

**Memorandum
Public Works Department**



To: City Manager
Subject: 6th Avenue Relief Sewer, Project 2688
Date: October 6, 2015
Number: 2015-184

Brandt Construction is due payment #8 for the 6th Avenue Relief Sewer, Project 2688 for services provided through September 26, 2015. Expenses on this pay request are within the overall budget.

This payment is for underground work completed by the contractor between 6th and 14th Streets. This work included installing water main, sanitary sewer, storm sewer and the large diameter relief sewer. In addition, they are currently working on pavement restoration work, between 6th and 11th Streets.

Recommendation

The Public Works Department recommends that the City Council approve the payment to Brandt Construction, in the amount of \$583,163.78.

Vendor: Brandt Construction
Payment Amount: \$583,163.78

| | | |
|---------------------|-------|-------------------------------------|
| 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. 8

CITY JOB NO. 2688

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

SYMBIONT PROJECT NO. W111074

for work approved through 9/26/15, printed on 10/2/15

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 | 10.00 | 10.00 | month | \$1,675.00 | \$16,750.00 |
| 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 | 0.48 | 0.48 | LS | \$14,000.00 | \$6,715.52 |
| 9 | INLET AND PIPE PROTECTION | 64 | 55.00 | 55.00 | EA | \$135.00 | \$7,425.00 |
| 10 | FOUNDATION MATERIAL | 113 | 31.39 | 31.39 | CY | \$26.50 | \$831.81 |
| 11 | TRENCH BACKFILL | 6,500 | 3,005.43 | 2,856.81 | CY | \$26.58 | \$75,933.94 |
| 12 | TREE REMOVAL | 14 | 15.00 | 15.00 | EA | \$1,500.00 | \$22,500.00 |
| 13 | ROADWAY PAVEMENT REMOVAL | 27,419 | 13,739.57 | 13,739.57 | SY | \$9.00 | \$123,656.13 |
| 14 | DRIVEWAY PAVEMENT REMOVAL | 2,198 | 835.22 | 835.22 | SY | \$13.00 | \$10,857.86 |
| 15 | CURB & GUTTER REMOVAL | 10,000 | 3,857.00 | 3,857.00 | LF | \$3.50 | \$13,499.50 |
| 16 | SIDEWALK REMOVAL | 70,901 | 26,571.00 | 26,571.00 | SF | \$0.70 | \$18,599.70 |
| 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 | 5.00 | 5.00 | EA | \$1,655.00 | \$8,275.00 |
| 21 | CATCH BASIN REMOVAL | 22 | 19.00 | 19.00 | EA | \$525.00 | \$9,975.00 |
| 22 | VALVE VAULT REMOVAL | 9 | 7.00 | 7.00 | EA | \$1,075.00 | \$7,525.00 |
| 23 | VALVE WITH BOX REMOVAL | 31 | 9.00 | 9.00 | EA | \$1,075.00 | \$9,675.00 |
| 24 | FIRE HYDRANT REMOVAL | 12 | 7.00 | 7.00 | EA | \$755.00 | \$5,285.00 |
| 25 | FABRIC FOR GROUND STABILIZATION | 29,720 | 7,382.90 | 7,382.90 | SY | \$1.15 | \$8,490.34 |
| 26 | GRANULAR SUBBASE, TYPE A | 29,720 | 7,382.90 | 7,382.90 | SY | \$9.75 | \$71,983.28 |
| 27 | ROCK REMOVAL | 16,000 | 5,925.13 | 5,925.13 | CY | \$25.00 | \$148,128.25 |
| 28 | FLOWABLE FILL | 1,600 | 383.00 | 383.00 | CY | \$88.50 | \$33,895.50 |
| 29 | WATERMAIN PIPING, 4" | 5 | 5.89 | 5.89 | LF | \$410.00 | \$2,416.00 |
| 30 | WATERMAIN PIPING, 6" | 334 | 312.10 | 312.10 | LF | \$125.50 | \$39,168.55 |
| 31 | WATERMAIN PIPING, 8" | 4,245 | 2,648.34 | 2,557.36 | LF | \$91.50 | \$233,998.32 |
| 32 | WATERMAIN PIPING, 10" | 2,076 | 2,005.88 | 1,742.49 | LF | \$98.00 | \$170,764.23 |
| 33 | WATERMAIN PIPING, 12" | 106 | 97.27 | 97.27 | LF | \$360.00 | \$35,017.20 |
| 34 | CASING PIPE, 14" PVC | 472 | 433.87 | 433.87 | LF | \$88.00 | \$38,180.56 |
| 35 | CASING PIPE, 18" PVC | 183 | 189.10 | 189.10 | LF | \$119.00 | \$22,502.90 |
| 36 | CASING PIPE, 20" PVC | 80 | 63.34 | 63.34 | LF | \$150.00 | \$9,501.00 |
| 37 | FIRE HYDRANT | 25 | 17.00 | 17.00 | EA | \$3,925.00 | \$66,725.00 |
| 38 | VALVES AND VALVE BOXES, 6" | 25 | 19.00 | 19.00 | EA | \$1,350.00 | \$25,650.00 |
| 39 | VALVES AND VALVE BOXES, 8" | 35 | 21.00 | 21.00 | EA | \$1,650.00 | \$34,650.00 |
| 40 | VALVES AND VALVE BOXES, 10" | 7 | 7.00 | 7.00 | EA | \$2,300.00 | \$16,100.00 |
| 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 |

ENGINEER'S PAY ESTIMATE NO. 8

CITY JOB NO. 2688

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

SYMBIONT PROJECT NO. W111074

for work approved through 9/26/15, printed on 10/2/15

BRANDT JOB NO. 14093

WORK SUMMARY

| Item No. | Description | Quantity | | | Unit | Unit Price | Approved Value |
|----------|--|------------|-----------|----------|------|--------------|----------------|
| | | Contracted | Completed | Approved | | | |
| 44 | WATER SERVICE PIPING | 694 | 397.00 | 397.00 | LF | \$64.00 | \$25,408.00 |
| 45 | WATER SERVICE RECONNECTION TO MAIN | 28 | 18.00 | 18.00 | EA | \$930.00 | \$16,740.00 |
| 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 | \$19,600.00 | \$0.00 |
| 49 | RELIEF SEWER PIPING, 60" PP | 1,192 | 0.00 | 0.00 | LF | \$259.00 | \$0.00 |
| 50 | TEE MANHOLE, SIZE AND MATERIAL PER #49 | 1 | 0.00 | 0.00 | EA | \$22,500.00 | \$0.00 |
| 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 | 3,589.64 | 2,738.21 | LF | \$550.00 | \$1,506,015.50 |
| 55 | TEE MANHOLE, SIZE AND MATERIAL PER #54 | 8 | 7.00 | 5.50 | EA | \$23,500.00 | \$129,250.00 |
| 56 | 30 BEND FITTING, SIZE AND MATERIAL PER #54 | 6 | 6.00 | 5.25 | EA | \$10,200.00 | \$53,550.00 |
| 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 | 1,413.54 | 1,347.71 | LF | \$63.00 | \$84,905.42 |
| 61 | LATERAL WYE FITTING, 8" PVC MAINLINE | 7 | 7.00 | 7.00 | EA | \$365.00 | \$2,555.00 |
| 62 | SANITARY SEWER PIPING, 10" PVC | 146 | 24.00 | 24.00 | LF | \$74.50 | \$1,788.00 |
| 63 | SANITARY SEWER PIPING, 12" PP | 135 | 11.41 | 11.41 | LF | \$79.50 | \$907.10 |
| 64 | SANITARY SEWER PIPING, 15" PP | 10 | 0.00 | 0.00 | LF | \$362.00 | \$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 | 0.00 | 0.00 | LF | \$140.00 | \$0.00 |
| 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 | 302.67 | 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 | 12.00 | 11.50 | EA | \$3,700.00 | \$42,550.00 |
| 75 | STANDARD MANHOLE, 5' | 7 | 1.00 | 1.00 | EA | \$5,925.00 | \$5,925.00 |
| 76 | OVERSIZE MANHOLE, 8' | 2 | 0.00 | 0.00 | EA | \$23,000.00 | \$0.00 |
| 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 |
| 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 | 0.00 | 0.00 | LS | \$66,250.00 | \$0.00 |
| 85 | STRUCTURE 119 | 1 | 0.00 | 0.00 | LS | \$85,575.00 | \$0.00 |

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CITY JOB NO. 2688

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

SYMBIONT PROJECT NO. W111074

for work approved through 9/26/15, printed on 10/2/15

BRANDT JOB NO. 14093

WORK SUMMARY

| Item No. | Description | Quantity | | | Unit | Unit Price | Approved Value |
|----------|--|------------|-----------|----------|------|--------------|----------------|
| | | Contracted | Completed | Approved | | | |
| 86 | STRUCTURE 120 | 1 | 0.00 | 0.00 | LS | \$126,500.00 | \$0.00 |
| 87 | STRUCTURE 122 | 1 | 0.00 | 0.00 | LS | \$173,550.00 | \$0.00 |
| 88 | SINGLE CATCH BASIN | 22 | 16.00 | 16.00 | EA | \$2,050.00 | \$32,800.00 |
| 89 | DOUBLE CATCH BASIN | 3 | 4.00 | 4.00 | EA | \$3,550.00 | \$14,200.00 |
| 90 | STORM SEWER CLEANOUT | 2 | 1.00 | 1.00 | EA | \$3,100.00 | \$3,100.00 |
| 91 | MANHOLE ADJUSTMENT | 33 | 15.00 | 11.25 | EA | \$600.00 | \$6,750.00 |
| 92 | CATCH BASIN ADJUSTMENT | 38 | 17.00 | 17.00 | EA | \$575.00 | \$9,775.00 |
| 93 | MANHOLE REBUILD | 23 | 16.00 | 16.00 | EA | \$2,975.00 | \$47,600.00 |
| 94 | MANHOLE FRAME AND COVER | 22 | 11.00 | 11.00 | EA | \$400.00 | \$4,400.00 |
| 95 | MANHOLE FRAME AND GRATE | 2 | 1.00 | 1.00 | EA | \$400.00 | \$400.00 |
| 96 | CATCH BASIN FRAME AND GRATE | 40 | 35.00 | 35.00 | EA | \$575.00 | \$20,125.00 |
| 97 | SEWER LATERAL ABANDONMENT AND RECONNECT | 9 | 9.00 | 9.00 | EA | \$1,115.00 | \$10,035.00 |
| 98 | PCC DRIVEWAY PAVEMENT, 6" | 270 | 195.87 | 195.87 | SY | \$62.00 | \$12,143.94 |
| 99 | PCC DRIVEWAY PAVEMENT, 7" | 1,432 | 454.21 | 454.21 | SY | \$65.00 | \$29,523.65 |
| 100 | PCC SIDEWALK PAVEMENT, 4" | 5,959 | 1,068.79 | 1,068.79 | SY | \$47.50 | \$50,767.53 |
| 101 | PCC SIDEWALK PAVEMENT, 5" | 963 | 699.39 | 699.39 | SY | \$132.00 | \$92,319.48 |
| 102 | PAVEMENT MARKING, 4" CONTINUOUS | 711 | 0.00 | 0.00 | LF | \$0.70 | \$0.00 |
| 103 | PAVEMENT MARKING, 4" DASHED | 498 | 0.00 | 0.00 | LF | \$0.70 | \$0.00 |
| 104 | PAVEMENT MARKING, 4" DASHED, TIGHT SPACING | 308 | 0.00 | 0.00 | LF | \$0.70 | \$0.00 |
| 105 | PAVEMENT MARKING, 6" CONTINUOUS | 2,155 | 0.00 | 0.00 | LF | \$0.70 | \$0.00 |
| 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 | 0.00 | 0.00 | LF | \$2.25 | \$0.00 |
| 109 | PAVEMENT MARKING, CURB | 2,806 | 0.00 | 0.00 | LF | \$0.70 | \$0.00 |
| 110 | SIGN POST | 93 | 0.00 | 0.00 | EA | \$134.50 | \$0.00 |
| 111 | RELOCATED SIGN PANEL | 168 | 0.00 | 0.00 | EA | \$112.00 | \$0.00 |
| 112 | STOP SIGN PANEL (R1-1) | 4 | 0.00 | 0.00 | EA | \$112.00 | \$0.00 |
| 113 | ALL WAY SIGN PANEL (R1-4) | 4 | 0.00 | 0.00 | EA | \$34.00 | \$0.00 |
| 114 | NO OUTLET SIGN PANEL (W14-2) | 1 | 0.00 | 0.00 | EA | \$112.00 | \$0.00 |
| 115 | END OF ROAD MARKER (OM4-2) | 3 | 0.00 | 0.00 | EA | \$89.50 | \$0.00 |
| 116 | NO PARKING (R7-1AD, R7-1AR) | 5 | 0.00 | 0.00 | EA | \$45.00 | \$0.00 |
| 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 |
| 120a | PCC CURB AND GUTTER, (EXCEPT 11TH STREET) | 12,740 | 3,361.10 | 3,361.10 | LF | \$19.50 | \$65,541.45 |
| 121a | HOT-MIX ASPHALT PAVEMENT, 6.00" (6TH TO 11TH STREET) | 5,006 | 2,673.00 | 2,673.00 | SY | \$31.00 | \$82,863.00 |
| 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 | 0.00 | 0.00 | SY | \$44.00 | \$0.00 |
| 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 |

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6TH AVENUE RELIEF SEWER, CITY OF ROCK ISLAND, IL
 for work approved through 9/26/15, printed on 10/2/15

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

WORK SUMMARY

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|----------------------|--|------------|-----------|----------|------|-------------|----------------|
| | | Contracted | Completed | Approved | | | |
| 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) | | 16.15 | 0.00 | LS | \$370.00 | \$0.00 |
| 129 | FOUNDATION MATERIAL, SPECIAL | | 782.69 | 0.00 | CY | \$38.75 | \$0.00 |
| | | | | | | | \$0.00 |

Total Approved Value \$5,094,736.21

10% Retainage -\$509,473.62

Total Value Approved for Payment \$4,585,262.59

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 |

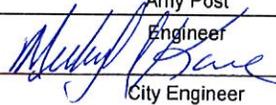
Total \$4,002,099

NET AMOUNT DUE \$583,163.78

SIGNED

 Robin Jones
 Resident Project Representative

10/2/2015
 Date

 Amy Post
 Engineer

 City Engineer

10/2/2015
 Date
 10/2/15
 Date


 Contractor

10-2-15
 Date

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