

**Memorandum
Public Works Department**



To: City Manager
Subject: 6th Avenue Relief Sewer, Project 2688
Date: December 4, 2015
Number: 2015-246

Brandt Construction is due payment #10 for the 6th Avenue Relief Sewer, Project 2688 for services provided through November 21, 2015. Expenses on this pay request are within the overall budget.

This payment is for underground work completed by the contractor between 6th and 16th Streets, and 18th to 20th Streets. Pavement work has been completed between 6th and 15th Avenues. This work included installing water main, sanitary sewer, storm sewer and the large diameter relief sewer between 16th and 18th Streets and 20th to 24th Streets.

Recommendation

The Public Works Department recommends that the City Council approve the payment to Brandt Construction, in the amount of \$1,092,230.52.

Vendor: Brandt Construction
Payment Amount: \$1,092,230.52

Fund:	506	Wastewater Operations & Maintenance
Department:	619	Utilities Maintenance
Cost Center:	346	Wastewater Collection Maintenance
Object Code:	56311	Wastewater System Improvements
Project:	2688	6 th 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. 10

CITY JOB NO. 2688

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

SYMBIONT PROJECT NO. W111074

for work approved through 11/21/15, printed on 12/3/15

BRANDT JOB NO. 14093

WORK SUMMARY

Item No.	Description	Quantity			Unit	Unit Price	Approved Value
		Contracted	Completed	Approved			
1	PROJECT MOBILIZATION	1	0.82	0.82	LS	\$700,000.00	\$573,609.30
2	OWNER'S REPRESENTATIVE OFFICE	11	12.00	12.00	month	\$1,675.00	\$20,100.00
3	PROJECT IDENTIFICATION SIGN	4	4.00	3.20	EA	\$650.00	\$2,080.00
4	11TH STREET TRAFFIC CONTROL - PHASES 1 & 2	1	0.00	0.00	LS	\$54,620.00	\$0.00
5	11TH STREET TRAFFIC CONTROL - PHASE 3	1	0.00	0.00	LS	\$20,200.00	\$0.00
6	11TH STREET TRAFFIC CONTROL - PHASE 4	1	0.00	0.00	LS	\$4,500.00	\$0.00
7	11TH STREET TRAFFIC CONTROL - PHASE 5	1	0.00	0.00	LS	\$9,000.00	\$0.00
8	OTHER TRAFFIC CONTROL	1	0.65	0.65	LS	\$14,000.00	\$9,140.88
9	INLET AND PIPE PROTECTION	64	63.00	63.00	EA	\$135.00	\$8,505.00
10	FOUNDATION MATERIAL	113	31.39	31.39	CY	\$26.50	\$831.81
11	TRENCH BACKFILL	6,500	7,073.48	6,629.05	CY	\$26.58	\$176,200.15
12	TREE REMOVAL	14	15.00	15.00	EA	\$1,500.00	\$22,500.00
13	ROADWAY PAVEMENT REMOVAL	27,419	24,087.57	24,087.57	SY	\$9.00	\$216,788.13
14	DRIVEWAY PAVEMENT REMOVAL	2,198	1,237.22	1,237.22	SY	\$13.00	\$16,083.86
15	CURB & GUTTER REMOVAL	10,000	6,082.30	6,082.30	LF	\$3.50	\$21,288.05
16	SIDEWALK REMOVAL	70,901	33,378.00	33,378.00	SF	\$0.70	\$23,364.60
17	SEWER PIPE ABANDONMENT OR REMOVAL, 15" TO 2	48	119.66	119.66	LF	\$37.00	\$4,427.42
18	SEWER PIPE ABANDONMENT OR REMOVAL, 24" TO 3	469	63.00	63.00	LF	\$62.00	\$3,906.00
19	SEWER PIPE ABANDONMENT OR REMOVAL, 36"	431	394.00	394.00	LF	\$63.00	\$24,822.00
20	SEWER MANHOLE REMOVAL	6	7.00	5.00	EA	\$1,655.00	\$8,275.00
21	CATCH BASIN REMOVAL	22	26.00	26.00	EA	\$525.00	\$13,650.00
22	VALVE VAULT REMOVAL	9	9.00	9.00	EA	\$1,075.00	\$9,675.00
23	VALVE WITH BOX REMOVAL	31	9.00	9.00	EA	\$1,075.00	\$9,675.00
24	FIRE HYDRANT BOX REMOVAL	12	7.00	7.00	EA	\$755.00	\$5,285.00
25	FABRIC FOR GROUND STABILIZATION	29,720	11,980.15	11,980.15	SY	\$1.15	\$13,777.17
26	GRANULAR SUBBASE, TYPE A	29,720	13,409.90	13,409.90	SY	\$9.75	\$130,746.53
27	ROCK REMOVAL	16,000	10,409.24	10,409.24	CY	\$25.00	\$260,231.00
28	FLOWABLE FILL	1,600	482.50	402.00	CY	\$88.50	\$35,577.00
29	WATERMAIN PIPING, 4"	5	7.56	7.42	LF	\$410.00	\$3,042.20
30	WATERMAIN PIPING, 6"	334	411.84	411.64	LF	\$125.50	\$51,660.82
31	WATERMAIN PIPING, 8"	4,245	4,150.88	4,150.88	LF	\$91.50	\$379,805.52
32	WATERMAIN PIPING, 10"	2,076	2,122.77	2,017.42	LF	\$98.00	\$197,706.90
33	WATERMAIN PIPING, 12"	106	97.27	97.27	LF	\$360.00	\$35,017.20
34	CASING PIPE, 14" PVC	472	538.08	538.08	LF	\$88.00	\$47,351.04
35	CASING PIPE, 18" PVC	183	213.10	213.10	LF	\$119.00	\$25,358.90
36	CASING PIPE, 20" PVC	80	45.15	45.15	LF	\$150.00	\$6,772.50
37	FIRE HYDRANT	25	24.00	24.00	EA	\$3,925.00	\$94,200.00
38	VALVES AND VALVE BOXES, 6"	25	26.00	26.00	EA	\$1,350.00	\$35,100.00
39	VALVES AND VALVE BOXES, 8"	35	35.00	35.00	EA	\$1,650.00	\$57,750.00
40	VALVES AND VALVE BOXES, 10"	7	9.00	9.00	EA	\$2,300.00	\$20,700.00

ENGINEER'S PAY ESTIMATE NO. 10

CITY JOB NO. 2688

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

SYMBIONT PROJECT NO. W111074

for work approved through 11/21/15, printed on 12/3/15

BRANDT JOB NO. 14093

WORK SUMMARY

Item No.	Description	Quantity			Unit	Unit Price	Approved Value
		Contracted	Completed	Approved			
41	VALVES AND VALVE BOXES, 12"	2	2.00	2.00	EA	\$2,680.00	\$5,360.00
42	VALVE BOX ADJUSTMENT	10	0.00	0.00	EA	\$420.00	\$0.00
43	CURB STOP ADJUSTMENT	4	0.00	0.00	EA	\$355.00	\$0.00
44	WATER SERVICE PIPING	694	644.50	644.50	LF	\$64.00	\$41,248.00
45	WATER SERVICE RECONNECTION TO MAIN	28	27.00	27.00	EA	\$930.00	\$25,110.00
46	COMBINED SEWER PIPING, 36" PP	60	0.00	0.00	LF	\$178.00	\$0.00
47	RELIEF SEWER PIPING, 48" PP	646	0.00	0.00	LF	\$226.50	\$0.00
48	TEE MANHOLE, SIZE AND MATERIAL PER #47	1	0.00	0.00	EA	\$19,800.00	\$0.00
49	RELIEF SEWER PIPING, 60" PP	1,192	715.50	536.63	LF	\$259.00	\$138,985.88
50	TEE MANHOLE, SIZE AND MATERIAL PER #49	1	1.00	0.75	EA	\$22,500.00	\$16,875.00
51	RELIEF SEWER PIPING, 60" FRP	874	0.00	0.00	LF	\$500.00	\$0.00
52	TEE MANHOLE, SIZE AND MATERIAL PER #51	2	0.00	0.00	EA	\$22,500.00	\$0.00
53	90 BEND FITTING, SIZE AND MATERIAL PER #51	2	0.00	0.00	EA	\$13,725.00	\$0.00
54	RELIEF SEWER PIPING, 66" FRP	4,011	3,859.64	3,551.50	LF	\$550.00	\$1,953,322.25
55	TEE MANHOLE, SIZE AND MATERIAL PER #54	8	7.00	6.75	EA	\$23,500.00	\$158,625.00
56	30 BEND FITTING, SIZE AND MATERIAL PER #54	6	6.00	6.00	EA	\$10,200.00	\$61,200.00
57	60 BEND FITTING, SIZE AND MATERIAL PER #54	1	1.00	1.00	EA	\$12,200.00	\$12,200.00
58	72.86 BEND FITTING, SIZE AND MATERIAL PER #54	1	0.00	0.00	EA	\$14,200.00	\$0.00
59	SANITARY SEWER PIPING, 4" PVC	12	15.67	15.67	LF	\$65.00	\$1,018.55
60	SANITARY SEWER PIPING, 8" PVC	1,443	1,442.79	1,415.62	LF	\$63.00	\$89,184.25
61	LATERAL WYE FITTING, 8" PVC MAINLINE	7	8.00	8.00	EA	\$365.00	\$2,920.00
62	SANITARY SEWER PIPING, 10" PVC	146	28.00	28.00	LF	\$74.50	\$2,086.00
63	SANITARY SEWER PIPING, 12" PP	135	47.74	47.74	LF	\$79.50	\$3,795.33
64	SANITARY SEWER PIPING, 15" PP	10	0.00	0.00	LF	\$382.00	\$0.00
65	SANITARY SEWER PIPING, 18" PP	13	14.00	14.00	LF	\$116.00	\$1,624.00
66	SANITARY SEWER PIPING, 30" PP	432	320.00	150.00	LF	\$140.00	\$21,000.00
67	STORM SEWER PIPING, 4" PVC	15	0.00	0.00	LF	\$85.00	\$0.00
68	STORM SEWER PIPING, 8" PVC	7	16.50	16.50	LF	\$180.00	\$2,970.00
69	STORM SEWER PIPING, 10" PVC	5	0.00	0.00	LF	\$200.00	\$0.00
70	STORM SEWER PIPING, 12" MATERIAL PER #63	379	378.17	302.67	LF	\$68.00	\$20,581.56
71	STORM SEWER PIPING, 15" MATERIAL PER #64	35	44.99	44.99	LF	\$105.00	\$4,723.95
72	STORM SEWER PIPING, 18" MATERIAL PER #65	61	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	48.00	48.00	LF	\$315.00	\$15,120.00
74	STANDARD MANHOLE, 4'	15	14.00	13.00	EA	\$3,700.00	\$48,100.00
75	STANDARD MANHOLE, 5'	7	1.00	1.00	EA	\$5,925.00	\$5,925.00
76	OVERSIZE MANHOLE, 8'	2	0.25	0.25	EA	\$23,000.00	\$5,750.00
77	DROP MANHOLE, 5'	1	0.00	0.00	EA	\$7,463.21	\$0.00
78	STRUCTURE 101	1	1.00	1.00	LS	\$125,000.00	\$125,000.00
79	STRUCTURE 106	1	1.00	1.00	LS	\$250,000.00	\$250,000.00

ENGINEER'S PAY ESTIMATE NO. 10

CITY JOB NO. 2688

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

SYMBIONT PROJECT NO. W111074

for work approved through 11/21/15, printed on 12/3/15

BRANDT JOB NO. 14093

WORK SUMMARY

Item No.	Description	Quantity			Unit	Unit Price	Approved Value
		Contracted	Completed	Approved			
80	STRUCTURE 108	1	1.00	1.00	LS	\$175,000.00	\$175,000.00
81	STRUCTURE 109	1	0.85	0.85	LS	\$100,000.00	\$85,000.00
82	STRUCTURE 110	1	0.85	0.85	LS	\$35,075.00	\$29,813.75
83	STRUCTURE 114	1	0.00	0.00	LS	\$99,650.00	\$0.00
84	STRUCTURE 117	1	0.85	0.85	LS	\$66,250.00	\$56,312.50
85	STRUCTURE 119	1	0.00	0.00	LS	\$85,575.00	\$0.00
86	STRUCTURE 120	1	0.25	0.25	LS	\$126,500.00	\$31,625.00
87	STRUCTURE 122	1	0.00	0.00	LS	\$173,550.00	\$0.00
88	SINGLE CATCH BASIN	22	20.00	20.00	EA	\$2,050.00	\$41,000.00
89	DOUBLE CATCH BASIN	3	6.00	6.00	EA	\$3,550.00	\$21,300.00
90	STORM SEWER CLEANOUT	2	1.00	1.00	EA	\$3,100.00	\$3,100.00
91	MANHOLE ADJUSTMENT	33	25.00	25.00	EA	\$600.00	\$15,000.00
92	CATCH BASIN ADJUSTMENT	38	18.00	18.00	EA	\$575.00	\$10,350.00
93	MANHOLE REBUILD	23	16.00	16.00	EA	\$2,975.00	\$47,600.00
94	MANHOLE FRAME AND COVER	22	16.00	16.00	EA	\$400.00	\$6,400.00
95	MANHOLE FRAME AND GRATE	2	0.00	0.00	EA	\$400.00	\$0.00
96	CATCH BASIN FRAME AND GRATE	40	45.00	45.00	EA	\$575.00	\$25,875.00
97	SEWER LATERAL ABANDONMENT AND RECONNECT	9	9.00	9.00	EA	\$1,115.00	\$10,035.00
98	PCC DRIVEWAY PAVEMENT, 6"	270	330.21	237.51	SY	\$62.00	\$14,725.62
99	PCC DRIVEWAY PAVEMENT, 7"	1,432	1,145.65	1,145.65	SY	\$65.00	\$74,467.25
100	PCC SIDEWALK PAVEMENT, 4"	5,959	1,996.33	1,936.79	SY	\$47.50	\$91,997.53
101	PCC SIDEWALK PAVEMENT, 5"	963	1,150.64	1,036.48	SY	\$132.00	\$136,815.36
102	PAVEMENT MARKING, 4" CONTINUOUS	711	106.00	106.00	LF	\$0.70	\$74.20
103	PAVEMENT MARKING, 4" DASHED	498	106.80	106.80	LF	\$0.70	\$74.76
104	PAVEMENT MARKING, 4" DASHED, TIGHT SPACING	308	0.00	0.00	LF	\$0.70	\$0.00
105	PAVEMENT MARKING, 6" CONTINUOUS	2,155	397.00	397.00	LF	\$0.70	\$277.90
106	PAVEMENT MARKING, 12" CONTINUOUS	69	0.00	0.00	LF	\$1.15	\$0.00
107	PAVEMENT MARKING, 18" CONTINUOUS	184	0.00	0.00	LF	\$1.15	\$0.00
108	PAVEMENT MARKING, 24" CONTINUOUS	20	20.00	20.00	LF	\$2.25	\$45.00
109	PAVEMENT MARKING, CURB	2,806	0.00	0.00	LF	\$0.70	\$0.00
110	SIGN POST	93	21.00	21.00	EA	\$134.50	\$2,824.50
111	RELOCATED SIGN PANEL	168	12.00	12.00	EA	\$112.00	\$1,344.00
112	STOP SIGN PANEL (R1-1)	4	3.00	3.00	EA	\$112.00	\$336.00
113	ALL WAY SIGN PANEL (R1-4)	4	4.00	4.00	EA	\$34.00	\$136.00
114	NO OUTLET SIGN PANEL (W14-2)	1	1.00	1.00	EA	\$112.00	\$112.00
115	END OF ROAD MARKER (OM4-2)	3	3.00	3.00	EA	\$89.50	\$268.50
116	NO PARKING (R7-1AD, R7-1AR)	5	2.00	2.00	EA	\$45.00	\$90.00
117	SODDING	13,160	0.00	0.00	SY	\$5.60	\$0.00
118	COMPOSITE PAVEMENT, 11TH STREET	922	905.57	905.57	SY	\$99.50	\$90,104.22
119	PCC CURB AND GUTTER, 11TH STREET	243	248.04	248.04	LF	\$45.00	\$11,161.80

ENGINEER'S PAY ESTIMATE NO. 10

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

SYMBIONT PROJECT NO. W111074

for work approved through 11/21/15, printed on 12/3/15

BRANDT JOB NO. 14093

WORK SUMMARY

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		Contracted	Completed	Approved			
120a	PCC CURB AND GUTTER, (EXCEPT 11TH STREET)	12,740	5,074.80	5,074.80	LF	\$19.50	\$98,958.60
121	PCC PAVEMENT WITH INTERGRAL CURB, 7.0" (RFI24, 8/18/15)	0	0.00	0.00	SY	\$45.25	\$0.00
121a	HOT-MIX ASPHALT PAVEMENT, 6.00" (6TH TO 11TH STREET)	5,006	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)	4,657	0.00	0.00	SY	\$32.00	\$0.00
123a	HOT-MIX ASPHALT PAVEMENT, 8.25" OR 9.00" (11TH TO 17TH STREET)	6,250	2,500.00	2,500.00	SY	\$44.00	\$110,000.00
124a	HOT-MIX ASPHALT PAVEMENT, 8.25" OR 9.00" (20TH TO 24TH STREET)	5,520	0.00	0.00	SY	\$44.00	\$0.00
125a	HOT-MIX ASPHALT PAVEMENT, 9.50" OR 10.25" (20TH & 24TH STREET)	812	0.00	0.00	SY	\$48.00	\$0.00
126a	HOT-MIX ASPHALT PAVEMENT, 11.00" OR 11.75" (15TH STREET)	303	0.00	0.00	SY	\$60.00	\$0.00

CHANGE ORDERS

127	NEWFORMA SOFTWARE COST SHARE (CO1, 10/27/14)		1.00	0.00	LS	-\$3,750.00	\$0.00
128	SANITARY SEWER PIPING, 6" PVC, MH208 (CO2, 12/9/14)		20.65	0.00	LS	\$370.00	\$0.00
129	FOUNDATION MATERIAL, SPECIAL (CO3, 2/24/15)		911.54	0.00	CY	\$38.75	\$0.00
130	MANHOLE FLOOR REMOVAL AT 12TH STREET (T&M, PCO3, 3/6/15)		1.00	0.00	EA	\$0.00	\$0.00
131	STRUCTURE 106 SOUTH WALL MODIFICATION (T&M, PR2, 5/20/15)		1.00	0.00	EA	\$0.00	\$0.00
132	CASING PIPE, 12" PVC (PR3, 6/15/15)		17.50	0.00	LF	\$100.00	\$0.00
133	PCC PAVEMENT, 8" (CO4, 7/12/15)		2,675.32	0.00	SY	\$58.75	\$0.00
134	PCC PAVEMENT, 8" MOBILIZATION (CO4, 7/12/15)		1.00	0.00	EA	\$500.00	\$0.00
135	REMOVAL OF DEADEND WATERMANS, 6TH TO 10TH (T&M, PR4, 6/17/15)		1.00	0.00	EA	\$0.00	\$0.00
136	REMOVAL OF DEADEND WATERMANS, 22ND (T&M, PR5, 7/6/15)		0.00	0.00	EA	\$0.00	\$0.00
137	STORM SEWER PIPING, 24" PVC (CO5, 10/6/15)		17.00	0.00	LF	\$205.00	\$0.00
138	STAMPED RED PCC SIDEWALK, 5" (CO6, 10/6/15)		42.65	0.00	SY	\$153.50	\$0.00
139	AREA DRAINS FROM 11TH TO 12TH (T&M, PR9, 9/1/15)		1.00	0.00	EA	\$0.00	\$0.00
140	ASPHALT TRANSITION HANDWORK (UNDER REVIEW)		0.00	0.00	TON	\$0.00	\$0.00
141	HOT TAP WATERMAIN, 10"x6" (CO7, 10/7/15)		0.00	0.00	EA	\$3,650.00	\$0.00
142	HOT TAP WATERMAIN, 10"x8" (CO7, 10/7/15)		0.00	0.00	EA	\$4,685.00	\$0.00
143	HOT TAP WATERMAIN, 10"x10" (CO7, 10/7/15)		1.00	0.00	EA	\$5,515.00	\$0.00
144	MLK PARK IRRIGATION SYSTEM (FO7, 10/19/15)		1.00	0.00	EA	\$5,050.00	\$0.00
145	17th WATER VALVE AND TEE (PR10, 10/7/15)		0.00	0.00	EA	\$0.00	\$0.00

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6TH AVENUE RELIEF SEWER, CITY OF ROCK ISLAND, IL
for work approved through 11/21/15, printed on 12/3/15

CITY JOB NO. 2688
SYMBIONT PROJECT NO. W111074
BRANDT JOB NO. 14093

WORK SUMMARY

Item No.	Description	Quantity			Unit	Unit Price	Approved Value
		Contracted	Completed	Approved			
146	ROOF DRAINS BETWEEN 17TH AND 19TH (PR11, 10/19/15)		0.00	0.00	EA	\$0.00	\$0.00
	15TH ST TEMPORARY PAVEMENT (PR8, 8/27/15)		0.00	0.00	TON	\$0.00	\$0.00
	<<MORE BEING REVIEWED>>						\$0.00

Total Approved Value \$6,934,739.24
5% Retainage -\$346,736.96
Total Value Approved for Payment \$6,588,002.28

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	11/9/15 (pay estimate dated 10/30/15)	\$910,509.17

Total \$5,495,772

NET AMOUNT DUE \$1,092,230.52

SIGNED

Robin Jones
Resident Project Representative

12/3/2015
Date

Amy Post
Engineer

12/3/2015
Date

Michael Kane
City Engineer

12/4/15
Date

Greg [Signature]
Contractor

12/4/15
Date

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