

CAPITAL PLAN

2002 *thru* 2006

City of Rapid City, SD

Contact Doug Adelman
 Department Streets Division
 Type Improvement
 Useful Life 25
 Category Infrastructure
 Priority n/a

Project # **50416**
 Project Name **Elm Av / St. Patrick St. Intersection Improvements**

Last Revised 10-21-02

Const. No.

Total Project Cost **\$369,000**

Description

Signalize existing stop controlled (4-way) intersection. Replace existing rutted ACC pavement through intersection with 8" PCC for loop installation and improved durability and ride, reconstruct curb on south quadrants of St. Pat to increase radius, add storm sewer inlets, and replace about 130 ft of existing 20" watermain under the new pavement.
 Cost estimate based on 1) signalization = \$150,000; 2) resurfacing and minor geometry improvements = \$116,000; 3) inlets and drainage improvements = \$22,000; and 4) water main reconstruction = \$66,000.

Justification

Ordered in by Council. Intersection ranks third in importance on City network, 8th overall in City when DOT intersections are considered. Meets warrants 1, 2, 6, 7, 8, 9, 11. ADT's on St. Patrick are ~ 12,000, on Elm ~ 7,000.

Expenditures	2002	2003	2004	2005	2006	Total
Planning/Design/Professional		15,000				15,000
Construction		354,000				354,000
Total		369,000				369,000

Funding Sources	2002	2003	2004	2005	2006	Total
(933) Water Enterprise Fund		70,000				70,000
CIP(910) CIP Contingency		200,000				200,000
Unidentified Funding Source		99,000				99,000
Total		369,000				369,000

Operational Impact/Other