

DATE May 20, 2019

ORDERING CONSTRUCTION OF
47TH AND HOLCOMB STORM SEWER IMPROVEMENTS
AND FIXING A DATE FOR RECEIVING OF BIDS ON JUNE 11, 2019
AND PUBLIC HEARING ON JUNE 24, 2019
ENGINEER'S ESTIMATE IS \$5,900,000.00

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached communication recommending construction of the following improvement and the method of financing; and also including the recommendation of the Des Moines City Engineer, as the Engineer, submitting plans, specifications, form of contract documents, and Engineer's estimate of cost for the construction of the following improvement:

47th and Holcomb Storm Sewer Improvements, 08-2019-014

The improvement includes constructing new Reinforced Concrete Box (RCB) storm sewer, Reinforced Concrete Pipe (RCP) storm sewer sizes 15-inches to 42-inches, precast manholes, cast-in-place manholes and intakes, Poly Vinyl Chloride (PVC) sanitary sewer, Ductile Iron (DI) water main, Portland Cement Concrete (PCC) pavement, Hot-Mix Asphalt (HMA) paving, PCC curb and gutter, earthwork and grading, erosion control, restoration, and other associated and incidental items; all in accordance with contract documents, including Plan File Nos. 611-067/178, located on 47th Street and Holcomb Avenue, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$5,900,000.00. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.

BE IT FURTHER RESOLVED: That this Council hereby determines that it is necessary and advisable to construct said improvement in the manner set forth in the plans, specifications, and form of contract documents submitted by the Engineer; and that payment for the cost of said improvement shall be paid from the funding source identified below.

BE IT FURTHER RESOLVED: That a public hearing on said plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement be held in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa, at 5:00 p.m. on June 24, 2019, at which time this Council will consider any objections offered thereto or to the making of said improvement.

BE IT FURTHER RESOLVED: That proposals will be received by the City of Des Moines, at the office of the Des Moines City Clerk until 11:00 a.m. on June 11, 2019, for the construction of said improvement, and the taking of bids in the manner required by law. Proposals received will be opened at a public meeting presided over by the Engineer in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa, at 11:00 a.m. on June 11, 2019, after which the bids together with a bid tabulation and recommendation of the Engineer will be presented to the City Council at its next meeting for action thereon.



Roll Call Number

Agenda Item Number

7A

DATE May 20, 2019

BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders for said improvement be posted, and Notice of Public Hearing for said improvement be published in the Des Moines Register, all as provided and directed by Chapter 26 and/or 314, Code of Iowa.

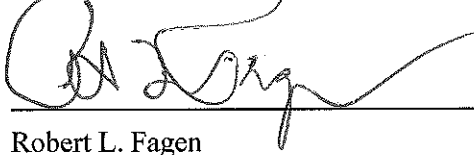
(City Council Communication Number 19-223 attached.)

Moved by _____ to adopt.

FORM APPROVED:


Kathleen Vanderpool
Deputy City Attorney

FUNDS AVAILABLE


Robert L. Fagen
Des Moines Finance Director

SLN

Funding Source: 2019-2020 CIP, Page Storm – 5, Closes Creek Watershed Improvements, SM068, Being: \$2,360,993.55 of Stormwater Utility Bonds Issued and \$3,000,000 of Stormwater Utility Bonds to be Issued; and the remaining \$539,006.45 from Des Moines Water Works

| COUNCIL ACTION | YEAS | NAYS | PASS | ABSENT |
|----------------|------|------|------|--------|
| COWNIE | | | | |
| BOESEN | | | | |
| COLEMAN | | | | |
| GATTO | | | | |
| GRAY | | | | |
| MANDELBAUM | | | | |
| WESTERGAARD | | | | |
| TOTAL | | | | |

MOTION CARRIED

APPROVED

Mayor

I, Diane Rauh, City Clerk of said City Council, hereby certify that at a meeting of the City Council, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

City Clerk

CONSTRUCTION ESTIMATE

7A

DEPARTMENT OF ENGINEERING
CITY OF DES MOINES, IOWA

Activity ID 08-2019-014

Date: 5/1/2019

PROJECT: 47TH AND HOLCOMB STORM SEWER IMPROVEMENTS

| NO. | DESCRIPTION | ESTIMATED UNITS | | | AMOUNT |
|-----|--|-----------------|-------|-------------|----------------|
| | | UNIT | TOTAL | UNIT PRICE | TOTAL |
| 1 | * Clearing and Grubbing | LS | 1 | \$2,000.00 | \$2,000.00 |
| 2 | * Topsoil, Off-site | CY | 553 | \$45.00 | \$24,885.00 |
| 3 | * Below Grade Excavation (Core Out) | CY | 500 | \$20.00 | \$10,000.00 |
| 4 | * Subgrade Preparation | SY | 2875 | \$5.00 | \$14,375.00 |
| 5 | * Subgrade Treatment, Geogrid, Type 2 | SY | 1183 | \$3.00 | \$3,549.00 |
| 6 | * Subbase, Modified, 6" | SY | 6045 | \$15.00 | \$90,675.00 |
| 7 | * Subbase, Special Backfill, 6" | SY | 1183 | \$10.00 | \$11,830.00 |
| 8 | * Class A Roadstone | TON | 300 | \$35.00 | \$10,500.00 |
| 9 | * Trench Foundation | TON | 169 | \$35.00 | \$5,915.00 |
| 10 | Special Pipe Support | EA | 1 | \$2,000.00 | \$2,000.00 |
| 11 | * Imported Granular Backfill | TON | 350 | \$30.00 | \$10,500.00 |
| 12 | Sanitary Sewer Gravity Main, Trenched, PVC, 10" | LF | 2794 | \$85.00 | \$237,490.00 |
| 13 | Sanitary Sewer Service Replacement | LF | 880 | \$200.00 | \$176,000.00 |
| 14 | Storm Sewer, Trenched, RCP, 15" | LF | 187 | \$100.00 | \$18,700.00 |
| 15 | Storm Sewer, Trenched, RCP, 18" | LF | 21 | \$150.00 | \$3,150.00 |
| 16 | Storm Sewer, Trenched, RCP, 24" | LF | 180 | \$150.00 | \$27,000.00 |
| 17 | Storm Sewer, Trenched, DIP, 24" | LF | 54 | \$300.00 | \$16,200.00 |
| 18 | Storm Sewer, Trenched, RCP, 30" | LF | 282 | \$150.00 | \$42,300.00 |
| 19 | Storm Sewer, Trenched, RCP, 36" | LF | 50 | \$200.00 | \$10,000.00 |
| 20 | Storm Sewer, Trenched, RCP, 42" | LF | 140 | \$250.00 | \$35,000.00 |
| 21 | Storm Sewer, Trenched, RCAP, 42" Equivalent | LF | 39 | \$300.00 | \$11,700.00 |
| 22 | Reinforced Concrete Box (RCB), Single Cell, 12'x4' | LF | 1510 | \$1,250.00 | \$1,887,500.00 |
| 23 | Storm Sewer, Trenchless, RCP, 36" | LF | 110 | \$900.00 | \$99,000.00 |
| 24 | * Removal of Sewer, Less Than or Equal To 30" | LF | 2656 | \$25.00 | \$66,400.00 |
| 25 | Connection to RCB, 24" Storm Sewer | EA | 16 | \$1,500.00 | \$24,000.00 |
| 26 | Connection to RCB, RCB Cross Connection | EA | 2 | \$10,000.00 | \$20,000.00 |
| 27 | Connection to RCB, Cast-in-Place End Cap | EA | 3 | \$5,000.00 | \$15,000.00 |
| 28 | Subdrain, Type 2, 8" | LF | 3667 | \$30.00 | \$110,010.00 |
| 29 | Subdrain Cleanout, Type A-1, 8" | EA | 7 | \$700.00 | \$4,900.00 |

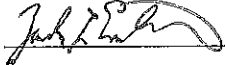
| NO. | DESCRIPTION | ESTIMATED UNITS | | | AMOUNT |
|-----|---|-----------------|-------|-------------|--------------|
| | | UNIT | TOTAL | UNIT PRICE | TOTAL |
| 30 | Subdrain Cleanout, Type A-2, 4" | EA | 48 | \$500.00 | \$24,000.00 |
| 31 | Subdrain Outlet and Connections, 8" | EA | 33 | \$500.00 | \$16,500.00 |
| 32 | Storm Sewer Service Stub, PVC, 4" | LF | 753 | \$25.00 | \$18,825.00 |
| 33 | * Plug Existing Sewer | EA | 1 | \$600.00 | \$600.00 |
| 34 | * Water Main, 8", DIP | LF | 1380 | \$90.00 | \$124,200.00 |
| 35 | * Water Main, 8", DIP, Restrained Joint | LF | 175 | \$120.00 | \$21,000.00 |
| 36 | * Casing Pipe, 16", PVC | LF | 30 | \$150.00 | \$4,500.00 |
| 37 | * Fitting, Bend, 8" | EA | 9 | \$1,000.00 | \$9,000.00 |
| 38 | * Fitting, Solid Sleeve, 8" | EA | 2 | \$500.00 | \$1,000.00 |
| 39 | * Fitting, Tee, 8"x8" | EA | 1 | \$1,600.00 | \$1,600.00 |
| 40 | * Fitting, Cap/Plug, 8" | EA | 1 | \$1,000.00 | \$1,000.00 |
| 41 | * Valve, Gate, 8" | EA | 1 | \$2,500.00 | \$2,500.00 |
| 42 | * Hydrant Assembly | EA | 5 | \$6,000.00 | \$30,000.00 |
| 43 | * Hydrant By-Pass Assembly | EA | 1 | \$10,000.00 | \$10,000.00 |
| 44 | * Water Service, 1", Opposite Side | EA | 20 | \$3,500.00 | \$70,000.00 |
| 45 | * Water Service, 1", Same Side | EA | 21 | \$2,500.00 | \$52,500.00 |
| 46 | * Water Main Alteration, Type 1, 8" | EA | 1 | \$15,000.00 | \$15,000.00 |
| 47 | * Water Main Alteration, Type 3, 8" | EA | 2 | \$15,000.00 | \$30,000.00 |
| 48 | * Remove Tee / Tapping Sleeve | EA | 2 | \$5,000.00 | \$10,000.00 |
| 49 | * Remove Water Main | LF | 1550 | \$10.00 | \$15,500.00 |
| 50 | * Remove and Replace Hydrant Assembly | EA | 1 | \$10,000.00 | \$10,000.00 |
| 51 | * Magnesium Anode, 32-Pound | EA | 18 | \$500.00 | \$9,000.00 |
| 52 | * Cathodic Protection Test Station | EA | 3 | \$500.00 | \$1,500.00 |
| 53 | * Connection to Existing Main | EA | 3 | \$4,000.00 | \$12,000.00 |
| 54 | Manhole, Type SW-301, 48" | EA | 11 | \$5,500.00 | \$60,500.00 |
| 55 | Manhole, Type SW-401, 60" | EA | 1 | \$6,000.00 | \$6,000.00 |
| 56 | Manhole, Type SW-401, 72" | EA | 2 | \$9,000.00 | \$18,000.00 |
| 57 | Manhole, Type SW-401, 84" | EA | 1 | \$11,000.00 | \$11,000.00 |
| 58 | Manhole, Type SW-404, 7'x5' | EA | 1 | \$15,000.00 | \$15,000.00 |
| 59 | Manhole, Type SW-404, Modified | EA | 5 | \$3,500.00 | \$17,500.00 |
| 60 | Intake, Type SW-505 | EA | 17 | \$8,500.00 | \$144,500.00 |
| 61 | Intake, Type SW-506 | EA | 5 | \$6,500.00 | \$32,500.00 |

| NO. | DESCRIPTION | ESTIMATED UNITS | | | AMOUNT |
|-----|--|-----------------|-------|-------------|--------------|
| | | UNIT | TOTAL | UNIT PRICE | TOTAL |
| 62 | Intake, Type SW-541 w/ SW-542 Extension | EA | 1 | \$15,000.00 | \$15,000.00 |
| 63 | Connection to Existing Structure | EA | 1 | \$3,000.00 | \$3,000.00 |
| 64 | * Remove Sewer Structure | EA | 20 | \$1,000.00 | \$20,000.00 |
| 65 | Backflow Preventer, Flap Gate | EA | 1 | \$5,000.00 | \$5,000.00 |
| 66 | Pavement, PCC, 6" | SY | 1474 | \$65.00 | \$95,810.00 |
| 67 | Pavement, PCC, 6", Continuously Reinforced | SY | 4258 | \$85.00 | \$361,930.00 |
| 68 | Curb and Gutter, 2.0', 6" | LF | 678 | \$40.00 | \$27,120.00 |
| 69 | * PCC Pavement Samples and Testing | LS | 1 | \$5,000.00 | \$5,000.00 |
| 70 | Pavement, HMA ST Surface, 1/2" Mix, No Fric., PG 58-28 H | TON | 200 | \$110.00 | \$22,000.00 |
| 71 | * HMA Pavement Samples and Testing | LS | 1 | \$3,000.00 | \$3,000.00 |
| 72 | * Removal of Sidewalk | SY | 1308 | \$15.00 | \$19,620.00 |
| 73 | * Removal of Driveway | SY | 1423 | \$15.00 | \$21,345.00 |
| 74 | Sidewalk, PCC, 4" | SY | 1306 | \$60.00 | \$78,360.00 |
| 75 | Sidewalk, PCC, 6" | SY | 186 | \$75.00 | \$13,950.00 |
| 76 | Detectable Warning | SF | 286 | \$40.00 | \$11,440.00 |
| 77 | Driveway, Paved, PCC, 6" | SY | 970 | \$65.00 | \$63,050.00 |
| 78 | Full Depth Patch, HMA | SY | 89 | \$100.00 | \$8,900.00 |
| 79 | Full Depth Patch, PCC | SY | 85 | \$120.00 | \$10,200.00 |
| 80 | * Pavement Removal | SY | 6901 | \$15.00 | \$103,515.00 |
| 81 | * Temporary Granular Surfacing | TON | 2000 | \$30.00 | \$60,000.00 |
| 82 | * Temporary Pavement | SY | 3024 | \$45.00 | \$136,080.00 |
| 83 | * Temporary Sidewalk | SY | 937 | \$45.00 | \$42,165.00 |
| 84 | * Temporary Pavement Removal | SY | 3024 | \$10.00 | \$30,240.00 |
| 85 | * Temporary Sidewalk Removal | SY | 937 | \$10.00 | \$9,370.00 |
| 86 | * Temporary Traffic Control | LS | 1 | \$55,000.00 | \$55,000.00 |
| 87 | * Sod | SQ | 300 | \$100.00 | \$30,000.00 |
| 88 | * Stormwater Pollution Prevention | LS | 1 | \$20,000.00 | \$20,000.00 |
| 89 | * Erosion Control Mulching, Hydromulching | AC | 0.7 | \$3,000.00 | \$2,100.00 |
| 90 | * Inlet Protection Device | EA | 48 | \$100.00 | \$4,800.00 |
| 91 | * Inlet Protection Device, Maintenance | EA | 48 | \$50.00 | \$2,400.00 |
| 92 | * Linear Erosion Control | LF | 4239 | \$3.00 | \$12,717.00 |
| 93 | * Linear Erosion Control, Removal | LF | 4239 | \$0.50 | \$2,119.50 |

7A

| NO. | DESCRIPTION | ESTIMATED UNITS | | | AMOUNT |
|-----|--|-----------------|-------|--------------|--------------|
| | | UNIT | TOTAL | UNIT PRICE | TOTAL |
| 94 | * Tree Protection Fence | LF | 1000 | \$4.00 | \$4,000.00 |
| 95 | * Tree Trimming | EA | 9 | \$750.00 | \$6,750.00 |
| 96 | Removal and Reinstallation of Existing Fence, Chain Link | LF | 197 | \$50.00 | \$9,850.00 |
| 97 | Removal and Reinstallation of Existing Fence, Wood | LF | 10 | \$50.00 | \$500.00 |
| 98 | Modular Block Retaining Wall | SF | 330 | \$50.00 | \$16,500.00 |
| 99 | * Mobilization | LS | 1 | \$764,364.50 | \$764,364.50 |
| 100 | * Maintenance of Postal Service | LS | 1 | \$7,500.00 | \$7,500.00 |
| 101 | * Maintenance of Solid Waste Collection | LS | 1 | \$7,500.00 | \$7,500.00 |
| 102 | * Concrete Washout | LS | 1 | \$2,000.00 | \$2,000.00 |

Prepared By: Matt Radermacher

Checked By: 

TOTAL CONSTRUCTION COST \$5,900,000.00

* Item does not have to be included in 4-year maintenance bond, but shall be covered by a 1-year maintenance bond.

* Estimate Total= \$2,053,115.00