Roll Call Number

DATE October 5, 2020

Agenda Item Number

ORDERING CONSTRUCTION OF
2021 TRAFFIC SIGNAL REPLACEMENT CONTRACT 1
AND FIXING A DATE FOR RECEIVING OF BIDS ON OCTOBER 20, 2020
AND PUBLIC HEARING ON NOVEMBER 23, 2020
ENGINEER'S ESTIMATE IS \$618,000.00

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:

2021 Traffic Signal Replacement Contract 1, 042021008

The improvement includes new traffic signals, vehicle detector loops, Portland Cement Concrete (PCC) pavement, PCC sidewalks, pavement markings, modular block retaining wall, and other incidental items; all in accordance with the contract documents, including Plan File Nos. 619-245/281, located at the intersection of 56th Street and Grand Avenue and the intersection of 42nd Street and Grand Avenue, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$618,000.00. 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 MSC Board Room, 2nd Floor, Municipal Service Center, 1551 E. Martin Luther King Jr. Parkway, Des Moines, Iowa, at 5:00 p.m. on November 23, 2020, 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 October 20, 2020, 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 October 20, 2020, 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.

A
M

Roll Call Number

Agenda Item Number

5A

DATE October 5, 2020

Deputy City Attorney

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.

Funding Source: 2020-2021 CIP, Page Street - 52, Traffic Signals - Replacement, TR091

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
WESTERGAARD				
GRAY				
BOESEN				
VOSS				
MANDELBAUM				
GATTO				
TOTAL				
MOTION CARRIED				APPROVED

I, P. Kay Cmelik, 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.

Interim Des Moines Finance Director

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

Mayor

City Clerk

CONSTRUCTION ESTIMATE

6A

DEPARTMENT OF ENGINEERING CITY OF DES MOINES, IOWA

Activity ID 04-2021-008

DATE: 9/11/2020

PROJECT: 2021 Traffic Signal Replacement Contract 1

NO. TIEM CODE DESCRIPTION UNIT TOTAL UNIT PRICE TOTAL
2010-108-D-3 Topsoil, Offsite CY 3 \$75.00 \$225
0002 * 2010-108-E-0 Excavation, Class 10 CY 11 \$150.00 \$1,650.00 0003 6010-108-E-0 Manhole Adjustment, Minor EA 1 \$750.00 \$755.00 0004 7010-108-E-0 Curb and Gutter, 2.0 Ft, 9 In LF 18 \$75.00 \$1,350 0005 * 7030-108-A-0 Removal of Sidewalk SY 172.1 \$30.00 \$5,163 0006 7030-108-E-0 Sidewalk, PCC, 4 In SY 125.9 \$115.00 \$14,478 0007 7030-108-E-0 Sidewalk, PCC, 6 In SY 72.8 \$120.00 \$8,736 0008 7030-108-C-0 Detectable Warning SF 120 \$70.00 \$8,400 0009 7040-108-A-0 Full Depth Patches, PCC Finish SY 100.2 \$350.00 \$35,070 0010 8010-108-A-0 Curb and Gutter Removal LF 18 \$40.00 \$720 0011 8010-108-A-0 Traffic Signalization LS 1 \$430,000.00 \$40,000.00 \$10,800 0012 8020-108-B-0 Painted Pavement Markings, Durable Epoxy STA 21.6
0003 8010-108-E-0 Manhole Adjustment, Minor EA 1 \$750.00 \$750.00 0004 7010-108-E-0 Curb and Gutter; 2.0 Ft, 9 In LF 18 \$75.00 \$1,350 0005 * 7030-108-A-0 Removal of Sidewalk SY 172.1 \$30.00 \$5,163 0006 * 7030-108-E-0 Sidewalk, PCC, 4 In SY 125.9 \$115.00 \$14,478 0007 * 7030-108-E-0 Sidewalk, PCC, 6 In SY 72.8 \$120.00 \$8,736 0008 * 7030-108-E-0 Detectable Warning SF 120 \$70.00 \$8,400 0009 * 7040-108-A-0 Pull Depth Patches, PCC Finish SY 100.2 \$350.00 \$35,070 0010 * 7040-108-A-0 Curb and Gutter Removal LF 18 \$40.00 \$720 0011 * 8010-108-A-0 Traffic Signalization LS 1 \$430,000.0 \$430,000 0012 * 8020-108-B-0 Painted Pavement Markings, Durable Epoxy STA 21.6 \$500.00 \$10,800 0013 * 8030-108-A-0 Traffic Control LS 1 \$20,000.00 <
0004 7010-108-E-0 Curb and Gutter, 2.0 Ft, 9 In LF 18 \$75.00 \$1,350 0005 * 7030-108-A-0 Removal of Sidewalk SY 172.1 \$30.00 \$5,163 0006 7030-108-E-0 Sidewalk, PCC, 4 In SY 125.9 \$115.00 \$14,478 0007 7030-108-E-0 Sidewalk, PCC, 6 In SY 72.8 \$120.00 \$8,736 0008 7030-108-G-0 Detectable Warning SF 120 \$70.00 \$8,400 0009 7040-108-A-0 Full Depth Patches, PCC Finish SY 100.2 \$350.00 \$35,070 0010 * 7040-108-A-0 Full Depth Patches, PCC Finish SY 100.2 \$350.00 \$35,070 0011 8010-108-A-0 Traffic Signalization LS 1 \$430,000.00 \$430,000 0012 8020-108-B-0 Painted Pavement Markings, Durable Epoxy STA 21.6 \$500.00 \$10,800 0013 * 8030-108-A-0 Traffic Control LS 1 \$20,000 \$20,000
0005 * 7030-108-A-0 Removal of Sidewalk SY 172.1 \$30.00 \$5,163 0006 7030-108-E-0 Sidewalk, PCC, 4 In SY 125.9 \$115.00 \$14,478 0007 7030-108-E-0 Sidewalk, PCC, 6 In SY 72.8 \$120.0 \$8,736 0008 7030-108-G-0 Detectable Warning SF 120 \$70.00 \$8,400 0009 7040-108-A-0 Full Depth Patches, PCC Finish SY 100.2 \$350.00 \$35,070 0010 * 7040-108-A-0 Curb and Gutter Removal LF 18 \$430,000.00 \$430,000.00 0011 8010-108-A-0 Traffic Signalization LS 1 \$430,000.00 \$400,000.00 0012 8020-108-B-0 Painted Pavement Markings, Durable Epoxy STA 21.6 \$500.00 \$10,800 0013 8030-108-A-0 Traffic Control LS 1 \$20,000.00 \$20,000 0014 9010-108-A-0 Hydraulic Seeding, Seeding, Fertilizing, and Type 4 (Urban Temp Erosion Control) AC 0.04 \$40,000.00 \$1,600 0016 9040-108-D-1 Filter Sock, 6 In LF 250 \$3.00 \$2,500 0017 9040-108-D-2 Filter Sock, Removal
0006 7030-108-E-0 Sidewalk, PCC, 4 In SY 125.9 \$115.00 \$14,478 0007 7030-108-E-0 Sidewalk, PCC, 6 In SY 72.8 \$120.00 \$8,736 0008 7030-108-G-0 Detectable Warning SF 120 \$70.00 \$8,400 0009 7040-108-A-0 Full Depth Patches, PCC Finish SY 100.2 \$350.00 \$35,070 0010 * 7040-108-A-0 Curb and Gutter Removal LF 18 \$40.00 \$720 0011 8010-108-A-0 Traffic Signalization LS 1 \$430,000.00 \$430,000 0012 8020-108-B-0 Painted Pavement Markings, Durable Epoxy STA 21.6 \$500.00 \$10,800 0013 * 8030-108-A-0 Traffic Control LS 1 \$20,000.00 \$20,000 0014 * 9010-108-A-0 Hydraulic Seeding, Seeding, Fertilizing, and Type 4 (Urban Temp Erosion Control) AC 0.04 \$40,000.00 \$16,00 0015 * 9020-108-A-0 Bydicale Seeding, Seeding, Seeding, Seeding, Seeding, Seeding, Seeding,
0007 7030-108-E-0 Sidewalk, PCC, 6 In SY 72.8 \$120.00 \$8,736 0008 7030-108-G-0 Detectable Warning SF 120 \$70.00 \$8,400 0009 7040-108-A-0 Full Depth Patches, PCC Finish SY 100.2 \$350.00 \$350.00 0010 * 7040-108-A-0 Curb and Gutter Removal LF 18 \$40.00 \$720 0011 8010-108-A-0 Traffic Signalization LS 1 \$430,000.00 \$430,000 0012 8020-108-B-0 Painted Pavement Markings, Durable Epoxy STA 21.6 \$500.00 \$10,800 0013 * 8030-108-A-0 Traffic Control LS 1 \$20,000.00 \$20,000 0014 * 9010-108-A-0 Hydraulic Seeding, Seeding, Fertilizing, and Type 4 (Urban Temp Erosion Control) AC 0.04 \$40,000.00 \$1,600 0015 * 9020-108-A-0 Sod SQ 20 \$125.00 \$2,500 0016 * 9040-108-D-1 Filter Sock, 6 In LF 250 \$1.00
0008 7030-108-G-0 Detectable Warning SF 120 \$70.00 \$8,400 0009 7040-108-A-0 Full Depth Patches, PCC Finish SY 100.2 \$350.00 \$350.00 0010 * 7040-108-A-0 Curb and Gutter Removal LF 18 \$40.00 \$720 0011 8010-108-A-0 Traffic Signalization LS 1 \$430,000.00 \$430,000 0012 8020-108-B-0 Painted Pavement Markings, Durable Epoxy STA 21.6 \$500.00 \$10,800 0013 * 8030-108-B-0 Painted Pavement Markings, Durable Epoxy STA 21.6 \$500.00 \$10,800 0014 * 9010-108-B-0 Hydraulic Seeding, Seeding, Fertilizing, and Type 4 (Urban Temp Erosion Control) AC 0.04 \$40,000.00 \$1,600 0015 * 9020-108-A-0 Sod SQ 20 \$125.00 \$2,500 0016 * 9040-108-D-1 Filter Sock, 6 In LF 250 \$1.00 \$250 0018 * 9070-108-A-0 Modular Block Retaining Wall SF 68.
0009 7040-108-A-0 Full Depth Patches, PCC Finish SY 100.2 \$350.00 \$35,070 0010 * 7040-108-I-0 Curb and Gutter Removal LF 18 \$40.00 \$720 0011 8010-108-A-0 Traffic Signalization LS 1 \$430,000.00 \$430,000 0012 8020-108-B-0 Painted Pavement Markings, Durable Epoxy STA 21.6 \$500.00 \$10,800 0013 * 8030-108-A-0 Traffic Control LS 1 \$20,000.00 \$20,000 0014 * 9010-108-A-0 Hydraulic Seeding, Seeding, Fertilizing, and Type 4 (Urban Temp Erosion Control) AC 0.04 \$40,000.00 \$1,600 0015 * 9020-108-A-0 Sod SQ 20 \$125.00 \$2,500 0016 * 9040-108-D-1 Filter Sock, 6 In LF 250 \$3.00 \$750 0017 * 9040-108-D-2 Filter Sock, Removal LF 250 \$1.00 \$250 0018 * 9070-108-A-0 Modular Block Retaining Wall SF 68.4 \$80.00
0010 * 7040-108-I-0 Curb and Gutter Removal LF 18 \$40.00 \$720 0011 8010-108-A-0 Traffic Signalization LS 1 \$430,000.00 \$430,000 0012 8020-108-B-0 Painted Pavement Markings, Durable Epoxy STA 21.6 \$500.00 \$10,800 0013 * 8030-108-A-0 Traffic Control LS 1 \$20,000.00 \$20,000 0014 * 9010-108-A-0 Hydraulic Seeding, Seeding, Fertilizing, and Type 4 (Urban Temp Erosion Control) AC 0.04 \$40,000.00 \$1,600 0015 * 9020-108-A-0 Sod SQ 20 \$125.00 \$2,500 0016 * 9040-108-D-1 Filter Sock, 6 In LF 250 \$3.00 \$750 0018 * 9040-108-D-2 Filter Sock, Removal LF 250 \$1.00 \$250 0018 * 9070-108-A-0 Modular Block Retaining Wall SF 68.4 \$80.00 \$5,472 0019 * 9070-999-A-0 Retaining Wall, Removal LF 28 \$15.00
0011 8010-108-A-0 Traffic Signalization LS 1 \$430,000.00 \$430,000.00 0012 8020-108-B-0 Painted Pavement Markings, Durable Epoxy STA 21.6 \$500.00 \$10,800 0013 8030-108-A-0 Traffic Control LS 1 \$20,000.00 \$20,000 0014 9010-108-A-0 Hydraulic Seeding, Seeding, Fertilizing, and Type 4 (Urban Temp Erosion Control) AC 0.04 \$40,000.00 \$1,600 0015 9020-108-A-0 Sod SQ 20 \$125.00 \$2,500 0016 9040-108-D-1 Filter Sock, 6 In LF 250 \$3.00 \$750 0017 9040-108-D-2 Filter Sock, Removal LF 250 \$1.00 \$250 0018 9070-108-A-0 Modular Block Retaining Wall SF 68.4 \$80.00 \$5,472 0019 9070-999-A-0 Retaining Wall, Removal LF 28 \$15.00 \$420 0020 11,010-108-A Construction Survey LS 1 \$10,000.00 \$10,00
0012 8020-108-B-0 Painted Pavement Markings, Durable Epoxy STA 21.6 \$500.00 \$10,800 0013 * 8030-108-A-0 Traffic Control LS 1 \$20,000.00 \$20,000 0014 * 9010-108-A-0 Hydraulic Seeding, Seeding, Fertilizing, and Type 4 (Urban Temp Erosion Control) AC 0.04 \$40,000.00 \$1,600 0015 * 9020-108-A-0 Sod SQ 20 \$125.00 \$2,500 0016 * 9040-108-D-1 Filter Sock, 6 In LF 250 \$3.00 \$750 0017 * 9040-108-D-2 Filter Sock, Removal LF 250 \$1.00 \$250 0018 * 9070-108-A-0 Modular Block Retaining Wall SF 68.4 \$80.00 \$5,472 0019 * 9070-999-A-0 Retaining Wall, Removal LF 28 \$15.00 \$420 0020 * 11,010-108-A Construction Survey LS 1 \$10,000.00 \$10,000
0013 * 8030-108-A-0 Traffic Control LS 1 \$20,000.00 \$20,000 0014 * 9010-108-A-0 Hydraulic Seeding, Seeding, Fertilizing, and Type 4 (Urban Temp Erosion Control) AC 0.04 \$40,000.00 \$1,600 0015 * 9020-108-A-0 Sod SQ 20 \$125.00 \$2,500 0016 * 9040-108-D-1 Filter Sock, 6 In LF 250 \$3.00 \$750 0017 * 9040-108-D-2 Filter Sock, Removal LF 250 \$1.00 \$250 0018 * 9070-108-A-0 Modular Block Retaining Wall SF 68.4 \$80.00 \$5,472 0019 * 9070-999-A-0 Retaining Wall, Removal LF 28 \$15.00 \$420 0020 * 11,010-108-A Construction Survey LS 1 \$10,000.00 \$10,000
0014 * 9010-108-A-0 Hydraulic Seeding, Seeding, Fertilizing, and Type 4 (Urban Temp Erosion Control) AC 0.04 \$40,000.00 \$1,600 0015 * 9020-108-A-0 Sod SQ 20 \$125.00 \$2,500 0016 * 9040-108-D-1 Filter Sock, 6 In LF 250 \$3.00 \$750 0017 * 9040-108-D-2 Filter Sock, Removal LF 250 \$1.00 \$250 0018 * 9070-108-A-0 Modular Block Retaining Wall SF 68.4 \$80.00 \$5,472 0019 * 9070-999-A-0 Retaining Wall, Removal LF 28 \$15.00 \$420 0020 * 11,010-108-A Construction Survey LS 1 \$10,000.00 \$10,000
0015 * 9020-108-A-0 Sod SQ 20 \$125.00 \$2,500 0016 * 9040-108-D-1 Filter Sock, 6 In LF 250 \$3.00 \$750 0017 * 9040-108-D-2 Filter Sock, Removal LF 250 \$1.00 \$250 0018 * 9070-108-A-0 Modular Block Retaining Wall SF 68.4 \$80.00 \$5,472 0019 * 9070-999-A-0 Retaining Wall, Removal LF 28 \$15.00 \$420 0020 * 11,010-108-A Construction Survey LS 1 \$10,000.00 \$10,000
0016 * 9040-108-D-1 Filter Sock, 6 In LF 250 \$3.00 \$750 0017 * 9040-108-D-2 Filter Sock, Removal LF 250 \$1.00 \$250 0018 * 9070-108-A-0 Modular Block Retaining Wall SF 68.4 \$80.00 \$5,472 0019 * 9070-999-A-0 Retaining Wall, Removal LF 28 \$15.00 \$420 0020 * 11,010-108-A Construction Survey LS 1 \$10,000.00 \$10,000
0017 * 9040-108-D-2 Filter Sock, Removal LF 250 \$1.00 \$250 0018 * 9070-108-A-0 Modular Block Retaining Wall SF 68.4 \$80.00 \$5,472 0019 * 9070-999-A-0 Retaining Wall, Removal LF 28 \$15.00 \$420 0020 * 11,010-108-A Construction Survey LS 1 \$10,000.00 \$10,000
0018 * 9070-108-A-0 Modular Block Retaining Wall SF 68.4 \$80.00 \$5,472 0019 * 9070-999-A-0 Retaining Wall, Removal LF 28 \$15.00 \$420 0020 * 11,010-108-A Construction Survey LS 1 \$10,000.00 \$10,000
0019 * 9070-999-A-0 Retaining Wall, Removal LF 28 \$15.00 \$420 0020 * 11,010-108-A Construction Survey LS 1 \$10,000.00 \$10,000
0020 * 11,010-108-A Construction Survey LS 1 \$10,000.00 \$10,000
0021 * 11,020-108-A Mobilization LS 1 \$50,065.50 \$50,065
0022 * 11,050-108-A-0 Concrete Washout LS 1 \$3,000.00 \$3,000
0023 * 0000-999-A Uniformed Police Officer DAY 12 \$550.00 \$6,600
Prepared By: Joseph Eddy
Checked By: TOTAL CONSTRUCTION COST \$618,000

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

* Estimate Total= \$108,190.50