



Agenda Item:
010

## COUNCIL COMMUNICATION

### City Manager's Office

#### GENERAL INFORMATION

Agenda Date: 10/11/04

Communication No.: 04-

Agenda Item Type: Resolution

Roll Call

No.:

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

#### SUBJECT—

Approving Change Order No. 4 with Cramer and Associates, Inc. for additional work on the University Avenue Bridge over the Des Moines River Rehabilitation for a total not to exceed \$189,657.39.

#### SYNOPSIS—

Change Order No. 4 in an amount not to exceed \$189,657.39 has been negotiated with Cramer and Associates, Robert Cramer, President/CAO, 990 N.E. 44<sup>th</sup> Avenue, Des Moines, Iowa, 50313 for additional work on the University Avenue Bridge over the Des Moines River, to increase the contract quantities for structural steel, concrete repair, epoxy crack injection, sidewalk repair, and elastic neoprene expansion joint.

#### FISCAL IMPACT—

Funds for this change order are provided for in the University Avenue Bridge over the Des Moines River, Account 543010, Fund CP032, Organization ENG990000, Project BRV036, Activity ID 12-2003-002, with a transfer of \$110,000 in FY 2004/05 General Obligation (G.O.) Bonds from the substantially complete S.W. 9<sup>th</sup> Street Bridge over Yeader Creek, Account 543010, Fund CP032, Organization ENG990000, Project BRV030.

## **RECOMMENDATION—**

Approval.

## **BACKGROUND—**

The University Avenue Bridge over the Des Moines River Rehabilitation project was designed to restore the bridge superstructure – bridge deck, approaches, and parapet walls (low walls on the side of the bridge that prevent pedestrians and vehicles from falling over the side) – prior to the increase in traffic due to I-235 Reconstruction. During construction, several elements were found to be in an advanced state of deterioration, which required an increased amount of rehabilitation work to be performed, including repair of existing sidewalk surfaces, parapet walls, and repair of the structural elements. As a result, several major contract items increased in quantity, including structural steel, concrete repair, epoxy crack injection, sidewalk repair, and elastic neoprene expansion joint. This project was bid using the Iowa Department of Transportation (IDOT) specification, which requires field measurements of bridge repair items because these quantities must be determined during removal operations. Due to these increases in quantities, Engineering Department staff has negotiated a reduction in unit price for those items at substantial savings (from a 10% - 30% reduction) over the bid prices.

While the total change order increases the project by \$189,657.39, only an additional \$110,000 is required to be transferred into the University Bridge project because the original contract price was well below the budget estimate. There are bridge repair funds available to be transferred from the S.W. 9<sup>th</sup> Yeader Creek Bridge repair project because it was also awarded below project budget. The University Bridge Rehabilitation was envisioned as occurring in two phases. The first phase being a superstructure repair project (deck, parapet, etc.) and the second being a substructure repair project (support arches, columns, etc.) to occur at later date. Based upon the additional deterioration discovered in this first phase, the second phase must be accelerated. This change in project schedule shall be proposed through the CIP budget process.