

September 22, 2016

TO THE BOARD OF PUBLIC WORKS
CITY OF WAUKESHA, WISCONSIN

Periodical estimate for Partial Payment No. 6 to American Sewer Services, Inc., N2768 County Rd P,
Rubicon, WI 53078 for N. Greenfield Avenue Utility and Street Improvements - **Concrete**.

Contract No. 3946

5/3/2016

\$ 1,087,774.50

| No | Quantity | Description | Cost | Per Unit | Amount |
|----|----------|---|---------------|-----------|--------------|
| 1 | 0.75 | Traffic Control | @ \$ 500.00 | L.S. | \$375.00 |
| 2 | 1,433 | Furnish and Install 8-Inch Water Main and Fittings | @ \$ 87.00 | Lin. Ft. | \$124,671.00 |
| 3 | 3 | Furnish and Install 8-Inch Gate Valves and | @ \$ 2,165.00 | Each | \$6,495.00 |
| 4 | 4 | Furnish and Install Hydrant Assembly | @ \$ 7,950.00 | Each | \$31,800.00 |
| 5 | 7 | Connect 1-Inch Service Lateral (SL1) | @ \$ 940.00 | Each | \$6,580.00 |
| 6 | 10 | Connect 1-Inch Service Lateral (SL2) | @ \$ 2,050.00 | Each | \$20,500.00 |
| 7 | 14 | Connect Service Lateral (SL3) | @ \$ 2,275.00 | Each | \$31,850.00 |
| 8 | 9 | Connect Service Lateral (SL4) | @ \$ 3,090.00 | Each | \$27,810.00 |
| 9 | 1 | Connect Service Lateral (SL5) | @ \$ 3,838.00 | Each | \$3,838.00 |
| 10 | 1 | Connect Service Lateral (SL6) | @ \$ 2,150.00 | Each | \$2,150.00 |
| 11 | 0 | Furnish and Install Curb Boxes and Rods | @ \$ 1,000.00 | Each | \$0.00 |
| 12 | 0 | Furnish and Install Curb Stop Where Needed | @ \$ 500.00 | Each | \$0.00 |
| 13 | 3 | Abandon Existing Hydrant | @ \$ 650.00 | Each | \$1,950.00 |
| 14 | 1 | Abandon Valve Boxes and Manholes | @ \$ 7,200.00 | L.S. | \$7,200.00 |
| 15 | 0 | Slurry Backfill | @ \$ 75.00 | Cu. Yd. | \$0.00 |
| 16 | 1,200 | 8-Inch Sanitary Sewer | @ \$ 106.00 | Lin. Ft. | \$127,200.00 |
| 17 | 27 | 48-Inch Diameter Sanitary Sewer Manhole | @ \$ 340.00 | Vert Ft | \$9,180.00 |
| 18 | 815 | 6-Inch Sanitary Lateral Replacement (Open Cut) | @ \$ 95.00 | Lin. Ft. | \$77,425.00 |
| 19 | 318 | 6-Inch Sanitary Lateral Replacement (Pipe Bursting) | @ \$ 110.00 | Lin. Ft. | \$34,980.00 |
| 20 | 10 | Excavation and Lateral Connection at Right-of-Way (Pipe Bursting) | @ \$ 800.00 | Each | \$8,000.00 |
| 21 | 0 | Sanitary Manhole Internal Chimney Seal | @ \$ 550.00 | Each | \$0.00 |
| 22 | 1,403.9 | Pre-Paving Sanitary Sewer Main Line | @ \$ 1.70 | Lin. Ft. | \$2,386.63 |
| 23 | 41 | Pre-Paving Sanitary Sewer Lateral Televising | @ \$ 240.00 | Each | \$9,840.00 |
| 24 | 0 | Storm Sewer Inlet Repair | @ \$ 850.00 | Vert. Ft. | \$0.00 |
| 25 | 0 | Sawcutting at Pavement Limits | @ \$ 5.00 | Lin. Ft. | \$0.00 |
| 26 | 2,800 | Concrete Curb and Gutter Removal | @ \$ 2.15 | Lin. Ft. | \$6,020.00 |
| 27 | 4,200 | Pavement Removal | @ \$ 6.00 | Sq. Yd. | \$25,200.00 |
| 28 | 5,000 | Sidewalk and Drive Approach Removal | @ \$ 0.55 | Sq. Ft. | \$2,750.00 |
| 29 | 3,000 | 1¼-Inch Dense Aggregate | @ \$ 15.00 | Tons | \$45,000.00 |
| 30 | 400 | 1¼-Inch Crushed Stone Backfill (Includes | @ \$ 19.00 | Tons | \$7,600.00 |

| | | | | | | |
|--|-------|---|------|-------|----------|--------------|
| 31 | 0 | 3-Inch Crushed Stone Backfill (Includes | @ \$ | 19.00 | Tons | \$0.00 |
| 32 | 1,120 | Shaping and Grading of Roadway Base | @ \$ | 5.40 | Lin. Ft. | \$6,048.00 |
| 33 | 1,920 | Geotextile Fabric, SAS | @ \$ | 1.60 | Sq. Yd. | \$3,072.00 |
| 34 | 0 | Concrete Curb and Gutter Replacement | @ \$ | 37.60 | Lin. Ft. | \$0.00 |
| 35 | 2,700 | 30-Inch Concrete Curb and Gutter | @ \$ | 16.00 | Lin. Ft. | \$43,200.00 |
| 36 | 3,000 | New 4-Inch Concrete Sidewalk and Curb | @ \$ | 3.80 | Sq. Ft. | \$11,400.00 |
| 37 | 50 | New 6-Inch Concrete Sidewalk and Drive | @ \$ | 5.40 | Sq. Ft. | \$270.00 |
| 38 | 145 | New 7-Inch Concrete Sidewalk and Drive | @ \$ | 6.50 | Sq. Ft. | \$942.50 |
| 39 | 0 | 4-Inch HMA Driveway | @ \$ | 16.00 | Sq. Ft. | \$0.00 |
| 40 | 64 | Detectable Warning Surface | @ \$ | 37.60 | Sq. Ft. | \$2,406.40 |
| 41 | 0 | Concrete Pedestrian - Curb | @ \$ | 30.00 | Lin. Ft. | \$0.00 |
| 42 | 3,200 | 8-Inch Non-Reinforced Concrete Pavement | @ \$ | 33.70 | Sq. Yd. | \$107,840.00 |
| 43 | 0 | HMA Pavement, 19.0 mm, Type E-0.3, PG 64-28 | @ \$ | - | Tons | \$0.00 |
| 44 | 0 | HMA Pavement, 9.5 mm, Type E-0.3, PG 64-28 | @ \$ | - | Tons | \$0.00 |
| 45 | 0 | Concrete Pavement Patching | @ \$ | 52.00 | Sq. Yd. | \$0.00 |
| 46 | 0 | 5-Inch HMA Blend | @ \$ | 83.00 | Sq. Yd. | \$0.00 |
| 47 | 0 | Topsoil and Sod (Includes Stripping) | @ \$ | 8.00 | Sq. Yd. | \$0.00 |
| 48 | 0 | Silt Fence, Delivered, Installed and | @ \$ | 5.40 | Lin. Ft. | \$0.00 |
| 49 | 6 | Straw Bales Delivered, Installed and | @ \$ | 21.50 | Each | \$129.00 |
| 50 | 2 | Filter Fabric Inlet Protection | @ \$ | 65.00 | Each | \$130.00 |
| 51 | 0 | Extra Bags of Cement for High-Early-Strength Concrete | @ \$ | 11.00 | Each | \$0.00 |
| Subtotal | | | | | | \$796,238.53 |
| Less Retainage | | | | | | \$27,194.36 |
| Subtotal | | | | | | \$769,044.17 |
| Less 4 Concrete Cylinders @ \$13.50 per Cylinder | | | | | | \$54.00 |
| Subtotal | | | | | | \$768,990.17 |
| Less Liquidated Damages (9 Days at \$500/Day) | | | | | | \$4,500.00 |
| Subtotal | | | | | | \$764,490.17 |
| Less Amount Previously Paid | | | | | | \$583,783.64 |
| Total Amount Due | | | | | | \$180,706.53 |

This estimate has been checked by the Engineering Department and we recommend that the above amount of \$180,706.53 be allowed.

Respectfully Submitted,



Fred V. Abadi, PhD., P.E.
Director of Public Works