



CITY OF RICHMOND

REPORT TO COMMITTEE

TO: Public Works and Transportation Committee **DATE:** February 11, 2000
FROM: Jeff Day, P. Eng.
Director, Engineering **FILE:** 6340-01
RE: 2000 Capital Construction Program - Southdale Road Watermain

STAFF RECOMMENDATION

It is recommended that:

1. The Eperson Road watermain replacement project identified in the 2000 capital construction program be deferred, and
2. The funding from the deferred project be reallocated to the construction of the Southdale Road watermain replacement project in 2000.

Jeff Day, P. Eng.
Director, Engineering

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Water Services	Y <input type="checkbox"/> N <input type="checkbox"/>	 <hr/>

STAFF REPORT

ORIGIN

Several recent watermain breaks along Southdale Road, including two failures in late January and early February 2000, indicate that this watermain is likely near the end of its lifespan. Accordingly, staff have re-prioritised watermain reconstruction in the 2000 capital construction program.

ANALYSIS

The frequency of watermain failures along Southdale Road is on the rise. The history of breaks is as follows:

- | | |
|---------------------|--------------|
| ▪ August 1996 | Saddle |
| ▪ March 14, 1999 | Saddle |
| ▪ May 7, 1999 | Main Failure |
| ▪ January 28, 2000 | Main Failure |
| ▪ February 10, 2000 | Main Failure |

The two most recent watermain failures occurred within a two week period and may indicate this watermain is near the end of its lifespan. On this basis, the proposed 2000 watermain replacement program has been re-evaluated and the Southdale Road watermain is now a top priority. Of the other projects in the 2000 capital construction program, the Eperson Road watermain replacement project is the most suitable for deferral to provide funding for the Southdale Road watermain project because it is of similar scope and magnitude to the Southdale Road watermain, and it is not as urgent as Southdale Road.

Subject to Council approval, the design and construction of the Southdale Road watermain replacement can be completed by the end of April 2000.

FINANCIAL IMPACT

The Southdale Road watermain replacement project is proposed in lieu of the Eperson Road watermain replacement project, which is currently included in the 2000 capital construction program. The estimated costs are respectively:

- | | |
|----------------------------|-----------|
| ▪ Southdale Road watermain | \$141,000 |
| ▪ Eperson Road watermain | \$140,000 |

Since the projects are of similar scope and estimated cost, no additional financial impact is anticipated.

CONCLUSION

Recent watermain breaks along Southdale Road indicate that this watermain is near the end of its lifespan and is a top priority for replacement. Accordingly, the Southdale Road watermain should be replaced in the 2000 capital construction program in lieu of the Eperson Road watermain, which can be deferred.

Steve Ono, P.Eng.
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