

**CITY COUNCIL
COMMUNICATION:**

03-471

AGENDA:

SEPTEMBER 22, 2003

SUBJECT:

EXECUTE GRANT
AGREEMENT TO
ACCESS FEDERAL
FUNDS RELATED TO
OUTLET STORM
WATER AND
SANITARY SEWER
CONSTRUCTION
ASSOCIATED WITH
INTERSTATE 235
WIDENING AND
RECONSTRUCTION

TYPE:

**RESOLUTION
ORDINANCE
RECEIVE/FILE**

SUBMITTED BY:

WILLIAM G. STOWE
PUBLIC WORKS
DIRECTOR

JEB E. BREWER, P.E.
CITY ENGINEER

ITEM _____

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

SYNOPSIS —

To allow the City of Des Moines to access grant funds awarded by the Congressional Appropriations Acts for the Environmental Protection Agency (EPA), staff recommends City Council execute a Grant Agreement with the EPA. Access to these grant funds will defray a portion of the costs associated with three outlet storm sewers and associated separation of combined sewers.

FISCAL IMPACT —

The City match required to access the total grant amount is \$2,285,018. Funding for this match is included in the approved Capital Improvements Program as follows:

- \$1,116,529 - Street Improvements, Page SI-30, Interstate 235 (I-235) Storm and Sanitary Sewer Improvements, Index Code 484949, Account 543030, Fund CPO38, Organization ENG990000, Project STR197.
- \$334,265 - Sanitary Sewer Improvements, Page SSI-10, CSS – Birds Run Overflow Elimination Project, Index Code 372763, Account 543040, Fund EN104, Organization ENG990000, Project SAE118.
- \$834,224 - Sanitary Sewer Improvements, Page SSI-12, CSS – Ingersoll Run Overflow Modification Project, Index Code 373167, Account 543040, Fund EN104, Organization ENG990000, Project SAE122.

RECOMMENDATION —

Approval.

BACKGROUND —

On August 31, 2000, by Roll Call No. 00-3634, the City Council approved a Predesign Agreement (Agreement No. 2001-P-028) with the Iowa Department of Transportation (IDOT) for I-235 from the west city limits to the north city limits. The Predesign Agreement with IDOT identified three storm sewer outlet projects that the City and IDOT are jointly responsible for, including sharing of funding responsibilities. The three projects are identified as Birds Run, Deans Lake, and Ingersoll Run Outlet storm sewers.

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The City plans to use the 2002 \$1,925,500 grant and the 2003 \$867,300 grant for construction of portions of three storm sewer outlet projects related to I-235 widening and reconstruction. The City wishes to combine the grants for these projects to reduce overall administrative costs. The total construction cost to which the 55 percent grant and 45 percent applicant match would apply is \$5,077,818. All three projects traverse urban, developed areas. The projects are: Deans Lake Outlet Storm Sewer; Birds Run Outlet Storm Sewer; and Ingersoll Run Outlet Storm Sewer. The alignments for these respective storm outlet projects are shown on the maps attached to the roll call. The latter two projects involve sanitary sewer related work, in addition to storm sewer work.

The Deans Lake Outlet Storm Sewer will convey storm runoff from both I-235 right-of-way and City of Des Moines areas located northerly and westerly of I-235 to an outlet at Deans Lake. This project will be constructed in two phases. The northern Phase I from University Avenue at the railroad right-of-way easterly to Ure Street and northerly to the I-235 storm sewer will be constructed in 2004. A temporary connection to an existing 84-inch storm sewer will be made until Phase II is completed. The southern Phase II will extend southerly along the railroad right-of-way from University Avenue to the discharge at Deans Lake and will be constructed in 2007. It is anticipated that Phase II construction costs will not need to be included in the grant and applicant match amounts.

The Birds Run Outlet Storm Sewer will convey storm runoff from both I-235 right-of-way and City of Des Moines areas located near the Keo Way interchange on I-235 and south and east of I-235 to an outlet at the west bank of the Des Moines River. This project will also be constructed in two phases. The eastern Phase I construction project was publicly let in February 2003 and will be completed in 2004. Phase I is not included in the application. The western Phase II will extend northerly and westerly from 7th Street to the Keo Way interchange on I-235 and will be constructed in 2005-2006. This project includes combined sewer improvements in addition to storm runoff conveyance. A parallel sanitary sewer necessary for future separation of combined sewer flows is a part of the Phase I construction.

The Ingersoll Run Outlet Storm Sewer will convey storm runoff from both I-235 right-of-way and City of Des Moines areas located northerly and southerly of I-235 to an outlet in the Raccoon River. This project will also be constructed in two phases. The eastern Phase I from Martin Luther King, Jr. Parkway to 22nd Street will be constructed in late 2004 through 2005. This Phase I project will provide for the storm runoff discharge to an existing storm box sewer which discharges to the Raccoon River – and will include modifications to an existing combined sewer overflow (CSO) to allow compliance with the nine Minimum Control Measures for CSOs. The Phase II project will extend the storm runoff conveyance system westerly and northerly to 32nd Street and will be constructed in 2006-2007. This project includes combined sewer improvements in addition to storm runoff conveyance. A parallel sanitary sewer necessary for future separation of

combined flows is a part of the Phase II construction.