



DATE May 23, 2016

ORDERING CONSTRUCTION OF
GRAND AVENUE BRIDGE OVER THE DES MOINES RIVER REPLACEMENT
AND FIXING A DATE FOR RECEIVING OF BIDS ON JUNE 21, 2016
AND PUBLIC HEARING ON JULY 11, 2016
ENGINEER'S ESTIMATE IS \$8,372,948.00

WHEREAS, this Council deems it advisable and necessary to construct the below referenced improvement, all in accordance with the plans and specifications, and has caused to be prepared plans, specifications, and form of contract, together with estimate of cost, which are now on file in the City Engineer's Office, 2nd Floor, City Administration Building, 400 E. Court Avenue, Des Moines, Iowa 50309, for public inspection for the construction of said improvements, and said plans, specifications and form of contract are deemed suitable for the making of said improvement, for which the State of Iowa Department of Transportation (IDOT) and the City of Des Moines, (CITY) have an agreement, previously approved by this Council, under which the IDOT has agreed to advertise, receive, open and tabulate sealed bids, and

WHEREAS, before said plans, specifications, form of contract, and estimated cost of the improvement may be approved, and contract for the construction of the improvement entered into, it is necessary to hold a public hearing.

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:

Grand Avenue Bridge over the Des Moines River Replacement, 12-2013-001
STP-U-1945(813)--70-77

The improvement includes removal of the existing bridge and substructure, construction of a new pretensioned prestressed concrete beam bridge on concrete pier and steel pile foundations, pedestrian rail and aesthetic metal panel facade, aesthetic LED lighting, pavement removal, new bridge approach pavement, sidewalk removal and replacement, erosion control, seeding and sodding, traffic control, pavement markings, and mobilization; all work in accordance with the contract documents including Plan File Nos. 571-203/321, on Grand Avenue over Des Moines River located between 2nd Avenue and Robert D. Ray Drive in Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$8,372,948.00. 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, Municipal Service Center, 1551 E. Martin Luther King Jr. Parkway, Des Moines, Iowa, at 5:00 p.m. on July 11, 2016, at which time this Council will consider any objections offered thereto or to the making of said improvement.



Roll Call Number

Agenda Item Number

7

DATE May 23, 2016

BE IT FURTHER RESOLVED: That proposals will be received by the Iowa Department of Transportation, for the construction of said improvements, and the taking of bids in the manner required by law. Proposals received will be opened and tabulated by the Iowa Department of Transportation on June 21, 2016, after which the bids together with a report and recommendation of the Chief Civil Engineer, will be presented to City Council at its next meeting for action thereon.

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

(City Council Communication Number 16-282 attached.)

Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE

Kathleen Vanderpool
Deputy City Attorney

Daniel E. Ritter
Des Moines Finance Director

ACE Funding Source: 2016-2017 CIP, Page Bridge - 10, Grand Avenue Bridge over the Des Moines River, BR047, Tax Increment Funds, Being: \$2,129,000 in Federal Highway Bridge Program funds (\$2,129,000 maximum) being 80% of eligible construction costs under STP-U-1945(813)--70-77, \$250,000 from various Utility Companies, and the remaining \$5,993,948 from BR047, Tax Increment Bonds

| COUNCIL ACTION | YEAS | NAYS | Pass | ABSENT |
|----------------|------|------|------|--------|
| COWNIE | | | | |
| COLEMAN | | | | |
| GATTO | | | | |
| GRAY | | | | |
| HENSLEY | | | | |
| MOORE | | | | |
| WESTERGAARD | | | | |
| TOTAL | | | | |

CERTIFICATE

I, DIANE RAUH, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, 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.

MOTION CARRIED APPROVED

Mayor

City Clerk

**Engineer's Opinion of Probable Construction Costs
Grand Avenue Bridge Over the Des Moines River Project**

| Item No. | Item Code | Item | Unit | Quantities | | | Total Quantity | Unit Price | Price | | | Total Price |
|----------|--------------|---|------|---------------------------------|----------------------------------|--------------------------------------|----------------|---------------|---------------------------------|----------------------------------|--------------------------------------|-----------------|
| | | | | Bridge Division 1 Participating | Roadway Division 1 Participating | Roadway Division 2 Non-Participating | | | Bridge Division 1 Participating | Roadway Division 1 Participating | Roadway Division 2 Non-Participating | |
| 1 | 2401-6745625 | Removal of Existing Bridge | LS | 1 | | | 1 | \$ 355,000.00 | \$ 355,000.00 | \$ - | \$ - | \$ 355,000.00 |
| 2 | 2401-6750001 | Removals as Per Plan | LS | 1 | | | 1 | \$ 25,000.00 | \$ 25,000.00 | \$ - | \$ - | \$ 25,000.00 |
| 3 | 2402-2720000 | Excavation, Class 20 | CY | 314 | | | 314 | \$ 20.00 | \$ 6,280.00 | \$ - | \$ - | \$ 6,280.00 |
| 4 | 2402-2721000 | Excavation, Class 21 | CY | 1,525 | | | 1,525 | \$ 197.00 | \$ 300,425.00 | \$ - | \$ - | \$ 300,425.00 |
| 5 | 2402-2722000 | Excavation, Class 22 | CY | 170 | | | 170 | \$ 225.00 | \$ 38,250.00 | \$ - | \$ - | \$ 38,250.00 |
| 6 | 2403-0100010 | Structural Concrete (Bridge) | CY | 2,178.3 | | | 2,178.3 | \$ 572.00 | \$ 1,245,987.60 | \$ - | \$ - | \$ 1,245,987.60 |
| 7 | 2403-7000210 | High Performance Structural Concrete | CY | 1,563.5 | | | 1,563.5 | \$ 648.00 | \$ 1,013,148.00 | \$ - | \$ - | \$ 1,013,148.00 |
| 8 | 2404-7775000 | Reinforcing Steel | LB | 227,189 | | | 227,189 | \$ 1.05 | \$ 238,548.45 | \$ - | \$ - | \$ 238,548.45 |
| 9 | 2404-7775005 | Reinforcing Steel, Epoxy Coated | LB | 485,439 | | | 485,439 | \$ 1.05 | \$ 509,710.95 | \$ - | \$ - | \$ 509,710.95 |
| 10 | 2407-0563100 | Beams, Pretensioned Prestressed Concrete, SBTC 100 | EACH | 24 | | | 24 | \$ 20,000.00 | \$ 480,000.00 | \$ - | \$ - | \$ 480,000.00 |
| 11 | 2407-0563120 | Beams, Pretensioned Prestressed Concrete, SBTC 120 | EACH | 24 | | | 24 | \$ 25,000.00 | \$ 600,000.00 | \$ - | \$ - | \$ 600,000.00 |
| 12 | 2408-7800000 | Structural Steel | LB | 51,699 | | | 51,699 | \$ 4.00 | \$ 206,796.00 | \$ - | \$ - | \$ 206,796.00 |
| 13 | 2404-6460000 | Ornamental Metal Rail | LF | 898 | | | 898 | \$ 280.00 | \$ 251,440.00 | \$ - | \$ - | \$ 251,440.00 |
| 14 | 2499-2300001 | Deck Drain | LS | 1 | | | 1 | \$ 10,000.00 | \$ 10,000.00 | \$ - | \$ - | \$ 10,000.00 |
| 15 | 2501-0201284 | Piles, Steel, HP12 x 84 | LF | 6,320 | | | 6,320 | \$ 65.00 | \$ 410,800.00 | \$ - | \$ - | \$ 410,800.00 |
| 16 | 2533-4980005 | Mobilization | LS | 1 | | | 1 | \$ 660,000.00 | \$ 660,000.00 | \$ - | \$ - | \$ 660,000.00 |
| 17 | 2536-6745045 | Removal of Asbestos | LS | 1 | | | 1 | \$ 5,000.00 | \$ 5,000.00 | \$ - | \$ - | \$ 5,000.00 |
| 18 | 2599-9999005 | Bridge Plaque | EACH | 2 | | | 2 | \$ 1,000.00 | \$ 2,000.00 | \$ - | \$ - | \$ 2,000.00 |
| 19 | 2599-9999009 | Concrete Coring at Abutment Piles | LF | 480 | | | 480 | \$ 800.00 | \$ 384,000.00 | \$ - | \$ - | \$ 384,000.00 |
| 20 | 2599-9999010 | Aesthetic Lighting | LS | 1 | | | 1 | \$ 283,000.00 | \$ 283,000.00 | \$ - | \$ - | \$ 283,000.00 |
| 21 | 2599-9999010 | Aesthetic Panels | LS | 1 | | | 1 | \$ 510,000.00 | \$ 510,000.00 | \$ - | \$ - | \$ 510,000.00 |
| 22 | 2301-0685550 | Bridge Approach Pavement, As Per Plan | SY | | 986 | | 986 | \$ 200.00 | | \$ 197,200.00 | \$ - | \$ 197,200.00 |
| 23 | 2315-8275025 | Surfacing, Driveway, Class A Crushed Stone | TON | | 30 | | 30 | \$ 40.00 | | \$ 1,200.00 | \$ - | \$ 1,200.00 |
| 24 | 2401-6750001 | Removals, As Per Plan | LS | 1 | | | 1 | \$ 1,500.00 | | \$ 1,500.00 | \$ - | \$ 1,500.00 |
| 25 | 2412-0000100 | Longitudinal Grooving in Concrete | SY | | 3,326 | | 3,326 | \$ 3.00 | | \$ 9,978.00 | \$ - | \$ 9,978.00 |
| 26 | 2506-4984000 | Flowable Mortar | CY | | 260 | | 260 | \$ 150.00 | | \$ 39,000.00 | \$ - | \$ 39,000.00 |
| 27 | 2510-6745850 | Removal of Pavement | SY | | 1,007 | | 1,007 | \$ 15.00 | | \$ 15,105.00 | \$ - | \$ 15,105.00 |
| 28 | 2511-0300000 | Removal of Recreational Trail | SY | | 179 | | 179 | \$ 15.00 | | \$ 2,685.00 | \$ - | \$ 2,685.00 |
| 29 | 2511-0301600 | Recreational Trail, HMA, 6 in. | SY | | 179 | | 179 | \$ 60.00 | | \$ 10,740.00 | \$ - | \$ 10,740.00 |
| 30 | 2511-0310100 | Special Compaction of Subgrade for Recreational Trail | STA | | 1.6 | | 1.6 | \$ 2,000.00 | | \$ 3,200.00 | \$ - | \$ 3,200.00 |
| 31 | 2511-6745900 | Removal of Sidewalk | SY | | 433 | | 433 | \$ 15.00 | | \$ 6,495.00 | \$ - | \$ 6,495.00 |
| 32 | 2511-7526006 | Sidewalk, PCC, 6 in. | SY | | 251 | | 251 | \$ 65.00 | | \$ 16,315.00 | \$ - | \$ 16,315.00 |
| 33 | 2515-6745600 | Removal of Paved Driveway | SY | | 40 | | 40 | \$ 15.00 | | \$ 600.00 | \$ - | \$ 600.00 |
| 34 | 2518-6910000 | Safety Closure | EACH | | 5 | | 5 | \$ 250.00 | | \$ 1,250.00 | \$ - | \$ 1,250.00 |
| 35 | 2519-3300700 | Fence, Temporary | LF | | 594 | | 594 | \$ 25.00 | | \$ 14,850.00 | \$ - | \$ 14,850.00 |
| 36 | 2519-4200190 | Removal of Fence, Temporary | LF | | 594 | | 594 | \$ 5.00 | | \$ 2,970.00 | \$ - | \$ 2,970.00 |
| 37 | 2523-0000310 | Handholes and Junction Boxes | EACH | | 5 | | 5 | \$ 3,500.00 | | \$ 17,500.00 | \$ - | \$ 17,500.00 |
| 38 | 2523-6765009 | Remove and Reinstall Light Pole and Luminaire | EACH | | 3 | | 3 | \$ 900.00 | | \$ 2,700.00 | \$ - | \$ 2,700.00 |

| | | | | | | | | | | | | |
|----|--------------|--|------|--|-------|-------|-------|--------------|--|--------------|---------------|---------------|
| 39 | 2524-6765010 | Remove and Reinstall Sign As Per Plan | EACH | | 1 | | 1 | \$ 1,000.00 | | \$ 1,000.00 | \$ - | \$ 1,000.00 |
| 40 | 2527-9263117 | Painted Pavement Marking, Durable | STA | | 79.5 | | 79.5 | \$ 100.00 | | \$ 7,950.00 | \$ - | \$ 7,950.00 |
| 41 | 2527-9263143 | Painted Symbols and Legends, Durable | EACH | | 8 | | 8 | \$ 120.00 | | \$ 960.00 | \$ - | \$ 960.00 |
| 42 | 2527-9263180 | Pavement Markings Removed | STA | | 60.5 | | 60.5 | \$ 45.00 | | \$ 2,722.50 | \$ - | \$ 2,722.50 |
| 43 | 2527-9263190 | Symbols and Legends Removed | EACH | | 8 | | 8 | \$ 100.00 | | \$ 800.00 | \$ - | \$ 800.00 |
| 44 | 2527-9270111 | Grooves Cut for Pavement Markings | STA | | 79.5 | | 79.5 | \$ 105.00 | | \$ 8,347.50 | \$ - | \$ 8,347.50 |
| 45 | 2527-9270120 | Grooves Cut for Symbols and Legends | EACH | | 8 | | 8 | \$ 125.00 | | \$ 1,000.00 | \$ - | \$ 1,000.00 |
| 46 | 2528-8445110 | Traffic Control | LS | | 1 | | 1 | \$ 35,000.00 | | \$ 35,000.00 | \$ - | \$ 35,000.00 |
| 47 | 2528-9290050 | Portable Dynamic Message Sign (PDMS) | CDAY | | 160 | | 160 | \$ 65.00 | | \$ 10,400.00 | \$ - | \$ 10,400.00 |
| 48 | 2599-9999005 | Adjustment of Fixtures | EACH | | 1 | | 1 | \$ 400.00 | | \$ 400.00 | \$ - | \$ 400.00 |
| 49 | 2599-9999005 | Emergency Removal / Replacement of Construction Access | EACH | | 1 | | 1 | \$ 50,000.00 | | \$ 50,000.00 | \$ - | \$ 50,000.00 |
| 50 | 2599-9999005 | Inlet Protection Device, Drop-In | EACH | | 2 | | 2 | \$ 180.00 | | \$ 360.00 | \$ - | \$ 360.00 |
| 51 | 2599-9999005 | Inlet Protection Device, Maintenance | EACH | | 24 | | 24 | \$ 200.00 | | \$ 4,800.00 | \$ - | \$ 4,800.00 |
| 52 | 2599-9999005 | Inlet Protection Device, Open Throat | EACH | | 1 | | 1 | \$ 25.00 | | \$ 25.00 | \$ - | \$ 25.00 |
| 53 | 2599-9999009 | 2 in. Fiberglass Conduit | LF | | | 529 | 529 | \$ 12.00 | | \$ - | \$ 6,348.00 | \$ 6,348.00 |
| 54 | 2599-9999009 | 2 in. Rigid Steel Conduit | LF | | 113 | 4,442 | 4,555 | \$ 15.00 | | \$ 1,695.00 | \$ 66,630.00 | \$ 68,325.00 |
| 55 | 2599-9999009 | 2 in. SCH 40 PVC Conduit | LF | | | 1,647 | 1,647 | \$ 10.00 | | \$ - | \$ 16,470.00 | \$ 16,470.00 |
| 56 | 2599-9999009 | 5 in. Fiberglass Conduit | LF | | | 3,174 | 3,174 | \$ 70.00 | | \$ - | \$ 222,180.00 | \$ 222,180.00 |
| 57 | 2599-9999009 | 5 in. Rigid Steel Conduit | LF | | | 95 | 95 | \$ 80.00 | | \$ - | \$ 7,600.00 | \$ 7,600.00 |
| 58 | 2599-9999010 | Remove and Reinstall HAWK Signal | LS | | 1 | | 1 | \$ 6,000.00 | | \$ 6,000.00 | \$ - | \$ 6,000.00 |
| 59 | 2599-9999018 | Colored PCC, 8 in. | SY | | 98 | | 98 | \$ 150.00 | | \$ 14,700.00 | \$ - | \$ 14,700.00 |
| 60 | 2601-2634105 | Mulching, Bonded Fiber Matrix | ACRE | | 0.5 | | 0.5 | \$ 3,000.00 | | \$ 1,500.00 | \$ - | \$ 1,500.00 |
| 61 | 2601-2639010 | Sodding | SQ | | 90 | | 90 | \$ 70.00 | | \$ 6,300.00 | \$ - | \$ 6,300.00 |
| 62 | 2601-2642100 | Stabilizing Crop - Seeding and Fertilizing | ACRE | | 0.5 | | 0.5 | \$ 2,100.00 | | \$ 1,050.00 | \$ - | \$ 1,050.00 |
| 63 | 2601-2643110 | Watering for Sod, Special Ditch Control, or Slope Protection | MGAL | | 10 | | 10 | \$ 100.00 | | \$ 1,000.00 | \$ - | \$ 1,000.00 |
| 64 | 2601-2643300 | Mobilization for Watering | EACH | | 10 | | 10 | \$ 350.00 | | \$ 3,500.00 | \$ - | \$ 3,500.00 |
| 65 | 2602-0000020 | Silt Fence | LF | | 884 | | 884 | \$ 3.00 | | \$ 2,652.00 | \$ - | \$ 2,652.00 |
| 66 | 2602-0000071 | Removal of Silt Fence | LF | | 884 | | 884 | \$ 1.00 | | \$ 884.00 | \$ - | \$ 884.00 |
| 67 | 2602-0000309 | Perimeter and Slope Sediment Control Device, 9 in. Dia. | LF | | 1,000 | | 1,000 | \$ 5.00 | | \$ 5,000.00 | \$ - | \$ 5,000.00 |
| 68 | 2602-0000350 | Removal of Perimeter and Slope Sediment Control Device | LF | | 1,000 | | 1,000 | \$ 1.00 | | \$ 1,000.00 | \$ - | \$ 1,000.00 |
| 69 | 2602-0010010 | Mobilizations, Erosion Control | EACH | | 10 | | 10 | \$ 500.00 | | \$ 5,000.00 | \$ - | \$ 5,000.00 |
| 70 | 2602-0010020 | Mobilizations, Emergency Erosion Control | EACH | | 1 | | 1 | \$ 1,000.00 | | \$ 1,000.00 | \$ - | \$ 1,000.00 |

Subtotal = \$ 7,535,386.00 \$ 518,334.00 \$ 319,228.00 \$ 8,372,948.00

Total = \$8,372,948.00