



CITY OF RICHMOND

REPORT TO COMMITTEE

TO: Public Works and Transportation Committee **DATE:** February 6, 2001
FROM: Jeff Day, P. Eng. **FILE:** 6340-20
 Director, Engineering
RE: Deagle Road Watermain Replacement, Afton Drive to Williams Road

STAFF RECOMMENDATION

It is recommended that:

1. The Deagle Road watermain replacement project which is proposed for construction at a budgeted cost of \$225,000 in 2001, be approved for construction in advance of approval of the 2001 Capital Program.
2. Where illegal pavement in boulevards is encountered during the Deagle Road watermain construction, the illegal boulevard pavement be removed and restored with a 0.75 m gravel shoulder and grass boulevard in accordance with Boulevard Maintenance Bylaw 7055.

Jeff Day, P. Eng.
Director, Engineering

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STAFF REPORT

ORIGIN

Watermain replacement along Deagle Road from Afton Drive to Williams Road is proposed in the 2001 Capital Program with funds to come from the Water Utility under the watermain replacement program. Recent watermain breaks along Deagle Road and a consultant report indicating the watermain has reached the end of its useful life make replacement of this watermain a high priority.

ANALYSIS

The Deagle Road watermain from Afton Drive to Williams Road has reached the end of its useful life according to a recent consultant report. Recent watermain breaks in October and November of 2000, and most recently February 3 and 5, 2001, support the consultant's report. Accordingly, it is important to commence re-construction of the watermain along Deagle Road as soon as possible. Funding for this project has been identified from the water utility.

The existing watermain is located within City boulevards and over the years, residents have paved or concreted some of the City boulevards and now use the boulevards for on street parking. The paved or concrete boulevards do not comply with Boulevard Maintenance Bylaw 7055. The new watermain will be installed in some of these same paved or concrete boulevards.

Boulevard Maintenance Bylaw 7055 prohibits hard surfaces within boulevards. Where the watermain construction encounters non-complying boulevard pavement, the non-complying boulevard pavement will be removed and reinstated with a maximum 0.75 m wide strip of shoulder gravel adjacent to the road pavement. The remainder of the non-complying boulevard pavement would be removed and reinstated to a grassed condition to enhance the streetscape.

FINANCIAL IMPACT

The Deagle Road watermain reconstruction project has been proposed in the 2001 Capital Program with funding to come from the water utility. No financial impact is anticipated beyond the budgeted amount of \$225,000.

CONCLUSION

The Deagle Road watermain is nearing the end of its useful life and is in need of re-construction as soon as possible. Where illegal pavement is encountered in boulevards during the watermain construction, the boulevard pavement will be removed. A 0.75 m gravel shoulder and grassed boulevard will be provided following watermain construction, pursuant to Boulevard Maintenance Bylaw 7055.


Steve Ong, P.Eng.
Manager, Engineering Design & Construction

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