

OVERVIEW: Cascade Creek - Rochester, MN

In the late 1970's the U.S. Army Corps of Engineers (USACE) began looking into ways to improve the three main waterways flowing through Rochester, Minnesota. After a decade of work and solving of funding problems, the projects finally began in 1992. The USACE called for the use of heavy limestone riprap throughout most of the projects, but in the areas where access to the water and creating a park-like atmosphere was a priority, the use of interlocking slope protection, such as Armorloc 3510 was called out. In northern climates the freeze/thaw process that occurs in concrete retaining walls have been identified as a problem. However, after over **10 years** of service the Armorloc 3510 has had no ill effects from this process. The flexibility of the system to move in an ever changing climate and the high quality with which the product was made are a few of the many reasons for continued success. The ability of the Armorloc system to vegetate and defend against the powers of erosion make it an option for engineers and owners who are looking for design alternatives to conventional methods.



PRODUCT: Armorloc 3510

AMOUNT: 365,000

DATE: Summer 1993

OWNER: U.S. Army Corp of Engineers
St. Paul, MN
City of Rochester, MN

ENGINEER: U.S. Army Corp of Engineers
St. Paul, MN

CONTRACTOR: North Star Asphalt
Rochester, MN

SUBMITTED BY: Doug Buch

DATE: December 2003



