: 1999

Size: 2 -2700mm dia. Culverts and 2 – 1200mm dia

Inspected: October 1, 2012

2700 mm dia.

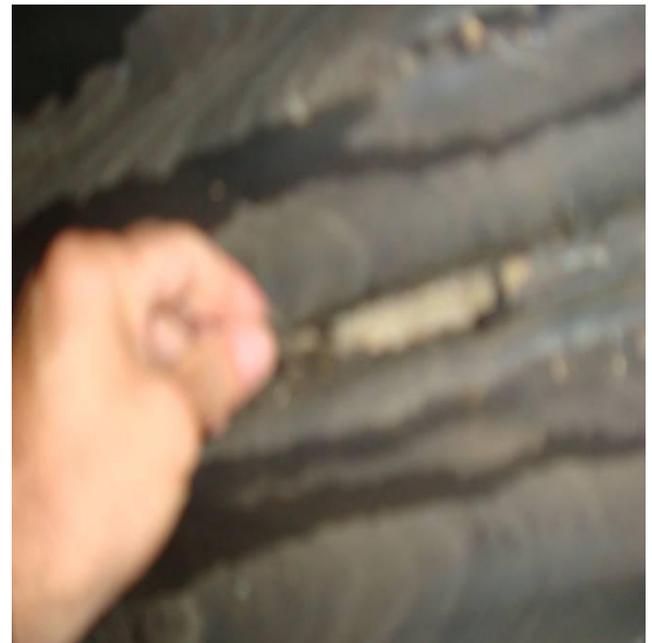


Two side by side 2700mm culverts



Interior looks good

Close- up



Coating is starting to come off at some of the seams

1200mm dia.



Culvert east end



Interior looks good

Close-up Of 1200 mm dia



**Corrosion at the lock seam
seam location**



Was able to peel off coating at this

Polymer coated CSP's looks very good from a distance, however when closely looking on the inside of the pipe I observed many of the seam locations are showing loss of polymer coating and signs of corrosion. This problem is probably a polymer application problem. However as can be seen in the photographs above, a corrosion problem now exists and could eventually cause premature failure of these culverts.

Polymer Coated CSP was meant to be installed in areas of aggressive soils and water which attack metal culverts. This products life span according to the manufacture was to be 100 years.

This product was moved to the Proven Products category of the department's products list, we may have to reconsider our decision.

Joe Filice

cc: Roger Skirrow
Des Williamson