
City of Kelowna

MEMORANDUM

DATE: August 14, 2003
FILE: 5400-10 & 5340-09-20
TO: City Manager
FROM: Transportation Manager
RE: **Roads Overlay Program**

RECOMMENDATION:

THAT Council approve an amendment of the 2003 Financial Plan to include an additional \$200,000 from the Overlay Reserve (10-3301-R9998) to allow full road rehabilitation work in conjunction with the Rutland Sanitary Sewer Specified Area #20 project and effective reuse of asphalt grindings from this project.

BACKGROUND:

The Wastewater Division is currently working on installing sanitary sewer service in the North Rutland area. The work requires extensive excavations within existing roadways for sewers and services. The utility restoration work would be expected to only involve patching the pavement cut areas leaving a mixture of existing and new pavement surfaces. At the same time, the existing asphalt is being ground off and stockpiled for reuse on gravel surfaces in the City.

The life of a roadway is extended considerably by having a homogeneous pavement structure and surface. The interface between two different asphalt installations tends to break down, have differential settlement and allow moisture to get into the supporting gravels. All of these conditions contribute to the rapid deterioration of the roadway.

The existing asphalt on those roads is being ground off and stockpiled for reuse on gravel roads and lanes in the City. For the past few years the City has been successfully reusing these grindings on existing gravel roads. There are some 15 remaining gravel roads in rural areas as well as many gravel lanes in the urban area. These are a source of continuous maintenance for potholes and dust control. The grindings are placed on these roads and mixed with new asphalt cement to form a new low cost surface. Installing the grindings is anticipated to result in reduced short and long term maintenance costs.

The City's Pavement Management program has allocated \$450,000 this year to assist with full road reconstruction in conjunction with the sewer project. A similar amount was projected to be used in 2004 and 2005. By a combination of reprioritizing this years overlay projects plus some additional funding we can accomplish this in a two year period in conjunction with the sewer project. \$100,000 of the additional funding will be used to place the grindings on a number of the gravel roads and on a number of problem lanes.

This request is expected to be followed by a reduced requirement in 2005. Funds are available in the Overlay Reserve for this work.

Ron Westlake, P.Eng.
Transportation Manager

John Vos
Director of Works & Utilities

cc. Financial Planning Manager