

DATE January 28, 2019

ORDERING CONSTRUCTION OF
RUAN CONNECTOR
AND FIXING A DATE FOR RECEIVING OF BIDS ON FEBRUARY 12, 2019
AND PUBLIC HEARING ON FEBRUARY 25, 2019
ENGINEER'S ESTIMATE IS \$2,500,000.00

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:

Ruan Connector, 04-2018-013

The improvement includes Portland Cement Concrete (PCC) paving, Hot Mix Asphalt (HMA) pavement, precast concrete arch structure, Excavation Class 20, dewatering, storm sewer, modified subbase, lighting, landscaping, sodding, fencing, and incidental items; all in accordance with the contract documents, including Plan File Nos. 607-001/042, located under Fleur Drive north of George Flagg Parkway, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$2,500,000.00. 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 February 25, 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 February 12, 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 February 12, 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

5 A

DATE January 28, 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 19-045 attached.)

Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE





Kathleen Vanderpool
Deputy City Attorney

Robert L. Fagen
Des Moines Finance Director

SLN Funding Source: 2018-2019 CIP, Page Miscellaneous - 7, Ruan Connector, MS019, Being:
Private

| 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

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CONSTRUCTION ESTIMATE

DEPARTMENT OF ENGINEERING
CITY OF DES MOINES, IOWA

Activity ID 04-2018-013
IDOT PROJECT NO. N/A
DATE: 01-11-2019

PROJECT: RUAN CONNECTOR

| NO. | ITEM CODE | DESCRIPTION | ESTIMATED UNITS | | | AMOUNT |
|--------|--------------|---|-----------------|--------|--------------|--------------|
| | | | UNIT | TOTAL | UNIT PRICE | TOTAL |
| 1.01 | 2115-0100000 | MODIFIED SUBBASE | CY | 150 | \$50.00 | \$7,500.00 |
| 1.02 | 2123-7450000 | SHOULDER CONSTRUCTION, EARTH | STA | 4.8 | \$500.00 | \$2,400.00 |
| 1.03 | 2301-1033100 | STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 10 IN. | SY | 693 | \$215.00 | \$148,995.00 |
| 1.04 | 2402-0425040 | FLOODED BACKFILL | CY | 1760 | \$50.00 | \$88,000.00 |
| 1.05 | 2402-2720000 | EXCAVATION, CLASS 20 | CY | 3870 | \$30.00 | \$116,100.00 |
| 1.06 | 2402-2725005 | FOUNDATION TREATMENT MATERIAL | TON | 1260 | \$45.00 | \$56,700.00 |
| 1.07 | 2403-0100000 | STRUCTURAL CONCRETE (MISCELLANEOUS) | CY | 39.6 | \$700.00 | \$27,720.00 |
| 1.08 | 2404-7775005 | REINFORCING STEEL, EPOXY COATED | LB | 2555 | \$2.00 | \$5,110.00 |
| 1.09 * | 2501-8400170 | TEMPORARY SHEET PILES AND SHORING | LS | 1 | \$85,000.00 | \$85,000.00 |
| 1.10 * | 2510-6745850 | REMOVAL OF PAVEMENT | SY | 693 | \$20.00 | \$13,860.00 |
| 1.11 * | 2518-6910000 | SAFETY CLOSURE | EACH | 4 | \$500.00 | \$2,000.00 |
| 1.12 * | 2526-8285000 | CONSTRUCTION SURVEY | LS | 1 | \$20,000.00 | \$20,000.00 |
| 1.13 | 2527-9263109 | PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED | STA | 0.6 | \$2,000.00 | \$1,200.00 |
| 1.14 * | 2533-4980005 | MOBILIZATION | LS | 1 | \$261,386.75 | \$261,386.75 |
| 1.15 | 2599-9999009 | PRECAST CONCRETE ARCH, 19'-6" x 10'-6" | LF | 95 | \$3,000.00 | \$285,000.00 |
| 1.16 | 2599-9999009 | PRECAST CONCRETE ARCH FOOTING | LF | 193.33 | \$525.00 | \$101,498.25 |
| 1.17 | 2599-9999009 | PRECAST WINGWALL FOOTING | LF | 134.54 | \$800.00 | \$107,632.00 |
| 1.18 * | 2599-9999010 | DEWATERING | LS | 1 | \$75,000.00 | \$75,000.00 |
| 1.19 | 2599-9999014 | PRECAST WINGWALL | SF | 1435.6 | \$100.00 | \$143,560.00 |
| 1.20 | 2599-9999014 | BENTONITE WATERPROOFING MEMBRANE | SF | 1900 | \$2.00 | \$3,800.00 |
| 1.21 | 2599-9999014 | BITUMINOUS WATERPROOFING MEMBRANE | SF | 5800 | \$2.00 | \$11,600.00 |
| 2.01 | 2102-2710070 | EXCAVATION, CLASS 10, ROADWAY AND BORROW | CY | 201 | \$15.00 | \$3,015.00 |
| 2.02 | 2105-8425015 | TOPSOIL, STRIP, SALVAGE AND SPREAD | CY | 260 | \$15.00 | \$3,900.00 |
| 2.03 | 2401-6745765 | REMOVAL OF LIGHT POLES | EACH | 1 | \$500.00 | \$500.00 |
| 2.04 | 2403-7303000 | STRUCTURAL CONCRETE COATING | SY | 385 | \$65.00 | \$25,025.00 |
| 2.05 | 2414-6460000 | ORNAMENTAL METAL RAILING | LF | 100 | \$300.00 | \$30,000.00 |
| 2.06 | 2416-0100024 | APRONS, CONCRETE, 24 IN. DIA. | EACH | 1 | \$12,200.00 | \$12,200.00 |
| 2.07 | 2435-0130148 | MANHOLE, SANITARY SEWER, SW-301, 48 IN. | EACH | 3 | \$4,000.00 | \$12,000.00 |
| 2.08 | 2435-0700020 | CONNECTION TO EXISTING INTAKE | EACH | 1 | \$1,200.00 | \$1,200.00 |
| 2.09 | 2503-0112008 | STORM SEWER GRAVITY MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 8IN | LF | 21 | \$72.00 | \$1,512.00 |
| 2.10 | 2503-0114412 | STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 12 IN. | LF | 106 | \$78.00 | \$8,268.00 |
| 2.11 | 2503-0114418 | STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 18 IN. | LF | 20 | \$90.00 | \$1,800.00 |
| 2.12 | 2503-0114424 | STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 24 IN. | LF | 122 | \$140.00 | \$17,080.00 |
| 2.13 | 2503-0134412 | STORM SEWER GRAVITY MAIN WITH CASING PIPE, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 12 IN. | LF | 10 | \$350.00 | \$3,500.00 |
| 2.14 | 2503-0134424 | STORM SEWER GRAVITY MAIN WITH CASING PIPE, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 24 IN. | LF | 10 | \$380.00 | \$3,800.00 |
| 2.15 | 2503-0200036 | REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN. | LF | 96 | \$25.00 | \$2,400.00 |
| 2.16 | 2503-0200341 | STORM SEWER ABANDONMENT, FILL AND PLUG, LESS THAN OR EQUAL TO 36 IN. DIA. | LF | 99 | \$25.00 | \$2,475.00 |
| 2.17 | 2507-6800061 | REVTMENT, CLASS E | TON | 10 | \$100.00 | \$1,000.00 |
| 2.18 | 2511-0301600 | RECREATIONAL TRAIL, HOT MIX ASPHALT, 6 IN | SY | 340 | \$40.00 | \$13,600.00 |

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| NO. | ITEM CODE | DESCRIPTION | ESTIMATED UNITS | | | AMOUNT |
|--------|---------------|--|-----------------|-------|--------------|--------------|
| | | | UNIT | TOTAL | UNIT PRICE | TOTAL |
| 2.19 | 2511-0302600 | RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 6 IN. | SY | 220 | \$80.00 | \$17,600.00 |
| 2.20 * | 2511-6745900 | REMOVAL OF SIDEWALK | SY | 222 | \$10.00 | \$2,220.00 |
| 2.21 | 2512-1725256 | CURB AND GUTTER, P.C. CONCRETE, 2.5 FT. | LF | 105 | \$35.00 | \$3,675.00 |
| 2.22 | 2599-9999009 | PASSAGEWAY CURB | LF | 190 | \$310.00 | \$58,900.00 |
| 2.23 | 2599-9999009 | TRENCH DRAIN | LF | 18 | \$250.00 | \$4,500.00 |
| 2.24 | 2599-9999009 | LIMESTONE EDGER | LF | 166 | \$12.00 | \$1,992.00 |
| 2.25 * | 2599-9999009 | REMOVAL OF WATER MAIN | LF | 96 | \$25.00 | \$2,400.00 |
| 2.26 * | 2599-9999009 | TREE PROTECTION FENCE, 48 IN | LF | 375 | \$5.00 | \$1,875.00 |
| 2.27 | 2599-9999010 | MASONRY VENEER | LS | 1 | \$235,000.00 | \$235,000.00 |
| 2.28 | 2599-9999010 | PASSAGEWAY LIGHTING | LS | 1 | \$50,000.00 | \$50,000.00 |
| 2.29 | 2599-9999010 | PASSAGEWAY ELECTRICAL | LS | 1 | \$25,000.00 | \$25,000.00 |
| 2.30 * | 2599-9999010 | STORMWATER POLLUTION PREVENTION | LS | 1 | \$10,000.00 | \$10,000.00 |
| 2.31 | 2599-9999018 | SPECIAL COMPACTION OF SUBGRADE FOR RECREATIONAL TRAIL | SY | 560 | \$5.00 | \$2,800.00 |
| 2.32 | 2599-9999018 | GRAFFITI SEALER | SY | 385 | \$25.00 | \$9,625.00 |
| 2.33 | 2601-2634105 | MULCHING, BONDED FIBER MATRIX | ACRE | 0.25 | \$3,500.00 | \$875.00 |
| 2.34 * | 2601-2636044 | SEEDING AND FERTILIZING (URBAN) | ACRE | 0.25 | \$6,500.00 | \$1,625.00 |
| 2.35 * | 2601-2639010 | SODDING | SQ | 62 | \$62.00 | \$3,844.00 |
| 2.36 | 2601-2643110 | WATERING FOR SOD, SPECIAL DITCH CONTROL, OR SLOPE PROTECTION | MGAL | 37.2 | \$60.00 | \$2,232.00 |
| 2.37 * | 2610-0000180 | FLOWERS, AS PER PLAN | LS | 1 | \$9,750.00 | \$9,750.00 |
| 2.38 * | 2610-0000400 | WATERING FOR PLANTS | MGAL | 27 | \$30.00 | \$810.00 |
| 3.01 | 2523-0000310 | HANDHOLE AND JUNCTION BOX | EA | 2 | \$750.00 | \$1,500.00 |
| 3.02 * | 2528-8445110 | TRAFFIC CONTROL | LS | 1 | \$40,000.00 | \$40,000.00 |
| 3.03 * | 2528-9290050 | PORTABLE DYNAMIC MESSAGE SIGN (PDMS) | CDA | 510 | \$100.00 | \$51,000.00 |
| 3.04 | 2599-9999-005 | COLORED CONCRETE CORNER PIER | EA | 4 | \$1,200.00 | \$4,800.00 |
| 3.05 | 2599-9999005 | COLORED CONCRETE IN-LINE PIER | EA | 6 | \$1,200.00 | \$7,200.00 |
| 3.06 * | 2599-9999009 | REMOVAL OF CENTER MEDIAN | LF | 540 | \$100.00 | \$54,000.00 |
| 3.07 | 2599-9999009 | RESTORATION OF MEDIAN, PLANTER | LF | 145 | \$300.00 | \$43,500.00 |
| 3.08 | 2599-9999009 | RESTORATION OF MEDIAN, SOD | LF | 290 | \$250.00 | \$72,500.00 |
| 3.09 | 2599-9999009 | 3 INCH HDPE CONDUIT, BORED | LF | 550 | \$10.00 | \$5,500.00 |
| 3.10 | 2599-9999009 | INSTALL 12 STRAND FIBER | LF | 1750 | \$2.00 | \$3,500.00 |
| 3.11 | 2599-9999009 | INSTALL 36 STRAND FIBER | LF | 2770 | \$2.00 | \$5,540.00 |
| 3.12 * | 2599-9999009 | FENCE, TEMPORARY, CHAIN LINK, 72IN HEIGHT | LF | 470 | \$20.00 | \$9,400.00 |
| 3.13 * | 2599-9999009 | REMOVAL OF FENCE, TEMPORARY, CHAIN LINK, 72IN HEIGHT | LF | 470 | \$5.00 | \$2,350.00 |
| 3.14 * | 2599-9999010 | PEDESTRIAN TRAIL SIGNAGE | LS | 1 | \$5,000.00 | \$5,000.00 |
| 3.15 * | 2599-9999018 | TEMPORARY PAVEMENT, HMA, RECREATIONAL TRAIL | SY | 370 | \$50.00 | \$18,500.00 |
| 3.16 * | 2599-9999018 | REMOVAL OF TEMPORARY PAVEMENT, HMA, RECREATIONAL TRAIL | SY | 370 | \$25.00 | \$9,250.00 |
| 3.17 * | 2599-9999020 | TEMPORARY PAVEMENT, 4" HMA | TON | 120 | \$120.00 | \$14,400.00 |

Prepared By: Calhoun-Burns and Associates

Checked By: E. Hovda

TOTAL CONSTRUCTION COST \$2,500,000.00

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

* Estimate Total= \$693,670.75