

**TO:** CITY MANAGER

**DATE:** 1999 Mar 02

**FROM:** DIRECTOR ENGINEERING

**FILE:** 10-01-12

**SUBJECT:** WORK ORDERS:

- 60-21-130 The 1999 Watermains Renewal Program
- 60-21-110 Water Meters Renewal Program
- 60-30-101 Sewer System Evaluation (Infiltration & Inflow Reduction)
- 60-32-111 Design Services- The 1999 Drainage Program
- 60-09-076 Minor Unspecified Projects - Various Locations

**PURPOSE:** To obtain approval of Work Orders 60-21-130, 60-21-110, 60-30-101, 60-32-111 and 60-09-076

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**RECOMMENDATION:**

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

**REPORT**

**60-21-130 The 1999 Watermains Renewal Program**

**Charge:** 1999 Provisional Capital Budget  
Watermains, pumping stations, etc \$2.0 Million

**Additional Information:** This work order provides funding for the annual program of replacement watermains on streets that form part of the annual pavement rehabilitation and local improvement roadworks program. Total cost, including additional construction work by City forces, is estimated at \$2.0 million. Construction of the replacement mains is coordinated with roadworks to reduce surface restoration costs and minimize potential for breaks after the new pavement is in place. Sufficient General Revenue funds are available and these expenditures are included in the Water Utility component of the 1999 - 2003 Provisional Capital Program.

**60-21-110 Water Meters Renewal Program**

**Charge:** 1999 Provisional Capital Budget  
Watermains, pumping stations, etc \$70,000

**Additional Information:** This work order provides funding for the ongoing program of replacement of older watermeters as a component of the automated meter reading system. The program will permit staff to maintain an accurate and efficient metering system to avoid potential loss of revenue due to inaccurate meter readings. Sufficient General Revenue funds are available and these expenditures are included in the Water Utility component of the 1999 - 2003 Provisional Capital Program.

**60-30-101 Sewer System Evaluation (Infiltration & Inflow Reduction)**

**Charge:** 1999 Provisional Capital Budget \$300,000  
Sanitary Extensions

**Additional Information:** The City has an ongoing program to reduce infiltration and inflow in the sanitary sewer system. Reduction of infiltration and inflow lessens the load on sewerage treatment plants and is a critical element in the Regional Liquid Waste Management Plan. The proposed program includes flow monitoring and video camera inspection to identify specific areas of the sewer network requiring rehabilitation. Sufficient General Revenue funds are available and these expenditures are included in the Sanitary Sewer Utility component of the 1999 - 2003 Provisional Capital Program.

**60-32-111 Design Services- The 1999 Drainage Program**

**Charge:** 1999 Provisional Capital Budget \$45,000  
Storm Extensions

**Additional Information:** Consultant services are required to prepare detail engineering designs and to provide contract administration related to our annual drainage improvement program. Sufficient General Revenue funds are available and these expenditures are included in the Storm Extension component of the 1999 - 2003 Provisional Capital Program.

**60-09-076 Minor Unspecified Projects - Various Locations**

**Charge:** 1999 Provisional Capital Budget \$20,000  
Special Roads

**Additional Information:** A work order is raised annually to provide funding for the ongoing program of roadworks including chip walks and retaining walls at various locations. The program consists essentially of miscellaneous minor works to address specific problem areas as identified. Sufficient General Revenue funds are available and these expenditures are included in the Special Roads component of the 1999 - 2003 Provisional Capital Program.

  
DIRECTOR ENGINEERING

AAS:  
cc: Director Finance