

Meeting Agendas/Info

CITY COUNCIL
COMMUNICATION:

ITEM _____

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

01-182

SYNOPSIS -

AGENDA:

APRIL 16, 2001

SUBJECT:

WASTEWATER
RECLAMATION
FACILITY GRIT
HANDLING SYSTEM
IMPROVEMENTS
CHANGE ORDER
NO. 1

A change order in the amount of \$34,736 has been negotiated with Story Construction Company (Richard T. Johnson, President/Chief Executive Officer) dated April 10, 2001, for additional work on the Wastewater Reclamation Facility (WRF) Grit Handling System Improvements Project to provide for upgrading three grit classifiers and six basin screw conveyors to allow the grit removal system to operate at a 100 percent full load position.

FISCAL IMPACT -

Funds for Change Order No. 1 are available from project funds as follows: WRA R & R Funds - Capital Improvement Program (CIP) Index Code 396762 - WRF Grit Handling System Improvements - Account 543020 - Fund EN267 - Organization ENG990000 - Project/Grant WRA 067 - Activity ID No. 04-2001-002.

TYPE:

RESOLUTION
ORDINANCE
RECEIVE/FILE

RECOMMENDATION -

Approval.

SUBMITTED BY:

FLOYD BENTZ, P.E.
CITY ENGINEER

WILLIAM STOWE
PUBLIC WORKS
DIRECTOR

BACKGROUND -

Work covered by this change order is for the upgrading of equipment to increase the removal capacity of the grit removal system from 53.3 cubic feet per hour to 80 cubic feet per hour. This change is required to allow the grit removal system to operate at 100 percent full load with minimal operator supervision. This upgrade in equipment to the screw conveyor system is designed such that the motor drive shaft is the weak link in the system and will fail first in the event of an overload and will ensure no other piece of equipment shall be damaged because of the torque overload.

This necessary upgrade wasn't made apparent to the designers of this

system until after this project was bid, therefore resulting in Change Order No. 1.
