

★ **Roll Call Number**

Agenda Item Number
13B

Date August 21, 2006

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR THE SW 9TH STREET BRIDGE OVER RACCOON RIVER AND UPRR REHABILITATION, CRAMER AND ASSOC., INC.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached report of the Chief Civil Engineer, showing the cost of construction of the SW 9th Street Bridge over Raccoon River and UPRR Rehabilitation, Activity ID 12-2000-004, Project No. BHM-1945(660)--8K-77, in accordance with the contract approved between Cramer and Assoc., Inc., Robert Cramer, President/CAO, 990 NE 44th Avenue, Des Moines, IA, 50313, under Roll Call No. 03-1086, of May 5, 2003, and the City of Des Moines, Iowa, and recommending the acceptance thereof, be and the same is hereby approved, and accepted, and

BE IT FURTHER RESOLVED: That \$1,788,486.64 is the total cost, of which \$1,757,556.64 has been paid the Contractor, and \$930.00 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, provided no claims or liens have been filed against said contract, 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 projects 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. In the event that at the end of said thirty (30) day period, claims are on file as herein provided, the City shall continue to retain from said unpaid funds, a sum not less than double the total amount of all claims on file, Chapter 573, Code of Iowa retainage amount, whichever is lesser.

BE IT FURTHER RESOLVED: That the Mayor be and is hereby authorized and directed to sign the Iowa Department of Transportation Certificate of Completion and Final Acceptance of Agreement Work.

BE IT FURTHER RESOLVED: That the Engineering Department be and is hereby authorized and directed to notify all persons and firms with outstanding Chapter 573 claims against said project, that the project has been given final acceptance as completed by this City Council, that they have 60 days from such acceptance within which to initiate suit to collect on their claims, and that if suit is not commenced within that time, the City will be required to release the retainage which it is now holding.

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

Moved by _____ to adopt.

Funds Available:

FORM APPROVED:

Kathleen Vanderpool
 Kathleen Vanderpool
 Deputy City Attorney

Allen McKinley
 Allen McKinley
 Finance Director

Funding: 2006-2007 CIP, Page Bridge-10, SW 9th Bridge over Raccoon River, BRV033, Being: \$1,000,000.00 in Federal Highway Bridge Replacement and Rehabilitation (HBRR) Funds for 80% Project Cost with maximum of \$1,000,000.00 and \$787,556.64 In G.O. Bonds from BRV033

| COUNCIL ACTION | YEAS | NAYS | PASS | ABSENT |
|----------------|------|------|------|--------|
| COWNIE | | | | |
| COLEMAN | | | | |
| HENSLEY | | | | |
| KIERNAN | | | | |
| MAHAFFEY | | | | |
| VLASSIS | | | | |
| TOTAL | | | | |

MOTION CARRIED

APPROVED

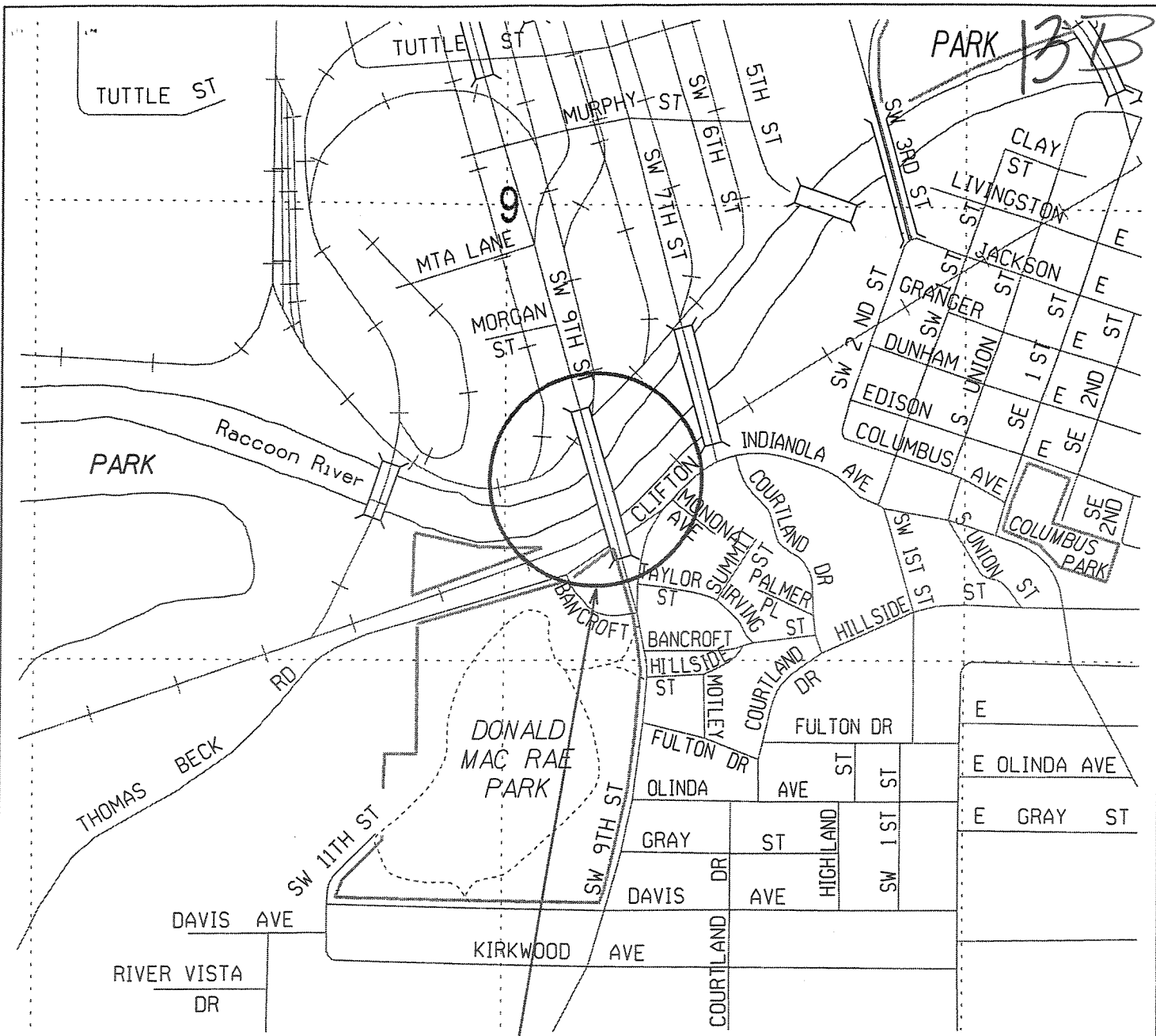
 Mayor

CERTIFICATE

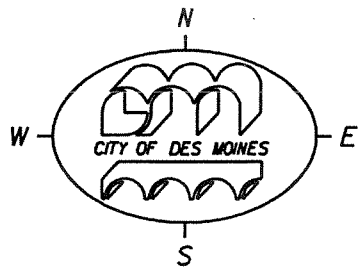
I, DIANE RAUH, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted.

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

 City Clerk



LOCATION



S.W. 9TH STREET BRIDGE
OVER RACCOON REHABILITATION

ACT. I.D. 12-2000-004

BB

PROJECT SUMMARY

SW 9th Street Bridge over Raccoon River

Activity ID 12-2000-004

On May 05, 2003 under Roll Call No. 03-1086, the Des Moines City Council awarded the contract for the above improvement to Cramer and Associates, Inc.. in the amount of \$1, 885,451.50, for bridge rehabilitation including structural concrete, reinforcing steel, structural steel, bridge floor overlay, bridge floor repairs, concrete repairs, expansion joints, waterproofing, traffic control and HMA surface course on the SW 9th Street Bridge over the Raccoon River and UPRR, within the City of Des Moines, Iowa.

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 | 07/28/03 Provide the materials for, fabrication of, installation and removal temporary falsework with foundations at Pier 4 | Engineering | \$31,999.97 |
| 2 | 06/17/04 Removal of PCC median for Traffic Control purposes. | Engineering | \$9,847.71 |
| 3 | 06/23/04 Additional Steel and Concrete related to additional Pier 4 Repairs. VE Proposal related to Sidewalk Handrail Modification. Additional costs related to final design of Pier 4 Falsework. | Contractor | \$5,985.43 |
| 4 | 08/09/04 35 Day Contract Time Extention | Engineering | \$0.00 |
| 5 | 10/22/04 Deduct Bridge Floor Repair, Class A unused in contract. Additional Bearing Materials and Labor Pier 8. Remove and Replace Two (2) Diaphragms at Pier 8. | Engineering | \$8,655.00 |
| 6 | 04/14/06 Adjustment of Bid Quantities to 'As Built' for Final Out. | Engineering | (\$153,452.97) |

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| <u>Change Order No.</u> | <u>Description</u> | <u>Initiated By</u> | <u>Amount</u> |
|-----------------------------|---|-------------------------|----------------|
| | Original Contract Amount | | \$1,885,451.50 |
| | Total Change Orders | | (\$96,964.86) |
| | Percent of Change Orders to Original Contract | | -5.14% |
| | Final Contract Amount | | \$1,788,486.64 |

CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the SW 9th Street Bridge over Raccoon River and UPRR Rehabilitation, Cramer and Associates, 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: \$1,788,486.64 As-Built Contract Cost

Funding Source: 2006-2007 CIP, Page Bridge-10, SW 9th Bridge over Raccoon River, BRV033, Being: \$1,000,000.00 in Federal Highway Bridge Replacement and Rehabilitation (HBRR) Funds for 80% Project Cost with maximum of \$1,000,000.00 and \$788,486.64 in G.O. Bonds from BRV033

CERTIFICATION OF COMPLETION:

On May 5, 2003, under Roll Call No. 03-1086, the Des Moines City Council awarded a contract to Cramer and Associates, Inc., Robert Cramer, President/CAO, 990 NE 44th Avenue, Des Moines, IA 50313 for the construction of the following improvement:

SW 9th Street Bridge over Raccoon River and UPRR Rehabilitation, 12-2000-004

Bridge rehabilitation on the SW 9th Street Bridge over the Raccoon River and UPRR including structural concrete, reinforcing steel, structural steel, bridge floor overlay, bridge floor repairs, concrete repairs, expansion joints, waterproofing, traffic control and HMA surface course in accordance with the IDOT Standard Specifications for Highway and Bridge Construction, Series 2001, plus applicable General Supplemental Specifications, Developmental Specifications, Supplemental Specifications and Special Provisions as shown on Plan Files 417-001 through 048, at the SW 9th Street Bridge over Raccoon River and UPRR, Des Moines, Polk County, Iowa.

I hereby certify that the construction of said SW 9th Street Bridge over Raccoon River and UPRR Rehabilitation, 12-2000-004, 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 May 19, 2003 and was completed on August 14, 2006.



ENGINEERING DEPARTMENT
CITY HALL
400 ROBERT D. RAY DRIVE
DES MOINES, IOWA 50309 -1891
(515) 283-4920
FAX (515) 283-4112

ALL-AMERICA CITY
1949, 1976, 1981
2003

I further certify that \$1,788,486.64 is the total cost of said improvement, of which \$1,757,556.64 has been paid the Contractor and \$930.00 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, provided no claims or liens have been filed against said contract, 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. In the event that at the end of said thirty (30) day period, claims are on file as herein provided, the City shall continue to retain from said unpaid funds, a sum not less than double the total amount of all claims on file, or the full Chapter 573 Code of Iowa retainage amount, whichever is lesser. The amount of completed work is shown on the attached Estimate of Construction Completed.

A handwritten signature in black ink, appearing to read "Jeb E. Brewer". The signature is fluid and cursive, with a long horizontal stroke at the end.

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

ESTIMATE OF CONSTRUCTION COMPLETED
FOR WORK DONE FROM 5/21/03 TO 02/23/05
PARTIAL PAYMENT NO. 11 - FINAL

ACTIVITY ID 12-2000-004
PROJECT NO. BHM-1945(660)-8K-77
DATE: 07/24/06

PROJECT: SW 9th Street Bridge over Raccoon River and UPRR Rehabilitation
CONTRACTOR: Cramer and Associates, Inc.

PARTIAL PAYMENT NO. 11 - FINAL

| LINE NO. | DESCRIPTION | UNIT | UNITS | | | CONSTRUCTED TO DATE | UNIT PRICE | TOTAL AMOUNT |
|----------|--|------|-----------|------------|--|---------------------|--------------|--------------|
| | | | ESTIMATED | AUTHORIZED | | | | |
| 0010 | Hot Mix Asphalt Mixture (1,000,000 ESAL), Surface Course, 3/8 in. mix, no special friction requirement | SY | 6,600 | 502,900 | | 502,900 | \$6.00 | \$3,017.40 |
| 0020 | Adjustment of Fixtures | EACH | 5 | 0.000 | | 0.000 | \$260.00 | \$0.00 |
| 0030 | Excavation, Class 20 | CY | 10 | 5,400 | | 5,400 | \$80.00 | \$432.00 |
| 0040 | Structural Concrete (Bridge) | CY | 158.7 | 155,600 | | 155,600 | \$985.00 | \$153,266.00 |
| 0050 | Reinforcing Steel | LBS | 43,982 | 48,046,000 | | 48,046,000 | \$1.00 | \$48,046.00 |
| 0060 | Structural Steel | LBS | 28,390 | 28,390,000 | | 28,390,000 | \$4.50 | \$127,755.00 |
| 0070 | Bridge Floor Overlay | SY | 6,425 | 6,425,000 | | 6,425,000 | \$33.00 | \$212,025.00 |
| 0080 | Bridge Floor Repair, Class A | SY | 1,115 | 773,200 | | 773,200 | \$110.00 | \$85,052.00 |
| 0090 | Bridge Floor Repair, Class B | SY | 26 | 63,300 | | 63,300 | \$300.00 | \$18,990.00 |
| 0100 | Concrete Repair | SF | 1,092 | 534,600 | | 534,600 | \$95.00 | \$50,787.00 |
| 0110 | Traffic Control | LS | 1 | 1,000 | | 1,000 | \$27,000.00 | \$27,000.00 |
| 0120 | Mobilization | LS | 1 | 1,000 | | 1,000 | \$213,000.00 | \$213,000.00 |
| 0130 | Drain Replacement | EACH | 16 | 16,000 | | 16,000 | \$2,000.00 | \$32,000.00 |
| 0140 | Median Grate Replacement | EACH | 18 | 24,000 | | 24,000 | \$550.00 | \$13,200.00 |
| 0150 | Curb Repair | LF | 3,585 | 3,719,200 | | 3,719,200 | \$60.00 | \$223,152.00 |
| 0160 | Epoxy Crack Injection | LF | 730 | 360,700 | | 360,700 | \$56.00 | \$20,199.20 |
| 0170 | Expansion Joint Relief | LF | 520 | 516,200 | | 516,200 | \$410.00 | \$211,642.00 |
| 0180 | Sidewalk Rail Modification | LS | 1 | 0.000 | | 0.000 | \$78,500.00 | \$0.00 |
| 0190 | Concrete Beam Patching | SF | 340 | 307,000 | | 307,000 | \$160.00 | \$49,120.00 |
| 0200 | Full Height Parapet Repair | SF | 1,885 | 1,418,800 | | 1,418,800 | \$60.00 | \$85,128.00 |
| 0210 | Partial Height Parapet Repair | SF | 20 | 26,400 | | 26,400 | \$130.00 | \$3,432.00 |
| 0220 | Pier Cap Waterproofing | SF | 2,160 | 2,417,000 | | 2,417,000 | \$5.00 | \$12,085.00 |
| 0230 | Sidewalk Repair | SF | 2,390 | 1,638,100 | | 1,638,100 | \$20.00 | \$32,762.00 |
| 0240 | | SF | 400 | 641,800 | | 641,800 | \$28.00 | \$17,970.40 |
| | CHANGE ORDER NO. 1 | | | | | | | |
| 0080 | Deduct Bridge Floor Repairs, Class A | SY | - | - | | - | - | \$0.00 |
| 1.01 | Supply and Install Falsework Required at Pier 4 | LS | - | 1,000 | | 1,000 | \$35,000.00 | \$35,000.00 |
| | CHANGE ORDER NO. 2 | | | | | | | |
| 0060 | Deduct to Structural Steel | LS | - | 1,000 | | 1,000 | (\$3,902.29) | (\$3,902.29) |
| 2.01 | Existing PCC Median Removal/Temporary PCC X Over | LS | - | 1,000 | | 1,000 | \$13,750.00 | \$13,750.00 |
| | CHANGE ORDER NO. 3 | | | | | | | |
| 0050 | Additional Reinforcing Steel | LBS | - | - | | - | - | \$0.00 |
| 0040 | Additional Structural Concrete | CY | - | - | | - | - | \$0.00 |
| 0180 | Sidewalk Rail Modification - Deduct | LS | - | - | | - | - | \$0.00 |
| 3.01 | Sidewalk Rail Modification/VE Proposal | LS | - | 1,000 | | 1,000 | \$51,327.85 | \$51,327.85 |

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BB

PROJECT: SW 9th Street Bridge over Raccoon River and UPRR Rehabilitation
 CONTRACTOR: Cramer and Associates, Inc. PARTIAL PAYMENT NO. 11 - FINAL

| LINE NO. | DESCRIPTION | UNIT | UNITS | | | TOTAL AMOUNT |
|----------|--|------|----------------|------------|---------------------|----------------|
| | | | ESTIMATED | AUTHORIZED | CONSTRUCTED TO DATE | |
| 3.02 | Contractor Savings Sidewalk Rail Modification/ VE Proposal | LS | | 1.000 | 1.000 | \$13,586.08 |
| 3.04 | Additional False work Costs | LS | | 1.000 | 1.000 | \$10,279.00 |
| 3.05 | Replacement of PCC Traffic Island | LS | | 1.000 | 1.000 | \$7,800.00 |
| | CHANGE ORDER NO. 4 | | | | | |
| 4.01 | Contract Time Extension | NC | | 1.000 | 1.000 | \$0.00 |
| | CHANGE ORDER NO. 5 | | | | | |
| 0080 | Deduct Bridge Floor Repairs, Class A | SY | | - | - | \$0.00 |
| 5.01 | Additional Bearing Materials and Labor at Pier 8 | LS | | 1.000 | 1.000 | \$5,905.00 |
| 5.02 | Remove and Replace two Diaphragms | LS | | 1.000 | 1.000 | \$13,750.00 |
| | CHANGE ORDER NO. 6 | | | | | |
| | Adjust final quantities to As-Built | - | | - | - | \$0.00 |
| | Adjustment in Bid Item 0010 for Reduction in Quantity | LS | | 1.000 | 1.000 | \$930.00 |
| | TOTAL CONTRACT AMOUNT | | \$1,885,451.50 | | | |
| | AMOUNT OF APPROVED CHANGE ORDERS NO. 1 Thru 6 | | (\$96,964.86) | | | |
| | TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS | | \$1,788,486.64 | | | |
| | THIS PARTIAL PAYMENT | | \$930.00 | | | |
| | PARTIAL PAYMENT NO. 1 | | \$248,570.74 | | | |
| | PARTIAL PAYMENT NO. 2 | | \$264,885.20 | | | |
| | PARTIAL PAYMENT NO. 3 | | \$309,083.73 | | | |
| | PARTIAL PAYMENT NO. 4 | | \$117,672.35 | | | |
| | PARTIAL PAYMENT NO. 5 | | \$336,690.32 | | | |
| | PARTIAL PAYMENT NO. 6 | | \$265,292.16 | | | |
| | PARTIAL PAYMENT NO. 7 | | \$50,324.99 | | | |
| | PARTIAL PAYMENT NO. 8 | | \$116,376.72 | | | |
| | PARTIAL PAYMENT NO. 9 | | \$29,005.43 | | | |
| | PARTIAL PAYMENT NO. 10 | | \$19,655.00 | | | |
| | TOTAL PARTIAL PAYMENTS | | \$1,758,486.64 | | | |
| | BALANCE | | \$30,000.00 | | | |
| | Percent Complete | 100% | | | | |
| | TOTAL | | | | | \$1,788,486.64 |
| | RETAINAGE(IDOT) | | | | | \$30,000.00 |
| | TOTAL LESS RETAINAGE | | | | | \$1,758,486.64 |
| | LESS PREVIOUS PAYMENT | | | | | \$1,757,556.64 |
| | AMOUNT DUE | | | | | \$930.00 |

PREPARED BY: *[Signature]*
 CHECKED BY: *[Signature]* 8/2/2006

PARTIAL PAYMENT NO. 11 - FINAL