

Project Name: 32nd St. and Fulton Ave Drainage Improvements Project

Project Number: 2016-04

Bid Date: 05/06/2020

Time: 10:00 a.m.

Fund: Sanitary Sewer

Organization Code: 78487806

Object Code: 489040

Engineer's Estimate

City Engineering Division

Luka Co., Inc.

15270 Main Lane
Weldon, IL 61882

Entler Excavating Co., Inc.

819 N Sunnyside Rd
Decatur, IL 62522

| Item Number | Pay Item | Quantity | Unit | Unit Price | Total | Unit Price | Total | Unit Price | Total |
|-------------|--|----------|-------|------------|--------------|------------|--------------|------------|--------------|
| 20100110 | TREE REMOVAL (6 TO 15 UNITS DIA) | 24 | UNIT | \$40.00 | \$960.00 | \$400.00 | \$9,600.00 | \$70.00 | \$1,680.00 |
| 20100210 | TREE REMOVAL (OVER 15 UNITS DIA) | 50 | UNIT | \$50.00 | \$2,500.00 | \$900.00 | \$45,000.00 | \$90.00 | \$4,500.00 |
| 20800150 | TRENCH BACKFILL | 1,550 | CU YD | \$45.00 | \$69,750.00 | \$42.00 | \$65,100.00 | \$55.00 | \$85,250.00 |
| 20900110 | POROUS GRANULAR BACKFILL | 35 | CU YD | \$100.00 | \$3,500.00 | \$50.00 | \$1,750.00 | \$60.00 | \$2,100.00 |
| 21400100 | GRADING AND SHAPING DITCHES | 3,851 | FOOT | \$25.00 | \$96,275.00 | \$3.00 | \$11,553.00 | \$29.00 | \$111,679.00 |
| 25000100 | SEEDING CLASS I | 5,895 | SQ YD | \$0.75 | \$4,421.25 | \$2.00 | \$11,790.00 | \$0.55 | \$3,242.25 |
| 25000400 | NITROGEN FERTILIZER NUTRIENT | 110 | POUND | \$1.20 | \$132.00 | \$8.00 | \$880.00 | \$1.33 | \$146.30 |
| 25000500 | PHOSPHORUS FERTILIZER NUTRIENT | 110 | POUND | \$1.20 | \$132.00 | \$8.00 | \$880.00 | \$1.33 | \$146.30 |
| 25000600 | POTASSIUM FERTILIZER NUTRIENT | 110 | POUND | \$1.20 | \$132.00 | \$8.00 | \$880.00 | \$1.33 | \$146.30 |
| 25100105 | MULCH METHOD I | 726 | SQ YD | \$1.00 | \$726.00 | \$5.00 | \$3,630.00 | \$0.75 | \$544.50 |
| 25100630 | EROSION CONTROL BLANKET | 5,169 | SQ YD | \$2.00 | \$10,338.00 | \$3.60 | \$18,608.40 | \$2.00 | \$10,338.00 |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | 114 | POUND | \$5.00 | \$570.00 | \$15.00 | \$1,710.00 | \$2.50 | \$285.00 |
| 28000305 | TEMPORARY DITCH CHECKS | 336 | FOOT | \$15.00 | \$5,040.00 | \$10.00 | \$3,360.00 | \$20.00 | \$6,720.00 |
| 28000400 | PERIMETER EROSION BARRIER | 548 | FOOT | \$3.50 | \$1,918.00 | \$3.70 | \$2,027.60 | \$5.00 | \$2,740.00 |
| 28000510 | INLET FILTERS | 38 | EACH | \$150.00 | \$5,700.00 | \$155.00 | \$5,890.00 | \$300.00 | \$11,400.00 |
| 28100105 | STONE RIPRAP, CLASS A3 | 470 | SQ YD | \$38.00 | \$17,860.00 | \$12.00 | \$5,640.00 | \$40.00 | \$18,800.00 |
| 28200200 | FILTER FABRIC | 470 | SQ YD | \$3.00 | \$1,410.00 | \$3.00 | \$1,410.00 | \$5.00 | \$2,350.00 |
| 40200500 | AGGREGATE SURFACE COURSE TYPE B, 6" | 170 | SQ YD | \$65.00 | \$11,050.00 | \$12.00 | \$2,040.00 | \$15.00 | \$2,550.00 |
| 42300200 | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH | 60 | SQ YD | \$80.00 | \$4,800.00 | \$72.00 | \$4,320.00 | \$154.00 | \$9,240.00 |
| 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK | 1,590 | SQ FT | \$15.00 | \$23,850.00 | \$7.50 | \$11,925.00 | \$11.41 | \$18,141.90 |
| 42400800 | DETECTABLE WARNINGS | 32 | SQ FT | \$30.00 | \$960.00 | \$50.00 | \$1,600.00 | \$37.38 | \$1,196.16 |
| 44000200 | DRIVEWAY PAVEMENT REMOVAL | 235 | SQ YD | \$15.00 | \$3,525.00 | \$5.00 | \$1,175.00 | \$20.00 | \$4,700.00 |
| 44000500 | COMBINATION CURB AND GUTTER REMOVAL | 365 | FOOT | \$12.00 | \$4,380.00 | \$8.00 | \$2,920.00 | \$20.00 | \$7,300.00 |
| 44000600 | SIDEWALK REMOVAL | 1,590 | SQ FT | \$3.00 | \$4,770.00 | \$4.00 | \$6,360.00 | \$3.00 | \$4,770.00 |
| 44201717 | CLASS D PATCHES, TYPE II, 6 INCH | 48 | SQ YD | \$125.00 | \$6,000.00 | \$96.00 | \$4,608.00 | \$110.00 | \$5,280.00 |
| 44201721 | CLASS D PATCHES, TYPE III, 6 INCH | 200 | SQ YD | \$125.00 | \$25,000.00 | \$92.00 | \$18,400.00 | \$107.00 | \$21,400.00 |
| 44201723 | CLASS D PATCHES, TYPE IV, 6 INCH | 655 | SQ YD | \$100.00 | \$65,500.00 | \$90.00 | \$58,950.00 | \$105.00 | \$68,775.00 |
| 50105220 | PIPE CULVERT REMOVAL | 635 | FOOT | \$12.00 | \$7,620.00 | \$6.00 | \$3,810.00 | \$25.00 | \$15,875.00 |
| 54010402 | PRECAST CONCRETE BOX CULVERTS 4'X2' | 25 | FOOT | \$280.00 | \$7,000.00 | \$520.00 | \$13,000.00 | \$550.00 | \$13,750.00 |
| 54010502 | PRECAST CONCRETE BOX CULVERTS 5'X2' | 43 | FOOT | \$350.00 | \$15,050.00 | \$621.00 | \$26,703.00 | \$600.00 | \$25,800.00 |
| 54010602 | PRECAST CONCRETE BOX CULVERTS 6'X2' | 106 | FOOT | \$500.00 | \$53,000.00 | \$650.00 | \$68,900.00 | \$700.00 | \$74,200.00 |
| 54213657 | PRECAST REINFORCED CONCRETE FLARED END SECTION 12" | 1 | EACH | \$795.00 | \$795.00 | \$550.00 | \$550.00 | \$1,000.00 | \$1,000.00 |
| 54261712 | STEEL FLARED END SECTIONS 12" | 35 | EACH | \$150.00 | \$5,250.00 | \$275.00 | \$9,625.00 | \$250.00 | \$8,750.00 |
| 542D0217 | PIPE CULVERTS, CLASS D, TYPE 1 12" | 601 | FOOT | \$38.00 | \$22,838.00 | \$36.00 | \$21,636.00 | \$40.00 | \$24,040.00 |
| 550A0050 | STORM SEWERS, CLASS A, TYPE 1, 12" | 145 | FOOT | \$40.00 | \$5,800.00 | \$36.00 | \$5,220.00 | \$45.00 | \$6,525.00 |
| 550A0140 | STORM SEWERS, CLASS A, TYPE 1, 30" | 267 | FOOT | \$80.00 | \$21,360.00 | \$86.00 | \$22,962.00 | \$85.00 | \$22,695.00 |
| 550A0340 | STORM SEWERS, CLASS A, TYPE 2 12" | 48 | FOOT | \$45.00 | \$2,160.00 | \$36.00 | \$1,728.00 | \$55.00 | \$2,640.00 |
| 550A0380 | STORM SEWERS, CLASS A, TYPE 2 18" | 1,303 | FOOT | \$55.00 | \$71,665.00 | \$41.00 | \$53,423.00 | \$65.00 | \$84,695.00 |
| 550A0400 | STORM SEWERS, CLASS A, TYPE 2 21" | 284 | FOOT | \$65.00 | \$18,460.00 | \$47.00 | \$13,348.00 | \$75.00 | \$21,300.00 |
| 550A0410 | STORM SEWERS, CLASS A, TYPE 2 24" | 715 | FOOT | \$75.00 | \$53,625.00 | \$55.00 | \$39,325.00 | \$80.00 | \$57,200.00 |
| 550A0430 | STORM SEWERS, CLASS A, TYPE 2 30" | 276 | FOOT | \$85.00 | \$23,460.00 | \$81.00 | \$22,356.00 | \$85.00 | \$23,460.00 |
| 550A0450 | STORM SEWERS, CLASS A, TYPE 2 36" | 1,866 | FOOT | \$110.00 | \$205,260.00 | \$103.00 | \$192,198.00 | \$95.00 | \$177,270.00 |
| 550B0340 | STORM SEWERS, CLASS B, TYPE 2 12" | 184 | FOOT | \$50.00 | \$9,200.00 | \$36.00 | \$6,624.00 | \$45.00 | \$8,280.00 |

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|---|--|--|---|

| Item Number | Pay Item | Quantity | Unit | Unit Price | Total | Unit Price | Total | Unit Price | Total |
|-------------|---|----------|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| 55100300 | STORM SEWER REMOVAL 8" | 7 | FOOT | \$12.00 | \$84.00 | \$10.00 | \$70.00 | \$100.00 | \$700.00 |
| 55100400 | STORM SEWER REMOVAL 12" | 23 | FOOT | \$15.00 | \$345.00 | \$12.00 | \$276.00 | \$95.00 | \$2,185.00 |
| 55100900 | STORM SEWER REMOVAL 18" | 364 | FOOT | \$18.00 | \$6,552.00 | \$15.00 | \$5,460.00 | \$25.00 | \$9,100.00 |
| 55101200 | STORM SEWER REMOVAL 24" | 21 | FOOT | \$21.00 | \$441.00 | \$20.00 | \$420.00 | \$100.00 | \$2,100.00 |
| 56106300 | ADJUSTING WATER MAIN 6" | 110 | FOOT | \$200.00 | \$22,000.00 | \$60.00 | \$6,600.00 | \$550.00 | \$60,500.00 |
| 56106400 | ADJUSTING WATER MAIN 8" | 35 | FOOT | \$220.00 | \$7,700.00 | \$85.00 | \$2,975.00 | \$600.00 | \$21,000.00 |
| 59300100 | CONTROLLED LOW-STRENGTH MATERIAL | 20 | CU YD | \$130.00 | \$2,600.00 | \$95.00 | \$1,900.00 | \$400.00 | \$8,000.00 |
| 60218300 | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID | 1 | EACH | \$2,700.00 | \$2,700.00 | \$2,700.00 | \$2,700.00 | \$2,600.00 | \$2,600.00 |
| 60218400 | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | 3 | EACH | \$2,800.00 | \$8,400.00 | \$2,700.00 | \$8,100.00 | \$2,600.00 | \$7,800.00 |
| 60219000 | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE | 5 | EACH | \$2,600.00 | \$13,000.00 | \$2,650.00 | \$13,250.00 | \$2,600.00 | \$13,000.00 |
| 60219200 | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 10 FRAME AND GRATE | 2 | EACH | \$2,700.00 | \$5,400.00 | \$3,000.00 | \$6,000.00 | \$2,600.00 | \$5,200.00 |
| 60221000 | MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID | 3 | EACH | \$3,200.00 | \$9,600.00 | \$3,500.00 | \$10,500.00 | \$3,100.00 | \$9,300.00 |
| 60221100 | MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID | 2 | EACH | \$3,200.00 | \$6,400.00 | \$3,600.00 | \$7,200.00 | \$3,100.00 | \$6,200.00 |
| 60221700 | MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE | 4 | EACH | \$3,200.00 | \$12,800.00 | \$3,450.00 | \$13,800.00 | \$3,100.00 | \$12,400.00 |
| 60221701 | MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE SPECIAL | 2 | EACH | \$3,200.00 | \$6,400.00 | \$3,500.00 | \$7,000.00 | \$3,100.00 | \$6,200.00 |
| 60223800 | MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID | 1 | EACH | \$4,500.00 | \$4,500.00 | \$5,300.00 | \$5,300.00 | \$5,000.00 | \$5,000.00 |
| 60224005 | MANHOLES, TYPE A, 6'-DIAMETER, TYPE 8 GRATE | 3 | EACH | \$4,500.00 | \$13,500.00 | \$5,300.00 | \$15,900.00 | \$5,000.00 | \$15,000.00 |
| 60236200 | INLETS, TYPE A, TYPE 8 GRATE | 13 | EACH | \$1,500.00 | \$19,500.00 | \$800.00 | \$10,400.00 | \$1,750.00 | \$22,750.00 |
| 60236700 | INLETS, TYPE A, TYPE 10 FRAME AND GRATE | 2 | EACH | \$2,000.00 | \$4,000.00 | \$950.00 | \$1,900.00 | \$1,750.00 | \$3,500.00 |
| 60240301 | INLETS, TYPE B, TYPE 8 GRATE | 2 | EACH | \$1,600.00 | \$3,200.00 | \$2,450.00 | \$4,900.00 | \$2,200.00 | \$4,400.00 |
| 60500040 | REMOVING MANHOLES | 1 | EACH | \$400.00 | \$400.00 | \$250.00 | \$250.00 | \$1,500.00 | \$1,500.00 |
| 60500060 | REMOVING INLETS | 4 | EACH | \$295.00 | \$1,180.00 | \$150.00 | \$600.00 | \$500.00 | \$2,000.00 |
| 60602800 | CONCRETE GUTTER, TYPE B | 358 | FOOT | \$75.00 | \$26,850.00 | \$45.00 | \$16,110.00 | \$67.61 | \$24,204.38 |
| 63000001 | STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS | 110 | FOOT | \$100.00 | \$11,000.00 | \$120.00 | \$13,200.00 | \$150.00 | \$16,500.00 |
| 63200310 | GUARDRAIL REMOVAL | 110 | FOOT | \$25.00 | \$2,750.00 | \$20.00 | \$2,200.00 | \$29.00 | \$3,190.00 |
| 67100100 | MOBILIZATION | 1 | L SUM | \$80,000.00 | \$80,000.00 | \$25,000.00 | \$25,000.00 | \$26,000.00 | \$26,000.00 |
| X0322916 | PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER | 2 | EACH | \$750.00 | \$1,500.00 | \$975.00 | \$1,950.00 | \$1,000.00 | \$2,000.00 |
| X0322918 | PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER | 5 | EACH | \$2,000.00 | \$10,000.00 | \$2,000.00 | \$10,000.00 | \$3,000.00 | \$15,000.00 |
| X0322936 | REMOVE EXISTING FLARED END SECTION | 40 | EACH | \$250.00 | \$10,000.00 | \$200.00 | \$8,000.00 | \$250.00 | \$10,000.00 |
| X0324585 | SANITARY SEWER SERVICE REMOVAL AND REPLACEMENT | 20 | EACH | \$2,000.00 | \$40,000.00 | \$700.00 | \$14,000.00 | \$1,500.00 | \$30,000.00 |
| X0324586 | WATER SERVICE REMOVAL AND REPLACEMENT | 20 | EACH | \$2,500.00 | \$50,000.00 | \$900.00 | \$18,000.00 | \$1,500.00 | \$30,000.00 |
| X2200020 | FENCE REMOVAL AND REINSTALLATION | 172 | FOOT | \$50.00 | \$8,600.00 | \$25.00 | \$4,300.00 | \$40.00 | \$6,880.00 |
| X5509900 | ABANDON AND FILL EXISTING STORM SEWER | 335 | FOOT | \$100.00 | \$33,500.00 | \$98.00 | \$32,830.00 | \$250.00 | \$83,750.00 |
| X7010216 | TRAFFIC CONTROL AND PROTECTION, (SPECIAL) | 1 | L SUM | \$30,000.00 | \$30,000.00 | \$25,000.00 | \$25,000.00 | \$10,000.00 | \$10,000.00 |
| X0324078 | CONFLICT MANHOLE, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID | 2 | EACH | \$3,800.00 | \$7,600.00 | \$8,000.00 | \$16,000.00 | \$7,500.00 | \$15,000.00 |
| XX000541 | EXPLORATORY EXCAVATION | 15 | EACH | \$1,000.00 | \$15,000.00 | \$200.00 | \$3,000.00 | \$1,000.00 | \$15,000.00 |
| Z0004522 | HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4" | 145 | SQ YD | \$75.00 | \$10,875.00 | \$125.40 | \$18,183.00 | \$141.00 | \$20,445.00 |
| Z0056608 | STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH | 294 | FOOT | \$80.00 | \$23,520.00 | \$40.00 | \$11,760.00 | \$70.00 | \$20,580.00 |
| Z0056612 | STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH | 74 | FOOT | \$100.00 | \$7,400.00 | \$60.00 | \$4,440.00 | \$80.00 | \$5,920.00 |
| X0327477 | WATER MAIN ENCASEMENT 12" | 85 | FOOT | \$75.00 | \$6,375.00 | \$40.00 | \$3,400.00 | \$125.00 | \$10,625.00 |
| X0327477 | WATER MAIN ENCASEMENT 16" | 85 | FOOT | \$85.00 | \$7,225.00 | \$50.00 | \$4,250.00 | \$175.00 | \$14,875.00 |
| Z0013798 | CONSTRUCTION LAYOUT | 1 | L SUM | \$10,000.00 | \$10,000.00 | \$20,000.00 | \$20,000.00 | \$20,000.00 | \$20,000.00 |

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|--|---|----------|-------|--------------|----------------|--------------|----------------|--------------|----------------|
| Z006000 | UNSUITABLE MATERIAL EXCAVATION, DISPOSAL, & BACKFILL | 300 | CU YD | \$50.00 | \$15,000.00 | \$20.00 | \$6,000.00 | \$75.00 | \$22,500.00 |
| Z007000 | SHRUB REMOVAL | 3 | EACH | \$10.00 | \$30.00 | \$100.00 | \$300.00 | \$200.00 | \$600.00 |
| Z008000 | REMOVE AND RELOCATE SHED | 3 | EACH | \$1,000.00 | \$3,000.00 | \$1,000.00 | \$3,000.00 | \$2,500.00 | \$7,500.00 |
| Z009000 | ALTERATIONS, CANCELLATIONS, EXTENSIONS, DEDUCTIONS AND EXTRA WORK | 1 | EACH | \$150,000.00 | \$150,000.00 | \$150,000.00 | \$150,000.00 | \$150,000.00 | \$150,000.00 |
| Z010000 | PRECAST CONCRETE END SECTION TRANSITION (SPECIAL) | 1 | EACH | \$5,000.00 | \$5,000.00 | \$34,000.00 | \$34,000.00 | \$60,000.00 | \$60,000.00 |
| Z010000 | TELEVISION INSPECTION OF SEWER, SPECIAL | 5,088 | EACH | \$1.50 | \$7,632.00 | \$1.15 | \$5,851.20 | \$2.50 | \$12,720.00 |
| TOTAL BIDS (AS CORRECTED) | | | | | \$1,617,301.25 | | \$1,379,690.20 | | \$1,826,625.09 |
| Percent Over Under ENGINEER'S ESTIMATE | | | | | | | -14.69% | | 12.94% |

Paul E. Caswell, P.E., City Engineer

Date

