

DATE January 28, 2019

ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT FOR 30TH STREET AND JEFFERSON AVENUE CULVERT REPLACEMENT AT CLOSES CREEK, JASPER CONSTRUCTION SERVICES, 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 30th Street and Jefferson Avenue Culvert Replacement at Closes Creek, 08-2016-004, in accordance with the contract approved between Jasper Construction Services, Inc., Cliff Rhoads, President, 928 N 19th Avenue East, Newton, IA 50208, under Roll Call No. 16-1780, of October 10, 2016, 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 \$876,255.08 is the total cost, of which \$823,501.47 has been paid the Contractor, and \$26,465.96 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$26,287.65 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 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

[Signature of Kathleen Vanderpool]

[Signature of Robert L. Fagen]

Kathleen Vanderpool
Deputy City Attorney

Robert L. Fagen
Des Moines Finance Director

SLW Funding Source: 2018-2019 CIP, Page Storm - 5, Closes Creek Watershed Improvements, SM068, Storm Water Utility Funds

Table with 5 columns: COUNCIL ACTION, YEAS, NAYS, Pass, ABSENT. Rows include COWNIE, BOESEN, COLEMAN, GATTO, GRAY, MANDELBAUM, WESTERGAARD, and TOTAL.

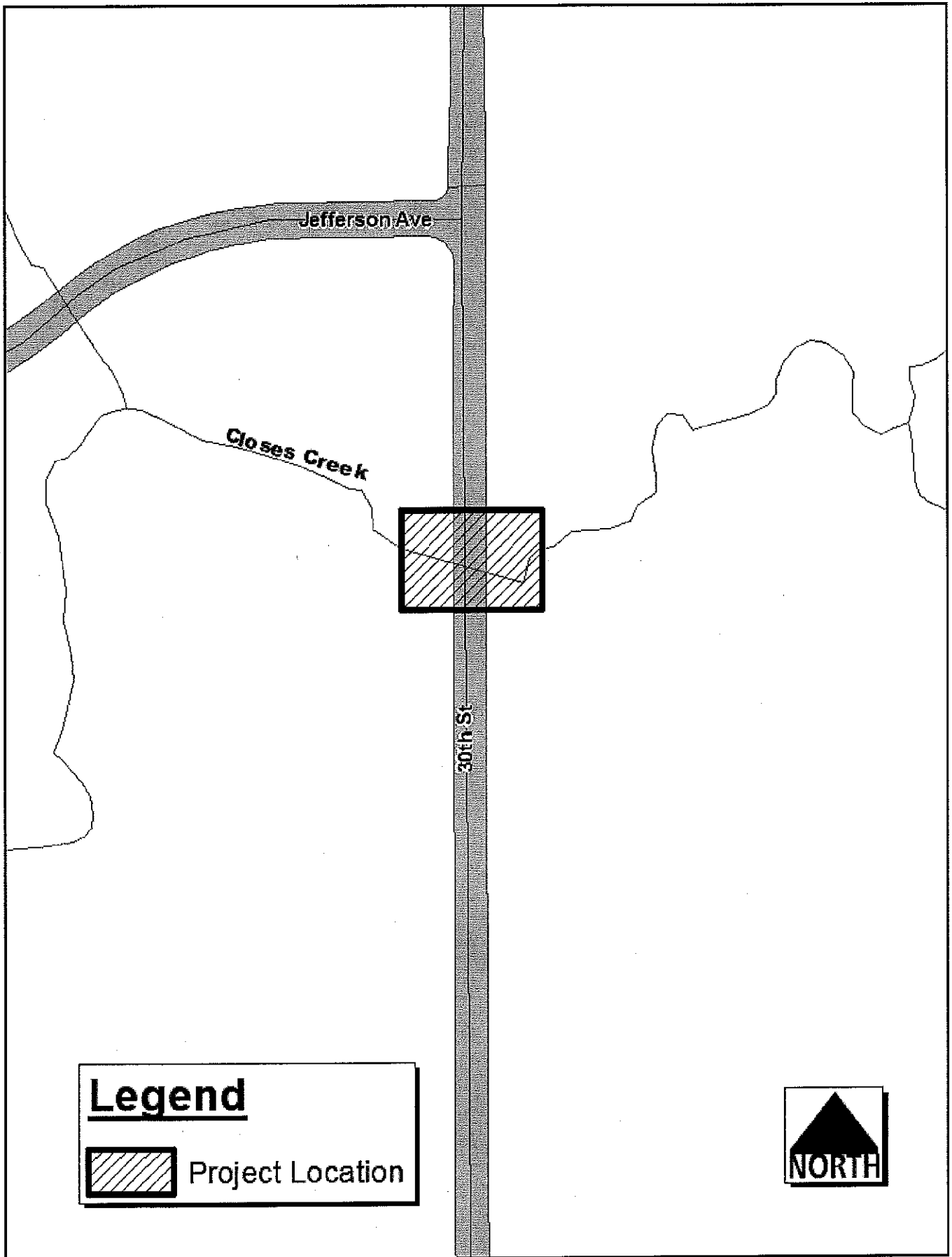
CERTIFICATE

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.

\_\_\_\_\_  
Mayor

\_\_\_\_\_  
City Clerk



**Legend**



Project Location



12B



## PROJECT SUMMARY

### 30th Street and Jefferson Avenue Culvert Replacement at Closes Creek

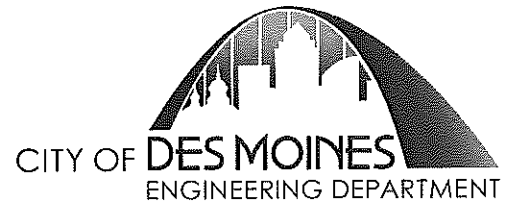
#### Activity ID 08-2016-004

On October 10, 2016, under Roll Call No. 16-1780, the Council awarded the contract for the above improvements to Jasper Construction Services, Inc., in the amount of \$697,399.00. 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	Contractor	5/31/2017 Intake 5 changes, roof drainage changes, reinforced sidewalk replacement and 4 additional days added for additional and changed work at 3019 Jefferson.	\$4,425.00
2	Contractor	7/17/2017 Additional geogrid and 6 inch thick foundation rock for culvert installation.	\$9,588.13
3	Contractor	8/29/2017 Triple Intake Wall Modifications and Black Vinyl Fence upgrade	\$12,917.55
4	City	9/21/2017 Reinforced PCC 8 inch pavement repair.	\$24,900.00
5	City	10/6/2017 Repair levee cover plate sill angles.	\$24,100.00
6	Engineering	12/18/2017 Addition of clearing and fencing work for 1825 30th Street property.	\$22,919.04
7	Engineering	5/31/2018 Adjusting quantities to final as-built measured amounts	\$20,592.07
8	Engineering	12/18/2018 Adjusting pay items to final measured quantities, adding down stream erosion protection work and 10'x6.5' concrete box culvert repair with associated pavement repair	\$32,129.80
9	Engineering	1/9/2019 Adjusting pay items to final measured quantities including erosion control and revetment.	\$27,284.49

<b>Original Contract Amount</b>	\$697,399.00
<b>Total Change Orders</b>	\$178,856.08
<b>Percent of Change Orders to Original Contract</b>	25.65%
<b>Total Contract Amount</b>	\$876,255.08

January 28, 2019



**CERTIFICATION OF COMPLETION**

**AGENDA HEADING:**

Accepting completed construction and approving final payment for the 30th Street and Jefferson Avenue Culvert Replacement at Closes Creek, Jasper Construction Services, Inc.

**SYNOPSIS:**

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

**FISCAL IMPACT:**

Amount: \$876,255.08 As-Built Contract Cost

Funding Source: 2018-2019 CIP, Page Storm - 5, Closes Creek Watershed Improvements, SM068, Storm Water Utility Funds

**CERTIFICATION OF COMPLETION:**

On October 10, 2016, under Roll Call No. 16-1780, the City Council awarded a contract to Jasper Construction Services, Inc., Cliff Rhoads, President, 928 N 19th Avenue East, Newton, IA 50208 for the construction of the following improvement:

30th Street and Jefferson Avenue Culvert Replacement at Closes Creek, 08-2016-004

The improvement includes the abandonment of a 66 inch brick storm culvert on 30th Street and the construction of a 6 foot high, 12 foot wide reinforced concrete box culvert, a 36 inch arch reinforced concrete pipe, intakes, Portland Cement Concrete (PCC) curb and gutter, Hot Mix Asphalt (HMA) pavement replacement, clearing, traffic control, tree protection, erosion control items, other incidental items; all in accordance with the contract documents including Plan File Nos. 574-152/173, located along 30th Street at Closes Creek, Des Moines, Iowa

I hereby certify that the construction of said 30th Street and Jefferson Avenue Culvert Replacement at Closes Creek, Activity ID 08-2016-004, 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 November 16, 2016, and was completed on January 18, 2019.

I further certify that \$876,255.08 is the total cost of said improvement, of which \$823,501.47 has been paid the Contractor and \$26,465.96 is now due and is hereby approved as final partial payment for the above project, the remaining balance of \$26,287.65 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.

Handwritten signature of Steven L. Naber, P.E. in cursive script, with the initials "RN" written at the end.

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

**ENGINEERING DEPARTMENT  
CITY OF DES MOINES, IOWA**



**ESTIMATE OF CONSTRUCTION COMPLETED  
FOR WORK DONE FROM 8/15/18 to 11/29/18  
PARTIAL PAYMENT NO. FINAL**

DOT Proj No: N/A  
Activity ID 08-2016-004  
Date: 12/21/18

**PROJECT: 30th St. & Jefferson St. Culvert Replacements-at Closes Creek  
CONTRACTOR: Jasper Construction Services, Inc.**

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
1	Clearing and Grubbing	ACRE	0.750	0.750	0.750	\$70,000.00	\$52,500.00
2	Excavation, Class 13	CY	450.000	450.000	450.000	\$25.00	\$11,250.00
3	Subgrade Treatment Geogrid, Type 3	SY	470.000	774.500	774.500	\$5.00	\$3,872.50
4	Embankment in Place, Contractor Furnished, Select Clay	CY	2,455.000	2,455.000	2,455.0	\$35.00	\$85,925.00
5	Modified Subbase	SY	145.000	632.600	632.600	\$12.00	\$7,591.20
6	Granular Stabilization, 12"	SY	170.000	174.200	174.200	\$35.00	\$6,097.00
7	Flooded Backfill	CY	200.000	205.500	205.500	\$50.00	\$10,275.00
8	Sanitary Sewer, 10" Remove & Replace with Ductile Iron	LF	60.000	61.000	61.000	\$200.00	\$12,200.00
9	Sanitary Sewer, 10" bypass pumping	LS	1.000	1.000	1.000	\$15,000.00	\$15,000.00
10	Storm Sewer Removal, 36" Dia. Or less	LF	80.000	102.600	102.600	\$50.00	\$5,130.00
11	Concrete, Flowable Mortar	CY	25.000	83.000	83.000	\$200.00	\$16,600.00
12	Storm Sewer Gravity, Trenched, RCP, 3000D (CL IV), 15 IN.	LF	25.000	25.300	25.300	\$100.00	\$2,530.00
13	Storm Sewer Gravity, Trenched, RCP, 3000D (CL IV), 24 IN.	LF	45.000	44.000	44.000	\$175.00	\$7,700.00
14	Storm Sewer Gravity, Trenched, RACP, 2000D (CL III), 36 IN. Equiv.	LF	70.000	74.000	74.000	\$275.00	\$20,350.00
15	Storm Sewer Pipe Apron, Arch, 36 IN., with Footing & Apron Guard	EACH	1.000	1.000	1.000	\$5,000.00	\$5,000.00
16	Subdrain, Corrugated PVC	LF	292.000	311.000	311.000	\$12.00	\$3,732.00
17	Subdrain, Outlet	EACH	2.000	3.000	3.000	\$300.00	\$900.00
18	Box Culvert, 12 ft wide x 6 ft high	LF	126.000	126.000	126.000	\$1,400.00	\$176,400.00
19	Concrete Box Culvert Straight End Section, 12 ft wide x 6 ft high	EACH	2.000	2.000	2.000	\$20,000.00	\$40,000.00
20	Removal of Manhole or Intake	EACH	1.000	2.000	2.00000	\$1,500.00	\$3,000.00
21	Manhole, Adjustment, Minor	EACH	1.000	1.000	1.000	\$1,000.00	\$1,000.00
22	Manhole, Adjustment, Major	EACH	2.000	2.000	2.000	\$4,000.00	\$8,000.00
23	Manhole, Storm Sewer, SW-401, 48"	EACH	1.000	1.000	1.000	\$12,000.00	\$12,000.00
24	Intake, SW-501	EACH	1.000	1.000	1.000	\$4,000.00	\$4,000.00
25	Intake, SW-505	EACH	1.000	1.000	1.000	\$6,500.00	\$6,500.00
26	Intake, SW-507, Rebuild Top	EACH	1.000	0.000	0.000	\$4,000.00	\$0.00
27	Intake, SW-507, Reconnect	EACH	1.000	1.000	1.000	\$2,500.00	\$2,500.00
28	Intake, SW-513	EACH	1.000	1.000	1.000	\$3,000.00	\$3,000.00
29	Curb & Gutter, PCC, 2.5 Ft	LF	135.000	196.500	196.500	\$70.00	\$13,755.00
30	Hot Mix Asphalt, (1,000,000 ESAL), Base Course, 3/4 In. Mix	TON	80.000	98.920	98.920	\$160.00	\$15,827.20

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
31	Hot Mix Asphalt, (1,000,000 ESAL), Surface Course, 1/2 In. Mix; No Spl Fric	TON	25.000	30.310	30.310	\$160.00	\$4,849.60
32	Removal of Sidewalk	SY	65.000	49.500	49.500	\$12.00	\$594.00
33	Sidewalk, PCC, 6"	SY	65.000	66.000	66.000	\$80.00	\$5,280.00
34	Class A crushed stone	TON	60.000	73.600	73.600	\$40.00	\$2,944.00
35	Removal of Pavement	SY	195.000	273.300	273.300	\$20.00	\$5,466.00
36	Traffic Control	LS	1.000	1.000	1.000	\$8,000.00	\$8,000.00
37	Changeable Message Signs, Portable	CDAY	10.000	20.000	20.000	\$150.00	\$3,000.00
38	Mobilization	LS	1.000	1.000	1.000	\$40,000.00	\$40,000.00
39	Tree Protection	LS	1.000	1.000	1.000	\$2,000.00	\$2,000.00
40	Tree Protection Fence	LF	305.000	321.000	321.000	\$5.00	\$1,605.00
41	HydroSeeding, Fertilizing, Mulching(MBFM) & Watering	SQ	274.000	410.690	410.690	\$25.00	\$10,267.25
42	HydroMulching, MBFM	SQ	100.000	46.080	46.080	\$20.00	\$921.60
43	Silt Fence or Perimeter Slope Device, 12" Dia.	LF	700.000	1,360.000	1,360.000	\$3.00	\$4,080.00
44	Removal of Silt Fence or Perimeter Slope Device, 12" Dia	LF	700.000	1,360.000	1,360.000	\$1.00	\$1,360.00
45	Revetment Stone, Class B	TON	300.000	502.620	502.620	\$70.00	\$35,183.40
46	Type 3 Turf Reinforcement Mat	SQ	25.000	16.800	16.800	\$100.00	\$1,680.00
47	Chain Link Fence, 42"	LF	102.000	88.000	88.000	\$55.00	\$4,840.00
48	Chain Link Fence, 72"	LF	170.000	335.000	335.000	\$28.00	\$9,380.00
49	Chain Link Fence, Remove & Replace	LF	180.000	485.000	485.000	\$31.00	\$15,035.00
50	Longitudinal Peak Stone Toe Protection (LPSTP)	TON	585.000	585.340	585.340	\$65.00	\$38,047.10
51	Erosion Blanket, 20.6 Oz/SY, COIR	SY	265.000	286.100	286.100	\$3.00	\$858.30
52	5' Live Stake Poles, Dogwood or Buttonbush	EACH	315.000	315.000	315.000	\$3.00	\$945.00
53	Container Plants, 1 Gallon, Ninebark, Viburnum & Redbud	EACH	43.000	43.000	43.000	\$25.00	\$1,075.00
54	Container Plants, 3 Gallon, American Plum	EACH	14.000	14.000	14.000	\$40.00	\$560.00
55	8" Watermain, Temp. Cut, Cap & Restore	LS	1.000	1.000	1.000	\$10,000.00	\$10,000.00
	CHANGE ORDER ITEMS						
1.01	Intake, SW-509, Rebuild Top	LS		1.000	1.000	\$6,885.00	\$6,885.00
1.02	Sidewalk, PCC, reinforced at 3019 Jefferson	SY		10.000	10.000	\$100.00	\$1,000.00
2.01	Granular Stabilizaiton, 6"	SY		317.800	317.800	\$23.75	\$7,547.75
3.01	Triple Intake Modifications for 2 foot thick wall	LS		1.000	1.000	\$10,860.55	\$10,860.55
3.02	Chain Link Fence, black vinyl coated, 72"	LF		270.000	270.000	\$40.10	\$10,827.00
4.01	Mobilization	LS		1.000	1.000	\$2,900.00	\$2,900.00
4.02	Full Depth Reinforced PCC Patch, 8"	SY		100.000	100.000	\$138.50	\$13,850.00
4.03	Traffic Control	LS		1.000	1.000	\$3,500.00	\$3,500.00
4.04	Removal as per Plan	SY		100.000	100.000	\$46.50	\$4,650.00
5.01	Traffic Control	LS		1.000	1.000	\$2,000.00	\$2,000.00
5.02	Full Depth PCC Patch, 8"	SY		61.000	61.000	\$138.50	\$8,448.50
5.03	Mobilization	LS		1.000	1.000	\$3,975.00	\$3,975.00
5.04	Trench cover Plate Sill Angle	LF		114.000	114.000	\$60.00	\$6,840.00



LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
5.05	Removal as per Plan	SY		61.000	61.000	\$46.50	\$2,836.50
6.01	Tree Clearing	LS		1.000	1.000	\$6,844.04	\$6,844.04
6.02	Fence Gate	LS		1.000	1.000	\$825.00	\$825.00
6.03	Remove and Reset Fence and Fence Gate	LS		1.000	1.000	\$990.00	\$990.00
8.01	10'by 6.5' concrete box repair & assoc. pav't repair; SE 5th-Hartford	LS		1.000	1.000	\$15,867.00	\$15,867.00
8.02	Concrete support beams on triple intake	LS		1.000	1.000	\$400.00	\$400.00
8.03	Flowable mortar plug at storm removal limits	LS		1.000	1.000	\$250.00	\$250.00
9.01	Landscape Repairs on Jefferson	LS		1.000	1.000	\$4,352.59	\$4,352.59

TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS	\$876,255.08		
PARTIAL PAYMENT NO.1	\$56,943.85		
PARTIAL PAYMENT NO.2	\$8,431.99		
PARTIAL PAYMENT NO.3	\$16,296.48		
PARTIAL PAYMENT NO.4	\$86,111.02		
PARTIAL PAYMENT NO.5	\$56,847.51		
PARTIAL PAYMENT NO.6	\$293,660.52		
PARTIAL PAYMENT NO.7	\$146,794.22		
PARTIAL PAYMENT NO.8	\$19,828.06		
PARTIAL PAYMENT NO.9	\$49,062.85		
PARTIAL PAYMENT NO.10	\$16,129.45		
PARTIAL PAYMENT NO.11	\$35,513.63		
PARTIAL PAYMENT NO.12	\$37,881.89		
THIS PARTIAL PAYMENT NO. FINAL	\$26,465.96		
TOTAL PARTIAL PAYMENTS	\$849,967.43		
BALANCE	\$26,287.65		

% Complete 100.00%

PREPARED BY: Bruce K. [Signature]

CHECKED BY: [Signature]

TOTAL	\$876,255.08
RETAINAGE	\$26,287.65
TOTAL LESS RETAINAGE	\$849,967.43
LESS PREVIOUS PAYMENT	\$823,501.47
AMOUNT DUE	\$26,465.96

PARTIAL PAYMENT NO. FINAL