



**Roll Call Number**

**Agenda Item Number**

6 C

DATE December 21, 2020

ORDERING CONSTRUCTION OF  
INGERSOLL AVENUE 42ND STREET TO POLK BOULEVARD RECONSTRUCTION  
AND FIXING A DATE FOR RECEIVING OF BIDS ON JANUARY 20, 2021  
AND PUBLIC HEARING ON FEBRUARY 22, 2021  
ENGINEER'S ESTIMATE IS \$3,620,000.00

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 Hall, 400 Robert D. Ray Drive, 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:

Ingersoll Avenue 42nd Street to Polk Boulevard Reconstruction, 062019014  
STBG-SWAP-1945(853)-SG-77

The improvement includes construction of Portland Cement Concrete (PCC) sidewalks, driveways, and Hot Mix Asphalt (HMA) paving, clearing and grubbing, earthwork, modified subbase, subdrains, erosion control, storm sewers, intakes, manholes, traffic control, traffic signals, permeable pavers, pavement markings, and surface restoration; all in accordance with the contract documents, including Plan File Nos. 620-174/272, on Ingersoll Avenue from Polk Boulevard to 42nd Street, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$3,620,000.00. 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 February 22, 2021, at which time this Council will consider any objections offered thereto or to the making of said improvement.



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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 January 20, 2021, 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 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 20-546 attached.)

Moved by \_\_\_\_\_ to adopt.

FORM APPROVED:

FUNDS AVAILABLE

s/Kathleen Vanderpool

Kathleen Vanderpool  
Deputy City Attorney

Nickolas J. Schaul

Nickolas J. Schaul  
Director of Finance

SLN

Funding Source: 2020-2021 CIP, Page Street – 33, Roadway Reconstruction, ST260, Being: \$1,000,000 in Surface Transportation Block Program Federal-aid Swap Project funds being 80% eligible roadway construction costs under STBG-SWAP-1945(853)—SG-77 DOT SWAP, \$210,650 Storm Water Utility Funds, \$164,918.60 Des Moines Water Works, and the remaining \$2,244,431.40 in G.O. Bonds

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.

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

DEPARTMENT OF ENGINEERING  
CITY OF DES MOINES, IOWA

Activity ID 06-2019-014  
STBG-SWAP-1945(853)-SG-77  
DATE: 11/30/2020

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**PROJECT: INGERSOLL AVENUE RECONSTRUCTION POLK BOULEVARD TO 42ND ST**

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
0001	CLEARING AND GRUBBING	UNIT	159.00	\$ 88.00	\$13,992.00
0002	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	700.00	\$ 11.00	\$7,700.00
0003	EXCAVATION, CLASS 10, WASTE	CY	3600.00	\$ 22.00	\$79,200.00
0004	TOPSOIL, FURNISH AND SPREAD	CY	1000.00	\$ 22.00	\$22,000.00
0005	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	500.00	\$ 16.50	\$8,250.00
0006	COMPACTION WITH MOISTURE AND DENSITY CONTROL	CY	226.00	\$ 11.00	\$2,486.00
0007	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID	SY	3000.00	\$ 4.40	\$13,200.00
0008	MODIFIED SUBBASE	CY	1847.00	\$ 88.00	\$162,536.00
0009	SHOULDER CONSTRUCTION, EARTH	STA	45.00	\$ 550.00	\$24,750.00
0010	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C,	SY	5060.00	\$ 77.00	\$389,620.00
0011	PORTLAND CEMENT CONCRETE PAVEMENT SAMPLES	LS	1.00	\$ 5,500.00	\$5,500.00
0012	HOT MIX ASPHALT STANDARD TRAFFIC, BASE COURSE, 3/4 IN. MIX	TON	1200.00	\$ 66.00	\$79,200.00
0013	HOT MIX ASPHALT STANDARD TRAFFIC, INTERMEDIATE COURSE, 1/2 IN. MIX	TON	605.00	\$ 66.00	\$39,930.00
0014	HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQUIREMENT	TON	605.00	\$ 77.00	\$46,585.00
0015	ASPHALT BINDER, PG 58-28S, STANDARD TRAFFIC	TON	72.00	\$ 550.00	\$39,600.00
0016	ASPHALT BINDER, PG 58-28H, HIGH TRAFFIC	TON	73.00	\$ 550.00	\$40,150.00
0017	HOT MIX ASPHALT PAVEMENT SAMPLES	LS	1.00	\$ 5,500.00	\$5,500.00
0018	REMOVAL OF SIGN	EACH	27.00	\$ 220.00	\$5,940.00
0019	REMOVALS, AS'ER PLAN	LS	1.00	\$ 5,500.00	\$5,500.00
0020	MODULAR BLOCK RETAINING WALL	SF	600.00	\$ 88.00	\$52,800.00
0021	MANHOLE, STORM SEWER, SW-401, 48 IN.	EACH	1.00	\$ 5,500.00	\$5,500.00
0022	MANHOLE, STORM SEWER, SW-401, 60 IN.	EACH	4.00	\$ 8,800.00	\$35,200.00
0023	MANHOLE, STORM SEWER, SW-401, 72 IN.	EACH	1.00	\$ 11,000.00	\$11,000.00
0024	MANHOLE, STORM SEWER, SW-402	EACH	1.00	\$ 11,000.00	\$11,000.00
0025	MANHOLE, STORM SEWER, SW-403	EACH	3.00	\$ 22,000.00	\$66,000.00
0026	INTAKE, SW-501	EACH	2.00	\$ 4,400.00	\$8,800.00
0027	INTAKE, SW-505	EACH	2.00	\$ 6,600.00	\$13,200.00
0028	INTAKE, SW-506	EACH	3.00	\$ 8,800.00	\$26,400.00
0029	INTAKE, SW-509	EACH	12.00	\$ 9,900.00	\$118,800.00
0030	INTAKE, SW-510	EACH	1.00	\$ 11,000.00	\$11,000.00
0031	MANHOLE ADJUSTMENT, MINOR	EACH	7.00	\$ 1,100.00	\$7,700.00
0032	CONNECTION TO EXISTING MANHOLE	EACH	1.00	\$ 1,650.00	\$1,650.00
0033	SUBDRAIN, LONGITUDINAL, (SHOULDER) 6 IN. DIA.	LF	2827.00	\$ 16.50	\$46,645.50
0034	SUBDRAIN, PERFORATED PLASTIC PIPE, 4 IN. DIA.	LF	380.00	\$ 11.00	\$4,180.00
0035	SUBDRAIN OUTLET, DR-303	EACH	26.00	\$ 440.00	\$11,440.00
0036	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 15 IN.	LF	316.00	\$ 88.00	\$27,808.00
0037	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 18 IN.	LF	213.00	\$ 99.00	\$21,087.00
0038	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 24 IN.	LF	517.00	\$ 110.00	\$56,870.00
0039	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 30 IN.	LF	75.00	\$ 148.50	\$11,137.50
0040	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 36 IN.	LF	319.00	\$ 187.00	\$59,653.00
0041	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 15 IN.	LF	70.00	\$ 88.00	\$6,160.00
0042	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 18 IN.	LF	210.00	\$ 99.00	\$20,790.00
0043	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 30 IN.	LF	455.00	\$ 154.00	\$70,070.00
0044	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3750D (CLASS V), 36 IN.	LF	50.00	\$ 198.00	\$9,900.00
0045	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3750D (CLASS V), 42 IN.	LF	34.00	\$ 220.00	\$7,480.00
0046	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	1234.00	\$ 22.00	\$27,148.00
0047	STORM SEWER ABANDONMENT, FILL AND PLUG, LESS THAN OR EQUAL TO 36 IN. DIA.	LF	351.00	\$ 55.00	\$19,305.00
0048	ENGINEERING FABRIC	SY	2336.00	\$ 5.50	\$12,848.00
0049	REMOVAL OF PAVEMENT	SY	13795.00	\$ 22.00	\$303,490.00
0050	REMOVAL OF INTAKES AND UTILITY ACCESSES	EACH	15.00	\$ 1,100.00	\$16,500.00
0051	REMOVAL OF SIDEWALK	SY	1483.00	\$ 22.00	\$32,626.00
0052	SIDEWALK, P.C. CONCRETE, 4 IN.	SY	2120.00	\$ 55.00	\$116,600.00
0053	SIDEWALK, P.C. CONCRETE, 6 IN.	SY	192.00	\$ 60.50	\$11,616.00
0054	DETECTABLE WARNINGS	SF	260.00	\$ 66.00	\$17,160.00
0055	CURB AND GUTTER, P.C. CONCRETE, 1.5 FT.	LF	1050.00	\$ 55.00	\$57,750.00
0056	CURB AND GUTTER, P.C. CONCRETE, 3.0 FT.	LF	198.00	\$ 66.00	\$13,068.00
0057	DRIVEWAY, P.C. CONCRETE, 6 IN.	SY	1070.00	\$ 55.00	\$58,850.00

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NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
0058	REMOVAL OF PAVED DRIVEWAY	SY	828.00	\$ 22.00	\$18,216.00
0059	REMOVAL AND REINSTALLATION OF FENCE, CHAIN LINK	LF	20.00	\$ 110.00	\$2,200.00
0060	REMOVE AND REINSTALL SIGN AS PER PLAN	EACH	28.00	\$ 440.00	\$12,320.00
0061	PERFORATED SQUARE STEEL TUBE POSTS	LF	50.00	\$ 27.50	\$1,375.00
0062	TYPE A SIGNS, SHEET ALUMINUM	SF	51.00	\$ 44.00	\$2,244.00
0063	TRAFFIC SIGNALIZATION	LS	1.00	\$ 5,500.00	\$5,500.00
0064	CONSTRUCTION SURVEY	LS	1.00	\$ 16,500.00	\$16,500.00
0065	PAINTED PAVEMENT MARKINGS, DURABLE	STA	94.25	\$ 176.00	\$16,588.00
0066	PERMANENT TAPE MARKINGS, PROFILED PAVEMENT MARKING TAPE	STA	35.33	\$ 220.00	\$7,772.60
0067	PAINTED SYMBOLS AND LEGENDS, DURABLE	EACH	26.00	\$ 385.00	\$10,010.00
0068	GROOVES CUT FOR PAVEMENT MARKINGS	STA	129.58	\$ 55.00	\$7,126.90
0069	GROOVES CUT FOR SYMBOLS AND LEGENDS	EACH	26.00	\$ 220.00	\$5,720.00
0070	SAFETY CLOSURE	EACH	26.00	\$ 330.00	\$8,580.00
0071	TRAFFIC CONTROL	LS	1.00	\$ 22,000.00	\$22,000.00
0072	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	CDAY	14.00	\$ 220.00	\$3,080.00
0073	MOBILIZATION	LS	1.00	\$167,772.90	\$167,772.90
0074	TRENCH FOUNDATION	TON	200.00	\$ 71.50	\$14,300.00
0075	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	CY	200.00	\$ 88.00	\$17,600.00
0076	WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 8 IN.	LF	120.00	\$ 110.00	\$13,200.00
0077	WATER MAIN, TRENCHED, DUCTILE IRON PIPE (DIP), 12 IN.	LF	340.00	\$ 137.50	\$46,750.00
0078	FITTINGS BY WEIGHT, DUCTILE IRON	LB	5156.00	\$ 9.35	\$48,208.60
0079	WATER SERVICE STUB, COPPER, 1 IN.	LF	200.00	\$ 27.50	\$5,500.00
0080	WATER SERVICE CURB STOP AND BOX, COPPER, 1 IN.	EACH	10.00	\$ 2,200.00	\$22,000.00
0081	DELIVER AND STOCKPILE SALVAGED MATERIALS	LS	1.00	\$ 5,500.00	\$5,500.00
0082	('EACH' ITEM) GRATE INTAKE - DROP IN INTAKE PROTECTION	EACH	7.00	\$ 330.00	\$2,310.00
0083	('EACH' ITEM) MAGNESIUM ANODE, 32-POUND	EACH	11.00	\$ 1,760.00	\$19,360.00
0084	('EACH' ITEM) REMOVAL OF EXISTING AND INSTALLATION OF NEW FIRE HYDRANT ASSEMBLY, WM-201	EACH	1.00	\$ 7,150.00	\$7,150.00
0085	('EACH' ITEM) SUBDRAIN CLEANOUT	EACH	5.00	\$ 660.00	\$3,300.00
0086	('EACH' ITEM) VALVE BOX ADJUSTMENT	EACH	11.00	\$ 220.00	\$2,420.00
0087	('EACH' ITEM) WATER SERVICE TRANSFER, 1 IN.	EACH	2.00	\$ 4,400.00	\$8,800.00
0088	('LINEAR FEET' ITEM) REMOVAL OF TROLLEY TRACKS	LF	2000.00	\$ 49.50	\$99,000.00
0089	('LUMP SUM' ITEM) CONCRETE WASHOUT	LS	1.00	\$ 5,500.00	\$5,500.00
0090	('LUMP SUM' ITEM) MAINTENANCE OF SOLID WASTE COLLECTION	LS	1.00	\$ 5,500.00	\$5,500.00
0091	('SQUARE FEET' ITEM) LIMESTONE RETAINING WALL	SF	270.00	\$ 88.00	\$23,760.00
0092	('SQUARE FEET' ITEM) TYPE A CONCRETE STEPS WITH HANDRAIL	SF	60.00	\$ 220.00	\$13,200.00
0093	('SQUARE FEET' ITEM) TYPE B CONCRETE STEPS WITH HANDRAIL	SF	60.00	\$ 330.00	\$19,800.00
0094	('SQUARE YARDS' ITEM) CEMENT TREATED SUBGRADE	SY	11080.00	\$ 16.50	\$182,820.00
0095	('SQUARE YARDS' ITEM) PERMEABLE PAVERS	SY	933.00	\$ 110.00	\$102,630.00
0096	('TONS' ITEM) FILTER AGGREGATE	TON	155.00	\$ 66.00	\$10,230.00
0097	('TONS' ITEM) STORAGE AGGREGATE	TON	820.00	\$ 66.00	\$54,120.00
0098	('TONS' ITEM) TEMPORARY SURFACING, RAP MILLINGS	TON	1000.00	\$ 55.00	\$55,000.00
0099	MULCHING	ACRE	4.00	\$ 2,750.00	\$11,000.00
0100	HYDRAULIC SEEDING	ACRE	4.00	\$ 5,500.00	\$22,000.00
0101	STABILIZING CROP - SEEDING AND FERTILIZING (URBAN)	ACRE	4.00	\$ 2,750.00	\$11,000.00
0102	TURF REINFORCEMENT MAT, TYPE 4	SQ	19.00	\$ 165.00	\$3,135.00
0103	SILT FENCE	LF	2000.00	\$ 3.30	\$6,600.00
0104	REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	LF	2000.00	\$ 0.55	\$1,100.00
0105	MAINTENANCE OF SILT FENCE OR SILT FENCE FOR DITCH CHECK	LF	500.00	\$ 0.28	\$140.00
0106	STABILIZED CONSTRUCTION ENTRANCE, EC-303	LF	100.00	\$ 165.00	\$16,500.00
0107	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA.	LF	6300.00	\$ 4.40	\$27,720.00
0108	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	LF	6300.00	\$ 0.55	\$3,465.00
0109	OPEN-THROAT CURB INTAKE SEDIMENT FILTER, EC-602	LF	104.00	\$ 27.50	\$2,860.00
0110	MAINTENANCE OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	13.00	\$ 110.00	\$1,430.00
0111	REMOVAL OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	13.00	\$ 55.00	\$715.00
0112	MOBILIZATIONS, EROSION CONTROL	EACH	10.00	\$ 550.00	\$5,500.00
0113	MOBILIZATIONS, EMERGENCY EROSION CONTROL	EACH	10.00	\$ 1,100.00	\$11,000.00

Prepared By: Christopher Kuhl

Checked By: \_\_\_\_\_

**TOTAL CONSTRUCTION COST** **\$3,620,000.00**