



Roll Call Number

Agenda Item Number

11B

DATE August 23, 2021

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR S.E. 4TH AND VAN BUREN STORM WATER PUMP STATION IMPROVEMENTS, CRAMER AND ASSOCIATES, INC.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached report of the Des Moines City Engineer, showing the cost of the construction of the S.E. 4th and Van Buren Storm Water Pump Station Improvements, 082017007, in accordance with the contract approved between Cramer and Associates, Inc. , Robert Cramer, President/CAO, 3100 S.W. Brookside Drive, Grimes, IA 50111, under Roll Call No. 18-1040, of June 11, 2018, and the City of Des Moines, and recommending the acceptance thereof, be and the same is hereby approved, and accepted.

BE IT FURTHER RESOLVED: That \$6,962,386.40 is the total cost, of which \$6,753,514.81 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 \$208,871.59 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.

BE IT FURTHER RESOLVED: That the City Manager be and is hereby authorized and directed to certify the Pollution Prevention Plan Inspection Summary and the NPDES Stormwater General Permit Notice of Discontinuation for the above referenced project on behalf of the City of Des Moines and submit said documents to the Iowa Department of Natural Resources.

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

Moved by _____ to adopt.

FORM APPROVED:

s/Kathleen Vanderpool
Kathleen Vanderpool
Deputy City Attorney

FUNDS AVAILABLE

Nickolas J. Schaul
Nickolas J. Schaul
Director of Finance

SLN
PW

Funding Source: 2021-2022 CIP, Page 101, Flood Mitigation Improvements, SM087, Being: Stormwater Bonds to be issued

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
WESTERGAARD				
GRAY				
BOESEN				
VOSS				
MANDELBAUM				
GATTO				
TOTAL				

I, P. Kay Cmelik, City Clerk of said City Council, hereby certify that at a meeting of the City Council, 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.

MOTION CARRIED APPROVED

Mayor City Clerk

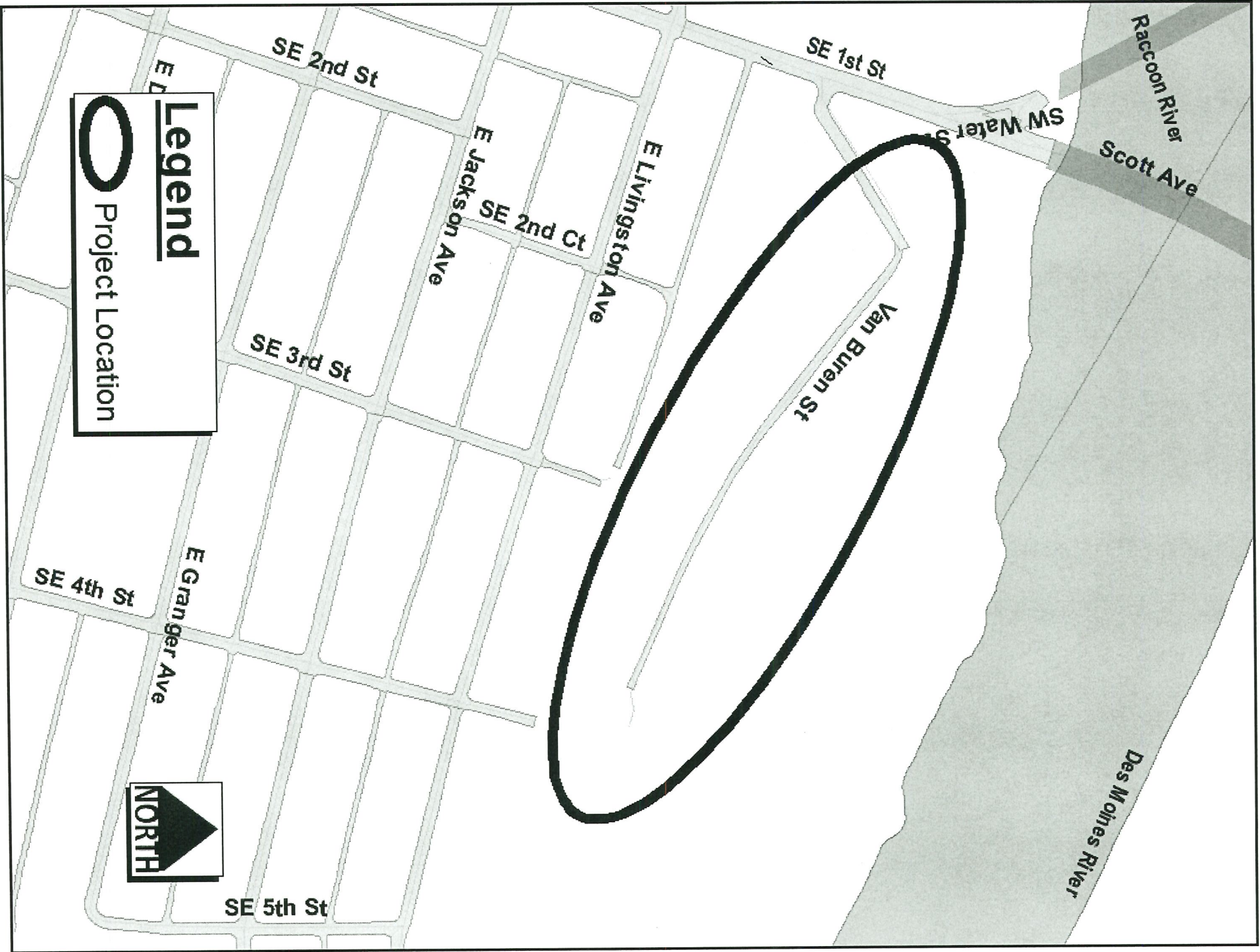
PROJECT SUMMARY

S.E. 4th and Van Buren Storm Water Pump Station Improvements

Activity ID 082017007

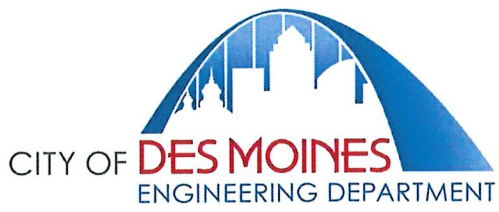
On June 11, 2018, under Roll Call No. 18-1040, the Council awarded the contract for the above improvements to Cramer and Associates, Inc. , in the amount of \$6,878,381.50. Tabulated below is a history of project change orders.

<u>Change Order No.</u>	<u>Initiated By</u>	<u>Description</u>	<u>Amount</u>
1	Consultant	11/30/2018 Modify electrical service. Change handrail material.	\$(1,844.90)
2	Engineering	9/13/2019 This change order provides for a change in communications from cellular to broadband internet.	\$21,817.40
3	Engineering	12/15/2020 Construct seepage relief trench for levee improvements. Adjust plan quantities to final as-built quantities.	\$46,059.50
4	Engineering	2/1/2021 Provide fused disconnect switch for pump.	\$17,972.90
Original Contract Amount			\$6,878,381.50
Total Change Orders			\$84,004.90
Percent of Change Orders to Original Contract			1.22%
Total Contract Amount			\$6,962,386.40



11B

August 23, 2021



CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the S.E. 4th and Van Buren Storm Water Pump Station Improvements, Cramer and Associates, Inc.

SYNOPSIS:

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

FISCAL IMPACT:

Amount: \$6,962,386.40 As-Built Contract Cost

Funding Source: 2021-2022 CIP, Page 101, Flood Mitigation Improvements, SM087, Being: Stormwater Bonds to be issued

CERTIFICATION OF COMPLETION:

On June 11, 2018, under Roll Call No. 18-1040, the City Council awarded a contract to Cramer and Associates, Inc. , Robert Cramer, President/CAO, 3100 S.W. Brookside Drive, Grimes, IA 50111 for the construction of the following improvement:

S.E. 4th and Van Buren Storm Water Pump Station Improvements, 082017007

The improvement includes construction of a three pump storm water pump station including the installation of pumps, mechanical bar screens, electrical and controls building, board formed cast-in-place concrete pump station structure, lighting, standby power generator, Reinforced Concrete Pipe (RCP) 84-inch storm sewer, cast-in-place manholes, cast-in-place headwall, 8-inch Portland Cement Concrete (PCC) pavement, 6-inch hot-mix asphalt (HMA) paving, landscaping, erosion control, restoration and miscellaneous associated work including cleanup and other incidental items; all in accordance with the contract documents, including Plans File Nos. 594-047/097, located near S.E. 4th Street and Livingston Avenue, along the south bank levee of the Des Moines River in Des Moines, Iowa

I hereby certify that the construction of said S.E. 4th and Van Buren Storm Water Pump Station Improvements, Activity ID 082017007, 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 August 20, 2018, and was completed on August 9, 2021.

I further certify that \$6,962,386.40 is the total cost of said improvement, of which \$6,753,514.81 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 \$208,871.59 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.



Steven L. Naber, P.E.
Des Moines City Engineer

FINAL QUANTITIES OF CONSTRUCTION COMPLETED

FINAL QUANTITY AGREEMENT

PROJECT: S.E. 4TH AND VAN BUREN STORMWATER PUMP STATION IMPROVEMENTS

Activity ID: 08-2017-007

CONTRACTOR: CRAMER AND ASSOCIATES

6/4/2021

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
1	MOBILIZATION	LS	1.000	1.000	1.000	\$550,000.00	\$550,000.00
2	CONSTRUCTION SURVEY	LS	1.000	1.000	1.000	\$25,000.00	\$25,000.00
3	TRAFFIC CONTROL	LS	1.000	1.000	1.000	\$4,500.00	\$4,500.00
4	DEMOLITION - EXISTING SE 4TH STREET PUMP STATION	LS	1.000	1.000	1.000	\$110,000.00	\$110,000.00
5	DEMOLITION - EXISTING SE 1ST STREET PUMP STATION	LS	1.000	1.000	1.000	\$7,500.00	\$7,500.00
6	DEMOLITION - EXISTING RIVER HEADWALL	LS	1.000	1.000	1.000	\$11,000.00	\$11,000.00
7	SE 4TH STORMWATER PUMPING STATION - ARCHITECTURAL/STRUCTURAL	LS	1.000	1.000	1.000	\$1,925,000.00	\$1,925,000.00
8	SE 4TH STORMWATER PUMPING STATION - PROCESS	LS	1.000	1.000	1.000	\$1,900,000.00	\$1,900,000.00
9	SE 4TH STORMWATER PUMPING STATION - ELECTRICAL/CONTROLS	LS	1.000	1.000	1.000	\$1,200,000.00	\$1,200,000.00
10	SE 1ST STORMWATER PUMPING STATION - STRUCTURAL	LS	1.000	1.000	1.000	\$30,000.00	\$30,000.00
11	SE 1ST STORMWATER PUMPING STATION - PROCESS	LS	1.000	1.000	1.000	\$60,000.00	\$60,000.00
12	SE 1ST STORMWATER PUMPING STATION - ELECTRICAL/CONTROLS	LS	1.000	1.000	1.000	\$30,000.00	\$30,000.00
13	EXISTING INLET STRUCTURE MODIFICATIONS	LS	1.000	1.000	1.000	\$28,000.00	\$28,000.00
14	GATEWELL 330 IMPROVEMENTS	LS	1.000	1.000	1.000	\$55,000.00	\$55,000.00
15	RIVER HEADWALL	LS	1.000	1.000	1.000	\$140,000.00	\$140,000.00
16	CLEARING & GRUBBING	LS	1.000	1.000	1.000	\$7,500.00	\$7,500.00
17	TOPSOIL, ON-SITE, STRIP, SALVAGE & SPREAD	CY	740.000	740.000	740.000	\$15.00	\$11,100.00
18	EXCAVATION & GRADING, CLASS 10 (FILL)	CY	2,462.000	2,462.000	2,462.000	\$30.00	\$73,860.00
19	MODIFIED SUBBASE, 6" DEPTH	SY	418.000	418.000	418.000	\$12.00	\$5,016.00
20	STORM SEWER, TRENCHED, CLASS IV RCP, 84-INCH	LF	64.000	64.000	64.000	\$1,000.00	\$64,000.00
21	STORM SEWER, TRENCHED, CLASS III RCP, 84-INCH	LF	126.000	126.000	126.000	\$700.00	\$88,200.00
22	REMOVAL OF STORM SEWER, LRCP, 66"	LF	60.000	60.000	60.000	\$30.00	\$1,800.00
23	SPECIAL STRUCTURE 2701	EA	1.000	1.000	1.000	\$72,000.00	\$72,000.00
24	SPECIAL STRUCTURE 2702	EA	1.000	1.000	1.000	\$85,000.00	\$85,000.00
25	SPECIAL STRUCTURE 2703	EA	1.000	1.000	1.000	\$165,000.00	\$165,000.00
26	SANITARY SEWER MANHOLE ADJUSTMENT, MAJOR	EA	1.000	1.000	1.000	\$4,000.00	\$4,000.00
27	CONNECTION TO EXISTING STRUCTURE	EA	2.000	2.000	2.000	\$10,000.00	\$20,000.00
28	REMOVAL OF SHARED USE PATH, HMA	SY	276.000	276.000	276.000	\$10.00	\$2,760.00
29	REMOVAL OF DRIVEWAY, HMA	SY	35.000	35.000	35.000	\$10.00	\$350.00
30	SHARED USE PATH, HMA, 6" THICKNESS	SY	276.000	325.000	325.000	\$51.00	\$16,575.00
31	DRIVEWAY, PAVED, PCC, 8"	SY	418.000	418.000	418.000	\$70.00	\$29,260.00
32	GRANULAR SURFACING	TON	11.000	11.000	11.000	\$50.00	\$550.00
33	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING, TYPE 4	ACRE	2.270	2.270	2.270	\$1,800.00	\$4,086.00

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
34	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING, LEVEE MIX	ACRE	1.500	1.500	1.500	\$3,920.00	\$5,880.00
35	TREE PLANTING/RESTORATION	LS	1.000	1.000	1.000	\$12,450.00	\$12,450.00
36	PLANTS WITH WARRANTY (DECORATIVE LANDSCAPING)	LS	1.000	1.000	1.000	\$21,305.00	\$21,305.00
37	SWPPP PREPARATION AND MANAGEMENT	LS	1.000	1.000	1.000	\$6,250.00	\$6,250.00
38	STABILIZED CONSTRUCTION ENTRANCE	LS	1.000	1.000	1.000	\$5,000.00	\$5,000.00
39	SILT FENCE, INSTALLATION AND REMOVAL	LF	1,000.000	1,355.000	1,355	\$1.60	\$2,168.00
40	FILTER SOCK, INSTALLATION AND REMOVAL	LF	1,000.000	70.000	70	\$0.40	\$28.00
41	TEMPORARY ROLLED EROSION CONTROL PRODUCT, TYPE 3	SY	2,000.000	0.000	0.000	\$1.63	\$0.00
42	RIP RAP, CLASS E	TONS	180.000	180.000	180.000	\$50.00	\$9,000.00
43	GROUT	CY	20.000	20.000	20.000	\$300.00	\$6,000.00
44	GABIONS, GALVANIZED STEEL BASKETS	CY	160.000	160.000	160.000	\$200.00	\$32,000.00
45	GABION STONE BACKFILL	TON	54.000	54.000	54.000	\$65.00	\$3,510.00
46	CHAIN LINK FENCE, BLACK VINYL COATED, 8-FT HEIGHT	LF	500.000	500.000	500.000	\$31.85	\$15,925.00
47	CONCRETE MOW STRIP	LF	500.000	500.000	500.000	\$10.00	\$5,000.00
48	GATE, CHAIN LINK, BLACK VINYL COATED, 12-FT WIDE, 8-FT HEIGHT	EA	2.000	2.000	2.000	\$975.00	\$1,950.00
49	GATE, CHAIN LINK, BLACK VINYL COATED, 6-FT WIDE, 8-FT HEIGHT	EA	5.000	5.000	5.000	\$640.00	\$3,200.00
50	BARBED WIRE, TYPE I SLANTED SUPPORTING ARM.	LF	554.000	554.000	554.000	\$1.75	\$969.50
51	REMOVE EXISTING FENCE	LF	518.000	518.000	518.000	\$3.00	\$1,554.00
52	TREE PROTECTION FENCE	LF	1,850.000	50.000	50	\$2.20	\$110.00
53	TREE TRUNK PROTECTION	EA	6.000	0.000	0.000	\$250.00	\$0.00
54	BOLLARDS	EA	8.000	8.000	8.000	\$1,000.00	\$8,000.00
55	CONCRETE WASHOUT	LS	1.000	1.000	1.000	\$5,000.00	\$5,000.00
1.01	MODIFY ELECTRICAL SERVICE	LS	0.000	1.000	1.000	\$1,145.10	\$1,145.10
1.02	CHANGE HANDRAILS TO FRP	LS	0.000	1.000	1.000	(\$2,990.00)	(\$2,990.00)
			0.000	0.000			
2.01	COMMUNICATION CHANGE TO INTERNET	LS	0.000	1.000	1.000	\$21,817.40	\$21,817.40
3.01	DISCHARGE BOX CONCRETE FILL	LS	0.000	1.000	1.000	\$10,500.00	\$10,500.00
3.02	MECHANICAL REBAR COUPLINGS	LS	0.000	1.000	1.000	\$1,900.00	\$1,900.00
3.03	SEEPATE RELIEF TRENCH	LS	0.000	1.000	1.000	\$30,457.15	\$30,457.15
3.04	ETHERNET SWITCH	LS	0.000	1.000	1.000	\$1,530.65	\$1,530.65
3.05	CONTROL CABINET AC UNIT	LS	0.000	1.000	1.000	\$7,696.70	\$7,696.70
4.01	FUSED DISCONNECT SWITCHES	LS	0.000	1.000	1.000	\$17,972.90	\$17,972.90
	TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS		\$6,962,386.40				
	PARTIAL PAYMENT No. 1		\$122,125.91				
	PARTIAL PAYMENT No. 2		\$351,405.78				
	PARTIAL PAYMENT No. 3		\$84,390.00				
	PARTIAL PAYMENT No. 4		\$593,764.64				
	PARTIAL PAYMENT No. 5		\$106,748.99				

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
	PARTIAL PAYMENT No. 6		\$112,338.12				
	PARTIAL PAYMENT No. 7		\$1,643,520.47				
	PARTIAL PAYMENT No. 8		\$205,397.50				
	PARTIAL PAYMENT No. 9		\$496,797.63				
	PARTIAL PAYMENT No. 10		\$396,987.05				
	PARTIAL PAYMENT No. 11		\$121,544.88				
	PARTIAL PAYMENT No. 12		\$891,188.47				
	PARTIAL PAYMENT No. 13		\$137,483.76				
	PARTIAL PAYMENT No. 14		\$225,171.91				
	PARTIAL PAYMENT No. 15		\$118,825.00				
	PARTIAL PAYMENT No. 16		\$162,828.08				
	PARTIAL PAYMENT No. 17		\$200,782.22				
	PARTIAL PAYMENT No. 18		\$261,234.09				
	PARTIAL PAYMENT No. 19		\$104,769.70				
	PARTIAL PAYMENT No. 20		\$225,812.61				
	PARTIAL PAYMENT No. 21		\$120,018.29				
	PARTIAL PAYMENT No. 22		\$52,945.99				
	PARTIAL PAYMENT No. 23		\$17,433.72				
	TOTAL PARTIAL PAYMENTS		\$6,753,514.81				
	BALANCE		\$208,871.59				

TOTAL	\$6,962,386.40
RETAINAGE	\$208,871.59
TOTAL LESS RETAINAGE	\$6,753,514.81
LESS PREVIOUS PAYMENT	\$6,753,514.81
AMOUNT DUE	\$0.00

PREPARED BY: *Matt Radwin*
CHECKED BY: *Joshua A. Jones*
CONTRACTOR APPROVAL: *Robert Hammer*

FINAL QUANTITY AGREEMENT