



Roll Call Number

Agenda Item Number

9D

DATE April 5, 2021

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT
FOR LEETOWN CREEKWAY BOX CULVERT FROM DEAN AVENUE TO U.P.R.R., S. M.
HENTGES & SONS 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 Leetown Creekway Box Culvert from Dean Avenue to U.P.R.R., 082018001, in accordance with the contract approved between S. M. Hentges & Sons Inc., Steven M. Hentges, President, 650 Quaker Avenue, Suite 200, Jordan, MN 55352, under Roll Call No. 19-1881, of November 18, 2019, 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 \$5,250,767.11 is the total cost, of which \$5,250,767.11 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 \$0.00 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.

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:

FUNDS AVAILABLE

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance

SLN Funding Source: 2021-2022 CIP, Page Storm – 100, Leetown Creekway - Outlet Improvements, SM075,
Storm Water Utility Funds



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

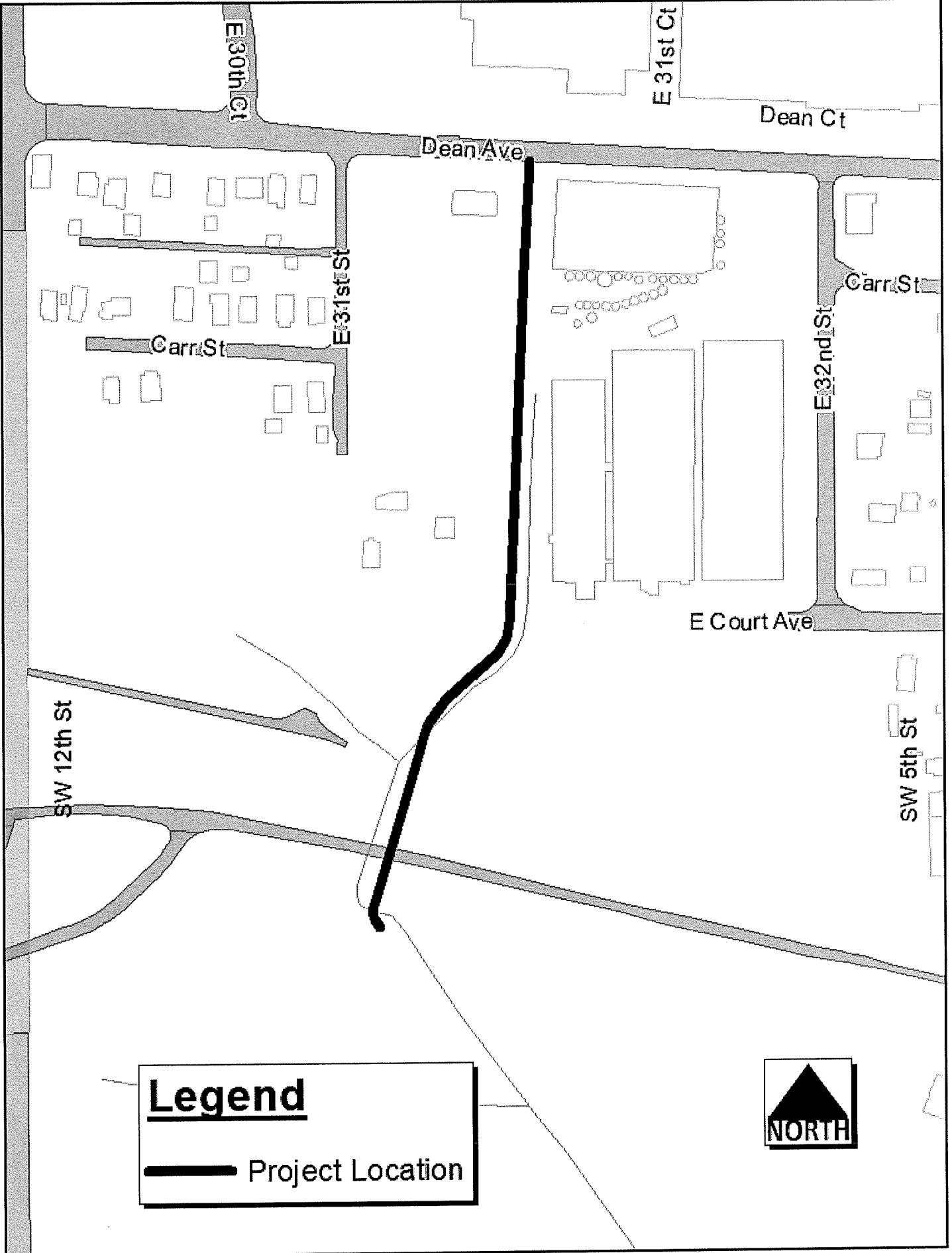
I, P. Kay Cmelik, City Clerk of said City Council, hereby certify that at a meeting of the City Council, held on the above date, among other proceedings the above was adopted.

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



Legend

— Project Location





9D

PROJECT SUMMARY

Leetown Creekway Box Culvert from Dean Avenue to U.P.R.R.

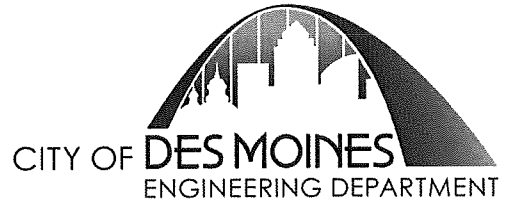
Activity ID 082018001

On November 18, 2019, under Roll Call No. 19-1881, the Council awarded the contract for the above improvements to S. M. Hentges & Sons Inc., in the amount of \$5,424,221.00. Tabulated below is a history of project change orders.

Change Order No.	Initiated By	Description	Amount
1	Engineering	5/13/2020 Plumbing for Feed Energy's gas service and water service.	\$49,479.68
2	Engineering	10/13/2020 Adjust plan quantities to as-built quantities.	\$(222,933.57)
Original Contract Amount			\$5,424,221.00
Total Change Orders			\$(173,453.89)
Percent of Change Orders to Original Contract			(3.20)%
Total Contract Amount			\$5,250,767.11

9D

April 5, 2021



CERTIFICATION OF COMPLETION

AGENDA HEADING:

Accepting completed construction and approving final payment for the Leetown Creekway Box Culvert from Dean Avenue to U.P.R.R., S. M. Hentges & Sons Inc.

SYNOPSIS:

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

FISCAL IMPACT:

Amount: \$5,250,767.11 As-Built Contract Cost

Funding Source: 2021-2022 CIP, Page Storm – 100, Leetown Creekway - Outlet Improvements, SM075, Storm Water Utility Funds

CERTIFICATION OF COMPLETION:

On November 18, 2019, under Roll Call No. 19-1881, the City Council awarded a contract to S. M. Hentges & Sons Inc., Steven M. Hentges, President, 650 Quaker Avenue, Suite 200, Jordan, MN 55352 for the construction of the following improvement:

Leetown Creekway Box Culvert from Dean Avenue to U.P.R.R., 082018001

The improvement includes constructing new Reinforced Concrete Box (RCB) storm sewer sizes 4 feet x 4 feet, 6 feet x 6 feet, and 12 feet x 7 feet, Reinforced Concrete Pipe (RCP) storm sewer sizes 15-inches to 42-inches, trenchless installation of 84-inch steel casing pipe, precast manholes and intakes, Ductile Iron (DI) sanitary sewer sizes 6-inches to 12-inches, Poly Vinyl Chloride (PVC) storm sewer size 10-inch, PVC water service 4-inch, 6-inch and 10-inch Portland Cement Concrete (PCC) pavement, Hot-Mix Asphalt (HMA) paving, PCC curb and gutter, earthwork and grading, erosion control, fencing, and restoration and other associated and incidental items; all in accordance with contract documents, including Plan File Nos.613-001/033, located near E. 32nd Street from Dean Avenue to the Union Pacific Railroad, Des Moines, Iowa

I hereby certify that the construction of said Leetown Creekway Box Culvert from Dean Avenue to U.P.R.R., Activity ID 082018001, 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 December 3, 2019, and was completed on March 24, 2021.

I further certify that \$5,250,767.11 is the total cost of said improvement, of which \$5,250,767.11 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 \$0.00 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.

A handwritten signature in black ink that reads "Steven L. Naber" with a small "PE" to the right.

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

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



ESTIMATE OF CONSTRUCTION COMPLETED

FINAL QUANTITIES (PAYMENT #9)

**PROJECT: LEETOWN CREEKWAY BOX CULVERT FROM DEAN AVE TO UPRR
CONTRACTOR: S.M. HENTGES & SONS, INC.**

**Activity ID: 08-2018-001
9/18/2020**

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
1	Traffic Control	LS	1,000	1,000	1,000	\$25,000.00	\$25,000.00
2	Clearing & Grubbing	LS	1,000	1,000	1,000	\$50,000.00	\$50,000.00
3	Excavation, Class 10	CY	4,600,000	4,600,000	4,600,000	\$15.00	\$69,000.00
4	Trench Foundation	TONS	1,000,000	0.000	0.000	\$35.00	\$0.00
5	PCC Pipe Encasement	LF	100,000	100,000	100,000	\$335.00	\$33,500.00
6	Ductile Iron (D.I.) Sanitary Sewer, 6"	LF	60,000	0.000	0.000	\$475.00	\$0.00
7	Ductile Iron (D.I.) Sanitary Sewer, 12"	LF	100,000	100,000	100,000	\$293.00	\$29,300.00
8	PVC Storm Sewer, 10"	LF	25,000	25,000	25,000	\$213.00	\$5,325.00
9	Reinforced Concrete Pipe (RCP), 15"	LF	26,000	26,000	26,000	\$344.00	\$8,944.00
10	Reinforced Concrete Pipe (RCP), 24"	LF	6,000	0.000	0.000	\$1,320.00	\$0.00
11	Reinforced Concrete Pipe (RCP), 36"	LF	5,000	0.000	0.000	\$622.00	\$0.00
12	Reinforced Concrete Pipe (RCP), 42"	LF	29,000	10,000	10,000	\$315.00	\$3,150.00
13	Steel Casing Pipe, 84" ID, Trenchless	LF	627,000	627,000	627,000	\$2,515.00	\$1,576,905.00
14	Reinforced Concrete Box (RCB) Culvert, 4'x4'	LF	617,000	617,000	617,000	\$950.00	\$586,150.00
15	Reinforced Concrete Box (RCB) Culvert, 6'x6'	LF	35,000	35,000	35,000	\$1,000.00	\$35,000.00
16	Reinforced Concrete Box (RCB) Culvert, 12'x7'	LF	623,000	623,000	623,000	\$1,650.00	\$1,027,950.00
17	Reinforced Concrete Box (RCB) Culvert, 4'x4', Haul & Install	LF	48,000	48,000	48,000	\$500.00	\$24,000.00
18	Reinforced Concrete Box (RCB) Culvert, 12'x7', Haul & Install	LF	42,000	42,000	42,000	\$500.00	\$21,000.00
19	RCB End Section, 4'x4'	EA	1,000	1,000	1,000	\$6,350.00	\$6,350.00
20	RCB End Section, 6'x6'	EA	1,000	1,000	1,000	\$7,250.00	\$7,250.00
21	RCB End Section, 12'x7'	EA	1,000	1,000	1,000	\$16,320.00	\$16,320.00
22	12'x7' RCB Connection Collar	EA	1,000	1,000	1,000	\$34,250.00	\$34,250.00
23	4'x4' RCB Connection Collar	EA	1,000	1,000	1,000	\$19,000.00	\$19,000.00
24	6'x6' RCB Plug	EA	1,000	1,000	1,000	\$12,400.00	\$12,400.00
25	Culvert/Sewer Abandonment	CY	10,000	343,000	343,000	\$190.00	\$65,170.00
26	Removal of Sewer, 6"	LF	60,000	60,000	60,000	\$14.00	\$840.00
27	Removal of Sewer, 10"	LF	40,000	40,000	40,000	\$14.00	\$560.00
28	Removal of Sewer, 12"	LF	100,000	100,000	100,000	\$17.00	\$1,700.00
29	Removal of Sewer, 24"	LF	5,000	0.000	0.000	\$36.00	\$0.00
30	Removal of Sewer, 42"	LF	20,000	20,000	20,000	\$40.00	\$800.00
31	Removal of Concrete Box Culvert	LF	330,000	60,000	60,000	\$219.00	\$13,140.00

Handwritten initials

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
32	Removal of Dean Avenue Tee Box Culvert	LF	30.000	0.000	0.000	\$413.00	\$0.00
33	Removal of RCP Apron, 24"	EA	1.000	1.000	1.000	\$410.00	\$410.00
34	Removal of RCP Apron, 42"	EA	1.000	1.000	1.000	\$632.00	\$632.00
35	Pipe Apron, 24" RCP	EA	1.000	1.000	1.000	\$1,500.00	\$1,500.00
36	Pipe Apron, 84" RCP	EA	6.000	6.000	6.000	\$18,400.00	\$110,400.00
37	Footing for 24" RCP Apron	EA	1.000	1.000	1.000	\$2,940.00	\$2,940.00
38	Footing for 84" RCP Apron	EA	6.000	6.000	6.000	\$5,265.00	\$31,590.00
39	Footing for 4'x4' RCB End Section	EA	1.000	1.000	1.000	\$4,580.00	\$4,580.00
40	Footing for 6'x6' RCB End Section	FA	1.000	1.000	1.000	\$5,900.00	\$5,900.00
41	Footing for 12'x7' RCB End Section	EA	1.000	1.000	1.000	\$7,400.00	\$7,400.00
42	Water Service, 4" C900, DR-14	LF	400.000	601.000	601.000	\$154.00	\$92,554.00
43	Gate Valve	EA	1.000	1.000	1.000	\$2,080.00	\$2,080.00
44	Meter Pit	LS	1.000	1.000	1.000	\$7,650.00	\$7,650.00
45	Prepare Excavation for Tapping Sleeve & Valve	LS	1.000	1.000	1.000	\$5,360.00	\$5,360.00
46	Manhole, SW-405, Modified	EA	2.000	2.000	2.000	\$2,635.00	\$5,270.00
47	Intake, SW-511	EA	2.000	2.000	2.000	\$4,600.00	\$9,200.00
48	Remove Manhole or Intake	EA	2.000	3.000	3.000	\$860.00	\$2,580.00
49	PCC Pavement, 10"	SY	360.000	263.110	263.110	\$130.00	\$34,204.30
50	PCC Curb and Gutter, 2.5' Wide, 6" Thick	LF	30.000	0.000	0.000	\$120.00	\$0.00
51	HMA Pavement	TON	40.000	19.670	19.670	\$262.00	\$5,153.54
52	PCC Sidewalk, 6"	SY	100.000	83.900	83.900	\$58.00	\$4,866.20
53	Granular Surfacing, Class A Crushed Stone	TON	2,000.000	857.780	857.780	\$28.00	\$24,017.84
54	Pavement Removal	SY	600.000	316.890	316.890	\$7.50	\$2,376.67
55	Railroad Bridge Removal	LS	1.000	1.000	1.000	\$50,000.00	\$50,000.00
56	Railroad Track Removal	LF	75.000	95.000	95.000	\$47.00	\$4,465.00
57	Railroad Track Removal & Salvage	LF	160.000	160.000	160.000	\$45.00	\$7,200.00
58	Seeding, Fertilizing, Mulching for Hydraulic Seeding (Type 1)	ACRE	4.000	6.440	6.440	\$3,570.00	\$22,990.80
59	Stormwater Pollution Prevention	LS	1.000	1.000	1.000	\$4,725.00	\$4,725.00
60	Filter Socks	LF	1,000.000	529.000	529.000	\$1.60	\$846.40
61	Removal of Filter Socks	LF	1,000.000	529.000	529.000	\$0.50	\$264.50
62	Temporary Rolled Erosion Control Products (RECP), Type 4	SY	6,500.000	0.000	0.000	\$1.90	\$0.00
63	Rip Rap, Class E, Furnish and Install	TON	2,500.000	2,534.510	2,534.510	\$80.00	\$202,760.80
64	Rip Rap, Class E, Install Only	TON	700.000	700.000	700.000	\$40.00	\$28,000.00
65	Grout	CY	250.000	218.000	218.000	\$352.00	\$76,736.00
66	Stabilized Construction Entrance	TON	500.000	418.120	418.120	\$34.00	\$14,216.08

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
67	Erosion Control Mulching, Bonded Fiber Matrix	ACRE	2.000	0.000	0.000	\$2,625.00	\$0.00
68	Revet Mattresses	CY	90.000	90.000	90.000	\$648.00	\$58,320.00
69	Chain Link Fence, 96", Black Vinyl, 1.25" Mesh	LF	750.000	750.000	750.000	\$39.00	\$29,250.00
70	Chain Link Fence, 96", Galvanized	LF	50.000	50.000	50.000	\$30.50	\$1,525.00
71	Gate, Chain Link Fence, 96"	EA	2.000	2.000	2.000	\$1,155.00	\$2,310.00
72	Barbed Wire, Angled Arm	LF	700.000	700.000	700.000	\$1.85	\$1,295.00
73	Removal of Chain Link Fence	LF	750.000	750.000	750.000	\$4.20	\$3,150.00
74	Concrete Retaining Wall, 8"	CY	10.000	0.000	0.000	\$690.00	\$0.00
75	Concrete Steps	SF	100.000	0.000	0.000	\$135.00	\$0.00
76	Handrail	LF	40.000	0.000	0.000	\$130.00	\$0.00
77	Tree Protection Fence	LF	1,000.000	0.000	0.000	\$3.15	\$0.00
78	Imported Granular Backfill	TONS	3,500.000	798.950	798.950	\$26.00	\$20,772.70
79	Railroad Provisions	LS	1.000	1.000	1.000	\$250,000.00	\$250,000.00
80	Project Sign, Stormwater	EA	1.000	1.000	1.000	\$1,260.00	\$1,260.00
81	Mobilization	LS	1.000	1.000	1.000	\$377,570.00	\$377,570.00
1.01	Gas Service Relocation Work	LS	0.000	1.000	1.000	\$18,427.33	\$18,427.33
1.02	Water Service Line Work (Outside)	LS	0.000	1.000	1.000	\$14,052.35	\$14,052.35
1.03	Downtime, Delay Work Until Weekend	LS	0.000	1.000	1.000	\$17,000.00	\$17,000.00
2.01	Overtime from 24-hour Railroad Requirement (Pending Change Order)	LS	0.000	1.000	1.000	\$9,961.60	\$9,961.60
TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS (change order #2 pending)			\$5,250,767.11				
PAYMENT 1			\$151,755.53				
PAYMENT 2			\$2,010,095.59				
PAYMENT 3			\$656,248.54				
PAYMENT 4			\$1,537,408.77				
PAYMENT 5			\$419,520.89				
PAYMENT 6			\$294,925.67				
PAYMENT 7			\$8,449.47				
PAYMENT 8			\$172,362.65				
THIS FINAL PAYMENT			\$0.00				
TOTAL PARTIAL PAYMENTS			\$5,250,767.11				
BALANCE			\$0.00				

TOTAL	\$5,250,767.11
RETAINAGE	\$0.00
TOTAL LESS RETAINAGE	\$5,250,767.11
LESS PREVIOUS PAYMENT	\$5,250,767.11
AMOUNT DUE	\$0.00

PREPARED BY: *Matt Radwin*

CHECKED BY: *D. Kelly*
CONTRACTOR AGREEMENT: *John Klen*

FINAL QUANTITIES (PAYMENT #9)