



# Council Communication

Office of the City Manager

Date

August 7, 2006

Agenda Item No. 48

Roll Call No. 06-

Communication No. 06-497

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

## AGENDA HEADING:

Hearing on combined Fleur Drive and S.E. 14th Street/Army Post Road Traffic Signal Interconnect: Resolution approving plans, specifications, form of contract documents, engineer's estimate, receive and file bids, and designating lowest responsible bidder as Baker Electric, Inc., Britt Baker, CEO, 111 Jackson Avenue, Des Moines, IA, 50315 in the amount of \$1,189,300.

## SYNOPSIS:

Recommend the City Council hold a public hearing to allow for public input on the combined Fleur Drive and S.E. 14th Street/Army Post Road Traffic Signal Interconnect and take the necessary actions as required by Iowa Code to authorize a contract for construction of the proposed project. After evaluation of bids, the Iowa Department of Transportation (IDOT) recommended that the lowest bid for the Fleur Drive Traffic Signal Interconnect project and the S.E. 14th Street/Army Post Road Traffic Signal Interconnect project was the optional bid to combine both projects into one contract, as further discussed below. This combined Fleur Drive and S.E. 14th Street/Army Post Road Traffic Signal Interconnect project will replace outdated communications cable and equipment with a new fiber optic system, which will enhance the Engineering Department Staff's ability to monitor and modify the traffic signal system along this major arterial corridor. The new equipment will also reduce the maintenance costs for this system.

## FISCAL IMPACT:

Amount: \$1,189,300 Construction Contract

Funding Source: 2006-2007 CIP, Page Traffic-6, City-wide Traffic Signal Interconnection, STR097, Various Funding, being:

- \$533,200 contract cost for Fleur Drive Traffic Signal Interconnect, 04-2006-001, being \$400,000 in Federal Funds thru Iowa Clean Air Attainment Program (80% of eligible construction contract cost only - Maximum \$400,000 IDOT Project STP-A1945(701)--86-77) with the remaining local share \$133,200 in G. O. Bonds
- \$656,100 contract cost for S.E. 14th Street/Army Post Road Traffic Signal Interconnect, 04-2005-005, being \$384,000 Federal Funds thru Iowa Clean Air Attainment Program (80% of eligible construction contract cost only maximum \$384,000 IDOT Project STP-A-1945(694)--86-77) with the remaining local share of \$272,100 funded by G. O. Bonds

## ADDITIONAL INFORMATION:

On July 10, 2006, under Roll Call No. 06-1297, the City Council received and filed plans, specifications,

form of contract documents, and City Engineer's estimate for the construction of the Fleur Drive Traffic Signal Interconnect. On July 10, 2006, under Roll Call No. 06-1301, the City Council received and filed plans, specifications, form of contract documents, and Engineer's estimate for the construction of the S.E. 14th Street/Army Post Road Traffic Signal Interconnect. Before the City Council can enter into contract for these improvements, it must hold a Public Hearing and approve the proposed plans, specifications, and form of contract documents and engineer's estimate.

In accordance with a previously approved IDOT Agreement, bids were received and opened by the IDOT on July 18, 2006 for both of the above referenced projects. The IDOT proposals also included an option whereby the bidder could bid both projects together as a combined bid. After receipt and review of bids, IDOT determined that the combined bid was less than the sum of the two individual bids, and it was therefore in the City's best interest to combine said Fleur Drive Traffic Signal Interconnect project and said S.E. 14th Street/Army Post Road Traffic Signal Interconnect project into one contract for award which shall be known as:

Combined Fleur Drive and S.E. 14th Street/Army Post Road Traffic Signal Interconnect, 04-2007-003. The improvement includes the following two individual projects that were combined into a single contract by IDOT at the time of the letting:

1. Fleur Drive Traffic Signal Interconnect, 04-2006-001

The improvement includes upgrading the interconnection at nine signalized intersections along Fleur Drive and will replace the current interconnect system with new conduit and a fiber optic cable system, all in accordance with the contract documents including Plan File Nos. 463-87/109, and located along Fleur Drive from the south end of the new Martin Luther King Jr. Parkway to Army Post Road, Des Moines, Iowa.

2. S.E. 14th Street/Army Post Road Traffic Signal Interconnect, 04-2005-005

The improvement includes construction of a traffic signal interconnect system upgrade along SE 14th Street from Maury Avenue to the Southridge Mall South Entrance, and also along Army Post Road from SE 14th Street to South Union Street. The project will replace the current signal interconnect system with a fiberoptic system, all in accordance with the contract documents including Plan File Nos. 463-110/142

Before the City Council can enter into a contract, it must hold a public hearing and approve the proposed combined plans, specifications, and form of contract documents and engineer's estimate for the construction of the Combined Fleur Drive and S.E. 14th Street/Army Post Road Traffic Signal Interconnect, 04-2007-003. The plans, specifications, and form of contract documents and engineer's estimate for said combined project are based on the plans, specifications, and form of contract documents and engineer's estimate for the two individual projects (Fleur Drive Traffic Signal Interconnect project and the S.E. 14th Street/Army Post Road Traffic Signal Interconnect project) which were received and filed by the City Council on July 10, 2006 under said Roll Call Nos. 06-1297 and 06-1301.

The bids, in accordance with a previously approved IDOT Agreement, were received and opened by IDOT on July 18, 2006. Sealed bids for said combined Fleur Drive and S.E. 14th Street/Army Post Road Traffic Signal Interconnect improvement were submitted by the following bidders:

Baker Electric, Inc., Des Moines, IA  
The Waldinger Corporation, Des Moines, IA  
KWS, Inc., Cedar Falls, IA

The City Engineer has determined that the lowest responsible, responsive bid for the construction of said Combined Fleur Drive and S.E. 14th Street/Army Post Road Traffic Signal Interconnect improvement

was submitted by Baker Electric, Inc., in the amount of \$1,189,300. The Finance Director has determined that funds are available for said improvement as stated above.

**PREVIOUS COUNCIL ACTION(S):**

Date: July 10, 2006

Roll Call Number: 06-1297

Action: Ordering Construction of the [Fleur Drive Traffic Signal Interconnect](#) – Receiving of bids, (7-18-06), and Setting date of hearing, (8-7-06). (Construction Estimate - \$456,700). ([Council Communication No. 06-433](#)).

Date: July 10, 2006

Roll Call Number: 06-1301

Action: Ordering Construction of the [S.E. 14<sup>th</sup> Street/Army Post Road Traffic Signal Interconnect](#) – Receiving of bids, (7-18-06), and Setting date of hearing, (8-7-06). (Construction Estimate - \$552,500). ([Council Communication No. 06-432](#))

Date: October 24, 2005

Roll Call Number: 05-2533

Action: Approving Iowa Department of Transportation Agreement for Fleur Drive Traffic Signal Interconnect Improvements. ([Council Communication No. 05-591](#))

Date: December 20, 2004

Roll Call Number: 04-2675

Action: Execution of Iowa Department of Transportation Agreement for SE 14<sup>th</sup> Street (US 69) Army Post Road traffic signal interconnect improvements. ([Council Communication No. 04-632](#))

**BOARD/COMMISSION ACTION(S): NONE**

Date:

Roll Call Action:

Action:

**ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:**

Partial payments to the contractor and final acceptance of work.