

DATE October 8, 2012

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT
FOR JACKSON AVENUE DETENTION BASIN PUMP STATION, RICE LAKE CONTRACTING CORP.
DBA RICE LAKE CONSTRUCTION GROUP**

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 Jackson Avenue Detention Basin Pump Station, 08-2009-004, in accordance with the contract approved between Rice Lake Contracting Corp. dba Rice Lake Construction Group, Luke Spalj, C.E.O., 22360 County Road 12, Deerwood, MN 56444, under Roll Call No. 10-1503, of September 13, 2010, 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 \$5,811,072.27 is the total cost, of which \$5,404,792.48 has been paid the Contractor, and \$115,726.18 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$290,553.61 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.

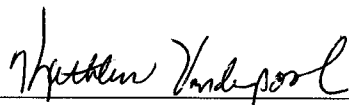
BE IT FURTHER RESOLVED: That the City Manager be and is hereby authorized and directed to certify the Pollution Prevention Plan Inspection Summary and the NPDES Stormwater General Permit Notice of Discontinuation for the above referenced project on behalf of the City of Des Moines and submit said documents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

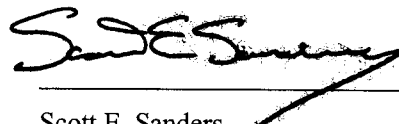
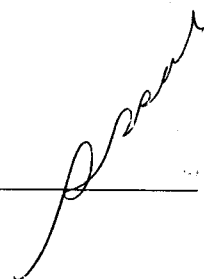
BE IT FURTHER RESOLVED: That the Des Moines Finance Director be and is hereby authorized to release said retainage if suit is not filed as above provided.

Moved by _____ to adopt.

FORM APPROVED:


FUNDS AVAILABLE




_____ 

Kathleen Vanderpool
Deputy City Attorney

Scott E. Sanders
Des Moines Finance Director

 Funding Source: 2012-2013 CIP, Page Storm -7, Crawford Creek - Watershed Improvements, STE074, Being: \$5,000,000 maximum in HUD Disaster funds from the Iowa Department of Economic Development for 100% of construction costs associated with the Jackson Avenue Detention Basin Pump Station in Federal Jumpstart Infrastructure Assistance funds, and remaining \$811,072.27 in Storm Water Revenue Bonds from STE074

08-DRI-235



Roll Call Number

Agenda Item Number

11 B

DATE October 8, 2012

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GRIESS				
HENSLEY				
MAHAFFEY				
MEYER				
MOORE				
TOTAL				

MOTION CARRIED

APPROVED

Mayor

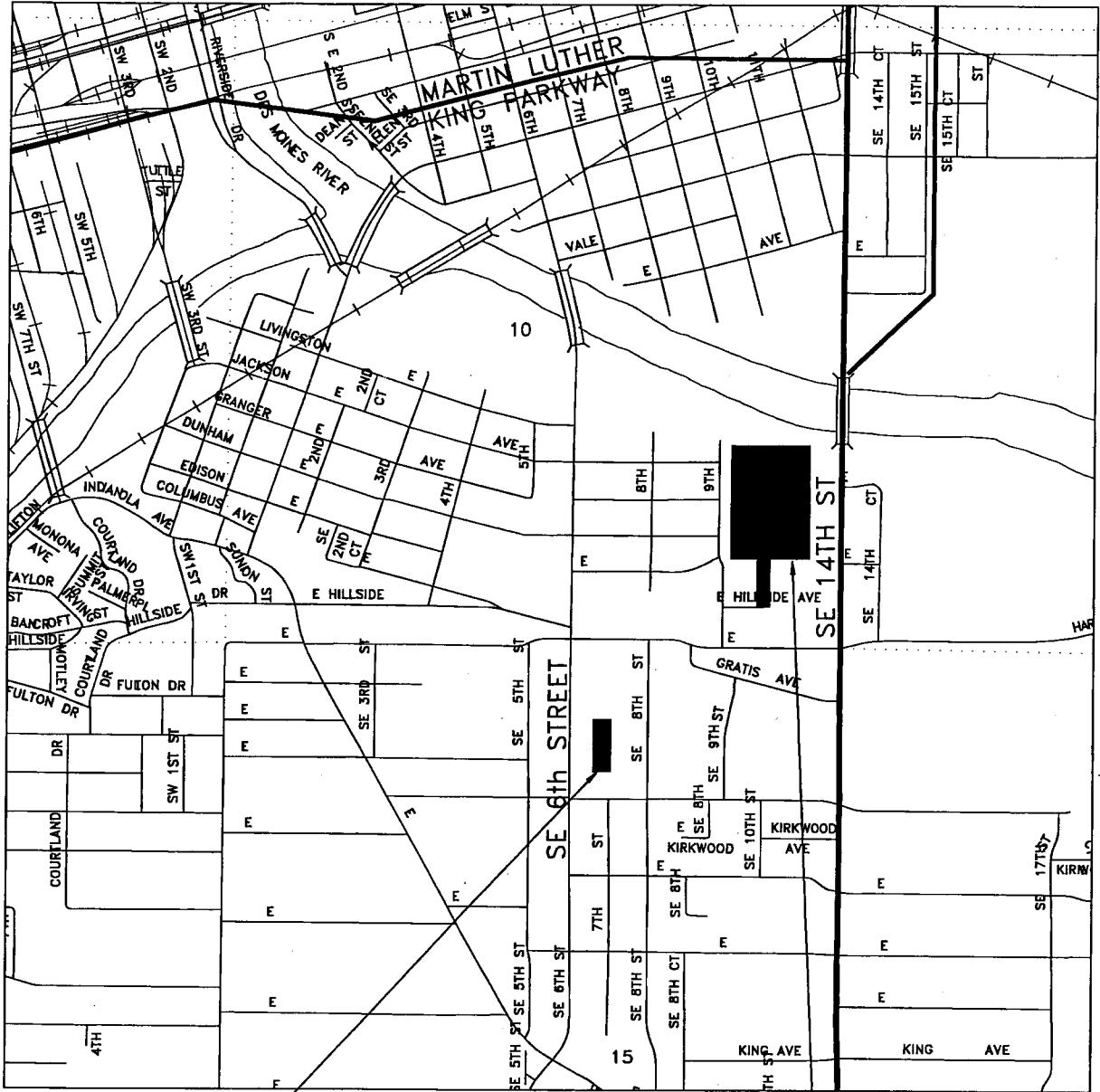
CERTIFICATE

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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SE 6th
PROJECT
LOCATION

LOCATION MAP
NTS



JACKSON BASIN
PROJECT
LOCATION

JACKSON AVENUE DETENTION BASIN PUMP STATION ACTIVITY I.D. 08-2009-004



PROJECT SUMMARY

Jackson Avenue Detention Basin Pump Station

Activity ID 08-2009-004

On September 13, 2010, under Roll Call No. 10-1503, the Council awarded the contract for the above improvements to Rice Lake Contracting Corp. dba Rice Lake Construction Group, in the amount of \$5,455,000.00. Tabulated below is a history of project change orders.

Change Order No.	Initiated By	Description	Amount
1	Engineering	10/20/2010 Additional cost of levee rubble disposal and field grading modification for backfills.	\$95,000.00
2	Consultant	11/1/2010 Increase generator cable feed size to 500 MCM, and associated conduit sizing.	\$19,194.00
3	Consultant	12/7/2010 Add subdrain Gate valves for added maintenance flexibility	\$3,217.00
4	Engineering	2/18/2011 Additional foundation rock for more uniform subgrade under cunnette	\$24,998.50
5	User	2/21/2011 Pump Station and Drop structure alterations for anticipated 1.8 foot flood rise resulting from 2010 Corps of Engineers, Regulated Flow Frequency Study.	\$21,629.00
6	Regulator	3/28/2011 1.8 foot levee rise grading changes for Corps of Engineers regulated flood frequency changes; Expenses to expedite grading to meet Corps intermediate completion; revise basin grades; subdrain; additional SE 6th Channel grading and revise river headwall footing.	\$123,885.00
7	Contractor	4/25/2011 Railing extension from new retaining wall along existing gate well inlet head wall and fiberglass grating wall connection modification required by Corps of Engineers levee modification	\$5,537.00
8	User	5/2/2011	\$10,370.00

		Exchange of specified PLC and Monitoring equipment with new generation Compac Logix CPU and Telog - cell phone based monitoring system	
9	City	5/16/2011 Prorate 3" rock drive surfacing and additional 2" Asphalt restoration	\$24,503.60
10	City	10/3/2011 Grating changes and cable changes resulting from levee rise alterations, and additional minor recabling resulting in reduced maintenance.	\$13,031.75
11	City	10/17/2011 Increased low flow jockey pump and exterior piping for additional low flow maintenance flexibility	\$15,106.35
12	City	9/19/2012 Close out change order adjusting final quantity bid items to as-constructed measured quantities and paying for requested clean up Change Order(COP) items 20, 23, 24, 26 & 28	\$(399.93)
		Original Contract Amount	\$5,455,000.00
		Total Change Orders	\$356,072.26
		Percent of Change Orders to Original Contract	6.53%
		Total Contract Amount	\$5,811,072.27

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October 8, 2012



CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the Jackson Avenue Detention Basin Pump Station, Rice Lake Contracting Corp. dba Rice Lake Construction Group.

SYNOPSIS:

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

FISCAL IMPACT:

Amount: \$5,811,072.27 As-Built Contract Cost

Funding Source: 2012-2013 CIP, Page Storm -7, Crawford Creek - Watershed Improvements, STE074, Being: \$5,000,000 maximum in HUD Disaster funds from the Iowa Department of Economic Development for 100% of construction costs associated with the Jackson Avenue Detention Basin Pump Station in Federal Jumpstart Infrastructure Assistance funds, and remaining \$811,072.27 in Storm Water Revenue Bonds from STE074

CERTIFICATION OF COMPLETION:

On September 13, 2010, under Roll Call No. 10-1503, the City Council awarded a contract to Rice Lake Contracting Corp. dba Rice Lake Construction Group, Luke Spalj, C.E.O., 22360 County Road 12, Deerwood, MN 56444 for the construction of the following improvement:

Jackson Avenue Detention Basin Pump Station, 08-2009-004

The improvement includes construction of a storm water pump station, regrading of Jackson basin, installation of 486' of 14' X 5' RC Box Culvert, 110' of 42" sewer by S.E. 6th Street and miscellaneous associated work including cleanup and other incidental items; in accordance with the contract documents, including Plans File Nos. 516-144/180, at the Jackson Avenue Detention Basin, 1503 S.E. 9th Street, Des Moines, Iowa

I hereby certify that the construction of said Jackson Avenue Detention Basin Pump Station, Activity ID 08-2009-004, 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 September 30, 2010, and was completed on September 26, 2012.

I further certify that \$5,811,072.27 is the total cost of said improvement, of which \$5,404,792.48 has been paid the Contractor and \$115,726.18 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$290,553.61 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.

A handwritten signature in black ink, appearing to read "Jeb E. Brewer, P.E.", with a stylized flourish at the end.

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

**ESTIMATE OF WORK COMPLETED
FOR WORK DONE 04/04/12 TO 06/13/12
PARTIAL PAYMENT NO. 15 & Final**

PROJECT: Jackson Avenue Detention Basin Pump Station

TOTAL

ITEM	DESCRIPTION	UNIT	AUTOR QUANTITY	CONSTRUCTED TO DATE	UNIT PRICE	AMOUNT
1	PROJECT SIGN LARGE - IDED	LS	1	1.00	\$500.00	\$500.00
2	MOBILIZATION	LS	1	1.0000000	\$210,000.00	\$210,000.00
3	EROSION CONTROL	LS	1	1.0000000	\$9,500.00	\$9,500.00
4	CONSTRUCTION STAKING	LS	1	1.00	\$12,000.00	\$12,000.00
5	2" ASPHALT OVERLAY	TON	226.58	226.58	\$135.00	\$30,588.30
	JACKSON BASIN - Bid Items 6-37					
6	CLEARING AND GRUBBING	LS	1	1.00	\$9,000.00	\$9,000.00
7	EXCAVATION CLASS 10	CY	57	57.00	\$25.00	\$1,425.00
8	TOPSOIL, STRIP SALVAGE AND SPREAD	CY	28200	28,200.00	\$3.00	\$84,600.00
9	CUNETTE	LF	1989.9	1,989.90	\$100.00	\$198,990.00
10	12" SUBGRADE PREPARATION	LF	1989.9	1,989.90	\$2.45	\$4,875.26
11	6" SUBDRAIN (TYPE 2)	LF	13971	13,971.00	\$10.50	\$146,695.50
12	8" SUBDRAIN (TYPE 2)	LF	1007	1,007.00	\$13.60	\$13,695.20
13	6" SUBDRAIN CLEANOUT (TYPE 2)	EA	15	15.00	\$243.00	\$3,645.00
14	8" SUBDRAIN CLEANOUT (TYPE 2)	EA	2	2.00	\$343.00	\$686.00
15	ACCESS ROAD GEOGRID SUBGRADE TREATMENT	SY	1502.46	1,502.46	\$2.25	\$3,380.54
16	SITE AND ACCESS ROAD GRANULAR DRIVEWAY SURFACING	SY	2343.75	2,343.75	\$10.40	\$24,375.00
17	CHAIN LINK FENCE, 96" HEIGHT, W/ THREE WIRE BARBED.	FT	192.5	192.50	\$30.00	\$5,775.00
18	CHAIN LINK FENCE GATE, 16 FEET WIDE	EA	1	1.00	\$1,400.00	\$1,400.00
19	CHAIN LINK FENCE GATE, 4 FEET WIDE	EA	2	2.00	\$375.00	\$750.00
20	STORM SEWER, 84" CLASS 3 RCP	LF	212	212.00	\$4.34	\$920.08
21	FOUNDATION ROCK	TON	2367.5	2,367.50	\$17.30	\$40,957.75
22	GUARDPOST, BOLLARD	EA	10	10.00	\$500.00	\$5,000.00
23	ENGINE GENERATOR	LS	1	1.00	\$564,504.44	\$564,504.44
24	ENGINE GENERATOR (INSTALLATION)	EA	1	1.00	\$8,000.00	\$8,000.00
25	CONCRETE GENERATOR FOUNDATION PAD	EA	1	1.00	\$3,000.00	\$3,000.00
26	CONCRETE TRANSFORMER FOUNDATION PAD	EA	1	1.00	\$23,500.00	\$23,500.00
27	DES MOINES RIVER HEADWALL	EA	1	1.00	\$125,000.00	\$125,000.00
28	STORMWATER PUMPS	LS	1	1.00	\$823,695.00	\$823,695.00
29	PUMP STATION AND DROP STRUCTURE	LS	1	1.000000000	\$2,490,304.00	\$2,490,304.00
30	EXISTING GATE STRUCTURE ACTUATORS AND FLOATS	LS	1	1.00	\$50,000.00	\$50,000.00
31	SEEDING AND MULCHING LEVEE MIX	ACRE	20.18	20.18	\$950.00	\$19,171.00
32	SEEDING, STABILIZING CROP	ACRE	0	0	\$550.00	\$0.00
33	REVETMENT CLASS D	TON	401.94	401.94	\$48.00	\$19,293.12
34	LEVEE RESTORATION	EA	0	0.0000000	\$78,111.00	\$0.00
35	EXISTING BOX CULVERT APRON REPAIR	LS	1	1.00	\$29,299.00	\$29,299.00
36	TREE PROTECTION	LS	0	0	\$550.00	\$0.00

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ITEM	DESCRIPTION	UNIT	AUTOR QUANTITY	CONSTRUCTED TO DATE	UNIT PRICE	AMOUNT
37	TREE FENCE PROTECTION	LF	84	84.00	\$3.00	\$252.00
	SE STORM FROM SCORNOVACCA's - Bid Items 38-44					
38	CLEARING AND GRUBBING	LS	1	1.00	\$17,000.00	\$17,000.00
39	STORM SEWER, 14X5 RCBC	LF	494	494.00	\$761.00	\$375,934.00
40	SPECIAL STRUCTURE #1	LS	1	1.00	\$15,000.00	\$15,000.00
41	SEEDING	ACRE	1.1	1.10	\$1,500.00	\$1,650.00
42	CHAIN LINK FENCE, HEIGHT TO MATCH EXISTING	LF	0		\$17.00	\$0.00
43	CONCRETE PAVING	SY	33.67	33.67	\$30.00	\$1,010.10
44	WOOD FENCE, 72"	LF	40	40.00	\$25.00	\$1,000.00
	E. HILLSIDE AVENUE - Bid Items 45-51					
45	CLEARING AND GRUBBING	LS	1	1.00	\$1,000.00	\$1,000.00
46	DRAINAGE CHANNEL	LF	367	367.00	\$18.50	\$6,789.50
47	CHAINLINK FENCE, HEIGHT TO MATCH EXISTING	LF	42	42.00	\$20.00	\$840.00
48	SOD	SQ	38.01	38.01	\$45.00	\$1,710.45
49	TREE PROTECTION	LS	0		\$550.00	\$0.00
50	TREE FENCE PROTECTION	LF	0		\$3.00	\$0.00
51	EROSION STONE	TON	2	2.00	\$35.00	\$70.00
	SE 6th STREET - Bid Items 52-59					
52	CLEARING AND GRUBBING	LS	1	1.00	\$4,000.00	\$4,000.00
53	STORM SEWER, 42" CLASS 3 RCP	LF	184	184.00	\$175.00	\$32,200.00
54	INTAKE STRUCTURES	EA	2	2.00	\$3,750.00	\$7,500.00
55	DRAIN CONNECTIONS	EA	3	3.00	\$850.00	\$2,550.00
56	SOD	SQ	145	145.00	\$45.00	\$6,525.00
57	CHAINLINK FENCE, HEIGHT TO MATCH EXISTING	LF	52	52.00	\$20.00	\$1,040.00
58	TREE PROTECTION	LS	1	1.00	\$550.00	\$550.00
59	TREE FENCE PROTECTION	LF	51	51.00	\$3.00	\$153.00
	Change Orders					
1.01	Additional Rubble Replacement Costs(Time & Rate documented)	LS	0.8272	0.8272	\$95,000.00	\$78,584.00
2.01	66" Cottonwood tree removal	LS	1	1.00	\$5,250.00	\$5,250.00
2.02	300 MCM to 500 MCM Generator feed increase	LS	1	1.000	\$13,944.00	\$13,944.00
3.01	8" gate valves on subdrain near pump station	EA	2	2.00	\$1,608.50	\$3,217.00
4.00	Increase of bid item 21 quantity authorized quantity					
5.01	Structural concrete, 1.8' Pump Sta.Drop Struct. Rise	CY	21	21.00	\$609.00	\$12,789.00
5.02	Structural Steel Reinforcing, 1.8' Pump Sta.Drop Struct. New	TON	3	3.00	\$1,650.00	\$4,950.00
5.03	Structural Steel Reinforcing, 1.8' Pump Sta.Drop Struct. Modify	TON	2	2.00	\$1,570.00	\$3,140.00
5.04	Sand Fill, Interior	CY	15	15.00	\$50.00	\$750.00
6.01	RFP #4 , 1.8 ft Levee Rise Grading & Retaining Wall	LS	1	1.00	\$40,452.00	\$40,452.00
6.02	Expedited Levee Replacement Cost	LS	1	1.00	\$19,629.00	\$19,629.00
6.03	Expedited Cunette & Special Struct. 1 Excavation	LS	1	1.00	\$8,000.00	\$8,000.00
6.04	Revised Basin grades	LS	1	1.00	\$6,000.00	\$6,000.00
6.05	Additional Subdrain Work	LS	1	1.00	\$35,000.00	\$35,000.00
6.06	COP #10, Additional SE 6th Channel grading	LS	1	1.00	\$6,300.00	\$6,300.00
6.07	COP #11, Revised River Headwall Footing	LS	1	1.00	\$8,504.00	\$8,504.00

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ITEM	DESCRIPTION	UNIT	AUTOR QUANTITY	CONSTRUCTED TO DATE	UNIT PRICE	AMOUNT
7.01	Railing extension on existing retaining wall (COP # 13)	LF	31	31.00	\$135.00	\$4,185.00
7.02	Fiberglass grating wall connection modification (COP # 14)	LS	1	1.00	\$1,892.00	\$1,892.00
8.01	Complete Updated Control & Monitoring w-Compac Logix & Telog-cell phone	LS	1	1.00	\$10,370.00	\$10,370.00
9.00	Increase of bid items 5 and 16 for driveway and road restoration changes					
10.01	COP 16- Winch conduit, E-4 conduit, & pump conduit less credit	LS	1	1.00	\$4,601.75	\$4,601.75
10.02	COP 18- Fiber grating changes etc.	LS	1	1.00	\$8,430.00	\$8,430.00
11.01	COP 19- Increased jockey pump & exterior discharge piping	LS	1	1.00	\$15,106.35	\$15,106.35
12.01	COP 20 - added rip rap & grading at SE 6th	LS	1	1.00	\$2,766.86	\$2,766.86
12.02	COP 23 - Gate Stem rework - existing Gatewell	LS	1	1.00	\$2,620.00	\$2,620.00
12.03	COP 24 - MH casting Risers for SE 9th overlay	EA	2	2.00	\$262.50	\$525.00
12.04	COP 26 - Flowable Mortar at Outfall riprap	LS	1	1.00	\$5,653.00	\$5,653.00
12.05	COP 28 - Elect. Pump Reversing starter replacement	LS	1	1.00	\$7,638.75	\$7,638.75
12.06	Liquidated Damages, Intermediate Completion non-compliance	LS	1	1.00	-\$5,000.00	-\$5,000.00
12.07	BI 34 non-emergency levee restoration	LS	1	1.00	\$58,482.00	\$58,482.00
12.08	2:135 SE 6th Driveway Overflow grading	LS	1	1.00	\$4,765.56	\$4,765.56
12.09	COP 16- conduit double deduct correction	LS	1	1.00	\$1,227.76	\$1,227.76
SUBTOTAL						\$5,811,072.27
LESS ANTICIPATED LIQUIDATED DAMAGES (CALENDAR DAYS X \$500)						0
TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS						\$5,811,072.27

LESS ANTICIPATED LIQUIDATED DAMAGES (CALENDAR DAYS X \$500)

- Partial Payment No. 1 \$230,258.15
- Partial Payment No. 2 \$61,655.66
- Partial Payment No. 3 \$616,124.51
- Partial Payment No. 4 \$836,506.47
- Partial Payment No. 5 \$387,830.15
- Partial Payment No. 6 \$667,896.15
- Partial Payment No. 7 \$2,012,945.28
- Partial Payment No. 8 \$260,658.32
- Partial Payment No. 9 \$75,361.32
- Partial Payment No. 10 \$52,243.53
- Partial Payment No. 11 \$47,334.81
- Partial Payment No. 12 \$26,988.87
- Partial Payment No. 13 \$52,743.66
- Partial Payment No. 14 \$76,245.60
- Partial Payment No. 15 \$115,726.18

This Partial Payment No. 15 \$115,726.18

Prepared By: <u>Bruce Rydberg</u>	Total Partial Payments	\$5,520,518.66	TOTAL	\$5,811,072.27
Checked By: <u>[Signature]</u>	Remaining to be Paid	\$290,553.61	RETAINED	\$290,553.61
	Percent Completion	100.00%	TOTAL LESS RETAINAGE	\$5,520,518.66
			LESS PREVIOUS PAYMENT	\$5,404,792.48
			AMOUNT DUE	\$115,726.18