

AFFIDAVIT OF ESTIMATE OF COST

STATE OF KANSAS)
) ss.
COUNTY OF JOHNSON)

Elizabeth Wright, P.E., of lawful age, being first duly sworn upon her oath,
states:

1. I am the City Engineer for the City of Olathe, Kansas.
2. The attached detailed estimate of the cost for **Santa Fe Street and Ridgeview Road Geometric Improvements Project, PN 3-C-083-15; Santa Fe Street Mill and Overlay (Kansas City Road to I-35), PN 3-P-001-19** is attached and I am providing the estimate of the cost under oath (Exhibit A).

**Elizabeth
Wright**

Digitally signed by
Elizabeth Wright
Date: 2020.04.27 13:37:37
-05'00'

Elizabeth Wright, Deputy Director

Subscribed in my presence and sworn under oath before me this 27th
day of April, 2020.

Linda M Wollschlager
Notary Public

My Appointment Expires
January 3, 2023



**Santa Fe and Ridgeview
Engineer's Estimate (April 2020)**



| PROJECT 3-C-083-15 (CARS 320001309) | | | | | |
|-------------------------------------|---|------|--------------|---------------|-----------------------|
| NO. | ITEM | UNIT | UNIT COST | QUANTITY | TOTAL |
| 1 | MOBILIZATION | LS | \$145,000.00 | 1 | \$145,000.00 |
| 2 | CONSTRUCTION STAKING | LS | \$55,000.00 | 1 | \$55,000.00 |
| 3 | INSTALL JOHNSON COUNTY CARS SIGN | EACH | \$600.00 | 4 | \$2,400.00 |
| 4 | REMOVAL OF IMPROVEMENTS | LS | \$150,000.00 | 1 | \$150,000.00 |
| 5 | COMMON EXCAVATION | CY | \$25.00 | 10,144 | \$253,600.00 |
| 6 | EMBANKMENT | CY | \$15.00 | 201 | \$3,015.00 |
| 7 | 10" SUPERPAVE ASPHALT BASE | TONS | \$80.00 | 4,201 | \$336,080.00 |
| 8 | 10" CONCRETE BASE WIDENING | SF | \$10.00 | 8,274 | \$82,740.00 |
| 9 | 6" AB-3 OVERLAND PARK MODIFIED AGGREGATE BASE | SY | \$15.00 | 9,332 | \$139,980.00 |
| 10 | 2" ASPHALT SURFACE WITH 8" ASPHALT BASE | SY | \$60.00 | 1,843 | \$110,580.00 |
| 11 | MEDIAN NOSE | EACH | \$1,500.00 | 18 | \$27,000.00 |
| 12 | STANDARD CURB INLET | EACH | \$6,000.00 | 42 | \$252,000.00 |
| 13 | MODIFIED TYPE 10 CURB INLET | EACH | \$6,000.00 | 1 | \$6,000.00 |
| 14 | STANDARD JUNCTION BOX | EACH | \$6,000.00 | 7 | \$42,000.00 |
| 15 | ADJUST INLET TOP ELEVATION | EACH | \$800.00 | 2 | \$1,600.00 |
| 16 | UNDERDRAIN | LF | \$50.00 | 982.1 | \$49,105.00 |
| 17 | 18" RCP | LF | \$130.00 | 1,000 | \$130,000.00 |
| 18 | 24" RCP | LF | \$150.00 | 1,193 | \$178,950.00 |
| 19 | 30" RCP | LF | \$170.00 | 350 | \$59,500.00 |
| 20 | 36" RCP | LF | \$190.00 | 895 | \$170,050.00 |
| 21 | 48" RCP | LF | \$210.00 | 814 | \$170,940.00 |
| 22 | 7' X 3' RCB | LF | \$650.00 | 35 | \$22,750.00 |
| 23 | LIGHTING | LS | \$265,000.00 | 1 | \$265,000.00 |
| 24 | TRAFFIC SIGNAL INSTALLATION (BLACK POLES) | LS | \$220,000.00 | 1 | \$220,000.00 |
| 25 | TRAFFIC CONTROL | LS | \$230,000.00 | 1 | \$230,000.00 |
| 26 | PERMANENT SIGNING | EACH | \$300.00 | 55 | \$16,500.00 |
| 27 | EROSION CONTROL | LS | \$10,000.00 | 1 | \$10,000.00 |
| | | | | Total: | \$3,129,790.00 |

| WATERLINE IMPROVEMENTS | | | | | |
|------------------------|----------------------------|------|-------------|--|-----------------------|
| NO. | ITEM | UNIT | UNIT COST | QUANTITY | TOTAL |
| 28 | 12" WATERLINE | LF | \$195.00 | 2,541.0 | \$495,495.00 |
| 29 | 8" WATERLINE | LF | \$165.00 | 135.0 | \$22,275.00 |
| 30 | 6" WATERLINE | LF | \$165.00 | 50.0 | \$8,250.00 |
| 31 | 12" 90° BEND | EACH | \$970.00 | 8 | \$7,760.00 |
| 32 | 12" 45° BEND | EACH | \$1,055.00 | 14 | \$14,770.00 |
| 33 | 12" 11.25° BEND | EACH | \$545.00 | 5 | \$2,725.00 |
| 34 | 8" 45° BEND | EACH | \$790.00 | 2 | \$1,580.00 |
| 35 | 6" 45° BEND | EACH | \$485.00 | 4 | \$1,940.00 |
| 36 | 12"x 6" REDUCER | EACH | \$990.00 | 2 | \$1,980.00 |
| 37 | 12"x12" TEE | EACH | \$960.00 | 4 | \$3,840.00 |
| 38 | 12"x8" TEE | EACH | \$950.00 | 1 | \$950.00 |
| 39 | 12"x6" TEE | EACH | \$940.00 | 14 | \$13,160.00 |
| 40 | 12"x4" TEE | EACH | \$790.00 | 1 | \$790.00 |
| 41 | 6" SOLID SLEEVE | EACH | \$875.00 | 4 | \$3,500.00 |
| 42 | 12" SOLID SLEEVE | EACH | \$2,520.00 | 8 | \$20,160.00 |
| 43 | 12" GATE VALVE | EACH | \$1,580.00 | 10 | \$15,800.00 |
| 44 | 8" GATE VALVE | EACH | \$1,320.00 | 1 | \$1,320.00 |
| 45 | 6" GATE VALVE | EACH | \$1,025.00 | 2 | \$2,050.00 |
| 46 | WATER SERVICE RECONNECT | EACH | \$1,800.00 | 10 | \$18,000.00 |
| 47 | STRADDLE BLOCK | EACH | \$1,460.00 | 10 | \$14,600.00 |
| 48 | FIRE HYDRANT ASSEMBLY | EACH | \$5,015.00 | 12 | \$60,180.00 |
| 49 | METER VAULT | EACH | \$12,000.00 | 1 | \$12,000.00 |
| 50 | FIRE HYDRANT REMOVAL | EACH | \$650.00 | 9 | \$5,850.00 |
| 51 | FULL DEPTH STREET PATCH | SY | \$130.00 | 2,230 | \$289,900.00 |
| SEWER | | | | | |
| 52 | 8" PVC (SDR26) | LF | \$300.00 | 4459 | \$1,337,700.00 |
| 53 | 10" PVC (SDR26) | LF | \$315.00 | 218 | \$68,670.00 |
| 54 | 12" PVC (SDR26) | LF | \$330.00 | 40 | \$13,200.00 |
| 55 | 4' DIA STANDARD MANHOLE | EACH | \$8,500.00 | 19 | \$161,500.00 |
| 56 | DROP MANHOLE | EACH | \$10,500.00 | 8 | \$84,000.00 |
| 57 | SEWER SERVICE RECONNECTION | EACH | \$1,500.00 | 36 | \$54,000.00 |
| 58 | CONCRETE ENCASEMENT | LF | \$1,900.00 | 10 | \$19,000.00 |
| 59 | MANHOLE ABANDONMENT | EACH | \$1,900.00 | 16 | \$30,400.00 |
| 60 | MONOFORM LINING SYSTEM | VF | \$400.00 | 60 | \$24,000.00 |
| 61 | MANHOLE REMOVAL | EACH | \$2,500.00 | 5 | \$12,500.00 |
| 62 | FULL DEPTH STREET PATCH | SY | \$110.00 | 4,182 | \$460,020.00 |
| | | | | 3-C-083-15 Waterline and Sanitary Sewer Work: | \$3,283,865.00 |
| | | | | 3-C-083-15 Roadway Total: | \$3,129,790.00 |
| | | | | 3-P-001-19 Total: | \$2,276,055.00 |
| | | | | Owner's Contingency Allowance | \$150,000.00 |
| | | | | Project Total: | \$8,839,710.00 |

**Santa Fe and Ridgeview Mill & Overlay
Engineer's Estimate (April 2020)**

| PROJECT 3-P-001-19 | | | | | |
|--|---|------|-------------|----------|-----------------------|
| NO. | ITEM | UNIT | UNIT COST | QUANTITY | TOTAL |
| ROADWAY ITEMS | | | | | |
| 64 | INSTALL CITY OF OLATHE STREET PRESERVATION SALES TAX SIGN | EACH | \$200.00 | 2 | \$400.00 |
| 65 | 2" MILL | SY | \$2.00 | 26,065 | \$52,130.00 |
| 66 | VARIABLE DEPTH MILL | SY | \$2.00 | 20,871 | \$41,742.00 |
| 67 | 2" ASPHALTIC SUPERPAVE SURFACE | TONS | \$70.00 | 3,777 | \$264,390.00 |
| 68 | VARIABLE DEPTH SUPERPAVE ASPHALT SURFACE | TONS | \$70.00 | 4,770 | \$333,900.00 |
| 69 | ASPHALT CRACK REPAIR | SY | \$50.00 | 300 | \$15,000.00 |
| 70 | FULL DEPTH STREET PATCH | SY | \$70.00 | 796 | \$55,720.00 |
| 71 | CLAY FIRED MEDIAN | SY | \$110.00 | 1,014 | \$111,540.00 |
| 72 | SUBGRADE REPAIR | SY | \$30.00 | 380 | \$11,400.00 |
| 73 | EXCAVATION AND GRADING | CY | \$25.00 | 1,000 | \$25,000.00 |
| 74 | SODDING | SY | \$5.00 | 7,902 | \$39,510.00 |
| 75 | ADJUST MANHOLE | EACH | \$1,000.00 | 17 | \$17,000.00 |
| 76 | ADJUST WATER VALVE | EACH | \$600.00 | 4 | \$2,400.00 |
| 77 | ADJUST INLET TOP TO PROPOSED GRADE | EACH | \$800.00 | 5 | \$4,000.00 |
| 78 | REMOVE CURB INLET TOP | EACH | \$400.00 | 19 | \$7,600.00 |
| 79 | REMOVE MISCELLANEOUS WIDTH CONCRETE SIDEWALK | LF | \$8.00 | 120 | \$960.00 |
| 80 | REMOVE 4' CONCRETE SIDEWALK | LF | \$8.00 | 2,778 | \$22,224.00 |
| 81 | REMOVE 5' CONCRETE SIDEWALK | LF | \$10.00 | 881 | \$8,810.00 |
| 82 | REMOVE 6' CONCRETE SIDEWALK | LF | \$12.00 | 244 | \$2,928.00 |
| 83 | REMOVE TYPE "B" CURB AND GUTTER | LF | \$12.00 | 4,640 | \$55,680.00 |
| 84 | REMOVE DOWELED ON MEDIAN CURB | LF | \$12.00 | 272 | \$3,264.00 |
| 85 | REMOVE 7" CONCRETE COMMERCIAL DRIVE | SY | \$25.00 | 1,120 | \$28,000.00 |
| 86 | REPLACE MISCELLANEOUS WIDTH CONCRETE SIDEWALK | LF | \$20.00 | 42 | \$840.00 |
| 87 | REPLACE 4' CONCRETE SIDEWALK | LF | \$24.00 | 28 | \$672.00 |
| 88 | REPLACE/CONSTRUCT 5' CONCRETE SIDEWALK | LF | \$30.00 | 6,387 | \$191,610.00 |
| 89 | REPLACE/CONSTRUCT 6' CONCRETE SIDEWALK | LF | \$36.00 | 2,206 | \$79,416.00 |
| 90 | REPLACE/CONSTRUCT TYPE "B" CURB AND GUTTER | LF | \$20.00 | 12,410 | \$248,200.00 |
| 91 | REPLACE/CONSTRUCT DOWELED ON MEDIAN CURB | LF | \$20.00 | 5,091 | \$101,820.00 |
| 92 | REPLACE/CONSTRUCT 7" CONCRETE COMMERCIAL DRIVE | SY | \$60.00 | 3,729 | \$223,740.00 |
| 93 | REPLACE CURB INLET TOP | EACH | \$2,000.00 | 19 | \$38,000.00 |
| 94 | CONSTRUCT TYPE "B" PARKING LOT CURB AND GUTTER | LF | \$17.00 | 1,605 | \$27,285.00 |
| 95 | CONSTRUCT INTEGRAL SIDEWALK RETAINING WALL | SF | \$70.00 | 807 | \$56,490.00 |
| 96 | CONSTRUCT INTEGRAL SIDEWALK CURB | LF | \$20.00 | 701 | \$14,020.00 |
| 97 | CONSTRUCT TYPE I ADA RAMP | EACH | \$1,400.00 | 29 | \$40,600.00 |
| 98 | CONSTRUCT TYPE II ADA RAMP | EACH | \$1,700.00 | 6 | \$10,200.00 |
| 99 | CONSTRUCT TYPE III ADA RAMP | EACH | \$1,700.00 | 8 | \$13,600.00 |
| TRAFFIC ITEMS | | | | | |
| 100 | 4" BROKEN YELLOW LINE (HPS-8) | LF | \$1.00 | 54 | \$54.00 |
| 101 | 4" SOLID YELLOW LINE (HPS-8) | LF | \$1.00 | 3,618 | \$3,618.00 |
| 102 | 6" BROKEN WHITE LINE (HPS-8) | LF | \$1.50 | 1,780 | \$2,670.00 |
| 103 | 6" DOTTED WHITE EXTENSION LINE (HPS-8) | LF | \$1.50 | 265 | \$397.50 |
| 104 | 6" SOLID WHITE LINE (HPS-8) | LF | \$1.50 | 8,533 | \$12,799.50 |
| 105 | 6" SOLID WHITE X-WALK LINE (PREFORMED THERMO) | LF | \$5.00 | 1,656 | \$8,280.00 |
| 106 | 12" SOLID YELLOW LINE (HPS-8) | LF | \$5.00 | 36 | \$180.00 |
| 107 | 12" SOLID WHITE LINE (HPS-8) | LF | \$5.00 | 100 | \$500.00 |
| 108 | 24" SOLID WHITE LINE (PREFORMED THERMO) | LF | \$10.00 | 464 | \$4,640.00 |
| 109 | LEFT/RIGHT TURN ARROW (PREFORMED THERMO) | EACH | \$250.00 | 75 | \$18,750.00 |
| 110 | THRU-LEFT ARROW (PREFORMED THERMO) | EACH | \$250.00 | 1 | \$250.00 |
| 111 | ONLY SYMBOL (PREFORMED THERMO) | EACH | \$200.00 | 1 | \$200.00 |
| 112 | BIKE LANE SYMBOL (PREFORMED THERMO) | EACH | \$250.00 | 8 | \$2,000.00 |
| 113 | 4c #18 WIRE | LF | \$2.00 | 700 | \$1,400.00 |
| 114 | INSTALL 6' X 6' TRAFFIC DETECTOR LOOP | EACH | \$750.00 | 11 | \$8,250.00 |
| 115 | INSTALL WAVETRONIX | EACH | \$12,000.00 | 5 | \$60,000.00 |
| 116 | REMOVE JUNCTION BOX | EACH | \$300.00 | 2 | \$600.00 |
| 117 | REMOVE AND RESET JUNCTION BOX | EACH | \$300.00 | 1 | \$300.00 |
| 118 | MERGE ARROW (PREFORMED THERMO) | EACH | \$250.00 | 2 | \$500.00 |
| 119 | 8" DOTTED WHITE LANE DROP LINE (HPS-8) | LF | \$5.00 | 115 | \$575.00 |
| Total 3-P-001-19: | | | | | \$2,276,055.00 |
| 3-C-083-15 Waterline and Sanitary Sewer Work: | | | | | \$3,283,865.00 |
| 3-C-083-15 Roadway Total: | | | | | \$3,129,790.00 |
| Owner's Contingency Allowance | | | | | \$150,000.00 |
| Project Total: | | | | | \$8,839,710.00 |

