



Agenda Item:

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## COUNCIL COMMUNICATION City Manager's Office

### GENERAL INFORMATION

Agenda Date: 12/20/04  
04-630

Communication No.:

Agenda Item Type: Resolution  
No.:

Roll Call

Submitted by: Jeb E. Brewer, P.E., City Engineer

### SUBJECT—

Approving and authorizing the execution of Iowa Department of Transportation Agreement for University Avenue Bridge over the Des Moines River Arch Rehabilitation.

### SYNOPSIS—

An agreement has been proposed between the City of Des Moines and the Iowa Department of Transportation (Iowa DOT) for the University Avenue Bridge over the Des Moines River Arch Rehabilitation.

The Iowa DOT approved this project for funding utilizing Highway Bridge Replacement and Rehabilitation funds, up to a maximum of \$1,000,000. The Iowa DOT has prepared an agreement for the proposed improvement. The City of Des Moines will be responsible for the remaining \$350,000 of estimated cost.

### FISCAL IMPACT—

Funding for the construction will be shown in the 2005-06 CIP budget, page BRV-12, University Avenue Bridge over the Des Moines River, Account 543010, Fund CP032, Organization ENG990000, Project BRV036. Construction costs will not be incurred until Fiscal Year 2005-06. Design costs will be incurred in the current Fiscal Year, requiring a transfer of \$85,000 in FY04/05 General Obligation Bonds from the substantially complete SW 9<sup>th</sup> Street Bridge over Yeader Creek, Account 543010, Fund CP032, Organization ENG990000, Project BRV030.

## **RECOMMENDATION—**

Approval

## **BACKGROUND—**

Because of the condition of the arches, this structure has become eligible for Federal Highway Bridge Replacement and Rehabilitation (HBRR) funds. The agreement specifies that 80 percent of the construction costs are eligible for federal funding up to a maximum of \$1,000,000. The remaining \$350,000 of the estimated cost would be the responsibility of the City of Des Moines and will be programmed in the 2005-06 CIP.

The superstructure of this bridge was rehabilitated in 2004. Work involved in that project included (1) removing the existing asphalt wearing surface, (2) replacing it with a high-density Portland cement concrete surface, (3) replacing the expansion joints, curb, sidewalk, and parapet wall repair, (4) and retrofitting of deck drains. That project included a very limited amount of repair to the substructure arches. Based upon the deterioration discovered during the limited repairs completed in 2004, the arch rehabilitation project became eligible for funding while originally the arch repairs were planned for sometime seven to ten years in the future. The deterioration requires the repairs to be made much earlier. Now that federal funding for the arch repairs has been obtained, the City CIP has been revised to show the arch repair in 2005-06. The design must be accomplished in Fiscal Year 2004-05 in order to utilize the federal funds available for the 2005 construction season. Therefore, a transfer is required to cover the design costs during this Fiscal Year.