

**CITY COUNCIL  
COMMUNICATION:**

**ITEM \_\_\_\_\_**

**OFFICE OF THE CITY MANAGER  
CITY OF DES MOINES, IOWA**

**99-526**

**SYNOPSIS -**

**AGENDA:**

DECEMBER 6, 1999

The Woodland Avenue Sanitary Sewer Service Repair Project includes the repair of a sanitary sewer service and a portion of the sanitary sewer main in the 5200 block of Woodland Avenue. The City requests Council to accept completed construction and approve final payment of the project.

**SUBJECT:**

ACCEPTANCE OF  
COMPLETED  
CONSTRUCTION  
AND APPROVAL OF  
FINAL PAYMENT-  
WOODLAND  
AVENUE SANITARY  
SERVICE SEWER  
REPAIR

**FISCAL IMPACT -**

This project is being funded from the Sanitary Sewer Funds, Capital Improvement Program (CIP) Index Code 377168 - City-wide Sanitary Lateral Sewers - Account 543040 - Fund EN104 - Organization EN990000 - Project/Grant SAE071.

**TYPE:**

**RECOMMENDATION -**

**Approval.**

**RESOLUTION  
ORDINANCE  
RECEIVE/FILE**

**BACKGROUND -**

**SUBMITTED BY:**

FLOYD BENTZ, P.E.  
CITY ENGINEER

On July 2, 1999, the Public Works Department became aware of a street collapse in front of 5213 Woodland Avenue. Subsequent television inspection of the sanitary sewer line revealed that there was a problem associated with a private sewer service. Two separate properties were associated with this street collapse since the sanitary services to both properties tested positive with dye to the sinkhole at this location.

The City notified the two property owners involved with this street collapse indicating that the City would make the necessary repairs under the nuisance abatement section of the municipal code. Under this provision of the municipal code the property owner is allowed 14 days after notice to make the necessary repairs or the City may make such necessary repairs

and assess the cost to the property owners. The property owners elected to have the City make these repairs.

Since the sewer in Woodland Avenue was approximately 20 feet deep, the Public Works Department was unable to make these repairs. In an effort to ensure the timely reopening of Woodland Avenue, Public Works requested that the Engineering Department prepare plans and specifications to bid the necessary repairs. The construction contract was awarded at the Council meeting of August 16, 1999.

The Public Works and Engineering Departments monitored the construction efforts during the repair of the private sanitary sewer service and public sanitary sewer main. It was observed that the hub on the sewer main had failed at the base of the riser on the private sewer service. This was not apparent from the sewer televising of the public sanitary sewer main and could only be determined during the excavation of the sewers. The failure of the hub caused the riser to displace, the sewer service to fail, and the street to settle. The hub is a portion of the public sanitary sewer main and the City should pay for the cost of the repair.