

**CITY COUNCIL
COMMUNICATION:**

ITEM _____

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

00-321

SYNOPSIS -

AGENDA:

JULY 10, 2000

SUBJECT:

AMENDED DESIGN
PHASE SERVICES
FOR REPLACEMENT
OF THE HUBBELL
AVENUE BRIDGE
OVER FOUR MILE
CREEK

TYPE:

RESOLUTION
ORDINANCE
RECEIVE/FILE

SUBMITTED BY:

FLOYD BENTZ, P.E.
CITY ENGINEER

The City of Des Moines is currently developing plans to replace the Hubbell Avenue Bridge over Four Mile Creek and has received \$850,000 in Federal Bridge Replacement Funds for this project. This bridge is located adjacent to the intersection of E. 33rd Street and Hubbell Avenue. It is proposed that this intersection be widened to include left-turn lanes on Hubbell Avenue and new signalization for traffic safety improvement. The bridge is within the zone of the left-turn lane and requires widening to five lanes. A cost estimate for the revised project is approximately \$1,700,000. A \$500,000 commitment has been received from the Iowa Department of Transportation (IDOT) for a Traffic Safety Improvement Project.

On June 22, 1998, by Roll Call 98-1991, Council approved a design contract with Shuck-Britson, Inc. for replacement of the Hubbell Avenue Bridge over Four Mile Creek. Supplemental Agreement No. 1 will provide for revised design services to implement changes approved by the IDOT and partially funded with IDOT Traffic Safety Funds. The south walkway of the bridge will also be widened to accommodate bicycle traffic for the Four Mile Creek Recreational Trail.

FISCAL IMPACT -

The engineering consulting firm of Shuck-Britson, Inc. has agreed to provide additional design phase services for a maximum fee of \$41,800. This will be financed with Federal-Aid funds (80%) and General Obligation Bonds (20%) in the Capital Improvements Program (CIP) budget.

RECOMMENDATION -

Approval.

BACKGROUND -

On February 16, 1998, by Roll Call 98-404, Council approved an agreement with the IDOT for Intermodal Surface Transportation Enhancement Act (ISTEA) funds to be used for the replacement of the Hubbell Avenue Bridge over Four Mile Creek. This agreement provides for 80% Federal funding of the total project cost, up to a maximum participation of \$850,000.

On December 20, 1999, by Roll Call 99-3805, Council approved submittal of an application to IDOT for Traffic Safety Funds for construction of E. 33rd Street and Hubbell Avenue intersection improvements. On March 14, 2000, IDOT committed \$500,000 of Traffic Safety Funds for improvements at E. 33rd Street and Hubbell Avenue. The remaining construction cost and engineering services are estimated to be \$350,000, which is to be drawn from General Obligation Bonds in the 2000-2001 CIP Account.

The consultant had completed approximately 80% of the design work on the original design concept when they were asked to stop work while the Engineering Department and the Parks & Recreation Department reviewed and finalized route alternatives for the Four Mile Creek Recreational Trail. At the same time, the intersection of Hubbell Avenue and E. 33rd Street became eligible for Traffic Safety Funding. This Supplemental Agreement provides for redesigning the bridge to accommodate a fifth traffic lane and a widened walkway for bicycles. In addition, it addresses soil stability issues discovered through soil investigation work during the initial design process.

IDOT's concurrence is required in approving this Supplemental Agreement since Federal funds are being utilized.