## October 19, 2017

## TO THE BOARD OF PUBLIC WORKS CITY OF WAUKESHA, WISCONSIN

38

39

13

10

0

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Sanitary Manhole Chimney Seal

Chimney Replacement

@

@

Each \$

Each \$

500.00

800.00

\$0.00

\$0.00

Periodical estimate for Partial Payment No. 7 to Zignego Company, Inc., W226 N2940 Duplainville Rd., Waukesha, WI 53186 for Arcadian Avenue Utility And Street Improvements - Concrete Pavement.

4/14/2017 \$1,866,956.18 (Amended \$1,907,569.18) Contract No. 4001 Completed Description Item Bid Cost Per Unit Amount No Quantity Quantity 840 835 Lin. Ft. of 12-Inch Water Main and Fittings Lin. Ft. \$ 85.00 \$70,975.00 1 Lin. Ft. of 12-Inch D.I. Water Main and \$12,478.00 2 40 34 (a) Lin. Ft. \$ 367.00 \$62,550.00 3 570 556 Lin. Ft. of 8-Inch Water Main and Fittings @ Lin. Ft. \$ 112.50 10 15 Lin. Ft. of 6-Inch D.I. Water Main and Fittings @ Lin. Ft. \$ 195.00 \$2,925.00 4 6 6 Furnish and Install 12" Gate Valve & Box Each \$ 2,115.00 \$12,690.00 5 (a) \$6,215.00 6 5 5 Furnish and Install 8" Gate Valve & Box (a) Each \$ 1,243.00 7 2 2 Furnish and Install Hydrant Assembly (a) Each \$ 4,630.00 \$9,260.00 Furnish and Install 6" D.I. Lead or 6" - 90° \$4,657.00 8 2 1 Swivel x Swivel and Hydrant (a) Each \$ 4,657.00 4 4 Connect Service Lateral (SL1) @ Each \$ 1,602.00 \$6,408.00 9 11 \$28,336.00 10 11 Connect Service Lateral (SL2) (a) Each \$ 2,576.00 3 Connect Service Lateral (WWU Tap) (SL3) Each \$ \$9,723.00 11 3 @ 3,241.00 3 12 3 Connect Service Lateral (WWU Tap) (SL4) @ Each \$ 3,631.00 \$10,893.00 3 3 Connect Service Lateral (SL5) Each \$ 1,662.00 \$4,986.00 13 (a) 14 2 2 "Connect Service Lateral (WWU Tap) (SL6) @ Each \$ 2,278.00 \$4,556.00 Each \$ 5,330.00 \$5,330.00 15 1 Connect Service Lateral (SL7) @ 1 Furnish and Install Curb Boxes and Rods 0 16 2 (a) Each \$ 800.00 \$0.00 where needed 2 0 \$0.00 17 Furnish and Install Curb Stops where needed @ Each \$ 580.00 \$3,000.00 18 6 6 Each \$ 500.00 Abandon Existing Hydrants @ 19 1 1 Abandon Valve Boxes & Manholes Lump Sum \$ 1,000.00 \$1,000.00 @ 20 132 136 Lin Ft of 18-Inch Sanitary Sewer (PVC) @ Lin. Ft. \$ 193.50 \$26,316.00 Lin Ft of 8-Inch Sanitary Sewer (PVC) Lin. Ft. \$ \$146,025.00 21 1659 1,475 99.00 @ Lin. Ft. \$ 22 585 491.0 6-Inch Lateral Replacement (Open Cut) (a) 110,00 \$54,010.00 23 35 33 6-Inch Lateral Replacement (Pipe Bursting) Lin. Ft. \$ 53.00 \$1,749.00 (a) Excavation and Lateral Connection at Right-of-\$1,173.00 Each \$ 1,173.00 24 Way (Pipe Bursting) (a) 1 1 25 100 96.00 Vert. Ft. of Sanitary Manhole (a) Vert. Ft. \$ 278.00 \$26,688.00 26 1400 1,400 Lin. Ft. of 8-Inch Sanitary Sewer Lining (a) Lin. Ft. \$ 21.00 \$29,400.00 (CIPP) 27 2 0 Sanitary Sewer Spot Repair Each \$ 4,000.00 \$0.00 . @ 28 36 36 Sanitary Lateral Reinstatement (a) Each \$ 150.00 \$5,400.00 \$0.00 29 25 0 Sanitary Lateral Connection Test and Seal Fach \$ 248.00 (a) 0 \$0.00 30 11 Sanitary Lateral Televising - Preconstruction @ Each \$ 225.00 31 0 Sanitary Lateral Cleanout Each \$ 1,325.00 \$0.00 11 (a) Sanitary Lateral Cleaning and Prelining Video 32 11 0 (a) Each \$ 225.00 \$0.00 Inspection 33 2 0 Sanitary Lateral Spot Repair Each \$ 3,300.00 \$0.00 (a) Sanitary Lateral Lining (CIPP) within 25 Ft. of @ 34 11 0 Each \$ 3,000.00 \$0.00 Sewer Main Lin. Ft. of Sanitary Lateral Lining (CIPP) 35 110 0 Lin. Ft. \$ 55.00 \$0.00 Additional Length over 25 Ft. from Sewer Main Sanitary/Storm Manhole Rehabilitation 36 13 0 Each \$ 800,00 \$0.00 (a) (Approx. 95 Vert. Ft.) 37 0 Sanitary Manhole Bench / Invert / Trough Each \$ 750.00 \$0.00 1 (a) Work Minor

| 40       | 20            | 20              | Lin. Ft. of 21-Inch Storm Sewer (PVC)  | @        | Lin, Ft.  |    | 84.00     | \$1,680.00    |
|----------|---------------|-----------------|--|----------|-----------|----|-----------|---------------|
| 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  | @        | Each      | \$ | 750,00    | \$0.00        |
| 56       | 2216          | 0               | Section Lin. Ft. of Sanitary Sewer Televising -  | @        | Lin. Ft.  | \$ | 1.25      | \$0.00        |
|          |               |                 | Prepaying  | _        | 7 to 124  | •  | 1.05      | <b>#</b> 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          | 4,800           | Tons of 11/4-Inch Dense Aggregate  | @        | Ton       |    | 10.00     | \$48,000.00   |
| 64       | 850           | 0               | Tons of 1¼-Inch Crushed Stone Backfill (Includes Undercut)   | @        | Ton       |    | 10.00     | \$0.00        |
| 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             | 0.75            | Traffic Control  | @        | Lump Sum  | \$ | 53,400.00 | \$40,050.00   |
| 68       | 2650          | 2,300           | Y' De COLORIO DO LOS PORTOS DO LA COLORIO DE | @        | Lin. Ft.  | \$ | 1.00      | \$2,300.00    |
| 60       | 14450         | 12.000          | Lin, Ft. of Shaping and Grading Roadway Base   | _        | Sq. Ft.   | æ  | 0.75      | \$9,750.00    |
| 69<br>70 | 14450<br>4800 | 13,000<br>3,800 | Sq. Ft. of Walk and Approach Removal<br>Lin. Ft. of 30-Inch Combination Concrete Curb  | @        | Lin. Ft.  |    | 12.18     | \$46,284.00   |
|          |               | ,               | and Gutter Lin, Ft. of Concrete Curb and Gutter Removal  |          |           |    | 32.00     | \$0.00        |
| 71       | 75            | 0               | and Replacement  | @        | Lin, Ft,  |    |           |               |
| 72       | 900           | 2,747.5         | Sq. Ft. of Concrete Pavement Removal and<br>Replacement  |          | Sq. Ft.   |    | 7.00      | \$19,232.50   |
| 73       | 9250          | 5,300           | Sq. Ft. of New 4-Inch Concrete Walk and<br>Curb Ramps  | @        | Sq. Ft.   |    | 4.38      | \$23,214.00   |
| 74       | 4600          | 3,900           | Sq. Ft. of New 6-Inch Concrete Walk and<br>Drive Approach  | @        | Sq. Ft.   |    | 4.77      | \$18,603.00   |
| 75       | 850           | 830             | Sq. Ft. of New 7-Inch Concrete Walk and<br>Drive Approach  | @        | Sq. Ft.   |    | 5.00      | \$4,150.00    |
| 76       | 304           | 120             | Sq. Ft. of Detectable Warning Surface  | <b>a</b> | Sq. Ft.   |    | 35.00     | \$4,200.00    |
| 77       | 50            | 0               | Lin. Ft. of Concrete Curb - Pedestrian   | @        | Lin. Ft.  |    | 55.00     | \$0.00        |
| 78       | 11000         | 9,000           | Sq. Yds. of 9-Inch Concrete Pavement,<br>Doweled   | @        | Sq. Yd.   | \$ | 33,76     | \$303,840.00  |
| 79       |               |                 | INTENTIONALLY LEFT BLANK   |          |           |    |           | \$0.00        |
| 80       | 3500          | 0               | Sq. Ft. of 5-Inch HMA Transition Pavement  | @        | Sq. Ft.   |    | 4.60      | \$0.00        |
| 81       | 250           | 0               | Sq. Ft. of 4-Inch HMA Pavement   | @        | Sq. Ft.   |    | 5.10      | \$0.00        |
| 82       | 75            | 0               | Sq. Yds. of Pavement Patching, Temporary, 2-Inch   | @        | Sq. Yd.   | \$ | 36.00     | \$0.00        |
| 83       | 4750          | 0               | Lin. Ft. of Pavement Markings, Yellow,<br>Epoxy, 4-Inch  | @        | Lin. Ft.  | \$ | 1.32      | \$0.00        |
| 84       | 2500          | 0               | Lin. Ft. of Pavement Markings, White, Epoxy, 4-Inch  | @        | Lin. Ft.  | \$ | 1.32      | \$0.00        |
|          |               |                 |  |          |           |    |           |               |

| 85                                       | 800  | 0      | Lin. Ft. of Pavement Markings, White, Epoxy,                                 | @        | Lin. Ft.  | \$ | 1.98      | \$0,00         |
|--|------|--------|--|----------|-----------|----|-----------|----------------|
| 86                                       | 175  | 0      | 6-Inch Lin. Ft. of Pavement Markings, White, Epoxy, 18-Inch                  | @        | Lin. Ft.  | \$ | 5.94      | \$0.00         |
| 87                                       | 100  | 0      | Lin. Ft. of Pavement Markings, Yellow,<br>Epoxy, 12-Inch                     | @        | Lin. Ft.  | \$ | 3.96      | \$0.00         |
| 88                                       | 900  | 0      | Lin. Ft. of Pavement Markings, Yellow,                                       | @        | Lin. Ft.  | \$ | 1.32      | \$0.00         |
| 89                                       | 6    | 0      | Epoxy, 4-Inch, (30' Skip, 10' Line) Pavement Markings, White, Epoxy, Arrows, | @        | Each      | \$ | 67.28     | \$0.00         |
| 90                                       | 40   | 0      | Type 2 Clearing and Grubbing   | (a)      | Inch Dia. | \$ | 68.70     | \$0.00         |
| 91                                       | 3000 | 802.68 | Topsoil and Sod (Includes Stripping)   | (a)      | Sg. Yd.   |    | 7.13      | \$5,723.11     |
| 92                                       | 350  | 281    | Lin. Ft. of Silt Fence, Delivered, Installed and                             | (a)      | Lin. Ft.  |    | 1.60      | \$449.60       |
| 93                                       | 20   | 0      | Maintained<br>Straw Bales Delivered, Installed and                           | @        | Each      |    | 15.00     | \$0.00         |
| 94                                       | 30   | 21     | Maintained Filter Fabric Inlet Protection                                    | (a)      | Each      | \$ | 43.00     | \$903.00       |
| 95                                       | 25   | 20     | Extra Bags of Cement for High-Early-Strength                                 | @        | Each      |    | 10.00     | \$200.00       |
| 75                                       | EJ.  | 2,0    | Concrete   | 9        |           | *  | 20.77     | *              |
| 96                                       | 2850 | 2,000  | Street Light Conduit, 2" HDPE  | @        | LF        | \$ | 5.51      | \$11,020.00    |
| 97                                       | 8    | 7      | Street Light Pull Boxes 15 x 30 Iuch   | @        | Each      | \$ | 600.21    | \$4,201.47     |
| 98                                       | 19   | 15     | Concrete Post Top Base   | <b>@</b> | Each      | \$ | 857.80    | \$12,867.00    |
| 99                                       | 2450 | 0      | Lin, Ft. of #10 AWG Wire   | @        | Lin. Ft.  | \$ | 0.63      | \$0.00         |
| 100                                      | 3500 | 0      | Lin. Ft. of #6 AWG Wire  | @        | Lin. Ft.  | \$ | 1.15      | \$0.00         |
| 101                                      | 9500 | 0      | Lin. Ft. of #4 AWG Wire  | @        | Lin, Ft.  |    | 1.50      | \$0.00         |
| 102                                      | 1    | 0.5    | Remove and Salvage Existing Street Light Unit                                | @        | Each      | \$ | 219.41    | \$109.71       |
| 103                                      | 18   | 9      | Remove and re-install Street Light Unit                                      | @        | Each      | \$ | 438.83    | \$3,949.47     |
| 104                                      | 1    | 0      | Install provided Street Lighting Unit  | @        | Each      | \$ | 363.01    | \$0,00         |
| 105                                      | 19   | 17     | Remove and dispose of existing Base  | <b>@</b> | Each      | \$ | 100.00    | \$1,700.00     |
| 106                                      | 6    | 6      | Remove and dispose of existing pull box                                      | @        | Each      | \$ | 58.80     | \$352.80       |
| 107                                      | 1    | 0.80   | Temporary Lighting   | @        | Lump Sum  | \$ | 20,220.57 | \$16,176.46    |
| 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                                 | (a)      | 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 | 1,500  | Lin. Ft. of Fiber Communication Duct, 3" HDPE                                | @        | Lin. Ft.  | \$ | 6,94      | \$10,410.00    |
| 115                                      | 4    | 0      | Fiber Communication Pull Boxes 24 x 36 Inch                                  | @        | Each      | \$ | 1,301.86  | \$0.00         |
| 116                                      | 8    | 8      | Traffic Signal Pull Boxes 24 x 42 Inch                                       | @        | Each      | \$ | 810.95    | \$6,487.60     |
| 117                                      | 200  | 400    | Lin Ft. of 3" DIA Schedule 40 Traffic<br>Signal Conduit with (Tracer)        | @        | Lin. Ft.  | \$ | 6.05      | \$2,420.00     |
| Extra                                    | 1    | 0.4    | Traffic control - Detour   | @        | Lump Sum  | \$ | 7,850.00  | \$3,140.00     |
| No. 1                                    |      |        | Subtotal   |          | -         |    | -         | \$1,354,105.29 |
|  |      |        | Less Retainage   |          |           |    |           | \$47,689.23    |
| Total Amount Due  Less Previous Payments |      |        |  |          |           |    |           | \$1,306,416.06 |
|  |      |        |  |          |           |    |           | \$1,162,056.22 |
|  |      |        | Current Payment Due  | ;        |           |    |           | \$144,359.84   |
|  |      |        |  |          |           |    |           |                |

This estimate has been checked by the Engineering Department and we recommend that the above amount of \$144,359.84 be allowed.

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