February 7, 2019

TO THE BOARD OF PUBLIC WORKS CITY OF WAUKESHA, WISCONSIN

Periodical estimate for Final Pavement No. 6 (FINAL) to Stark Pavement Corp., 12845 W. Burleigh Road, Brookfield, WI 53005 for Resurfacing of Asphalt Streets - 2017.

| Contract No. 4003 | | 4/28/2017 | | | \$ 1 | ,684,294.80 | |
|-------------------|----------|--|----------|----------------------|---------|-------------|-------------------|
| No | Quantity | Description | | Cost | P | er Unit | Amount |
| 1 | 1,219.66 | Lin. Ft. of 12-Inch Storm Sewer (PVC) | @ | Lin. Ft. | \$ | 49.00 | \$59,763.34 |
| | 342.71 | Lin. Ft. 4" PVC Sump Pump Collectors | (a) | Lin. Ft. | \$ | 25.00 | \$8,567.75 |
| 2 3 | 14.00 | 12" x 4" Wye | @ | Each | \$ | 220.00 | \$3,080.00 |
| 4 | 14.00 | 4" x 4" Tee | @ | Each | \$ | 75.00 | \$1,050.00 |
| 5 | 42.00 | 4" Clean Out Pipe | @ | Lin. Ft. | \$ | 20.00 | \$840.00 |
| 6 | 28.00 | 4" Caps | @ | Each | \$ | 10.00 | \$280.00 |
| 7 | 7.00 | 30-Inch Dia. Storm Sewer Structure | @ | Each | \$ | 1,500.00 | \$10,500.00 |
| | 1.00 | Saw Core Connection-Patricia Ln Storm Sewer | @ | Each | \$ | 700.00 | \$700.00 |
| 8 9 | 1,214.50 | Storm Sewer Televising - Prepaving - Patricia Ln | | Lin. Ft. | \$ | 1.60 | \$1,943.20 |
| 10 | 1,256.00 | Sanitary Sewer Televising - Prepaving - Patricia | @ | Lin. Ft. | \$ | 1.60 | \$2,009.60 |
| 10 | , | Ln | (A) | Each | ¢ | 215.00 | \$4,300.00 |
| 11 | 20.00 | Sanitary Lateral Televising - Prepaving | @ | Cu. Yd. | | 55.00 | \$0.00 |
| 12 | 0.00 | Slurry Backfill | @ | Each | | 400.00 | \$5,200.00 |
| 13 | 13.00 | Storm Sewer Inlet Repair | @ | Vert, Ft. | | 220.00 | \$880.00 |
| 14 | 4.00 | Storm Sewer Inlet Reconstruction | @ | Each | | 650.00 | \$2,600.00 |
| 15 | 4.00 | Storm Sewer Manhole Chimney Replacement | @ | Each | | 1,150.00 | \$40,250.00 |
| 16 | 35.00 | Sanitary Manhole Chimney Replacement | @ | | | 480.00 | \$16,800.00 |
| 17 | 35.00 | Sanitary Manhole Chimney Seal | @ | Each | ъ \$ | 12,000.00 | \$12,000.00 |
| 18 | 1.00 | 2401-2403 Madison Street 6" Lateral Extension | @ I @ | Lump Sum Lin. Ft. | \$ | 21.75 | \$27,174.45 |
| 19 | 1,249.40 | Lin. Ft. of 8-Inch Sanitary Sewer Lining (CIPP) | @ | Each | | 8,000.00 | \$0.00 |
| 20 | 0.00 | Sanitary Sewer Spot Repair | @ | Each | | 50.00 | \$1,000.00 |
| 21 | 20.00 | Sanitary Lateral Reinstatement | @ | Each | • | 1,390.00 | \$27,800.00 |
| 22 | 20.00 | Sanitary Lateral Cleanout | - | | | | # # 050 00 |
| 23 | 20.00 | Sanitary Lateral Cleaning and Prelining Video | @ | Each | \$ | 262.50 | \$5,250.00 |
| 0.4 | 0.00 | Inspection Sanitary Lateral Spot Repair | @ | Each | \$ | 8,000.00 | \$0.00 |
| 24 25 | 20.00 | Sanitary Lateral Lining (CIPP) within 25 Ft. of | @ | Each | \$ | 3,150.00 | \$63,000.00 |
| 23 | 20.00 | Sewer Main | | * * E | dr. | 52.50 | \$4,559.10 |
| 26 | 86.84 | Lin. Ft. of Sanitary Lateral Lining (CIPP) | @ | Lin. Ft. | Ф | 32.30 | φ4,339.10 |
| 07 | 2.00 | Additional Length over 25 Ft. from Sewer Main Replace Sanitary Manhole Cover | @ | Each | \$ | 100.00 | \$300.00 |
| 27 | 3.00 | Sanitary Manhole Rehabilitation (Approx. 60 | @ | Each | \$ | 1,450.00 | \$7,250.00 |
| 28 | 5.00 | Vert. Ft.) | | | | | |

| 29 | 12.00 | Samilary Maimole Bellett / Miles | @ | Each | \$ | 600.00 | \$7,200.00 |
|----|-----------|---|-----|----------|-------|----------|----------------------|
| 20 | (10.00 | Minor Abandon 15" Sanitary Sewer | @ | Lin. Ft. | \$ | 15.00 | \$9,180.00 |
| 30 | 612.00 | Tiodiadon 15 Daniery | @ | Each | \$ | 1,800.00 | \$7,200.00 |
| 31 | 4.00 | Abdition Burney | @ | Each | \$ | 150.00 | \$0.00 |
| 32 | 0.00 | Controlle Comm. | @ | Lin. Ft. | \$ | 1.80 | \$1,612.80 |
| 33 | 896.00 | Duri cassing at a second | @ | Lin. Ft. | | 30.80 | \$91,991.90 |
| 34 | 2,986.75 | Removal and Replacement | @ | Lin. Ft. | | 22.25 | \$27,741.30 |
| 35 | 1,246.80 | Lin. Ft. of 30-inch Concrete Curb and Gutter | 69 | | | | |
| 36 | 13,612.58 | Concrete Walk, Driveway and Drive Approach Removal | @ | Sq. Ft. | | 1.40 | \$19,057.61 |
| 37 | 10,995.29 | New 4-Inch Concrete Walk and Curb Ramps | @ | Sq. Ft. | | 5.45 | \$59,924.33 |
| 38 | 2,613.70 | New 6-Inch Concrete Walk and Curb Ramps | @ | Sq. Ft. | | 6.00 | \$15,682.20 |
| 39 | 00.0 | Concrete Pedestrian - Curb | @ | Lin. Ft. | | 20.00 | \$0.00 |
| 40 | 456.00 | Detectable Warning Surface | @ | Sq. Ft. | | 32.00 | \$14,592.00 |
| 41 | 44,867.54 | Sq. Yds. of Pavement Millings - Asphalt Streets | @ | Sq. Yd. | \$ | 1.60 | \$71,788.06 |
| 42 | 7,455.05 | Sq. Yds. of Pavement Milling - Full Depth | @ | Sq. Yd. | \$ | 2.48 | \$18,488.52 |
| 43 | 981.90 | "Petrotac" (or equivalent) | @ | Sq. Yd. | \$ | 4.35 | \$4,271.27 |
| 44 | 2,759.64 | Pavement Removal | @ | Sq. Yd. | \$ | 2.65 | \$7,313.05 |
| 45 | 44,867.54 | Crackfilling (per Sq Yd of Pavement Millings) | @ | Sq. Yd. | \$ | 0.50 | \$22,433.77 |
| | 44,867.54 | Foundation Preparation (per Sq Yd of Pavement | @ | Sq. Yd. | \$ | 0.12 | \$5,384.10 |
| 46 | 44,007.54 | Millings) | | | | 0.00 | \$10,209.77 |
| 47 | 1,031.29 | 11/4-Inch Dense Aggregate | @ | Tons | | 9.90 | |
| 48 | 482.41 | 1¼-Inch Crushed Stone Backfill (Includes | @ | Tons | \$ | 22.30 | \$10,757.74 |
| 49 | 2,361.64 | Undercut) 3-Inch Crushed Stone Backfill (Includes | @ | Tons | \$ | 22.30 | \$52,664.57 |
| 50 | 2,093.00 | Undercut) Geotextile Fabric, SAS | @ | Sq. Yd. | \$ | 2.00 | \$4,186.00 |
| 51 | 2,093.00 | Shaping and Grading of Roadway Base | @ | Lin. Ft. | \$ | 3.79 | \$8,667.73 |
| | 288.00 | Shaping and Grading of New Sidewalk Base | @ | Lin. Ft. | \$ | 3.00 | \$864.00 |
| 52 | 200.00 | (Patricia Ln) | | _ | | 50.60 | \$95,448.21 |
| 53 | 1,601.48 | HMA Pavement, Type 3 MT 58-28 H | @ | Ton | | 59.60 | \$406,468.88 |
| 54 | 6,791.46 | HMA Pavement, Type 5 MT 58-28 H | @ | Tor | | 59.85 | \$45,091.34 |
| 55 | 625.40 | HMA Pavement for Patching, Type 3 MT 58-28 H | @ | Tor | | 72.10 | |
| 56 | 526.75 | Sq. Ft. of 4-Inch HMA Driveway Pavement | @ | Sq. Ft | | | \$2,370.38 |
| 57 | 0.00 | Extra Bags of Cement for High-Early-Strength Concrete | @ | Eacl | | | \$0.00 \$4,500.00 |
| 58 | 1.00 | Traffic Control - Madison St. | _ | Lump Sun | | | |
| 59 | 1.00 | Traffic Control -Patricia Lane | _ | Lump Sun | | | \$8,500.00 |
| 60 | 1.00 | Traffic Control - Comanche Lane and Crestwoo Dr | d @ | | | | \$6,500.00 |
| 61 | 25.00 | Water Valve Adjustment | @ | | | | \$6,250.00 |
| 62 | 0.00 | Adjust Curb Stop Box | @ | | | | \$0.00 |
| 63 | 2,169.53 | | @ | Sq. Yo | 1. \$ | 8.00 | \$17,356.24 |
| | - | | | | | | |

| 64 | 0.00 | Silt Fence, Delivered, Installed and Maintained | @ | Lin. Ft. | \$ | 4.00 | \$0.00 |
|----|-----------|--|---|-----------------------|----|--------|----------------|
| 65 | 0.00 | Straw Bales Delivered, Installed and Maintained | @ | Each | \$ | 20.00 | \$0.00 |
| 66 | 44.00 | Filter Fabric Inlet Protection | @ | Each | \$ | 50.00 | \$2,200.00 |
| 67 | 10,426.00 | Pavement Markings, Epoxy, Yellow, 4-Inch | @ | Lin. Ft. | \$ | 0.28 | \$2,919.28 |
| 68 | 18,376.00 | Pavement Markings, Epoxy, White, 4-Inch | @ | Lin. Ft. | \$ | 0.28 | \$5,145.28 |
| 69 | 809.00 | Pavement Markings, Epoxy, White, 6-Inch | @ | Lin. Ft. | \$ | 6.00 | \$4,854.00 |
| 70 | 198.00 | Pavement Markings, Epoxy, White, 18-Inch | @ | Lin. Ft. | \$ | 6.50 | \$1,287.00 |
| 71 | 16.00 | Pavement Markings, Epoxy, White, Bike Lane | @ | Each | \$ | 140.00 | \$2,240.00 |
| A | 3.00 | Symbol Remove and Replace Mailboxes and Posts | @ | Each | \$ | 750.00 | \$2,250.00 |
| | | Subtota | 1 | | | | \$1,391,688.78 |
| | | Less Retainag | e | | | | \$0.00 |
| | | Less Sprinkler Repair Retainag | | | | | \$0.00 |
| | | Less Liquidated damages Less Water Utility Repair Retainage | | 2 days @ \$500/day | | | \$1,000.00 |
| | | | | | | | \$0.00 |
| | | Subtotal | | | | | \$1,390,688.78 |
| | | Less amount previously paid | | | | | \$1,342,581.41 |
| | | Total Amount Du | e | | | | \$48,107.37 |

This estimate has been checked by the Engineering Department and we recommend that the above amount of \$48,107.37 be allowed.

Respectfully Submitted,

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

FredAbal

Robin/Excel/Partials/Stark