

August 18, 2016

TO THE BOARD OF PUBLIC WORKS
CITY OF WAUKESHA, WISCONSIN

Periodical estimate for Partial Payment No. 9 to Advance Construction, Inc. 2141 Woodale Ave., Green Bay 54313, for West Main Street Utility and Street Improvements - **Concrete**.

Contract No. 3932

2/2/2016

\$ 2,498,614.58


| No | Quantity | Description | | Cost | Per Unit | Amount |
|----|----------|---|---|------------|-----------|--------------|
| 1 | 977 | Lin. Ft. of 24-Inch Water Main and Fittings | @ | \$295.00 | Lin. Ft. | \$288,215.00 |
| 2 | 123 | Lin. Ft. of 16-Inch Water Main and Fittings | @ | \$300.00 | Lin. Ft. | \$36,900.00 |
| 3 | 235 | Lin. Ft. of 12-Inch Water Main and Fittings | @ | \$300.00 | Lin. Ft. | \$70,500.00 |
| 4 | 72 | Lin. Ft. of 8-Inch Water Main and Fittings | @ | \$325.00 | Lin. Ft. | \$23,400.00 |
| 5 | 4 | Furnish and Install 24-Inch Butterfly Valves | @ | \$5,500.00 | Each | \$22,000.00 |
| 6 | 1 | Furnish and Install 16-Inch Butterfly Valve | @ | \$3,000.00 | Each | \$3,000.00 |
| 7 | 3 | Furnish and Install 12-Inch Gate Valves | @ | \$2,500.00 | Each | \$7,500.00 |
| 8 | 1 | Furnish and Install 8-Inch Gate Valve | @ | \$1,500.00 | Each | \$1,500.00 |
| 9 | 2 | Furnish and Install Hydrant Assembly | @ | \$9,300.00 | Each | \$18,600.00 |
| 10 | 2 | Connect Service Lateral (SL1) | @ | \$5,500.00 | Each | \$11,000.00 |
| 11 | 2 | Connect Service Lateral (SL2) | @ | \$5,000.00 | Each | \$10,000.00 |
| 12 | 11 | Connect Service Lateral (SL3) | @ | \$4,000.00 | Each | \$44,000.00 |
| 13 | 1 | Connect Service Lateral (SL4) | @ | \$4,000.00 | Each | \$4,000.00 |
| 14 | 1 | Connect Service Lateral (SL5) | @ | \$6,000.00 | Each | \$6,000.00 |
| 15 | 5 | Connect Service Lateral (SL6) | @ | \$9,500.00 | Each | \$47,500.00 |
| 16 | 3 | Abandon Existing Hydrant | @ | \$2,000.00 | Each | \$6,000.00 |
| 17 | 1 | Abandon Valve Boxes and Manholes | @ | \$3,000.00 | Lump Sum | \$3,000.00 |
| 18 | 282 | Lin. Ft. of 15-Inch PVC Sanitary Sewer | @ | \$355.00 | Lin. Ft. | \$100,110.00 |
| 19 | 320 | Lin. Ft. of 8-Inch PVC Sanitary Sewer | @ | \$345.00 | Lin. Ft. | \$110,400.00 |
| 20 | 42.5 | Vert. Ft. of 48-Inch Diameter Sanitary Manhole | @ | \$415.00 | Vert. Ft. | \$17,637.50 |
| 21 | 31 | Vert. Ft. of 48-Inch Diameter Sanitary Manhole w/Outside Drop | @ | \$480.00 | Vert. Ft. | \$14,880.00 |
| 22 | 738 | Lin. Ft. of 15-Inch Sanitary Sewer Lining (CIPP) | @ | \$41.75 | Lin. Ft. | \$30,811.50 |
| 23 | 49.2 | Vert. Ft. of Sanitary Manhole Rehabilitation | @ | \$132.00 | Vert. Ft. | \$6,494.40 |
| 24 | 4 | Chimney Replacement, Sanitary | @ | \$1,000.00 | Each | \$4,000.00 |
| 25 | 21 | Chimney Replacement, Storm | @ | \$1,000.00 | Each | \$21,000.00 |
| 26 | 10 | Sanitary Sewer Chimney Seals | @ | \$390.00 | Each | \$3,900.00 |
| 27 | 88 | Pre-Construction Sewer Lateral Televising | @ | \$236.00 | Each | \$20,768.00 |
| 28 | 21 | Sanitary Lateral Reinstatement | @ | \$100.00 | Each | \$2,100.00 |
| 29 | 23 | Sanitary Lateral Cleanout | @ | \$1,400.00 | Each | \$32,200.00 |
| 30 | 20 | Sanitary Lateral Cleaning and Prelining Video Inspection | @ | \$262.50 | Each | \$5,250.00 |
| 31 | 5 | Sanitary Lateral Spot Repair | @ | \$5,600.00 | Each | \$28,000.00 |
| 32 | 18 | CIPP Lateral Lining within 20 Ft. of Sewer Main | @ | \$3,020.00 | Each | \$54,360.00 |
| 33 | 75.5 | Lin. Ft. of CIPP Lateral Lining Additional Length over 20 Ft. from Sewer Main | @ | \$52.50 | Lin. Ft. | \$3,963.75 |
| 34 | 135 | Lin. Ft. of 24-Inch Storm Sewer (RCSP) | @ | \$125.00 | Lin. Ft. | \$16,875.00 |
| 35 | 85 | Lin. Ft. of 12-Inch Storm Sewer (RCSP) | @ | \$115.00 | Lin. Ft. | \$9,775.00 |
| 36 | 1,136 | Lin. Ft. of 12-Inch of Storm Sewer Lining (CIPP) | @ | \$32.75 | Lin. Ft. | \$37,204.00 |
| 37 | 360 | Lin. Ft. of 15-Inch Storm Lining (CIPP) | @ | \$41.75 | Lin. Ft. | \$15,030.00 |
| 38 | 158 | Lin. Ft. of 18-Inch Storm Lining (CIPP) | @ | \$58.00 | Lin. Ft. | \$9,164.00 |
| 39 | 34 | Storm Sewer Lateral Reinstatements | @ | \$100.00 | Each | \$3,400.00 |

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|----|--------|---|---|-------------|-----------|--------------|
| 40 | 110.4 | Vert. Ft. of Standard Storm Inlets | @ | \$390.00 | Vert. Ft. | \$43,056.00 |
| 41 | 110 | Vert. Ft. of Storm Manhole Rehabilitation | @ | \$103.00 | Vert. Ft. | \$11,330.00 |
| 42 | 3,043 | Lin. Ft. of Prepaving Sanitary and Storm Sewer Televising | @ | \$1.85 | Lin. Ft. | \$5,629.55 |
| 43 | 20 | Prepaving Sanitary Lateral Televising | @ | \$157.50 | Each | \$3,150.00 |
| 44 | 0 | Cu. Yds. of Slurry Backfill | @ | \$80.00 | Cu. Yd. | \$0.00 |
| 45 | 500 | Lin. Ft. of Frost Removal | @ | \$10.00 | Lin. Ft. | \$5,000.00 |
| 46 | 248 | Clearing and Grubbing | @ | \$42.50 | Each | \$10,540.00 |
| 47 | 2,700 | Lin. Ft. of Concrete Curb and Gutter Removal | @ | \$6.00 | Lin. Ft. | \$16,200.00 |
| 48 | 4,950 | Sq. Yds. of Pavement Removal | @ | \$5.50 | Sq. Yd. | \$27,225.00 |
| 49 | 220 | Lin. Ft. of Sawcutting at Pavement Limits | @ | \$2.00 | Lin. Ft. | \$440.00 |
| 50 | 3,304 | Tons of 1¼-Inch Dense Aggregate | @ | \$11.60 | Ton | \$38,326.40 |
| 51 | 0 | Tons of 1¼-Inch Crushed Stone Backfill (Includes Undercut) | @ | \$17.00 | Ton | \$0.00 |
| 52 | 0 | Tons of 3-Inch Crushed Stone Backfill (Includes Undercut) | @ | \$17.00 | Ton | \$0.00 |
| 53 | 0 | Sq. Yds. of Geotextile Fabric, Type SAS | @ | \$2.00 | Sq. Yd. | \$0.00 |
| 54 | 1 | Traffic Control | @ | \$34,000.00 | Lump Sum | \$34,000.00 |
| 55 | 1,300 | Lin. Ft. of Shaping and Grading Roadway Base | @ | \$12.50 | Lin. Ft. | \$16,250.00 |
| 56 | 25,000 | Sq. Ft. of Walk and Approach Removal | @ | \$1.05 | Sq. Ft. | \$26,250.00 |
| 57 | 70 | Lin. Ft. of Non Metallic Conduit, Street Light, Polyethylene Duct, 2-Inch | @ | \$6.79 | Lin. Ft. | \$475.30 |
| 58 | 3 | Concrete Bases, Post Top | @ | \$777.31 | Each | \$2,331.93 |
| 59 | 513 | Lin. Ft. of Electrical Wire 6 AWG | @ | \$1.43 | Lin. Ft. | \$733.59 |
| 60 | 1,187 | Lin. Ft. of Electrical Wire 4 AWG | @ | \$1.94 | Lin. Ft. | \$2,302.78 |
| 61 | 1,026 | Lin. Ft. of Electrical Wire 2 AWG | @ | \$2.68 | Lin. Ft. | \$2,749.68 |
| 62 | 2,200 | Lin. Ft. of 30-Inch Combination Concrete Curb and Gutter | @ | \$15.00 | Lin. Ft. | \$33,000.00 |
| 63 | 330 | Lin. Ft. of 18-inch Combination Concrete Curb and Gutter | @ | \$25.00 | Lin. Ft. | \$8,250.00 |
| 64 | 0 | Lin. Ft. of Concrete Curb and Gutter Removal and Replacement | @ | \$50.00 | Lin. Ft. | \$0.00 |
| 65 | 1,400 | Sq. Ft. of New 3-Inch Concrete | @ | \$4.00 | Sq. Ft. | \$5,600.00 |
| 66 | 10,000 | Sq. Ft. of New 4-Inch Concrete Walk and Curb Ramps | @ | \$4.75 | Sq. Ft. | \$47,500.00 |
| 67 | 225 | Sq. Ft. of New 7-Inch Concrete Walk and Drive Approach | @ | \$4.90 | Sq. Ft. | \$1,102.50 |
| 68 | 12,000 | Sq. Ft. of Bituminous Set Concrete Paver Paving, 80 mm | @ | \$20.50 | Sq. Ft. | \$246,000.00 |
| 69 | 100 | Sq. Ft. of Salvage and Reset Brick Pavers | @ | \$12.00 | Sq. Ft. | \$1,200.00 |
| 70 | 20 | Paver Grate with Tree Ring (4' x 5') | @ | \$3,000.00 | Each | \$60,000.00 |
| 71 | 225 | Cu. Yds. of Structural Soil | @ | \$51.00 | Cu. Yd. | \$11,475.00 |
| 72 | 152 | Sq. Ft. of Detectable Warning Surface | @ | \$40.00 | Sq. Ft. | \$6,080.00 |
| 73 | 0 | Lin. Ft. of Concrete Curb – Pedestrian | @ | \$50.00 | Lin. Ft. | \$0.00 |
| 74 | 4,800 | Sq. Yds. of 8-Inch Concrete Pavement | @ | \$37.00 | Sq. Yd. | \$177,600.00 |
| 75 | 0 | INTENTIONALLY LEFT BLANK | @ | | | \$0.00 |
| 76 | 0 | INTENTIONALLY LEFT BLANK | @ | | | \$0.00 |
| 77 | 1,500 | Sq. Ft. of 5-Inch HMA Blend Area Pavement | @ | \$6.50 | Sq. Ft. | \$9,750.00 |
| 78 | 171 | Sq. Ft. of 4-Inch HMA Pavement | @ | \$10.00 | Sq. Ft. | \$1,710.00 |
| 79 | 2,000 | Sq. Yds. of Pavement Patching, Temporary, 2-Inch | @ | \$15.00 | Sq. Yd. | \$30,000.00 |
| 80 | 0 | Sq. Ft. of 8-Inch Concrete Pavement Removal and Replacement | @ | \$10.50 | Sq. Ft. | \$0.00 |
| 81 | 700 | Lin. Ft. of Pavement Markings, Yellow, Epoxy, 4-Inch | @ | \$0.95 | Lin. Ft. | \$665.00 |
| 82 | 1,100 | Lin. Ft. of Pavement Markings, White, Epoxy, 4-Inch | @ | \$5.75 | Lin. Ft. | \$6,325.00 |
| 83 | 500 | Lin. Ft. of Pavement Markings, White, Epoxy, 6-Inch | @ | \$8.50 | Lin. Ft. | \$4,250.00 |
| 84 | 420 | Lin. Ft. of Pavement Markings, White, Epoxy, 12-Inch | @ | \$10.75 | Lin. Ft. | \$4,515.00 |
| 85 | 80 | Lin. Ft. of Pavement Markings, White, Epoxy, 18-Inch | @ | \$11.50 | Lin. Ft. | \$920.00 |
| 86 | 4 | Pavement Markings, White, Epoxy, Handicap Symbol | @ | \$95.00 | Each | \$380.00 |
| 87 | 1 | Valve Box Adjustments | @ | \$200.00 | Each | \$200.00 |
| 88 | 34 | Sq. Yds. of Topsoil and Sod (Includes Stripping) | @ | \$35.00 | Sq. Yd. | \$1,190.00 |
| 89 | 0 | Lin. Ft. of Silt Fence, Delivered, Installed and Maintained | @ | \$4.00 | Lin. Ft. | \$0.00 |
| 90 | 0 | Straw Bales Delivered, Installed and Maintained | @ | \$16.00 | Each | \$0.00 |

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|-----------------------------|----|--|---|-------------|----------|----------------|
| 91 | 19 | Filter Fabric Inlet Protection | @ | \$70.00 | Each | \$1,330.00 |
| 92 | 0 | Extra Bags of Cement for High-Early-Strength Concrete | @ | \$15.00 | Each | \$0.00 |
| 93 | 1 | Temporary Lighting | @ | \$30,209.79 | Lump Sum | \$30,209.79 |
| Extra No. 1 | 1 | Additional Work on 2" Water Service to 831 N. Grand Ave. | @ | \$1,700.00 | Lump Sum | \$1,700.00 |
| Extra No. 2 | 1 | Install 8-Inch Sanitary Sewer Lateral from Manhole #3558 to Right-of-way | @ | \$10,000.00 | Lump Sum | \$10,000.00 |
| Extra No. 3 | 1 | Remove Light Pole and Rewire System to Maintain Temporary Lighting | @ | \$935.77 | Lump Sum | \$935.77 |
| Extra No. 4 | 1 | Adjust Existing Street Light Conduit to Avoid Conflicts | @ | \$1,880.14 | Lump Sum | \$1,880.14 |
| Extra No. 5 | 3 | Adjust Existing Pull Boxes | @ | \$225.00 | Each | \$675.00 |
| Extra No. 6 | 1 | Adjust Street Light Conduit Crossing | @ | \$649.19 | Lump Sum | \$649.19 |
| Extra No. 7 | 30 | Incentive Payment | @ | \$1,500.00 | Each Day | \$45,000.00 |
| Subtotal | | | | | | \$2,146,520.77 |
| Less Retainage | | | | | | \$62,465.00 |
| Total | | | | | | \$2,084,055.77 |
| Less Amount Previously Paid | | | | | | \$1,937,876.74 |
| Total Amount Due | | | | | | \$146,179.03 |

This estimate has been checked by the Engineering Department and we recommend that the above amount of \$146,179.03 be allowed.

Respectfully Submitted,


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