

**PROJECT:**

Beaucatcher Tunnel

**LOCATION:**

Asheville, NC

**OWNER:**

North Carolina Dept.  
of Transportation (NCDOT)

**CONTRACTOR:**

Orbit International

**COATING SYSTEM:**

50 mils (1.3 mm) Polyshield SS™ 100  
4 mils (0.1 mm) PS-70 Primer

**TOTAL AREA:**

85,000 square feet

**DATE COMPLETED:**

July 1997

**PROBLEM:**

A sixty-eight year old tunnel was renovated to restore damaged concrete, and fix water problems. Previous coatings proved to have no longevity, and began cracking and peeling after only a short time. The North Carolina Department of Transportation (NCDOT) had previously used epoxies and paints, but were dissatisfied with the performance of these coatings.

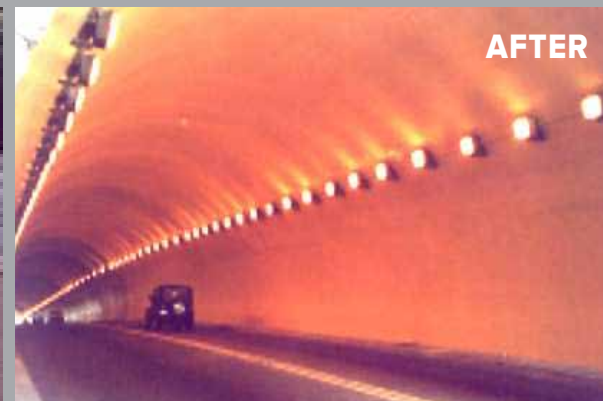
**SOLUTION:**

Polyshield SS™ 100 was selected because of its superior strength and elasticity. The entire tunnel was sandblasted to remove the old coatings, cleaned with a high pressure wash, and primed with PS-70 Primer. Polyshield SS™ 100 was then applied at 50 mils. The tunnel's new protective coating has been preserving the concrete and is easily cleaned

using a high pressure wash, providing reduced maintenance costs.

**RESULTS:**

2009: According to a NCDOT representative, maintenance personnel reported that the Polyshield SS™ 100 is holding up well and no repairs have been necessary since renovations in 1997.



**SPECIALTY PRODUCTS, INC.**

2410 104th St. Ct. S. Suite D  
Lakewood, WA 98499

**PHONE**

800 627 0773 or 253 588 7101

**FAX** 253 588 7196

**EMAIL**

info@specialty-products.com

**WEB** www.specialty-products.com