

City of Rapid City, SD

Contact Dave LaFrance
 Department Water
 Type Maintenance
 Useful Life 75
 Category Infrastructure
 Priority 2 Very Important

Project # **50480**
 Project Name **Elm Ave 20" Watermain Cathodic Protection Rehab**

Last Revised 1/20/04

Const. No.

Description

Rehabilitation of cathodic protection system on 20" C/DI/Steel watermain from Low Level Reservoir to Fairmont. Project will precede the Elm Ave Reconstruction projects #10130 and #50145. It may be constructed concurrently with #50325, Meade St. Reconstruction, or it may precede that project if design can be completed for an '04 bid opening.

This project is related to the low level water reservoirs interconnect project (#50406), therefore, these two projects will be designed, coordinated, and constructed concurrently.

Justification

Pipeline is major component of distribution system in SE area of city. Soils in area are corrosive and have reduced useful life on most of watermains in area. Recent Study indicates that an impressed current cathodic protection system is necessary to preserve the design life of this critical water main.

Expenditures	2004	2005	2006	2007	2008	Total
Professional Services	30,000					30,000
Construction		250,000				250,000
Total	30,000	250,000				280,000

Funding Sources	2004	2005	2006	2007	2008	Total
933 - Water Enterprise Fund	30,000	250,000				280,000
Total	30,000	250,000				280,000

Operational Impact/Other