

TO: MUNICIPAL MANAGER 1990 NOVEMBER 13  
FROM: DIRECTOR ENGINEERING  
SUBJECT: WORK ORDERS:

60-30-072, UPGRADE SANITARY PUMP STATIONS ALARM SYSTEM  
60-30-071, REHABILITATION OF SANITARY SEWERS ON NELSON  
AVENUE, IMPERIAL STREET TO BENNETT STREET  
60-35-398, SOLID STATE TV CAMERA INSPECTION SYSTEM  
PURPOSE: To obtain approval of work orders 60-30-072, 60-30-071  
and 60-35-398.

RECOMMENDATION:

1. THAT work orders 60-30-072, 60-30-071 and 60-35-398,  
as more specifically referred to in this report, be  
approved.

REPORT

60-30-072 Upgrade Sanitary Pump Stations Alarm System

Charge: 1990-1994 Capital Budget \$425,000  
Code 30, Sanitary Extensions

Additional Information: The existing telemetry alarm monitoring systems for our utility pumping stations has reached the end of its useful life and cannot be expanded to incorporate all existing lift stations. A consultant study has recommended a replacement system utilizing current technology. A telemetry alarm system is necessary to enable emergency response in the event of a station malfunction. The Municipality has had an ongoing program of sanitary pump station improvements over the past several years and the alarm system upgrading was scheduled for 1990/91 implementation. However, sufficient unallocated funds are currently available within the 1990-1994 Capital Budget, Code 30 Sanitary Sewer Extensions, to cover upgrading the sanitary sewer pumping station alarms. Planned future improvements would be extended to include waterworks facilities.

60-30-071 Rehabilitation of Sanitary Sewers on Nelson Avenue,  
Imperial Street to Bennett Street

Charge: 1990-1994 Capital Budget \$100,000  
Code 30, Sanitary Extensions

Additional Information: This work order pertains to the rehabilitation of sanitary sewers on Nelson Avenue using an innovative trenchless or "no dig" technique. The technology enables staff to repair aging sewers without the need for open-cut excavation and backfill operation with minimal disruption of traffic and other existing underground utilities.

Total estimated cost of this project is \$100,000, funds for which are included in the 1990-1994 Capital Budget, Code 30, Sanitary Extensions.

Work Orders 60-30-072, 60-30-071, and 60-  
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60-35-398 Solid State TV Camera Inspection System

Charge: 1990-1994 Capital Budget                      \$45,000  
Code 35, Engineering Equipment

Additional Information: The 1990-1994 Capital Budget contains provision for the purchase of a remote television inspection system which will allow staff to inspect and analyze repairs needed in sewer pipes. This will provide an inventory of the sewer system and its condition and enable staff to develop a more cost effective maintenance program.

AAS:je

cc: Director Finance

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DIRECTOR ENGINEERING