

October 6, 2016

TO THE BOARD OF PUBLIC WORKS
CITY OF WAUKESHA, WISCONSIN

Periodical estimate for Partial Payment No. 8 to UPI, LLC, 2180 S. Springdale Rd., New Berlin 53146 for Tenny Avenue Utility and Street Improvements - **Concrete**.

Contract No. 3942

3/11/2016

\$ 1,234,411.15

| No | Quantity | Description | | Cost | Per Unit | Amount |
|----|----------|--|---|------------|-----------|--------------|
| 1 | 1,274 | Lin. Ft. of Furnish and Install 8-Inch Water Main and Fittings | @ | \$76.00 | Lin. Ft. | \$96,824.00 |
| 2 | 1 | Furnish and Install 8-Inch Gate Valve & Box | @ | \$1,595.00 | Each | \$1,595.00 |
| 3 | 4 | Furnish and Install Hydrant Assembly | @ | \$5,250.00 | Each | \$21,000.00 |
| 4 | 6 | Connect 1-Inch Service Lateral (SL1) | @ | \$800.00 | Each | \$4,800.00 |
| 5 | 10 | Connect 1-Inch Service Lateral (SL2) | @ | \$1,385.00 | Each | \$13,850.00 |
| 6 | 16 | Connect 1-Inch Service Lateral (SL3) | @ | \$2,060.00 | Each | \$32,960.00 |
| 7 | 13 | Connect 1 1/4-Inch Service Lateral (SL4) | @ | \$2,300.00 | Each | \$29,900.00 |
| 8 | 1 | Connect 1 1/4-Inch Service Lateral (SL5) | @ | \$1,385.00 | Each | \$1,385.00 |
| 9 | 0 | Furnish and Install Curb Box & Rod (if needed) | @ | \$575.00 | Each | \$0.00 |
| 10 | 0 | Furnish and Install Curb Stop (if needed) | @ | \$600.00 | Each | \$0.00 |
| 11 | 3 | Abandon Existing Hydrant | @ | \$650.00 | Each | \$1,950.00 |
| 12 | 1 | Abandon Valve Boxes & Manholes | @ | \$3,300.00 | Lump Sum | \$3,300.00 |
| 13 | 1,500 | Lin. Ft. of 8-Inch Sanitary Sewer Relay | @ | \$144.00 | Lin. Ft. | \$216,000.00 |
| 14 | 27 | Vert. Ft. of 48-Inch Diameter Sanitary Sewer Manhole | @ | \$217.00 | Vert. Ft. | \$5,859.00 |
| 15 | 37 | Vert. Ft. of 48-Inch Diameter Sanitary Sewer Manhole with Outside Drop | @ | \$445.00 | Vert. Ft. | \$16,465.00 |
| 16 | 5 | Sanitary Manhole Chimney Seals | @ | \$525.00 | Each | \$2,625.00 |
| 17 | 1,125 | Lin. Ft. of 45 - 6-Inch Sanitary Lateral Replacement (Open Cut) | @ | \$87.00 | Lin. Ft. | \$97,875.00 |
| 18 | 80 | Lin. Ft. of 6 - 6-Inch Sanitary Lateral Replacement (Pipe Bursting) | @ | \$130.00 | Lin. Ft. | \$10,400.00 |
| 19 | 3 | Excavation and Lateral Connection at Right-of-Way (Pipe Bursting) | @ | \$1,495.00 | Each | \$4,485.00 |
| 20 | 40 | Vert. Ft. of 6-Inch PVC Sanitary Lateral Riser | @ | \$83.00 | Vert. Ft. | \$3,320.00 |
| 21 | 1.0 | 805 E. College Avenue Lateral Installation | @ | \$9,600.00 | Each | \$9,600.00 |
| 22 | 1.0 | 117 Tenny Avenue Lateral Installation | @ | \$9,600.00 | Each | \$9,600.00 |
| 23 | 415 | Lin. Ft. of Abandon 8-Inch Sanitary Sewer | @ | \$7.00 | Lin. Ft. | \$2,905.00 |
| 24 | 1,500 | Lin. Ft. of Pre-Paving Main Line Sanitary Sewer Televising | @ | \$2.00 | Lin. Ft. | \$3,000.00 |
| 25 | 45 | Pre-Paving Sanitary Lateral Sewer Televising | @ | \$206.00 | Each | \$9,270.00 |
| 26 | 900 | Lin. Ft. of 12-Inch Storm Sewer Lining (CIPP) | @ | \$26.00 | Lin. Ft. | \$23,400.00 |
| 27 | 45 | Lin. Ft. of 24-Inch Storm Sewer (RCSP) | @ | \$138.00 | Lin. Ft. | \$6,210.00 |
| 28 | 190 | Lin. Ft. of 12-Inch Storm Sewer (RCSP) | @ | \$136.00 | Lin. Ft. | \$25,840.00 |
| 29 | 1 | 12-Inch Storm Sewer Spot Repair | @ | \$2,240.00 | Each | \$2,240.00 |
| 30 | 0 | Cu. Yds. of Slurry Backfill | @ | \$51.00 | Cu. Yd. | \$0.00 |
| 31 | 65 | Vert. Ft. of Standard Storm Inlets | @ | \$263.00 | Vert. Ft. | \$17,095.00 |
| 32 | 27 | Vert. Ft. of Standard Storm Manhole | @ | \$324.00 | Vert. Ft. | \$8,748.00 |
| 33 | 4 | Vert. Ft. of Rehabilitate Storm Manhole with Cementious Liner | @ | \$350.00 | Vert. Ft. | \$1,400.00 |
| 34 | 1 | Chimney Replacement | @ | \$790.00 | Each | \$790.00 |
| 35 | 1,100 | Lin. Ft. of Pre-Paving Main Line Storm Sewer Televising | @ | \$2.00 | Lin. Ft. | \$2,200.00 |
| 36 | 8,100 | Sq. Ft. of Walk and Approach Removal | @ | \$1.25 | Sq. Ft. | \$10,125.00 |
| 37 | 2,960 | Lin. Ft. of Concrete Curb and Gutter Removal | @ | \$4.10 | Lin. Ft. | \$12,135.59 |
| 38 | 4,100 | Sq. Yds. of Pavement Removal - Reconstruction Areas | @ | \$6.20 | Sq. Yd. | \$25,420.00 |
| 39 | 1,000 | Sq. Yds. of Pavement Removal - Rehabilitation Areas | @ | \$6.20 | Sq. Yd. | \$6,200.00 |
| 40 | 150 | Lin. Ft. of Sawcutting at Pavement Limits | @ | \$3.00 | Lin. Ft. | \$450.00 |
| 41 | 3,787.09 | Tons of 1 1/4-Inch Dense Aggregate | @ | \$14.50 | Ton | \$54,912.81 |
| 42 | 0 | Tons of 1 1/4-Inch Crushed Stone Backfill (Includes Undercut) | @ | \$10.30 | Ton | \$0.00 |
| 43 | 20 | Tons of 3-Inch Crushed Stone Backfill (Includes Undercut) | @ | \$12.40 | Ton | \$246.39 |
| 44 | 0 | Sq. Yds. of Geotextile Fabric, Type SAS | @ | \$3.10 | Sq. Yd. | \$0.00 |
| 45 | 1 | Traffic Control | @ | \$8,800.00 | Lump Sum | \$8,800.00 |
| 46 | 1,300 | Lin. Ft. of Shaping and Grading Roadway Base | @ | \$20.00 | Lin. Ft. | \$26,000.00 |
| 47 | 2,600 | Lin. Ft. of 30-Inch Combination Concrete Curb and Gutter | @ | \$14.50 | Lin. Ft. | \$37,700.00 |
| 48 | 0 | Lin. Ft. of Concrete Curb and Gutter Removal and Replacement | @ | \$41.20 | Lin. Ft. | \$0.00 |
| 49 | 10 | Lin. Ft. of Concrete Curb - Pedestrian | @ | \$41.20 | Lin. Ft. | \$412.00 |

| | | | | | | |
|----------------------|-------|---|---|----------|----------|----------------|
| 50 | 4,200 | Sq. Ft. of New 4-Inch Concrete Walk and Curb Ramps | @ | \$4.25 | Sq. Ft. | \$17,850.00 |
| 51 | 5,400 | Sq. Ft. of New 6-Inch Concrete Walk and Drive Approach | @ | \$4.65 | Sq. Ft. | \$25,110.00 |
| 52 | 186 | Sq. Ft. of Detectable Warning Field | @ | \$41.20 | Sq. Ft. | \$7,663.20 |
| 53 | 0 | Tons of HMA Pavement, 19.0 mm, Type E-1, PG 64-28 | @ | \$75.20 | Ton | \$0.00 |
| 54 | 150 | Tons of HMA Pavement, 12.5 mm, Type E-1, PG 64-28 | @ | \$76.20 | Ton | \$11,417.05 |
| 55 | 0 | Tons of HMA Pavement, 9.5 mm, Type E-1, PG 64-28 | @ | \$77.25 | Ton | \$0.00 |
| 56 | 4,000 | Sq. Yds. of 8-Inch Concrete Pavement | @ | \$27.85 | Sq. Yd. | \$111,400.00 |
| 57 | 0 | Sq. Ft. of 8-Inch Concrete Pavement Removal and Replacement | @ | \$8.25 | Sq. Ft. | \$0.00 |
| 58 | 0 | Sq. Ft. of 5-Inch HMA Blend Area Pavement | @ | \$6.20 | Sq. Ft. | \$0.00 |
| 59 | 295.2 | Sq. Yds. of Pavement Patching, Temporary, 2-Inch | @ | \$31.00 | Sq. Yd. | \$9,151.20 |
| 60 | 0 | Sq. Ft. of 4-Inch HMA Pavement | @ | \$14.50 | Sq. Ft. | \$0.00 |
| 61 | 0 | Lin. Ft. of Pavement Markings, Yellow, Epoxy, 4-Inch | @ | \$2.50 | Lin. Ft. | \$0.00 |
| 62 | 0 | Lin. Ft. of Pavement Markings, White, Epoxy, 6-Inch | @ | \$7.75 | Lin. Ft. | \$0.00 |
| 63 | 0 | Lin. Ft. of Pavement Markings, White, Epoxy, 18-Inch | @ | \$10.20 | Lin. Ft. | \$0.00 |
| 64 | 0 | Lin. Ft. of Pavement Marking, White, Epoxy, 8-Inch | @ | \$4.95 | Lin. Ft. | \$0.00 |
| 65 | 0 | Pavement Marking, White, Epoxy, Type 3 Arrow | @ | \$325.00 | Each | \$0.00 |
| 66 | 0 | Pavement Marking, White, Epoxy, Type 2 Arrow | @ | \$280.00 | Each | \$0.00 |
| 67 | 0 | Pavement Marking, White, Epoxy, Words "Only" | @ | \$300.00 | Each | \$0.00 |
| 68 | 0 | Pavement Marking Removal, Arrows | @ | \$62.00 | Each | \$0.00 |
| 69 | 1,800 | Sq. Yds. of Topsoil and Sod (Includes Stripping) | @ | \$7.70 | Sq. Yd. | \$13,860.00 |
| 70 | 0 | Lin. Ft. of Silt Fence, Delivered, Installed and Maintained | @ | \$5.00 | Lin. Ft. | \$0.00 |
| 71 | 0 | Straw Bales Delivered, Installed and Maintained | @ | \$15.00 | Each | \$0.00 |
| 72 | 25 | Filter Fabric Inlet Protection | @ | \$46.00 | Each | \$1,150.00 |
| 73 | 0 | Extra Bags of Cement for High-Early-Strength Concrete | @ | \$10.30 | Each | \$0.00 |
| 74 | 1 | Bench/Invert/Trough Work Minor | @ | \$580.00 | Each | \$580.00 |
| Subtotal | | | | | | \$1,067,474.24 |
| Retainage | | | | | | \$30,860.28 |
| Subtotal | | | | | | \$1,036,613.96 |
| Less Previously Paid | | | | | | \$1,003,015.68 |
| Total Amount Due | | | | | | \$33,598.28 |

This estimate has been checked by the Engineering Department and we recommend that the above amount of \$33,598.28 be allowed.

Respectfully Submitted,



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