**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.

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