

November 9, 2017

TO THE BOARD OF PUBLIC WORKS
CITY OF WAUKESHA, WISCONSIN

Periodical estimate for Partial Payment No. 8 to Zignego Company, Inc., W226 N2940 Duplainville Rd., Waukesha, WI 53186
for Arcadian Avenue Utility And Street Improvements - **Concrete Pavement.**

Contract No. 4001

4/14/2017

\$1,866,956.18 (Amended \$1,907,569.18)


| Item No | Bid Quantity | Completed Quantity | Description | Cost | Per Unit | Amount |
|---------|--------------|--------------------|--|------------|---------------------|--------------|
| 1 | 840 | 835 | Lin. Ft. of 12-Inch Water Main and Fittings | @ | Lin. Ft. \$ 85.00 | \$70,975.00 |
| | | | Lin. Ft. of 12-Inch D.I. Water Main and Fittings | @ | Lin. Ft. \$ 367.00 | \$12,478.00 |
| 2 | 40 | 34 | Lin. Ft. of 8-Inch Water Main and Fittings | @ | Lin. Ft. \$ 112.50 | \$62,550.00 |
| 3 | 570 | 556 | Lin. Ft. of 6-Inch D.I. Water Main and Fittings | @ | Lin. Ft. \$ 195.00 | \$62,925.00 |
| 4 | 10 | 15 | Furnish and Install 12" Gate Valve & Box | @ | Each \$ 2,115.00 | \$12,690.00 |
| 5 | 6 | 6 | Furnish and Install 8" Gate Valve & Box | @ | Each \$ 1,243.00 | \$6,215.00 |
| 6 | 5 | 5 | Furnish and Install Hydrant Assembly | @ | Each \$ 4,630.00 | \$9,260.00 |
| 7 | 2 | 2 | Furnish and Install 6" D.I. Lead or 6" - 90° Swivel x Swivel and Hydrant | @ | Each \$ 4,657.00 | \$4,657.00 |
| 8 | 2 | 1 | Connect Service Lateral (SL1) | @ | Each \$ 1,602.00 | \$6,408.00 |
| 9 | 4 | 4 | Connect Service Lateral (SL2) | @ | Each \$ 2,576.00 | \$28,336.00 |
| 10 | 11 | 11 | Connect Service Lateral (WWU Tap) (SL3) | @ | Each \$ 3,241.00 | \$9,723.00 |
| 11 | 3 | 3 | Connect Service Lateral (WWU Tap) (SL4) | @ | Each \$ 3,631.00 | \$10,893.00 |
| 12 | 3 | 3 | Connect Service Lateral (SL5) | @ | Each \$ 1,662.00 | \$4,986.00 |
| 13 | 3 | 3 | "Connect Service Lateral (WWU Tap) (SL6) | @ | Each \$ 2,278.00 | \$4,556.00 |
| 14 | 2 | 2 | Connect Service Lateral (SL7) | @ | Each \$ 5,330.00 | \$5,330.00 |
| 15 | 1 | 1 | Furnish and Install Curb Boxes and Rods where needed | @ | Each \$ 800.00 | \$0.00 |
| 16 | 2 | 0 | Furnish and Install Curb Stops where needed | @ | Each \$ 580.00 | \$0.00 |
| 17 | 2 | 0 | Abandon Existing Hydrants | @ | Each \$ 500.00 | \$3,000.00 |
| 18 | 6 | 6 | Abandon Valve Boxes & Manholes | @ Lump Sum | \$ 1,000.00 | \$1,000.00 |
| 19 | 1 | 1 | Lin Ft of 18-Inch Sanitary Sewer (PVC) | @ | Lin. Ft. \$ 193.50 | \$26,316.00 |
| 20 | 132 | 136 | Lin Ft of 8-Inch Sanitary Sewer (PVC) | @ | Lin. Ft. \$ 99.00 | \$146,025.00 |
| 21 | 1659 | 1,475 | 6-Inch Lateral Replacement (Open Cut) | @ | Lin. Ft. \$ 110.00 | \$54,010.00 |
| 22 | 585 | 491.0 | 6-Inch Lateral Replacement (Pipe Bursting) | @ | Lin. Ft. \$ 53.00 | \$1,749.00 |
| 23 | 35 | 33 | Excavation and Lateral Connection at Right-of-Way (Pipe Bursting) | @ | Each \$ 1,173.00 | \$1,173.00 |
| 24 | 1 | 1 | Vert. Ft. of Sanitary Manhole | @ | Vert. Ft. \$ 278.00 | \$26,688.00 |
| 25 | 100 | 96.00 | Lin. Ft. of 8-Inch Sanitary Sewer Lining (CIPP) | @ | Lin. Ft. \$ 21.00 | \$29,400.00 |
| 26 | 1400 | 1,400 | Sanitary Sewer Spot Repair | @ | Each \$ 4,000.00 | \$0.00 |
| 27 | 2 | 0 | Sanitary Lateral Reinstatement | @ | Each \$ 150.00 | \$5,400.00 |
| 28 | 36 | 36 | Sanitary Lateral Connection Test and Seal | @ | Each \$ 248.00 | \$0.00 |
| 29 | 25 | 0 | Sanitary Lateral Televising - Preconstruction | @ | Each \$ 225.00 | \$0.00 |
| 30 | 11 | 0 | Sanitary Lateral Cleanout | @ | Each \$ 1,325.00 | \$0.00 |
| 31 | 11 | 0 | Sanitary Lateral Cleaning and Prelining Video Inspection | @ | Each \$ 225.00 | \$0.00 |
| 32 | 11 | 0 | Sanitary Lateral Spot Repair | @ | Each \$ 3,300.00 | \$0.00 |
| 33 | 2 | 0 | Sanitary Lateral Lining (CIPP) within 25 Ft. of Sewer Main | @ | Each \$ 3,000.00 | \$0.00 |
| 34 | 11 | 0 | Lin. Ft. of Sanitary Lateral Lining (CIPP) Additional Length over 25 Ft. from Sewer Main | @ | Lin. Ft. \$ 55.00 | \$0.00 |
| 35 | 110 | 0 | Sanitary/Storm Manhole Rehabilitation (Approx. 95 Vert. Ft.) | @ | Each \$ 800.00 | \$0.00 |
| 36 | 13 | 0 | Sanitary Manhole Bench / Invert / Trough Work Minor | @ | Each \$ 750.00 | \$0.00 |
| 37 | 1 | 0 | Sanitary Manhole Chimney Seal | @ | Each \$ 500.00 | \$0.00 |
| 38 | 13 | 0 | Chimney Replacement | @ | Each \$ 800.00 | \$0.00 |
| 39 | 10 | 0 | Lin. Ft. of 21-Inch Storm Sewer (PVC) | @ | Lin. Ft. \$ 84.00 | \$1,680.00 |
| 40 | 20 | 20 | | @ | | |

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|----|-------|---------|--|---|-----------|--------------|--------------|
| 41 | 60 | 65 | Lin. Ft. of 15-Inch Storm Sewer (PVC) | @ | Lin. Ft. | \$ 73.00 | \$4,745.00 |
| 42 | 55 | 49.5 | Lin. Ft. of 12-Inch Storm Sewer (PVC) | @ | Lin. Ft. | \$ 64.00 | \$3,168.00 |
| 43 | 6 | 0 | Lin. Ft. of 21-Inch Storm Sewer (RSCP) | @ | Lin. Ft. | \$ 112.00 | \$0.00 |
| 44 | 6 | 6 | Lin. Ft. of 15-Inch Storm Sewer (RSCP) | @ | Lin. Ft. | \$ 98.00 | \$588.00 |
| 45 | 186 | 85 | Lin. Ft. of 12-Inch Storm Sewer (RSCP) | @ | Lin. Ft. | \$ 69.00 | \$5,865.00 |
| 46 | 176 | 0 | Lin. Ft. of 24-Inch of Storm Sewer lining (CIPP) | @ | Lin. Ft. | \$ 93.50 | \$0.00 |
| 47 | 225 | 0 | Lin. Ft. of 21-Inch of Storm Sewer lining (CIPP) | @ | Lin. Ft. | \$ 69.00 | \$0.00 |
| 48 | 50 | 0 | Lin. Ft. of 18-Inch of Storm Sewer lining (CIPP) | @ | Lin. Ft. | \$ 194.00 | \$0.00 |
| 49 | 412 | 0 | Lin. Ft. of 15-Inch of Storm Sewer lining (CIPP) | @ | Lin. Ft. | \$ 50.25 | \$0.00 |
| 50 | 1349 | 1,335 | Lin. Ft. of 12-Inch of Storm Sewer lining (CIPP) | @ | Lin. Ft. | \$ 33.00 | \$44,055.00 |
| 51 | 9 | 7.9 | Vert. Ft. of Storm Manhole | @ | Vert. Ft. | \$ 235.00 | \$1,856.50 |
| 52 | 57 | 48.60 | Vert. Ft. of Storm Inlet | @ | Vert. Ft. | \$ 363.00 | \$17,641.80 |
| 53 | 12 | 0 | Vert. Ft. of Storm Inlet Repair | @ | Vert. Ft. | \$ 300.00 | \$0.00 |
| 54 | 12 | 0 | Vert. Ft. of Storm Sewer Manhole Repair | @ | Vert. Ft. | \$ 300.00 | \$0.00 |
| 55 | 1 | 0 | Remove and Replace 24-Inch CMP Flared End Section | @ | Each | \$ 750.00 | \$0.00 |
| 56 | 2216 | 0 | Lin. Ft. of Sanitary Sewer Televising - Prepaving | @ | Lin. Ft. | \$ 1.25 | \$0.00 |
| 57 | 2484 | 0 | Lin. Ft. of Storm Sewer Televising - Prepaving | @ | Lin. Ft. | \$ 1.25 | \$0.00 |
| 58 | 28 | 0 | Sanitary Lateral Televising - Prepaving | @ | Each | \$ 240.00 | \$0.00 |
| 59 | 80 | 0 | Cu. Yds. of Slurry Backfill | @ | Cu. Yd. | \$ 60.00 | \$0.00 |
| 60 | 4750 | 4,750 | Lin. Ft. of Concrete Curb and Gutter Removal | @ | Lin. Ft. | \$ 1.00 | \$4,750.00 |
| 61 | 12500 | 11,914 | Sq. Yds. of Pavement Removal | @ | Sq. Yd. | \$ 9.20 | \$109,608.80 |
| 62 | 800 | 775 | Lin. Ft. of Sawcutting at Pavement Limits | @ | Lin. Ft. | \$ 2.35 | \$1,821.25 |
| 63 | 7500 | 5,600 | Tons of 1½-Inch Dense Aggregate | @ | Ton | \$ 10.00 | \$56,000.00 |
| 64 | 850 | 400 | Tons of 1½-Inch Crushed Stone Backfill (Includes Undercut) | @ | Ton | \$ 10.00 | \$4,000.00 |
| 65 | 1200 | 0 | Tons of 3-Inch Crushed Stone Backfill (Includes Undercut) | @ | Ton | \$ 10.00 | \$0.00 |
| 66 | 3500 | 1,486 | Sq. Yds. of Geotextile Fabric, Type SAS | @ | Sq. Yd. | \$ 1.00 | \$1,486.00 |
| 67 | 1 | 1.00 | Traffic Control | @ | Lump Sum | \$ 53,400.00 | \$53,400.00 |
| 68 | 2650 | 2,500 | Lin. Ft. of Shaping and Grading Roadway Base | @ | Lin. Ft. | \$ 1.00 | \$2,500.00 |
| 69 | 14450 | 13,600 | Sq. Ft. of Walk and Approach Removal | @ | Sq. Ft. | \$ 0.75 | \$10,200.00 |
| 70 | 4800 | 4,600 | Lin. Ft. of 30-Inch Combination Concrete Curb and Gutter | @ | Lin. Ft. | \$ 12.18 | \$56,028.00 |
| 71 | 75 | 0 | Lin. Ft. of Concrete Curb and Gutter Removal and Replacement | @ | Lin. Ft. | \$ 32.00 | \$0.00 |
| 72 | 900 | 2,747.5 | Sq. Ft. of Concrete Pavement Removal and Replacement | @ | Sq. Ft. | \$ 7.00 | \$19,232.50 |
| 73 | 9250 | 7,800 | Sq. Ft. of New 4-Inch Concrete Walk and Curb Ramps | @ | Sq. Ft. | \$ 4.38 | \$34,164.00 |
| 74 | 4600 | 3,900 | Sq. Ft. of New 6-Inch Concrete Walk and Drive Approach | @ | Sq. Ft. | \$ 4.77 | \$18,603.00 |
| 75 | 850 | 830 | Sq. Ft. of New 7-Inch Concrete Walk and Drive Approach | @ | Sq. Ft. | \$ 5.00 | \$4,150.00 |
| 76 | 304 | 304 | Sq. Ft. of Detectable Warning Surface | @ | Sq. Ft. | \$ 35.00 | \$10,640.00 |
| 77 | 50 | 93 | Lin. Ft. of Concrete Curb - Pedestrian | @ | Lin. Ft. | \$ 55.00 | \$5,115.00 |
| 78 | 11000 | 9,000 | Sq. Yds. of 9-Inch Concrete Pavement, Doweled | @ | Sq. Yd. | \$ 33.76 | \$303,840.00 |
| 79 | | | INTENTIONALLY LEFT BLANK | | | | \$0.00 |
| 80 | 3500 | 4,901 | Sq. Ft. of 5-Inch HMA Transition | @ | Sq. Ft. | \$ 4.60 | \$22,544.60 |
| 81 | 250 | 1,269.0 | Sq. Ft. of 4-Inch HMA Pavement | @ | Sq. Ft. | \$ 5.10 | \$6,471.90 |
| 82 | 75 | 0 | Sq. Yds. of Pavement Patching, Temporary, 2-Inch | @ | Sq. Yd. | \$ 36.00 | \$0.00 |
| 83 | 4750 | 3,710 | Lin. Ft. of Pavement Markings, Yellow, Epoxy, 4-Inch | @ | Lin. Ft. | \$ 1.32 | \$4,897.20 |
| 84 | 2500 | 2,514 | Lin. Ft. of Pavement Markings, White, Epoxy, 4-Inch | @ | Lin. Ft. | \$ 1.32 | \$3,318.48 |
| 85 | 800 | 735 | Lin. Ft. of Pavement Markings, White, Epoxy, 6-Inch | @ | Lin. Ft. | \$ 1.98 | \$1,455.30 |

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|------------------------|------|----------|--|---|-----------|----|-----------|----------------|
| 86 | 175 | 141 | Lin. Ft. of Pavement Markings, White, Epoxy, 18-Inch | @ | Lin. Ft. | \$ | 5.94 | \$837.54 |
| 87 | 100 | 93 | Lin. Ft. of Pavement Markings, Yellow, Epoxy, 12-Inch | @ | Lin. Ft. | \$ | 3.96 | \$368.28 |
| 88 | 900 | 869 | Lin. Ft. of Pavement Markings, Yellow, Epoxy, 4-Inch, (30' Skip, 10' Line) | @ | Lin. Ft. | \$ | 1.32 | \$1,147.08 |
| 89 | 6 | 6 | Pavement Markings, White, Epoxy, Arrows, Type 2 | @ | Each | \$ | 67.28 | \$403.68 |
| 90 | 40 | 0 | Clearing and Grubbing | @ | Inch Dia. | \$ | 68.70 | \$0.00 |
| 91 | 3000 | 2,000.00 | Topsoil and Sod (Includes Stripping) | @ | Sq. Yd. | \$ | 7.13 | \$14,260.00 |
| 92 | 350 | 281 | Lin. Ft. of Silt Fence, Delivered, Installed and Maintained | @ | Lin. Ft. | \$ | 1.60 | \$449.60 |
| 93 | 20 | 0 | Straw Bales Delivered, Installed and Maintained | @ | Each | \$ | 15.00 | \$0.00 |
| 94 | 30 | 22 | Filter Fabric Inlet Protection | @ | Each | \$ | 43.00 | \$946.00 |
| 95 | 25 | 72 | Extra Bags of Cement for High-Early-Strength Concrete | @ | Each | \$ | 10.00 | \$720.00 |
| 96 | 2850 | 2,229 | Street Light Conduit, 2" HDPE | @ | LF | \$ | 5.51 | \$12,281.79 |
| 97 | 8 | 8 | Street Light Pull Boxes 15 x 30 Inch | @ | Each | \$ | 600.21 | \$4,801.68 |
| 98 | 19 | 18 | Concrete Post Top Base | @ | Each | \$ | 857.80 | \$15,440.40 |
| 99 | 2450 | 2,412 | Lin. Ft. of #10 AWG Wire | @ | Lin. Ft. | \$ | 0.63 | \$1,519.56 |
| 100 | 3500 | 2,439 | Lin. Ft. of #6 AWG Wire | @ | Lin. Ft. | \$ | 1.15 | \$2,804.85 |
| 101 | 9500 | 7,077 | Lin. Ft. of #4 AWG Wire | @ | Lin. Ft. | \$ | 1.50 | \$10,615.50 |
| 102 | 1 | 1.0 | Remove and Salvage Existing Street Light Unit | @ | Each | \$ | 219.41 | \$219.41 |
| 103 | 18 | 17 | Remove and re-install Street Light Unit | @ | Each | \$ | 438.83 | \$7,460.11 |
| 104 | 1 | 1 | Install provided Street Lighting Unit | @ | Each | \$ | 363.01 | \$363.01 |
| 105 | 19 | 17 | Remove and dispose of existing Base | @ | Each | \$ | 100.00 | \$1,700.00 |
| 106 | 6 | 6 | Remove and dispose of existing pull box | @ | Each | \$ | 58.80 | \$352.80 |
| 107 | 1 | 1.00 | Temporary Lighting | @ | Lump Sum | \$ | 20,220.57 | \$20,220.57 |
| 108 | 1 | 1 | Street Light Controller, Perkins and Arcadian | @ | Lump Sum | \$ | 6,819.63 | \$6,819.63 |
| 109 | 1 | 0 | Street Light Controller, Colton and Arcadian | @ | Lump Sum | \$ | 6,819.63 | \$0.00 |
| 110 | 2 | 2 | Concrete Base Type L | @ | Lump Sum | \$ | 1,173.76 | \$2,347.52 |
| 111 | 2 | 2 | Meter Pedestal - Main Lug 480 volt. | @ | Lump Sum | \$ | 598.04 | \$1,196.08 |
| 112 | 1 | 0 | Remove and dispose of existing street light controller, Perkins and Arcadian | @ | Lump Sum | \$ | 1,192.31 | \$0.00 |
| 113 | 1 | 0 | Remove and dispose of existing street light controller, Colton and Arcadian | @ | Lump Sum | \$ | 1,192.31 | \$0.00 |
| 114 | 2400 | 1,937 | Lin. Ft. of Fiber Communication Duct, 3" HDPE | @ | Lin. Ft. | \$ | 6.94 | \$13,442.78 |
| 115 | 4 | 4 | Fiber Communication Pull Boxes 24 x 36 Inch | @ | Each | \$ | 1,301.86 | \$5,207.44 |
| 116 | 8 | 8 | Traffic Signal Pull Boxes 24 x 42 Inch | @ | Each | \$ | 810.95 | \$6,487.60 |
| 117 | 200 | 686 | Lin Ft. of 3" DIA Schedule 40 Traffic Signal Conduit with (Tracer) | @ | Lin. Ft. | \$ | 6.05 | \$4,150.30 |
| Extra No. 1 | 1 | 0.6 | Traffic control - Detour | @ | Lump Sum | \$ | 7,850.00 | \$4,710.00 |
| Subtotal | | | | | | | | \$1,501,841.54 |
| Less Retainage | | | | | | | | \$47,689.23 |
| Total Amount Due | | | | | | | | \$1,454,152.31 |
| Less Previous Payments | | | | | | | | \$1,306,416.06 |
| Current Payment Due | | | | | | | | \$147,736.25 |

This estimate has been checked by the Engineering Department and we recommend that the above amount of \$147,736.25 be allowed.

Respectfully Submitted,


 Fred V. Abadi, Ph.D., P.E.
 Director of Public Works