

**Memorandum  
Public Works Department**



**To:** City Manager  
**Subject:** 6<sup>th</sup> Avenue Relief Sewer, Project 2688  
**Date:** February 29, 2016  
**Number:** 2016-036

---

Brandt Construction is due payment #13 for the 6<sup>th</sup> Avenue Relief Sewer, Project 2688 for services provided through February 20, 2016. Expenses on this pay request are within the overall budget.

This payment is for large diameter sewer work completed by the contractor between 6<sup>th</sup> and 23<sup>rd</sup> Streets. Pavement work has been completed between 6<sup>th</sup> and 17<sup>th</sup> Streets and between 19<sup>th</sup> and 21<sup>st</sup> Streets. Work included on this pay estimate includes installing water main, sanitary sewer, storm sewer and the large diameter relief sewer between 17<sup>th</sup> and 23<sup>rd</sup> Streets.

**Recommendation**

The Public Works Department recommends that the City Council approve the payment to Brandt Construction, in the amount of \$551,891.74.

**Vendor:** Brandt Construction  
**Payment Amount:** \$551,891.74

<b>Fund:</b>	506	Wastewater Operations & Maintenance
<b>Department:</b>	619	Utilities Maintenance
<b>Cost Center:</b>	346	Wastewater Collection Maintenance
<b>Object Code:</b>	56311	Wastewater System Improvements
<b>Project:</b>	2688	6 <sup>th</sup> Avenue Relief Sewer

Purchase Order Number: P004616

**Submitted by:** Randall D. Tweet, Public Works Director  
Michael J. Kane, P.E., City Engineer

---

**Approved by:** Thomas Thomas, City Manager

ENGINEER'S PAY ESTIMATE NO. 13

6TH AVENUE RELIEF SEWER, CITY OF ROCK ISLAND, IL

for work approved through 2/20/16, printed on 2/29/16

CITY JOB NO. 2688

SYMBIONT PROJECT NO. W11107

BRANDT JOB NO. 14093

Item No.	Description	Quantity				Unit	Unit Price	Approved Value
		Current Contracted	Anticipated	Completed	Approved		Current Contracted	
1	PROJECT MOBILIZATION	1	1	0.82	0.82	LS	\$700,000.00	\$573,809.30
2	OWNER'S REPRESENTATIVE OFFICE	11	20	15.00	15.00	month	\$1,675.00	\$25,125.00
3	PROJECT IDENTIFICATION SIGN	4	4	4.00	3.20	EA	\$650.00	\$2,080.00
4	11TH STREET TRAFFIC CONTROL - PHASES 1 & 2	1	1	0.00	0.00	LS	\$54,620.00	\$0.00
5	11TH STREET TRAFFIC CONTROL - PHASE 3	1	0	0.00	0.00	LS	\$20,200.00	\$0.00
6	11TH STREET TRAFFIC CONTROL - PHASE 4	1	0	0.00	0.00	LS	\$4,500.00	\$0.00
7	11TH STREET TRAFFIC CONTROL - PHASE 5	1	0	0.00	0.00	LS	\$9,000.00	\$0.00
8	OTHER TRAFFIC CONTROL	1	1	0.81	0.81	LS	\$14,000.00	\$11,320.53
9	INLET AND PIPE PROTECTION	64	67	63.00	63.00	EA	\$135.00	\$8,505.00
10	FOUNDATION MATERIAL	113	113	34.29	34.29	CY	\$26.50	\$908.69
11	TRENCH BACKFILL	6500	12000	11,764.33	11,764.33	CY	\$28.58	\$312,695.89
12	TREE REMOVAL	14	15	15.00	15.00	EA	\$1,500.00	\$22,500.00
13	ROADWAY PAVEMENT REMOVAL	27419	27593	24,087.57	24,087.57	SY	\$9.00	\$216,788.13
14	DRIVEWAY PAVEMENT REMOVAL	2198	2248	1,605.24	1,605.24	SY	\$13.00	\$20,868.12
15	CURB & GUTTER REMOVAL	10000	9953	6,904.42	6,904.42	LF	\$3.50	\$24,165.47
16	SIDEWALK REMOVAL	70901	70901	48,986.77	48,986.77	SF	\$0.70	\$34,290.74
17	SEWER PIPE ABANDONMENT OR REMOVAL, 15" TO 2	48	120	119.66	119.66	LF	\$37.00	\$4,427.42
18	SEWER PIPE ABANDONMENT OR REMOVAL, 24" TO 3	469	487	487.00	487.00	LF	\$62.00	\$30,194.00
19	SEWER PIPE ABANDONMENT OR REMOVAL, 36"	431	436	399.00	399.00	LF	\$63.00	\$25,137.00
20	SEWER MANHOLE REMOVAL	6	12	11.00	11.00	EA	\$1,655.00	\$18,205.00
21	CATCH BASIN REMOVAL	22	39	32.00	32.00	EA	\$525.00	\$16,800.00
22	VALVE VAULT REMOVAL	9	12	9.00	9.00	EA	\$1,075.00	\$9,675.00
23	VALVE WITH BOX REMOVAL	31	31	9.00	9.00	EA	\$1,075.00	\$9,675.00
24	FIRE HYDRANT REMOVAL	12	12	7.00	7.00	EA	\$755.00	\$5,285.00
25	FABRIC FOR GROUND STABILIZATION	29720	28253	17,836.40	17,836.40	SY	\$1.15	\$20,511.86
26	GRANULAR SUBBASE, TYPE A	29720	29683	19,266.15	19,266.15	SY	\$9.75	\$187,844.96
27	ROCK REMOVAL	16000	16600	16,006.76	16,006.76	CY	\$25.00	\$400,169.00
28	FLOWABLE FILL	1600	800	606.00	606.00	CY	\$88.50	\$53,631.00
29	WATERMAIN PIPING, 4"	5	7	7.42	7.42	LF	\$410.00	\$3,042.20
30	WATERMAIN PIPING, 6"	334	434	411.64	411.64	LF	\$125.50	\$51,660.82
31	WATERMAIN PIPING, 8"	4245	4268	4,193.10	4,193.63	LF	\$91.50	\$383,717.15
32	WATERMAIN PIPING, 10"	2076	2123	2,122.77	2,017.42	LF	\$98.00	\$197,706.90
33	WATERMAIN PIPING, 12"	106	97	97.27	97.27	LF	\$360.00	\$35,017.20
34	CASING PIPE, 14" PVC	472	538	538.08	538.08	LF	\$88.00	\$47,351.04
35	CASING PIPE, 18" PVC	183	213	213.10	213.10	LF	\$119.00	\$25,358.90
36	CASING PIPE, 20" PVC	80	45	45.15	45.15	LF	\$150.00	\$6,772.50
37	FIRE HYDRANT	25	24	24.00	24.00	EA	\$3,925.00	\$94,200.00
38	VALVES AND VALVE BOXES, 6"	25	27	26.00	26.00	EA	\$1,350.00	\$35,100.00
39	VALVES AND VALVE BOXES, 8"	35	37	35.00	35.00	EA	\$1,650.00	\$57,750.00
40	VALVES AND VALVE BOXES, 10"	7	9	9.00	9.00	EA	\$2,300.00	\$20,700.00
41	VALVES AND VALVE BOXES, 12"	2	2	2.00	2.00	EA	\$2,680.00	\$5,360.00
42	VALVE BOX ADJUSTMENT	10	10	3.00	3.00	EA	\$420.00	\$1,260.00
43	CURB STOP ADJUSTMENT	4	4	2.00	2.00	EA	\$355.00	\$710.00
44	WATER SERVICE PIPING	694	835	830.50	830.50	LF	\$64.00	\$53,152.00
45	WATER SERVICE RECONNECTION TO MAIN	28	32	31.00	31.00	EA	\$930.00	\$28,830.00
46	COMBINED SEWER PIPING, 36" PP	60	51	51.00	28.00	LF	\$178.00	\$4,984.00
47	RELIEF SEWER PIPING, 48" PP	646	646	557.10	413.60	LF	\$226.50	\$93,660.40
48	TEE MANHOLE, SIZE AND MATERIAL PER #47	1	1	1.00	1.00	EA	\$19,600.00	\$19,600.00
49	RELIEF SEWER PIPING, 60" PP	1192	1186.5	1,149.00	1,041.63	LF	\$259.00	\$269,780.88
50	TEE MANHOLE, SIZE AND MATERIAL PER #49	1	1	1.00	1.00	EA	\$22,500.00	\$22,500.00

ENGINEER'S PAY ESTIMATE NO. 13

6TH AVENUE RELIEF SEWER, CITY OF ROCK ISLAND, IL

for work approved through 2/20/16, printed on 2/29/16

CITY JOB NO. 2688

SYMBIONT PROJECT NO. W11107

BRANDT JOB NO. 14093

Item No.	Description	Quantity				Unit	Unit Price	Approved Value
		Current Contracted	Anticipated	Completed	Approved		Current Contracted	
51	RELIEF SEWER PIPING, 60" FRP	874	874	891.87	556.40	LF	\$500.00	\$278,201.25
52	TEE MANHOLE, SIZE AND MATERIAL PER #51	2	2	2.00	2.00	EA	\$22,500.00	\$45,000.00
53	90 BEND FITTING, SIZE AND MATERIAL PER #51	2	2	2.00	1.50	EA	\$13,725.00	\$20,587.50
54	RELIEF SEWER PIPING, 66" FRP	4011	4003	4,002.78	4,002.78	LF	\$550.00	\$2,201,529.00
55	TEE MANHOLE, SIZE AND MATERIAL PER #54	8	8	8.00	7.75	EA	\$23,500.00	\$182,125.00
56	30 BEND FITTING, SIZE AND MATERIAL PER #54	6	6	6.00	6.00	EA	\$10,200.00	\$61,200.00
57	60 BEND FITTING, SIZE AND MATERIAL PER #54	1	1	1.00	1.00	EA	\$12,200.00	\$12,200.00
58	72.86 BEND FITTING, SIZE AND MATERIAL PER #54	1	1	1.00	1.00	EA	\$14,200.00	\$14,200.00
59	SANITARY SEWER PIPING, 4" PVC	12	16	15.67	15.67	LF	\$65.00	\$1,018.55
60	SANITARY SEWER PIPING, 8" PVC	1443	1443	1,442.79	1,311.12	LF	\$63.00	\$82,600.56
61	LATERAL WYE FITTING, 8" PVC MAINLINE	7	8	8.00	8.00	EA	\$365.00	\$2,920.00
62	SANITARY SEWER PIPING, 10" PVC	146	28	28.00	28.00	LF	\$74.50	\$2,086.00
63	SANITARY SEWER PIPING, 12" PP	135	99	99.24	99.24	LF	\$79.50	\$7,889.58
64	SANITARY SEWER PIPING, 15" PP	10	18	18.00	18.00	LF	\$362.00	\$6,516.00
65	SANITARY SEWER PIPING, 18" PP	13	14	14.00	14.00	LF	\$116.00	\$1,624.00
66	SANITARY SEWER PIPING, 30" PP	432	418.08	418.08	418.08	LF	\$140.00	\$58,531.20
67	STORM SEWER PIPING, 4" PVC	15	15	0.00	0.00	LF	\$85.00	\$0.00
68	STORM SEWER PIPING, 8" PVC	7	16.5	16.50	16.50	LF	\$180.00	\$2,970.00
69	STORM SEWER PIPING, 10" PVC	5	0	0.00	0.00	LF	\$200.00	\$0.00
70	STORM SEWER PIPING, 12" MATERIAL PER #63	379	634	457.33	457.33	LF	\$68.00	\$31,098.44
71	STORM SEWER PIPING, 15" MATERIAL PER #64	35	45	44.99	44.99	LF	\$105.00	\$4,723.95
72	STORM SEWER PIPING, 18" MATERIAL PER #65	61	60	60.00	60.00	LF	\$160.00	\$9,600.00
73	STORM SEWER PIPING, 22.5" X 36.25" ARCH or 24" X 37.75" ELLIPTICAL (30" EQUIVALENT), RCP	44	48	48.00	48.00	LF	\$315.00	\$15,120.00
74	STANDARD MANHOLE, 4'	15	15	15.00	13.50	EA	\$3,700.00	\$49,950.00
75	STANDARD MANHOLE, 5'	7	7	7.00	4.50	EA	\$5,925.00	\$26,662.50
76	OVERSIZE MANHOLE, 8'	2	2	0.85	0.85	EA	\$23,000.00	\$19,550.00
77	DROP MANHOLE, 5'	1	1	1.00	0.50	EA	\$7,463.21	\$3,731.61
78	STRUCTURE 101	1	1	1.00	1.00	LS	\$125,000.00	\$125,000.00
79	STRUCTURE 106	1	1	1.00	1.00	LS	\$250,000.00	\$250,000.00
80	STRUCTURE 108	1	1	1.00	1.00	LS	\$175,000.00	\$175,000.00
81	STRUCTURE 109	1	1	0.85	0.85	LS	\$100,000.00	\$85,000.00
82	STRUCTURE 110	1	1	0.85	0.85	LS	\$35,075.00	\$29,813.75
83	STRUCTURE 114	1	1	1.00	1.00	LS	\$99,650.00	\$99,650.00
84	STRUCTURE 117	1	1	0.85	0.85	LS	\$66,250.00	\$56,312.50
85	STRUCTURE 119	1	1	1.00	0.85	LS	\$85,575.00	\$72,738.75
86	STRUCTURE 120	1	1	0.95	0.85	LS	\$126,500.00	\$107,525.00
87	STRUCTURE 122	1	1	0.00	0.00	LS	\$173,550.00	\$0.00
88	SINGLE CATCH BASIN	22	32	24.00	24.00	EA	\$2,050.00	\$49,200.00
89	DOUBLE CATCH BASIN	3	7	7.00	7.00	EA	\$3,550.00	\$24,850.00
90	STORM SEWER CLEANOUT	2	1	1.00	1.00	EA	\$3,100.00	\$3,100.00
91	MANHOLE ADJUSTMENT	33	33	30.00	30.00	EA	\$600.00	\$18,000.00
92	CATCH BASIN ADJUSTMENT	38	23	20.00	20.00	EA	\$575.00	\$11,500.00
93	MANHOLE REBUILD	23	21	17.00	17.00	EA	\$2,975.00	\$50,575.00
94	MANHOLE FRAME AND COVER	22	21	16.00	16.00	EA	\$400.00	\$8,400.00
95	MANHOLE FRAME AND GRATE	2	0	0.00	0.00	EA	\$400.00	\$0.00
96	CATCH BASIN FRAME AND GRATE	40	56	49.00	49.00	EA	\$575.00	\$28,175.00
97	SEWER LATERAL ABANDONMENT AND RECONNECT	9	10	9.00	9.00	EA	\$1,115.00	\$10,035.00
98	PCC DRIVEWAY PAVEMENT, 6"	270	367	350.64	350.64	SY	\$62.00	\$21,739.68
99	PCC DRIVEWAY PAVEMENT, 7"	1432	1912	1,818.47	1,818.47	SY	\$65.00	\$118,200.55

**ENGINEER'S PAY ESTIMATE NO. 13**  
**6TH AVENUE RELIEF SEWER, CITY OF ROCK ISLAND, IL**  
for work approved through 2/20/16, printed on 2/29/16

CITY JOB NO. 2688  
SYMBIONT PROJECT NO. W11107  
BRANDT JOB NO. 14093

Item No.	Description	Quantity				Unit	Unit Price	Approved Value
		Current Contracted	Anticipated	Completed	Approved		Current Contracted	
100	PCC SIDEWALK PAVEMENT, 4"	5959	3954	2,464.41	2,464.41	SY	\$47.50	\$117,059.48
101	PCC SIDEWALK PAVEMENT, 5"	963	3233	1,207.63	1,207.63	SY	\$132.00	\$159,407.16
102	PAVEMENT MARKING, 4" CONTINUOUS	711	711	106.00	106.00	LF	\$0.70	\$74.20
103	PAVEMENT MARKING, 4" DASHED	498	498	106.80	106.80	LF	\$0.70	\$74.76
104	PAVEMENT MARKING, 4" DASHED, TIGHT SPACING	308	308	0.00	0.00	LF	\$0.70	\$0.00
105	PAVEMENT MARKING, 6" CONTINUOUS	2155	2155	397.00	397.00	LF	\$0.70	\$277.90
106	PAVEMENT MARKING, 12" CONTINUOUS	69	69	0.00	0.00	LF	\$1.15	\$0.00
107	PAVEMENT MARKING, 18" CONTINUOUS	184	184	0.00	0.00	LF	\$1.15	\$0.00
108	PAVEMENT MARKING, 24" CONTINUOUS	20	20	20.00	20.00	LF	\$2.25	\$45.00
109	PAVEMENT MARKING, CURB	2806	2806	0.00	0.00	LF	\$0.70	\$0.00
110	SIGN POST	93	93	21.00	21.00	EA	\$134.50	\$2,824.50
111	RELOCATED SIGN PANEL	168	168	12.00	12.00	EA	\$112.00	\$1,344.00
112	STOP SIGN PANEL (R1-1)	4	4	3.00	3.00	EA	\$112.00	\$336.00
113	ALL WAY SIGN PANEL (R1-4)	4	4	4.00	4.00	EA	\$34.00	\$136.00
114	NO OUTLET SIGN PANEL (W14-2)	1	1	1.00	1.00	EA	\$112.00	\$112.00
115	END OF ROAD MARKER (OM4-2)	3	3	3.00	3.00	EA	\$89.50	\$268.50
116	NO PARKING (R7-1AD, R7-1AR)	5	5	2.00	2.00	EA	\$45.00	\$90.00
117	SODDING	13160	13160	0.00	0.00	SY	\$5.60	\$0.00
118	COMPOSITE PAVEMENT, 11TH STREET	922	906	905.57	905.57	SY	\$99.50	\$90,104.22
119	PCC CURB AND GUTTER, 11TH STREET	243	246	248.04	248.04	LF	\$45.00	\$11,161.80
120a	PCC CURB AND GUTTER, (EXCEPT 11TH STREET)	11617	11595	6,927.23	6,927.23	LF	\$19.50	\$135,080.99
121a	HOT-MIX ASPHALT PAVEMENT, 6.00" (6TH TO 11TH STREET)	5006	5006	5,006.00	5,006.00	SY	\$31.00	\$155,186.00
122a	HOT-MIX ASPHALT PAVEMENT, 6.00" OR 6.25" (17TH TO 20TH)	4657	4657	1,785.71	1,785.71	SY	\$32.00	\$57,142.72
123a	HOT-MIX ASPHALT PAVEMENT, 8.25" OR 9.00" (11TH TO 17TH STREET)	4508	6000	5,388.96	5,388.96	SY	\$44.00	\$237,114.24
124a	HOT-MIX ASPHALT PAVEMENT, 8.25" OR 9.00" (20TH TO 24TH STREET)	5520	5520	690.00	690.00	SY	\$44.00	\$30,360.00
125a	HOT-MIX ASPHALT PAVEMENT, 9.50" OR 10.25" (20TH & 24TH STREET)	812	408	0.00	0.00	SY	\$48.00	\$0.00
126a	HOT-MIX ASPHALT PAVEMENT, 11.00" OR 11.75" (15TH STREET)	303	0	0.00	0.00	SY	\$60.00	\$0.00
<b>CHANGE ORDERS</b>								
127	NEWFORMA SOFTWARE COST SHARE (CO1, 10/27/14)	1	1	1.00	1.00	LS	-\$3,750.00	-\$3,750.00
129	FOUNDATION MATERIAL, SPECIAL (CO3, 2/24/15)	113	1500	1334.18	1,334.18	CY	\$38.75	\$51,699.48
132	CASING PIPE, 12" PVC (PR3, 6/15/15)	18	18	17.50	17.50	LF	\$100.00	\$1,750.00
133	PCC PAVEMENT, 8" (CO4, 7/12/15)	2049	3392	3,391.97	3,391.97	SY	\$58.75	\$199,278.24
134	PCC PAVEMENT, 8" MOBILIZATION (CO4, 7/12/15)	1	1	1.00	1.00	EA	\$500.00	\$500.00
135	REMOVAL OF DEADEND WATERMANS, 6TH TO 10TH (T&M, PR4, 6/17/15, PCO11)	1	1	1.00	1.00	EA	\$129,958.88	\$129,958.88
137	STORM SEWER PIPING, 24" PVC (CO5, 10/6/15)	17	17	17.00	17.00	LF	\$205.00	\$3,485.00
138	STAMPED RED PCC SIDEWALK, 5" (CO6, 10/6/15)	51	43	42.65	42.65	SY	\$153.50	\$6,546.78
141	HOT TAP WATERMAIN, 10"x6" (CO7, 10/7/15)	1	1	0.00	0.00	EA	\$3,650.00	\$0.00
142	HOT TAP WATERMAIN, 10"x8" (CO7, 10/7/15)	1	1	1.00	1.00	EA	\$4,685.00	\$4,685.00
143	HOT TAP WATERMAIN, 10"x10" (CO7, 10/7/15)	1	1	1.00	1.00	EA	\$5,515.00	\$5,515.00
144	MLK PARK IRRIGATION SYSTEM (FO7, 10/19/15)	1	1	1.00	1.00	EA	\$5,050.00	\$5,050.00
147	PLUG STRUCTURE AT 6TH (PCO-0005-01)	1	1	1.00	1.00	EA	\$340.83	\$340.83

**ENGINEER'S PAY ESTIMATE NO. 13**  
**6TH AVENUE RELIEF SEWER, CITY OF ROCK ISLAND, IL**  
for work approved through 2/20/16, printed on 2/29/16

CITY JOB NO. 2688  
SYMBIONT PROJECT NO. W11107  
BRANDT JOB NO. 14093

Item No.	Description	Quantity				Unit	Unit Price	Approved Value
		Current Contracted	Anticipated	Completed	Approved		Current Contracted	
149	STORM REPLACEMENT SE 6TH (PCO-0007-01)	1	1	1.00	1.00	EA	\$3,179.53	\$3,179.53
150	18IN DIP STORM THROUGH TOP OF 60IN COMBINED (PCO-0008-01)	1	1	1.00	1.00	EA	\$7,833.35	\$7,833.35
151	10TH 36" STORM SEWER RELAY & MANHOLE (T&M, 6/29/15, PCO12, PCO13-under review)	1	1	1.00	1.00	EA	\$26,958.06	\$26,958.06
152	REBUILD OF 3 EXISTING CATCH BASINS (T&M, 8/11/15, PCO14)	1	1	1.00	1.00	EA	\$7,139.83	\$7,139.83
153	RELOCATE & PLUG STORM 7TH (PCO-0009-01)	1	1	1.00	1.00	EA	\$1,427.38	\$1,427.38

Total Approved Value \$9,426,893.30  
Liquidated Damages, \$2,200/day for 64 days (12/19/15-2/20/16) -\$140,800.00  
3.51% Retainage\* -\$330,544.67  
Total Value Approved for Payment \$8,955,548.64

**PROGRESS PAYMENTS**

No.	Date Approved	Amount
1	2/2/15 (pay estimate dated 1/23/15)	\$607,724.53
2	3/16/15 (pay estimate dated 3/6/15)	\$346,073.71
3	4/20/15 (pay estimate dated 4/13/15)	\$324,645.69
4	6/1/15 (pay estimate dated 5/22/15)	\$453,441.29
5	7/13/15 (pay estimate dated 7/2/15)	\$756,808.55
6	8/10/15 (pay estimate dated 7/30/15)	\$588,665.62
7	9/14/15 (pay estimate dated 9/4/15)	\$924,739.42
8	10/12/15 (pay estimate dated 10/2/15)	\$583,163.78
9	12/7/15 (pay estimate dated 10/30/15)	\$910,509.17
10	1/4/16 (pay estimate dated 12/3/15)	\$1,092,230.52
11	1/4/16 (pay estimate dated 12/23/15)	\$1,352,144.79
12	2/1/16 (pay estimate dated 1/24/16)	\$463,509.83

Total \$8,403,657

\*Liquidated damages are being subtracted from retainage for every calendar day beyond the 12/18/15 substantial completion date. This reduces the retainage percentage to less than 5%.

**NET AMOUNT DUE \$551,891.74**

Payable To:  
BRANDT CONSTRUCTION CO.  
700 4TH STREET  
WEST MILAN, IL 61264

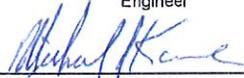
**SIGNED**

\_\_\_\_\_  
Robin Jones  
Resident Project Representative

\_\_\_\_\_  
2/29/2016  
Date

\_\_\_\_\_  
Amy Post  
Engineer

\_\_\_\_\_  
2/29/2016  
Date

\_\_\_\_\_  
  
City Engineer

\_\_\_\_\_  
2/29/2016  
Date

\_\_\_\_\_  
  
Contractor

\_\_\_\_\_  
2-29-2016  
Date