

ITEM	3
MANAGER'S REPORT NO.	27
COUNCIL MEETING	93/04/26

TO: CITY MANAGER

DATE: 1993 APR 20

FROM: DIRECTOR ENGINEERING

FILE: 10-01-12

SUBJECT: WORK ORDERS:

60-08-030 STREET AND LANE REHABILITATION - 1993 PROGRAM
60-21-098 WATER SUPPLY STUDY - KINGSWAY ZONE

PURPOSE: To obtain approval of Work Orders 60-08-030 and 60-21-098

RECOMMENDATION:

1. THAT the above work orders as more specifically referred to in this report, be approved.

REPORT

60-08-030 Street and lane rehabilitation - 1993 Program

Charge: 1993 Capital Budget
Street and lane rehabilitation \$1,200,000

Additional Information: The annual pavement rehabilitation program is an integral component of our roads infrastructure management and renewal program. Work consists essentially of removing deteriorated pavement surface and replacement with a new asphaltic overlay. It also includes reconstruction of severely cracked roads due to failure of road base materials. Under the 1993 paving program, we will also investigate the latest paving technologies to take advantage of any asphalt recycling opportunities that may be available. The overlay and reconstruction program would extend the useful life of the pavement and protect the City's significant investment in the road system. As part of the annual rehabilitation program, further pavement data collection will be conducted to update the computerized Pavement Management System that is used to establish the optimum and most cost effective pavement rehabilitation program for future years.

Program funding will be included in the 1993-1997 Capital Budget, however, authorization for these expenditures is requested prior to approval of the Capital Budget to permit an early tender call and construction during the optimum summer months.

ITEM	3
MANAGER'S REPORT NO.	27
COUNCIL MEETING	93/04/26

60-21-098 Water Supply Study - Kingsway Zone

Charge: 1993 Capital Budget \$20,000
Water mains, pumping stations, etc.

Additional Information: The Greater Vancouver Water District (GVWD) in 1970 prepared a comprehensive study of the City's water distribution, results of which were used to evaluate system improvements over the past two decades. The original study is now outdated and staff are currently preparing a study of the city's distribution system utilizing computer modelling techniques to include more current needs and projected future growth. The first phase of the study includes the Kingsway Pressure Zone which extends from Boundary Road to 10th Avenue and from Marine Drive to Moscrop Street.

This work order provides funds for the continuation and completion of the Kingsway Pressure Zone study. Results of the City water study and field monitoring will be utilized to update the City's short term and long term system improvement plan. The GVWD is currently updating its regional water supply study and staff have been working closely with the GVWD in the collection and monitoring of study data. The results of the GVWD's study will be integrated with the City's. The funding requirement of \$20,000 will be included in the 1993-1997 Capital Budget. Council's authorization for these expenditures is requested prior to approval of the Capital Budget to permit flow tests and field monitoring program to be carried out in May of this year, prior to the water use restriction imposed by Phase II of the Water Shortage Response Plan.


DIRECTOR ENGINEERING

AAS:
cc: Director Finance