

DATE October 14, 2019

ORDERING CONSTRUCTION OF  
LEETOWN CREEKWAY BOX CULVERT FROM DEAN AVENUE TO U.P.R.R.  
AND FIXING A DATE FOR RECEIVING OF BIDS ON OCTOBER 29, 2019  
AND PUBLIC HEARING ON NOVEMBER 18, 2019  
ENGINEER'S ESTIMATE IS \$5,500,000.00

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:

Leetown Creekway Box Culvert from Dean Avenue to U.P.R.R., 08-2018-001

The improvement includes constructing new Reinforced Concrete Box (RCB) storm sewer sizes 4 feet x 4 feet, 6 feet x 6 feet, and 12 feet x 7 feet, Reinforced Concrete Pipe (RCP) storm sewer sizes 15-inches to 42-inches, trenchless installation of 84-inch steel casing pipe, precast manholes and intakes, Ductile Iron (DI) sanitary sewer sizes 6-inches to 12-inches, Poly Vinyl Chloride (PVC) storm sewer size 10-inch, PVC water service 4-inch, 6-inch and 10-inch Portland Cement Concrete (PCC) pavement, Hot-Mix Asphalt (HMA) paving, PCC curb and gutter, earthwork and grading, erosion control, fencing, and restoration and other associated and incidental items; all in accordance with contract documents, including Plan File Nos.613-001/033, located near E. 32nd Street from Dean Avenue to the Union Pacific Railroad, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$5,500,000.00. 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 November 18, 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 October 29, 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 October 29, 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

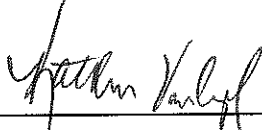
BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders for said improvement be posted, and Notice of Public Hearing for said improvement be published in the Des Moines Register, all as provided and directed by Chapter 26 and/or 314, Code of Iowa.


(City Council Communication Number 19-441 attached.)

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

FORM APPROVED:

FUNDS AVAILABLE

  
 \_\_\_\_\_  
 Kathleen Vanderpool  
 Deputy City Attorney

  
 \_\_\_\_\_  
 Robert L. Fagen  
 Des Moines Finance Director

**SLN** Funding Source: 2019-2020 CIP, Page Storm – 7, Easter Lake Watershed Improvements, SM061, Being: \$1,150,000 in SRF Sponsored Projects funding through Lower Oak Park and Highland Park Sewer Separation project (SRF# CS1920 781 01); combined \$936,480 in funding from a combination of Lake Restoration and 319 funding; and the remaining \$989,653.60 in Storm Water Utility Funds

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

MOTION CARRIED APPROVED

Mayor

I, Laura Baumgartner, Acting 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.

Acting City Clerk

7A

## CONSTRUCTION ESTIMATE

DEPARTMENT OF ENGINEERING  
CITY OF DES MOINES, IOWA

Activity ID 08-2018-001

Date: 9/24/2019

## PROJECT: LEETOWN CREEKWAY BOX CULVERT FROM DEAN AVE TO UPRR

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
1	*Traffic Control	LS	1	\$7,500.00	\$7,500.00
2	*Clearing & Grubbing	LS	1	\$75,000.00	\$75,000.00
3	*Excavation, Class 10	CY	4600	\$30.00	\$138,000.00
4	*Trench Foundation	TONS	1000	\$35.00	\$35,000.00
5	*PCC Pipe Encasement	LF	100	\$200.00	\$20,000.00
6	Ductile Iron (D.I.) Sanitary Sewer, 6"	LF	60	\$300.00	\$18,000.00
7	Ductile Iron (D.I.) Sanitary Sewer, 12"	LF	100	\$450.00	\$45,000.00
8	PVC Storm Sewer, 10"	LF	25	\$175.00	\$4,375.00
9	Reinforced Concrete Pipe (RCP), 15"	LF	26	\$250.00	\$6,500.00
10	Reinforced Concrete Pipe (RCP), 24"	LF	6	\$250.00	\$1,500.00
11	Reinforced Concrete Pipe (RCP), 36"	LF	5	\$300.00	\$1,500.00
12	Reinforced Concrete Pipe (RCP), 42"	LF	29	\$350.00	\$10,150.00
13	Steel Casing Pipe, 84" ID, 1.375" Min. Wall Thickness, Trenchless	LF	627	\$3,350.00	\$2,100,450.00
14	Reinforced Concrete Box (RCB) Culvert, 4'x4'	LF	617	\$525.00	\$323,925.00
15	Reinforced Concrete Box (RCB) Culvert, 6'x6'	LF	36	\$800.00	\$28,000.00
16	Reinforced Concrete Box (RCB) Culvert, 12'x7'	LF	623	\$1,400.00	\$872,200.00
17	Reinforced Concrete Box (RCB) Culvert, 4'x4', Haul & Install	LF	48	\$300.00	\$14,400.00
18	Reinforced Concrete Box (RCB) Culvert, 12'x7', Haul & Install	LF	42	\$900.00	\$37,800.00
19	RCB End Section, 4'x4'	EA	1	\$6,000.00	\$6,000.00
20	RCB End Section, 6'x6'	EA	1	\$8,000.00	\$8,000.00
21	RCB End Section, 12'x7'	EA	1	\$10,000.00	\$10,000.00
22	12'x7' RCB Connection Collar	EA	1	\$40,000.00	\$40,000.00
23	4'x4' RCB Connection Collar	EA	1	\$25,000.00	\$25,000.00
24	6'x6' RCB Plug	EA	1	\$5,000.00	\$5,000.00
25	*Culvert/Sewer Abandonment	CY	10	\$350.00	\$3,500.00
26	*Removal of Sewer, 6"	LF	60	\$15.00	\$900.00
27	*Removal of Sewer, 10"	LF	40	\$15.00	\$600.00
28	*Removal of Sewer, 12"	LF	100	\$15.00	\$1,500.00
29	*Removal of Sewer, 24"	LF	5	\$40.00	\$200.00
30	*Removal of Sewer, 42"	LF	20	\$40.00	\$800.00
31	*Removal of Concrete Box Culvert	LF	330	\$200.00	\$66,000.00
32	*Removal of Dean Avenue Tee Box Culvert	LF	30	\$500.00	\$15,000.00
33	*Removal of RCP Apron, 24"	EA	1	\$500.00	\$500.00
34	*Removal of RCP Apron, 42"	EA	1	\$500.00	\$500.00
35	Pipe Apron, 24" RCP	EA	1	\$2,500.00	\$2,500.00
36	Pipe Apron, 84" RCP	EA	6	\$7,500.00	\$45,000.00
37	Footing for 24" RCP Apron	EA	1	\$2,000.00	\$2,000.00
38	Footing for 84" RCP Apron	EA	6	\$5,000.00	\$30,000.00
39	Footing for 4'x4' RCB End Section	EA	1	\$3,000.00	\$3,000.00
40	Footing for 6'x6' RCB End Section	EA	1	\$4,000.00	\$4,000.00
41	Footing for 12'x7' RCB End Section	EA	1	\$5,000.00	\$5,000.00
42	Water Service, 4" C900, DR-14	LF	400	\$75.00	\$30,000.00
43	Gate Valve	EA	1	\$2,500.00	\$2,500.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
44	Meter Pit	LS	1	\$5,000.00	\$5,000.00
45	* Prepare Excavation for Tapping Sleeve & Valve	LS	1	\$7,500.00	\$7,500.00
46	Manhole, SW-405, Modified	EA	2	\$4,000.00	\$8,000.00
47	Intake, SW-511	EA	2	\$4,000.00	\$8,000.00
48	* Remove Manhole or Intake	EA	2	\$1,000.00	\$2,000.00
49	PCC Pavement, 10"	SY	360	\$100.00	\$36,000.00
50	PCC Curb and Gutter, 2.5' Wide, 6" Thick	LF	30	\$50.00	\$1,500.00
51	HMA Pavement	TON	40	\$200.00	\$8,000.00
52	PCC Sidewalk, 6"	SY	100	\$75.00	\$7,500.00
53	* Granular Surfacing, Class A Crushed Stone	TON	2000	\$30.00	\$60,000.00
54	* Pavement Removal	SY	600	\$15.00	\$9,000.00
55	* Railroad Bridge Removal	LS	1	\$30,000.00	\$30,000.00
56	* Railroad Track Removal	LF	75	\$30.00	\$2,250.00
57	* Railroad Track Removal & Salvage	LF	160	\$75.00	\$12,000.00
58	* Seeding, Fertilizing, Mulching for Hydraulic Seeding (Type 1)	ACRE	4	\$3,000.00	\$12,000.00
59	* Stormwater Pollution Prevention	LS	1	\$7,500.00	\$7,500.00
60	* Filter Socks	LF	1000	\$4.00	\$4,000.00
61	* Removal of Filter Socks	LF	1000	\$1.00	\$1,000.00
62	* Temporary Rolled Erosion Control Products (RECP), Type 4	SY	6500	\$3.00	\$19,500.00
63	* Rip Rap, Class E, Furnish and Install	TON	2500	\$60.00	\$150,000.00
64	* Rip Rap, Class E, Install Only	TON	700	\$35.00	\$24,500.00
65	* Grout	CY	250	\$200.00	\$50,000.00
66	* Stabilized Construction Entrance	TON	500	\$35.00	\$17,500.00
67	* Erosion Control Mulching, Bonded Fiber Matrix	ACRE	2	\$5,000.00	\$10,000.00
68	Revet Mattresses	CY	90	\$500.00	\$45,000.00
69	* Chain Link Fence, 96", Black Vinyl, 1.25" Mesh	LF	750	\$35.00	\$26,250.00
70	* Chain Link Fence, 96", Galvanized	LF	50	\$30.00	\$1,500.00
71	* Gate, Chain Link Fence, 96"	EA	2	\$1,500.00	\$3,000.00
72	* Barbed Wire, Angled Arm	LF	700	\$2.00	\$1,400.00
73	* Removal of Chain Link Fence	LF	750	\$4.00	\$3,000.00
74	Concrete Retaining Wall, 8"	CY	10	\$1,000.00	\$10,000.00
75	Concrete Steps	SF	100	\$200.00	\$20,000.00
76	Handrail	LF	40	\$200.00	\$8,000.00
77	* Tree Protection Fence	LF	1000	\$5.00	\$5,000.00
78	* Imported Granular Backfill	TONS	3500	\$35.00	\$122,500.00
79	* Railroad Provisions	LS	1	\$175,000.00	\$175,000.00
80	* Project Sign, Stormwater	EA	1	\$500.00	\$500.00
81	* Mobilization	LS	1	\$539,300.00	\$539,300.00
<b>TOTAL CONSTRUCTION COST</b>					<b>\$5,500,000.00</b>

Prepared By: Matt Radermacher

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

\* Item does not have to be included in 4-year maintenance bond, but shall be covered by a 1-year maintenance bond. \* Estimate Total= \$1,661,200.00