



**Roll Call Number**

**Agenda Item Number**

13

DATE May 10, 2021

**ACCEPTING COMPLETED CONSTRUCTION AND APPROVING FINAL PAYMENT  
FOR 47TH AND HOLCOMB STORM SEWER IMPROVEMENTS, 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 47th and Holcomb Storm Sewer Improvements, 082019014, 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. 19-1060, of June 24, 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 \$5,998,655.80 is the total cost, of which \$5,818,696.13 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 \$179,959.67 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.

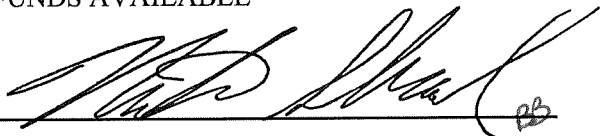
BE IT FURTHER RESOLVED: That the Director of Finance be and is hereby authorized to release said retainage if suit is not filed as above provided.

Moved by \_\_\_\_\_ to adopt.

FORM APPROVED:

FUNDS AVAILABLE

s/Kathleen Vanderpool



Kathleen Vanderpool  
Deputy City Attorney

Nickolas J. Schaul  
Director of Finance

SLN

Funding Source: 2021-2022 CIP, Page Storm – 98, Closes Creek Watershed Improvements, SM068, Being: \$5,195,452.95 of Stormwater Utility Bonds ; and the remaining \$803,202.85 from Des Moines Water Works



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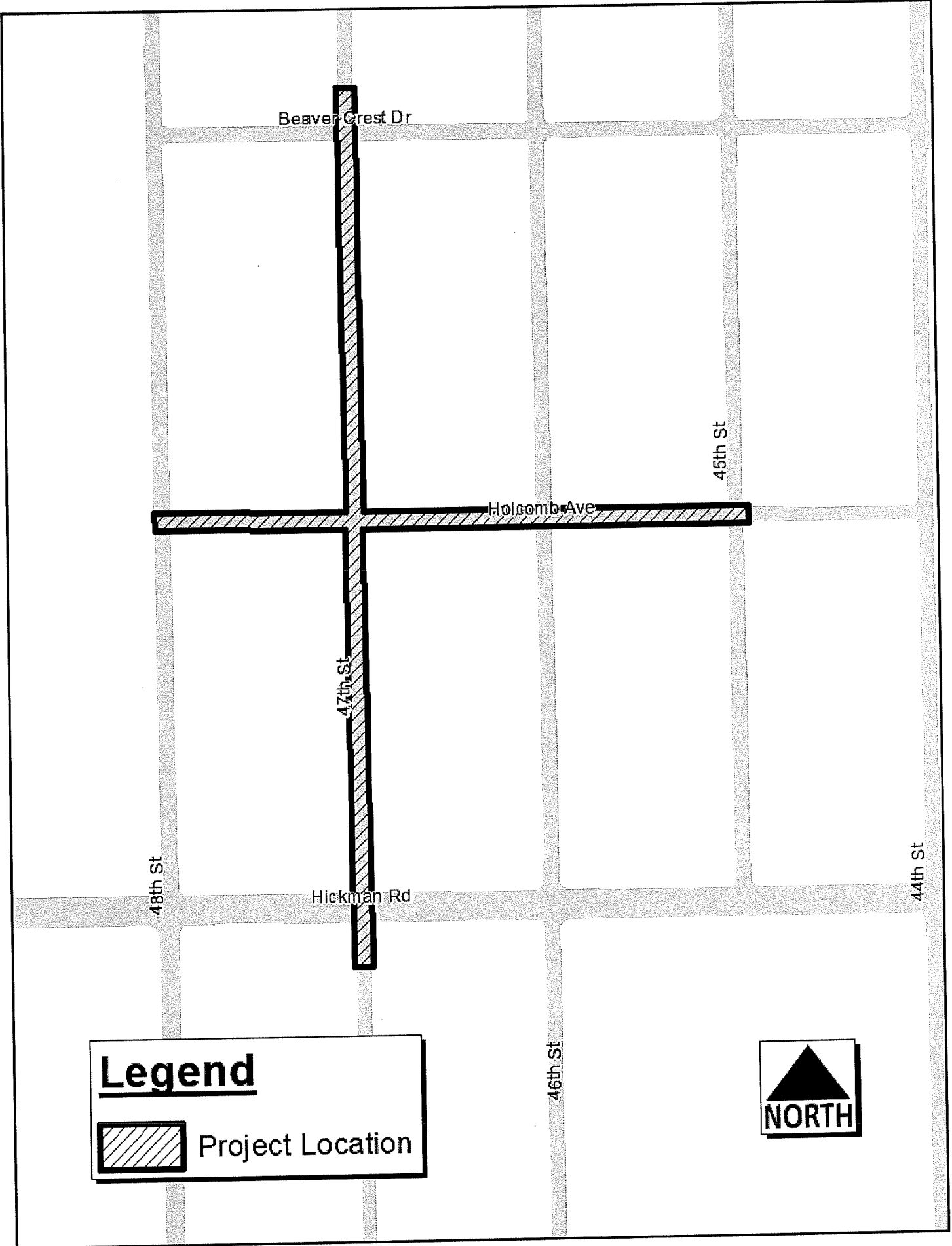
COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
WESTERGAARD				
GRAY				
BOESEN				
VOSS				
MANDELBAUM				
GATTO				
TOTAL				
MOTION CARRIED			APPROVED	

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.

\_\_\_\_\_  
Mayor

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





## PROJECT SUMMARY

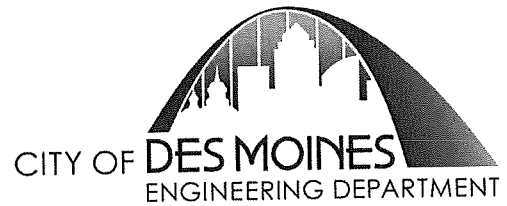
### 47th and Holcomb Storm Sewer Improvements

#### Activity ID 082019014

On June 24, 2019, under Roll Call No. 19-1060, the Council awarded the contract for the above improvements to S. M. Hentges & Sons Inc., in the amount of \$5,948,907.50. 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	Engineering	6/8/2020 Provide rock stabilization and geogrid to address poor soil conditions.	\$212,090.23
2	Engineering	2/16/2021 Adjust plan quantities to final as-built quantities.	\$(162,341.93)
11,111	Engineering	Change trenchless storm sewer from 36" RCP to 36" steel casing pipe.	\$0.00
<b>Original Contract Amount</b>			\$5,948,907.50
<b>Total Change Orders</b>			\$49,748.30
<b>Percent of Change Orders to Original Contract</b>			0.84%
<b>Total Contract Amount</b>			\$5,998,655.80

April 5, 2021



**CERTIFICATION OF COMPLETION**

**AGENDA HEADING:**

Accepting completed construction and approving final payment for the 47th and Holcomb Storm Sewer Improvements, 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: \$5,998,655.80 As-Built Contract Cost

Funding Source: 2021-2022 CIP, Page Storm – 98, Closes Creek Watershed Improvements, SM068, Being: \$5,195,452.95 of Stormwater Utility Bonds ; and the remaining \$803,202.85 from Des Moines Water Works

**CERTIFICATION OF COMPLETION:**

On June 24, 2019, under Roll Call No. 19-1060, 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:

47th and Holcomb Storm Sewer Improvements, 082019014

The improvement includes constructing new Reinforced Concrete Box (RCB) storm sewer, Reinforced Concrete Pipe (RCP) storm sewer sizes 15-inches to 42-inches, precast manholes, cast-in-place manholes and intakes, Polyvinyl Chloride (PVC) sanitary sewer, Ductile Iron (DI) water main, Portland Cement Concrete (PCC) pavement, Hot-Mix Asphalt (HMA) paving, PCC curb and gutter, earthwork and grading, erosion control, restoration, and other associated and incidental items; all in accordance with contract documents, including Plan File Nos. 611-067/178, located on 47th Street and Holcomb Avenue, Des Moines, Iowa

I hereby certify that the construction of said 47th and Holcomb Storm Sewer Improvements, Activity ID 082019014, 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 18, 2019, and was completed on March 8, 2021.

I further certify that \$5,998,655.80 is the total cost of said improvement, of which \$5,818,696.13 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 \$179,959.67 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 "PN" or similar mark at the end.

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

ENGINEERING DEPARTMENT  
CITY OF DES MOINES, IOWA



13

**FINAL QUANTITIES OF CONSTRUCTION COMPLETED**

**FINAL PAYMENT/QUANTITY AGREEMENT (PAYMENT NO. 15)**

**PROJECT: 47TH AND HOLCOMB STORM SEWER IMPROVEMENTS**  
**CONTRACTOR: S.M. HENTGES & SONS, INC.**

**Activity ID: 08-2019-014**  
**1/25/2021**

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
1	Clearing and Grubbing	LS	1.000	1.000	1.000	\$10,000.00	\$10,000.00
2	Topsoil, Off-site	CY	553.000	593.000	593.000	\$53.00	\$31,429.00
3	Below Grade Excavation (Core Out)	CY	500.000	0.000	0.000	\$20.25	\$0.00
4	Subgrade Preparation	SY	2,875.000	2,875.000	2,875.000	\$4.00	\$11,500.00
5	Subgrade Treatment, Geogrid, Type 2	SY	1,183.000	14,456.000	14,456.000	\$3.75	\$54,210.00
6	Subbase, Modified, 6"	SY	6,045.000	7,228.000	7,228.000	\$11.25	\$81,315.00
7	Subbase, Special Backfill, 6"	SY	1,183.000	0.000	0.000	\$12.00	\$0.00
8	Class A Roadstone	TON	300.000	97.630	97.630	\$29.50	\$2,880.09
9	Trench Foundation	TON	169.000	3,370.880	3,370.880	\$43.25	\$145,790.56
10	Special Pipe Support	EA	1.000	0.000	0.000	\$6,750.00	\$0.00
11	Imported Granular Backfill	TON	350.000	476.810	476.810	\$83.50	\$39,813.64
12	Sanitary Sewer Gravity Main, Trenched, PVC, 10"	LF	2,794.000	2,824.000	2,824.000	\$137.00	\$386,888.00
13	Sanitary Sewer Service Replacement	LF	880.000	405.500	405.500	\$230.50	\$93,467.75
14	Storm Sewer, Trenched, RCP, 15"	LF	187.000	198.000	198.000	\$192.00	\$38,016.00
15	Storm Sewer, Trenched, RCP, 18"	LF	21.000	21.000	21.000	\$197.00	\$4,137.00
16	Storm Sewer, Trenched, RCP, 24"	LF	180.000	181.000	181.000	\$254.00	\$45,974.00
17	Storm Sewer, Trenched, DIP, 24"	LF	54.000	54.000	54.000	\$286.00	\$15,444.00
18	Storm Sewer, Trenched, RCP, 30"	LF	282.000	282.000	282.000	\$221.00	\$62,322.00
19	Storm Sewer, Trenched, RCP, 36"	LF	50.000	50.000	50.000	\$299.00	\$14,950.00
20	Storm Sewer, Trenched, RCP, 42"	LF	140.000	140.000	140.000	\$304.00	\$42,560.00
21	Storm Sewer, Trenched, RCAP, 42" Equivalent	LF	39.000	39.000	39.000	\$387.00	\$15,093.00
22	Reinforced Concrete Box (RCB), Single Cell, 12'x4'	LF	1,510.000	1,510.000	1,510.000	\$1,083.00	\$1,635,330.00
23	Storm Sewer, Trenchless, RCP, 36"	LF	110.000	124.000	124.000	\$1,187.00	\$147,188.00
24	Removal of Sewer, Less Than or Equal To 30"	LF	2,656.000	2,486.000	2,486.000	\$25.50	\$63,393.00
25	Connection to RCB, 24" Storm Sewer	EA	16.000	16.000	16.000	\$3,050.00	\$48,800.00
26	Connection to RCB, RCB Cross Connection	EA	2.000	2.000	2.000	\$18,070.00	\$36,140.00
27	Connection to RCB, Cast-in-Place End Cap	EA	3.000	3.000	3.000	\$14,350.00	\$43,050.00
28	Subdrain, Type 2, 8"	LF	3,667.000	3,750.000	3,750.000	\$26.00	\$97,500.00
29	Subdrain Cleanout, Type A-1, 8"	EA	7.000	4.000	4.000	\$674.00	\$2,696.00
30	Subdrain Cleanout, Type A-2, 4"	EA	48.000	57.000	57.000	\$550.00	\$31,350.00
31	Subdrain Outlet and Connections, 8"	EA	33.000	31.000	31.000	\$867.00	\$26,877.00

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
32	Storm Sewer Service Stub, PVC, 4"	LF	753.000	1,243.000	1,243.000	\$35.50	\$44,126.50
33	Plug Existing Sewer	EA	1.000	3.000	3.000	\$1,350.00	\$4,050.00
34	Water Main, 8", DIP	LF	1,380.000	1,467.000	1,467.000	\$179.00	\$262,593.00
35	Water Main, 8", DIP, Restrained Joint	LF	175.000	190.000	190.000	\$186.00	\$35,340.00
36	Casing Pipe, 16", PVC	LF	30.000	30.000	30.000	\$154.00	\$4,620.00
37	Fitting, Bend, 8"	EA	9.000	13.000	13.000	\$1,174.00	\$15,262.00
38	Fitting, Solid Sleeve, 8"	EA	2.000	8.000	8.000	\$2,726.00	\$21,808.00
39	Fitting, Tee, 8"x8"	EA	1.000	8.000	8.000	\$780.00	\$6,240.00
40	Fitting, Cap/Plug, 8"	EA	1.000	5.000	5.000	\$222.00	\$1,110.00
41	Valve, Gate, 8"	EA	1.000	6.000	6.000	\$1,850.00	\$11,100.00
42	Hydrant Assembly	EA	5.000	6.000	6.000	\$5,875.00	\$35,250.00
43	Hydrant By-Pass Assembly	EA	1.000	0.000	0.000	\$9,524.00	\$0.00
44	Water Service, 1", Opposite Side	EA	20.000	22.000	22.000	\$4,616.00	\$101,552.00
45	Water Service, 1", Same Side	EA	21.000	22.000	22.000	\$3,241.00	\$71,302.00
46	Water Main Alteration, Type 1, 8"	EA	1.000	0.000	0.000	\$15,533.00	\$0.00
47	Water Main Alteration, Type 3, 8"	EA	2.000	0.000	0.000	\$5,878.00	\$0.00
48	Remove Tee / Tapping Sleeve	EA	2.000	2.000	2.000	\$6,355.00	\$12,710.00
49	Remove Water Main	LF	1,550.000	1,550.000	1,550.000	\$16.50	\$25,575.00
50	Remove and Replace Hydrant Assembly	EA	1.000	2.000	2.000	\$7,527.00	\$15,054.00
51	Magnesium Anode, 32-Pound	EA	18.000	20.000	20.000	\$611.00	\$12,220.00
52	Cathodic Protection Test Station	EA	3.000	1.000	1.000	\$853.00	\$853.00
53	Connection to Existing Main	EA	3.000	4.000	4.000	\$11,597.00	\$46,388.00
54	Manhole, Type SW-301, 48"	EA	11.000	11.000	11.000	\$6,133.00	\$67,463.00
55	Manhole, Type SW-401, 60"	EA	1.000	1.000	1.000	\$5,307.00	\$5,307.00
56	Manhole, Type SW-401, 72"	EA	2.000	2.000	2.000	\$11,516.00	\$23,032.00
57	Manhole, Type SW-401, 84"	EA	1.000	2.000	2.000	\$8,760.00	\$17,520.00
58	Manhole, Type SW-404, 7'x5'	EA	1.000	1.000	1.000	\$24,686.00	\$24,686.00
59	Manhole, Type SW-404, Modified	EA	5.000	5.000	5.000	\$4,412.00	\$22,060.00
60	Intake, Type SW-505	EA	17.000	18.000	18.000	\$5,178.00	\$93,204.00
61	Intake, Type SW-506	EA	5.000	4.000	4.000	\$8,052.00	\$32,208.00
62	Intake, Type SW-541 w/ SW-542 Extension	EA	1.000	1.000	1.000	\$5,352.00	\$5,352.00
63	Connection to Existing Structure	EA	1.000	1.000	1.000	\$3,350.00	\$3,350.00
64	Remove Sewer Structure	EA	20.000	15.000	15.000	\$1,175.00	\$17,625.00
65	Backflow Preventer, Flap Gate	EA	1.000	1.000	1.000	\$6,228.00	\$6,228.00
66	Pavement, PCC, 6"	SY	1,474.000	1,628.000	1,628.000	\$66.00	\$107,448.00
67	Pavement, PCC, 6", Continuously Reinforced	SY	4,258.000	4,258.000	4,258.000	\$63.00	\$268,254.00
68	Curb and Gutter, 2.0', 6"	LF	678.000	654.000	654.000	\$35.00	\$22,890.00
69	PCC Pavement Samples and Testing	LS	1.000	1.000	1.000	\$11,000.00	\$11,000.00
70	Pavement, HMA ST Surface, 1/2" Mix, No Fric., PG 58-28 H	TON	200.000	242.180	242.180	\$206.00	\$49,889.08



LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
71	HMA Pavement Samples and Testing	LS	1.000	1.000	1.000	\$1,550.00	\$1,550.00
72	Removal of Sidewalk	SY	1,308.000	1,484.700	1,484.700	\$4.25	\$6,309.98
73	Removal of Driveway	SY	1,423.000	862.100	862.100	\$5.50	\$4,741.55
74	Sidewalk, PCC, 4" ✓	SY	1,306.000	1,484.700	1,484.700	\$54.00	\$80,173.80
75	Sidewalk, PCC, 6" ✓	SY	186.000	315.800	315.800	\$64.00	\$20,211.20
76	Detectable Warning ✓	SF	286.000	256.000	256.000	\$45.00	\$11,520.00
77	Driveway, Paved, PCC, 6" ✓	SY	970.000	862.100	862.100	\$66.00	\$56,898.60
78	Full Depth Patch, HMA	SY	89.000	89.000	89.000	\$103.00	\$9,167.00
79	Full Depth Patch, PCC	SY	85.000	155.400	155.400	\$120.00	\$18,648.00
80	Pavement Removal	SY	6,901.000	7,059.000	7,059.000	\$8.60	\$60,707.40
81	Temporary Granular Surfacing	TON	2,000.000	1,160.090	1,160.090	\$39.00	\$45,243.51
82	Temporary Pavement	SY	3,024.000	0.000	0.000	\$35.00	\$0.00
83	Temporary Sidewalk	SY	937.000	0.000	0.000	\$47.00	\$0.00
84	Temporary Pavement Removal	SY	3,024.000	0.000	0.000	\$5.00	\$0.00
85	Temporary Sidewalk Removal	SY	937.000	0.000	0.000	\$5.00	\$0.00
86	Temporary Traffic Control	LS	1.000	1.000	1.000	\$33,270.00	\$33,270.00
87	Sod	SQ	300.000	388.700	388.700	\$70.00	\$27,209.00
88	Stormwater Pollution Prevention	LS	1.000	1.000	1.000	\$6,695.00	\$6,695.00
89	Erosion Control Mulching, Hydromulching	AC	0.700	0.700	0.700	\$3,090.00	\$2,163.00
90	Inlet Protection Device	EA	48.000	84.000	84.000	\$180.00	\$15,120.00
91	Inlet Protection Device, Maintenance	EA	48.000	84.000	84.000	\$52.00	\$4,368.00
92	Linear Erosion Control	LF	4,239.000	690.000	690.000	\$1.60	\$1,104.00
93	Linear Erosion Control, Removal	LF	4,239.000	690.000	690.000	\$0.25	\$172.50
94	Tree Protection Fence	LF	1,000.000	0.000	0.000	\$3.65	\$0.00
95	Tree Trimming	EA	9.000	9.000	9.000	\$360.00	\$3,240.00
96	Removal and Reinstallation of Existing Fence, Chain Link	LF	197.000	0.000	0.000	\$36.00	\$0.00
97	Removal and Reinstallation of Existing Fence, Wood	LF	10.000	13.000	13.000	\$52.00	\$676.00
98	Modular Block Retaining Wall	SF	330.000	807.500	807.500	\$58.00	\$46,835.00
99	Mobilization	LS	1.000	1.000	1.000	\$750,000.00	\$750,000.00
100	Maintenance of Postal Service	LS	1.000	1.000	1.000	\$15,000.00	\$15,000.00
101	Maintenance of Solid Waste Collection	LS	1.000	1.000	1.000	\$13,000.00	\$13,000.00
102	Concrete Washout	LS	1.000	1.000	1.000	\$5,000.00	\$5,000.00
1.01	Intake, SW-501	EA	0.000	2.000	2.000	\$2,765.00	\$5,530.00
2.01	Noise and Vibration Monitoring, 2422 46th Street (Pending)	LS	0.000	1.000	1.000	\$9,150.75	\$9,150.75
2.02	Roof Drain Connections (Pending)	LS	0.000	1.000	1.000	\$4,835.16	\$4,835.16
2.03	Derecho Debris Removal (Pending)	LS	0.000	1.000	1.000	\$3,253.48	\$3,253.48
2.04	Pavement Markings, Hickman (Pending)	LS	0.000	1.000	1.000	\$4,079.25	\$4,079.25

LINE NO.	DESCRIPTION	UNIT	UNITS			UNIT PRICE	TOTAL AMOUNT
			ESTIMATED	AUTHORIZED	CONSTRUCTED TO DATE		
	TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS		\$5,998,655.80				
	PAYMENT 1		\$134,122.52				
	PAYMENT 2		\$742,815.83				
	PAYMENT 3		\$526,378.01				
	PAYMENT 4		\$1,131,318.88				
	PAYMENT 5		\$1,734,616.44				
	PAYMENT 6		\$337,710.02				
	PAYMENT 7		\$280,772.89				
	PAYMENT 8		\$499,292.98				
	PAYMENT 9		\$203,247.30				
	PAYMENT 10		\$143,409.01				
	PAYMENT 11		\$33,229.24				
	PAYMENT 12		\$6,454.38				
	PAYMENT 13		\$30,828.97				
	PAYMENT 14		\$14,499.66				
	THIS PARTIAL PAYMENT		\$0.00				
	TOTAL PARTIAL PAYMENTS		\$5,818,696.13				
	BALANCE		\$179,959.67				

TOTAL	\$5,998,655.80
RETAINAGE	\$179,959.67
TOTAL LESS RETAINAGE	\$5,818,696.13
LESS PREVIOUS PAYMENT	\$5,818,696.13
<b>AMOUNT DUE</b>	<b>\$0.00</b>

PREPARED BY: *Mark ...*

CHECKED BY: *D. ...*

CONTRACTOR APPROVAL: *John ...*

FINAL PAYMENT/QUANTITY AGREEMENT (PAYMENT NO. 15)