

DATE September 13, 2010

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR COMBINED FLEUR DRIVE AND S.E. 14TH STREET/ARMY POST ROAD TRAFFIC SIGNAL INTERCONNECT, BAKER ELECTRIC, INC.

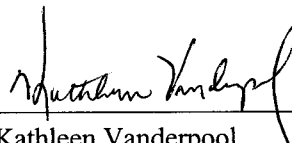
BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached report of the Jurisdictional Engineer, showing the cost of the construction of the Combined Fleur Drive and S.E. 14th Street/Army Post Road Traffic Signal Interconnect, 04-2007-003, in accordance with the contract approved between Baker Electric, Inc., Britt Baker, CEO, 111 Jackson Avenue, Des Moines, IA 50315, under Roll Call No. 06-1608, of August 7, 2006, and the City of Des Moines, and recommending the acceptance thereof, be and the same is hereby approved, and accepted, and

BE IT FURTHER RESOLVED: That \$1,215,810.74 is the total construction cost of which \$1,185,810.74 has been paid to the Contractor, with a final partial payment of \$0.00 to be paid now, and the remaining balance of \$30,000.00 be paid at the end of thirty days, provided no claims or liens have been filed against said project, and provided that a release of this payment has been approved by the Iowa Department of Transportation through the Department of Engineering for the City of Des Moines, Iowa. Said Engineering Department shall not release this payment until all project audits have been completed, and any monetary penalties resulting from audit deficiencies shall be deducted from said balance of \$30,000.00 before being released to the Contractor.

BE IT FURTHER RESOLVED: That the Des Moines Finance Director be and is hereby authorized to release said retainage if suit is not filed as above provided.


Moved by _____ to adopt.

FORM APPROVED:


Kathleen Vanderpool
Deputy City Attorney

FUNDS AVAILABLE


Allen McKinley
Des Moines Finance Director

 Funding Source: 2010-2011 CIP, Page Street-13, City-wide Traffic Signal Interconnection, STR097, Various Funding, Being: \$539,065.74 as-built 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 \$139,065.74 in G. O. Bonds

\$676,745 as-built 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 \$292,745 in G. O. Bonds

STP-A-1945(694)--86-77, STP-A-1945(701)--86-77

★ **Roll Call Number**

Agenda Item Number

12A

DATE September 13, 2010

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GREISS				
HENSLEY				
MAHAFFEY				
MEYER				
MOORE				
TOTAL				
MOTION CARRIED	APPROVED			

Mayor

CERTIFICATE

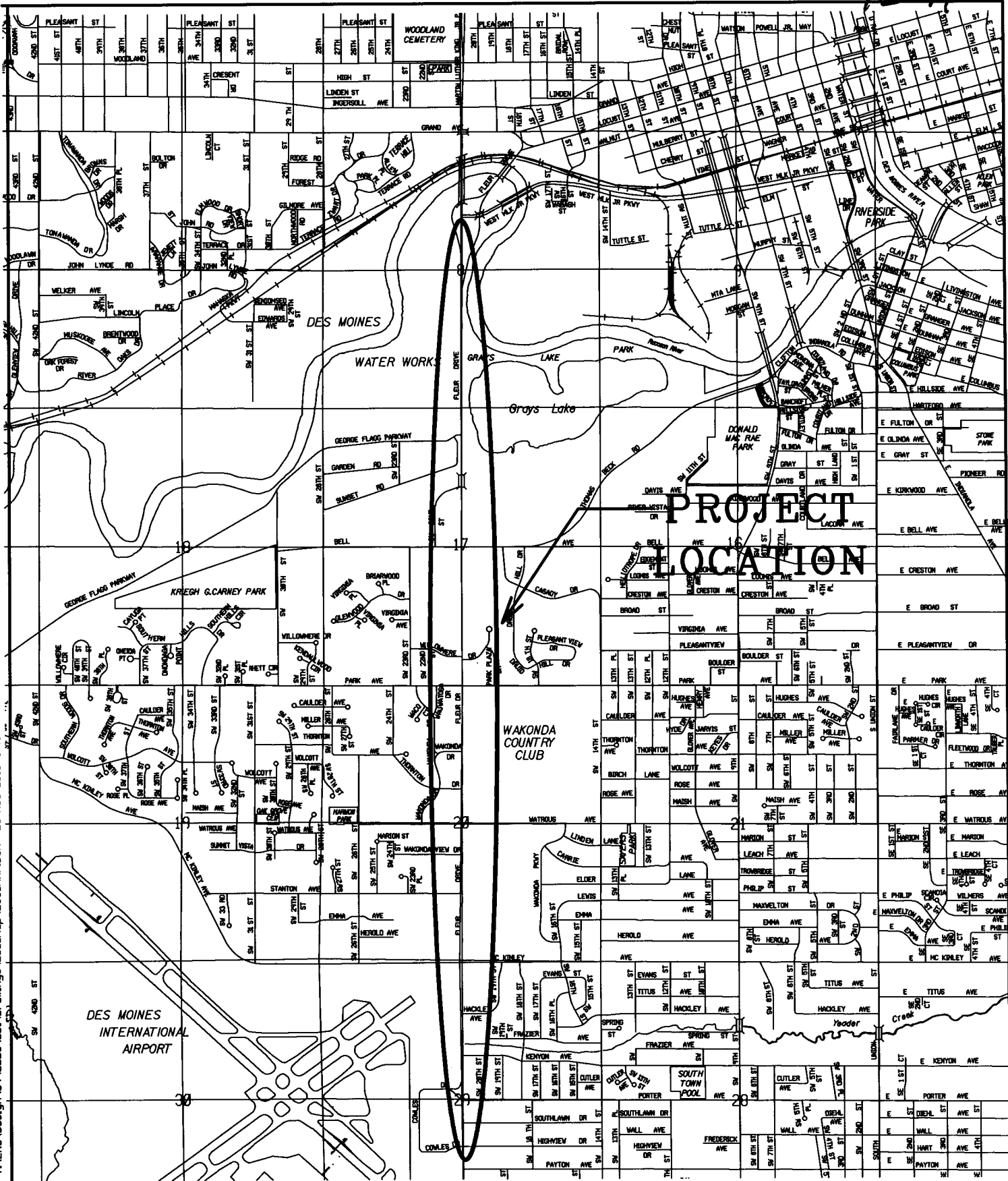
I, DIANE RAUH, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

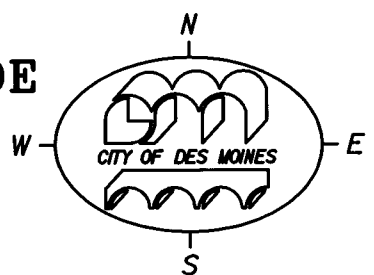
City Clerk

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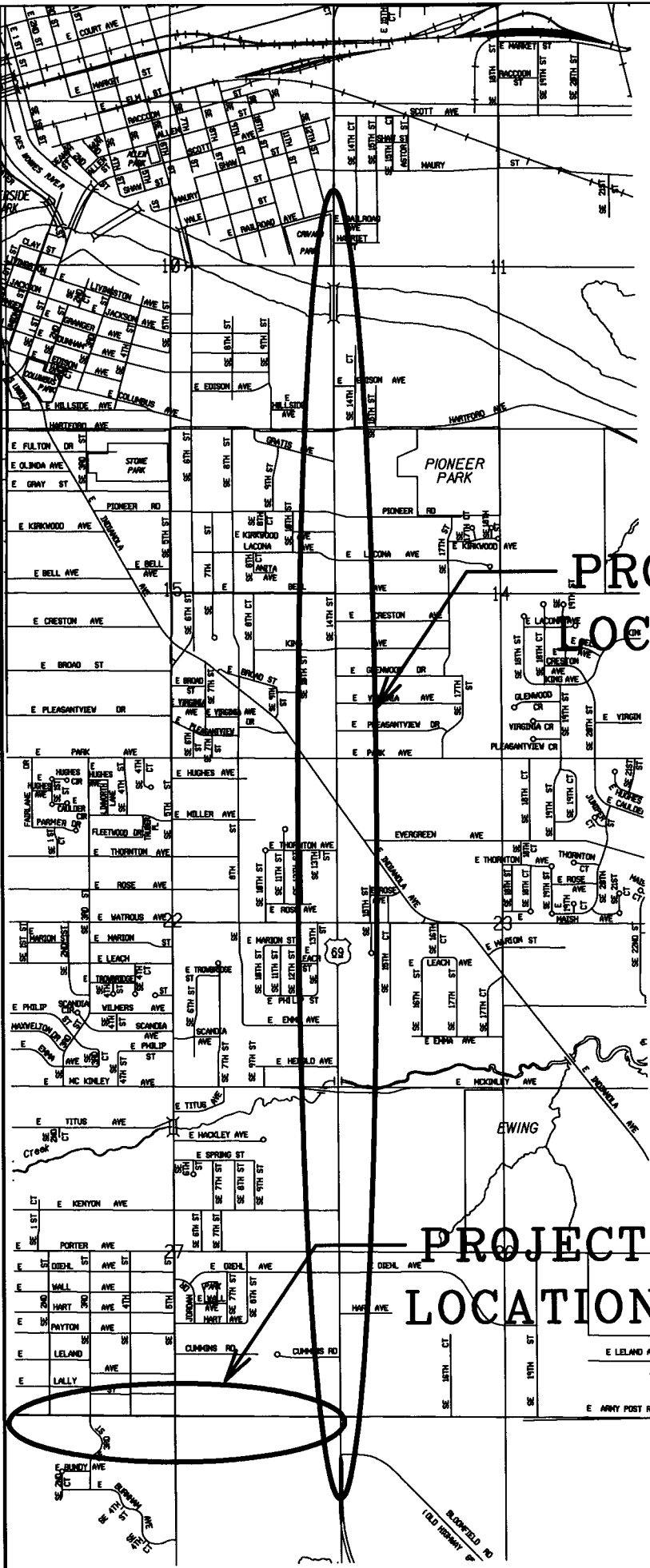


**TRAFFIC SIGNAL INTERCONNECT UPGRADE
 FLEUR DRIVE
 ACTIVITY I.D. 04-2007-003**



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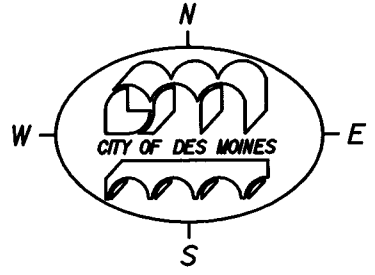
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PROJECT LOCATION

PROJECT LOCATION

**TRAFFIC SIGNAL
 INTERCONNECT UPGRADE
 SE 14TH STREET AND
 E ARMY POST RD
 ACTIVITY I.D. 04-2007-003**



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PROJECT SUMMARY

Combined Fleur Dr & SE 14th St/Army Post

Activity ID 04-2007-003

August 7, 2006, under Roll Call No. 06-1608, the City Council awarded the contract for the above improvements to Baker Electric, Inc., in the amount of \$1,189,300.00 to install traffic signals interconnect on Fleur Drive, SE 14th Stree and Army Post Road.

Tabulated below is a history of project change orders.

<u>Change Order No.</u>	<u>Description</u>	<u>Initiated By</u>	<u>Amount</u>
1	1/11/2008 Delete construction survey and flaggers. Add modifications to controller cabinets. Add conduit boring and signal connections	Engineering	\$11,872.00
2	1/23/2008 Repair controller cabinet at SE 14th Street and Maury.	Engineering	\$8,773.00
3	2/4/2008 To delete construction survey and flaggers. Modify controller cabinet and use existing cabinet. Make other signal modifications.	Engineering	(\$11,724.26)
4	2/13/2008 Add camera software for workstations and IFS network transeivers.	Engineering	\$11,100.00
5	4/23/2008 Replace 2 AD cameras with 2 COHU cameras for more reliable camera operation at 801 Grand.	Engineering	\$6,490.00
Original Contract Amount			\$1,189,300.00
Total Change Orders			\$26,510.74 ✓
Percent of Change Orders to Original Contract			2.23%
Final Contract Amount			\$1,215,810.74 ✓

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September 13, 2010



CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the Combined Fleur Drive and S.E. 14th Street/Army Post Road Traffic Signal Interconnect, Baker Electric, Inc..

SYNOPSIS:

Approve the Jurisdictional Engineer's Certification of Completion, accept construction of said improvement, and authorize final payment to the contractor.

FISCAL IMPACT:

Amount: \$1,215,810.74 As-Built Contract Cost

Funding Source: 2010-2011 CIP, Page Street-13, City-wide Traffic Signal Interconnection, STR097, Various Funding, Being:

\$539,065.74 as-built 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 \$139,065.74 in G. O. Bonds

\$676,745 as-built 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 \$292,745 in G. O. Bonds

CERTIFICATION OF COMPLETION:

On August 7, 2006, under Roll Call No. 06-1608, the City Council awarded a contract to Baker Electric, Inc., Britt Baker, CEO, 111 Jackson Avenue, Des Moines, IA 50315 for the construction of the following improvement:

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 the Iowa Department of Transportation 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

AND

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

I hereby certify that the construction of said Combined Fleur Drive and S.E. 14th Street/Army Post Road Traffic Signal Interconnect, Activity ID 04-2007-003, has been completed in substantial compliance with the terms of said contract, and I hereby recommend that the work be accepted. The work commenced on October 1, 2007, and was completed on August 31, 2010.

I further certify that \$1,215,810.74 is the total cost of said improvement, of which \$1,185,810.74 has been paid the Contractor and \$0.00 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$30,000.00 is to be paid at the end of thirty days, with funds retained for unresolved claims on file in accordance with Iowa Code chapter 573. The amount of completed work is shown on the attached Estimate of Construction Completed.



Jeb E. Brewer, P.E.
Des Moines City Engineer

ESTIMATE OF CONSTRUCTION COMPLETED
FOR WORK DONE FROM 7/17/08 TO 9/16/09
FINAL

FINAL

PROJECT: Combined Fleur Drive and S.E. 14th Street/Army Post Road Traffic Signal Interconnect
CONTRACTOR: Baker Electric, Inc.

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
	SE 14th Street/Army Post Road Traffic Signal Interconnect, 04-2005-005, STP-A-1945(694)--86-77				Subtotal	\$676,745.00	
'0010	Traffic Signalization	LS	1.000	1.000	1.000	\$627,000.00	\$627,000.00
'0020	Construction Survey	LS	1.000	0.000	0.000	\$11,000.00	\$0.00
'0030	Traffic Control	LS	1.000	1.000	1.000	\$11,000.00	\$11,000.00
'0040	Flaggers	Day	20.000	0.000	0.000	\$255.00	\$0.00
'0050	Mobilization	LS	1.000	1.000	1.000	\$2,000.00	\$2,000.00
8001	Modify Traffic Signal Control Cabinets to 332A	EA		7.000	7.000	\$1,800.00	\$12,600.00
8002	Conduit Bore Under SE 5th at Army Post Rd.	LS		1.000	1.000	\$2,950.00	\$2,950.00
8003	Conduit Bore Under Walmart Driveway on SE 14th	LS		1.000	1.000	\$2,477.00	\$2,477.00
8004	Provide Traffic Signal System Connections on Army Post	LS		1.000	1.000	\$9,945.00	\$9,945.00
8005	Controller/Cabinet Repair at SE 14th/Maury	LS		1.000	1.000	\$8,773.00	\$8,773.00
	Fleur Drive Traffic Signal Interconnect, 04-2006-001, STP-A-1945(701)--86-77				Subtotal	\$539,065.74	
'0060	Traffic Signalization	LS	1.000	1.000	1.000	\$498,100.00	\$498,100.00
'0070	Construction Survey	LS	1.000	0.000	0.000	\$9,000.00	\$0.00
'0080	Traffic Control	LS	1.000	1.000	1.000	\$18,000.00	\$18,000.00
'0090	Flaggers	Day	20.000	0.000	0.000	\$255.00	\$0.00
'0100	Mobilization	LS	1.000	1.000	1.000	\$3,000.00	\$3,000.00
8006	Modify Traffic Signal Control Cabinets to 332A	EA		1.000	1.000	\$2,500.00	\$2,500.00
8007	Use Existing Conduit	LS		1.000	1.000	(\$8,814.00)	(\$8,814.00)
8008	Modify Conduit/Access Manhole	LS		1.000	1.000	(\$500.00)	(\$500.00)
8009	Replace Traffic Signal Pole	LS		1.000	1.000	\$6,930.00	\$6,930.00
8010	Extend Footing at Fleur/Grays Lake Controller	LS		1.000	1.000	\$2,259.74	\$2,259.74
8011	Camera Software Licenses	LS		1.000	1.000	\$8,440.00	\$8,440.00
8012	IFS Network Transceivers	EA		2.000	2.000	\$1,330.00	\$2,660.00
8013	Replace 2 AD Cameras w/COHU Cameras	LS		1.000	1.000	\$6,490.00	\$6,490.00
	Total Combined Project			Total Combined Project		\$1,215,810.74	\$1,215,810.74
	TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS					\$1,215,810.74	
	PARTIAL PAYMENT NO. 1					\$450,269.22	


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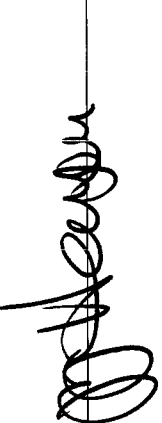
PROJECT: Combined Fleur Drive and S.E. 14th Street/Army Post Road Traffic Signal Interconnect
 CONTRACTOR: Baker Electric, Inc.

FINAL

LINE NO.	DESCRIPTION	UNIT	UNITS		UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED		
	PARTIAL PAYMENT NO. 2		\$265,026.24			
	PARTIAL PAYMENT NO. 3		\$315,840.54			
	PARTIAL PAYMENT NO. 4		\$91,694.00			
	PARTIAL PAYMENT NO. 5		\$56,490.74			
	PARTIAL PAYMENT NO. 6		\$6,490.00			
	THIS PARTIAL PAYMENT		\$0.00			
	TOTAL PARTIAL PAYMENTS		\$1,185,810.74			
	BALANCE		\$30,000.00			
	Percent Complete	100%				
	TOTAL					\$1,215,810.74
	RETAINAGE					\$30,000.00
	TOTAL LESS RETAINAGE					\$1,185,810.74
	LESS PREVIOUS PAYMENT					\$1,185,810.74
	AMOUNT DUE					\$0.00

FINAL

PREPARED BY: 

CHECKED BY: 

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