

DATE September 13, 2010

ORDERING CONSTRUCTION OF  
DEAN'S LAKE STORM SEWER CROSSING IMPROVEMENTS  
AND FIXING A DATE FOR RECEIVING OF BIDS ON OCTOBER 12, 2010  
AND PUBLIC HEARING ON OCTOBER 25, 2010  
ENGINEER'S ESTIMATE IS \$1,965,000.00

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 Jurisdictional Engineer, submitting plans, specifications, form of contract documents, and Jurisdictional Engineer's estimate of cost for the construction of the following improvement:

Dean's Lake Storm Sewer Crossing Improvements, 08-2009-005

The improvement includes construction of two 8' x 4' box culverts under existing streets, pavement removal and replacement, 54" and 60" storm sewer bored casing pipe under existing railroad tracks, replacement of existing pavement, sidewalks, intakes, storm sewer, and water mains in accordance with the contract documents, including Plan File Nos. 524-138/176 at the following locations: Norfolk Southern & BNSF Dean's Lake Crossing South of Maury Avenue, Maury Street Dean's Lake Crossing, Market Street Dean's Lake Crossing, Union Pacific Dean's Lake Crossing in the SE 1/4 of Section 2, Township 78 N, Range 24 W, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$1,965,000.00. The proposed plans, specifications, and form of contract documents are available for public inspection in the 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 Jurisdictional 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 Jurisdictional 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 October 25, 2010, 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 City Clerk until 11:00 a.m. on October 12, 2010, 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 Jurisdictional 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 12, 2010, after which the bids together with a bid tabulation and recommendation of the Jurisdictional Engineer will be presented to the City Council at its next meeting for action thereon.

★ **Roll Call Number**

Agenda Item Number

8D

DATE September 13, 2010

BE IT FURTHER RESOLVED: That the City Clerk is further directed to publish a Public Notice of Storm Water Discharge in the Des Moines Register and The Business Record as required by the Iowa Department of Natural Resources.

BE IT FURTHER RESOLVED: That the City Manager be and is hereby authorized and directed to certify the "Notice of Intent for NPDES Coverage under General Permit No. 2 for Storm Water Discharges associated with Industrial Activity for Construction Activities" on behalf of the City of Des Moines and submit said document to the Iowa Department of Natural Resources with appropriate application and permit fees.

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 10-549 attached.)

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

FORM APPROVED:




Kathleen Vanderpool  
Deputy City Attorney

FUNDS AVAILABLE



Allen McKinley  
Des Moines Finance Director

 Funding Source: 20010-2011 CIP, Page Storm-8, Dean's Lake Pump Station/Conveyance Improvements, STE080, Being: \$1,958,380 in Storm Water Utility Funds and \$6,620 from the Des Moines Water Works for 8" water main construction (Bid Item No 37 and 220 lbs of fittings under Bid Item No.39)

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GREISS				
HENSLEY				
MAHAFFEY				
MEYER				
MOORE				
TOTAL				

MOTION CARRIED APPROVED

\_\_\_\_\_  
Mayor

**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.

\_\_\_\_\_  
City Clerk

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# CONSTRUCTION ESTIMATE

DEPARTMENT OF ENGINEERING  
CITY OF DES MOINES, IOWA

Activity ID 08-2009-005  
IDOT PROJ NO.: None  
DATE: 10/24/09

## PROJECT: Dean's Lake Storm Sewer Crossing Improvements

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
1 *	Traffic Control	LS	1	\$59,539.70	\$59,539.70
2 *	Temporary Barrier Rail (Precast Concrete)	LF	837.5	\$20.00	\$16,750.00
3 *	Temporary Traffic Signals	LS	1	\$20,000.00	\$20,000.00
4 *	Temporary Pavement	SY	1802	\$50.00	\$90,100.00
5 *	Temporary Pavement Markings	STA	24.5	\$200.00	\$4,900.00
6 *	Railroad Protective Insurance - Union Pacific Railroad	LS	1	\$3,000.00	\$3,000.00
7 *	Railroad Protective Insurance - Burlington Northern Santa Fe Railroad	LS	1	\$3,000.00	\$3,000.00
8 *	Railroad Protective Insurance - Norfolk Southern Railroad	LS	1	\$3,000.00	\$3,000.00
9 *	Railroad Flaggers - Union Pacific Railroad	DAY	20	\$600.00	\$12,000.00
10 *	Railroad Flaggers - Burlington Northern Santa Fe Railroad	DAY	25	\$600.00	\$15,000.00
11 *	Railroad Flaggers - Norfolk Southern Railroad	DAY	25	\$600.00	\$15,000.00
12 *	Mobilization	LS	1	\$100,000.00	\$100,000.00
13 *	Construction Staking	LS	1	\$28,000.00	\$28,000.00
14 *	Project Sign, Small	EA	1	\$1,000.00	\$1,000.00
15 *	Clearing And Grubbing	LS	1	\$40,000.00	\$40,000.00
16 *	Topsoil Furnish	CY	400	\$20.00	\$8,000.00
17 *	Class 13 Excavation	CY	3750	\$10.00	\$37,500.00
18 *	Structure Removal	EA	1	\$1,000.00	\$1,000.00
19 *	Pavement Removal/Disposition	SY	3080	\$15.00	\$46,200.00
20 *	Sidewalk/Driveway Removal/Disposition	SY	44	\$10.00	\$440.00
21	Modified Subbase (6" Thickness)	SY	23	\$7.00	\$161.00
22	Modified Subbase (12" Thickness)	SY	1740	\$8.00	\$13,920.00
23 *	Pipe Removal, 24" CMP	LF	139	\$10.00	\$1,390.00
24 *	Pipe Removal, 24" RCP	LF	184	\$20.00	\$3,680.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
25 *	Pipe Removal, 36" RCP	LF	96	\$30.00	\$2,880.00
26	Select Clay Backfill	CY	800	\$15.00	\$12,000.00
27	Over-Excavation And Trench Stabilization	CY	200	\$20.00	\$4,000.00
28	Trench Bottom Stabilization Material	TON	370	\$35.00	\$12,950.00
29	Granular Bedding	TON	155	\$40.00	\$6,200.00
30 *	Sheet Pile (Temporary)	LS	1	\$60,000.00	\$60,000.00
31	Jacking Casing Pipe, 54" Steel Pipe	LF	372	\$1,800.00	\$669,600.00
32	Jacking Casing Pipe, 60" Steel Pipe	LF	90	\$2,000.00	\$180,000.00
33	Sewer, Storm, 24" Rcp Class IV	LF	125	\$60.00	\$7,500.00
34	Pipe Apron, 24" Fes With Apron Guard	EA	1	\$1,500.00	\$1,500.00
35	Precast Concrete Box Culvert, 8'X4'	LF	144	\$800.00	\$115,200.00
36	Precast Concrete Box Culvert End Section, 8'X4'	EA	2	\$6,600.00	\$13,200.00
37	Water Main, 8", PVC C900	LF	90	\$65.00	\$5,850.00
38	Water Main, 16", DIP W/ Restrained Joints And Nitrile Gaskets	LF	376	\$125.00	\$47,000.00
39	Fittings, Water Main	LBS	1830	\$3.50	\$6,405.00
40	Gate Valve, 16"	EA	1	\$5,000.00	\$5,000.00
41	Structural Concrete	CY	49.3	\$600.00	\$29,580.00
42	Reinforcing Steel	LBS	6258	\$0.85	\$5,319.30
43	Inlet Headwall Structure	EA	1	\$30,000.00	\$30,000.00
44	Trash Racks	EA	3	\$7,500.00	\$22,500.00
45	Manhole, Storm, 60" Dia Type M-A	EA	1	\$3,500.00	\$3,500.00
46	Intake, Double, M-D	EA	1	\$4,000.00	\$4,000.00
47	Intake, Double, M-E	EA	1	\$5,000.00	\$5,000.00
48	Intake, Single, M-G	EA	1	\$3,000.00	\$3,000.00
49	PCC Pavement, 10" Class C	SY	1035	\$50.00	\$51,750.00
50	PCC Pavement, 10" Class C Single Reinforced	SY	395	\$100.00	\$39,500.00
51	PCC Pavement, 6" Class C Reinforced	SY	69	\$50.00	\$3,450.00
52	Curb And Gutter, 30", Class C PCC	LF	355	\$30.00	\$10,650.00

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NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
53	Granular Surfacing Material	TON	1000	\$35.00	\$35,000.00
54	Granular Shoulder, Class D	TON	30	\$40.00	\$1,200.00
55	Sidewalk, 4" Class C	SY	38	\$35.00	\$1,330.00
56	PCC Flume, 6" Class C Reinforced	SY	23	\$50.00	\$1,150.00
57 *	Seeding, Type 1, Lawn Mixture	ACRE	1.5	\$1,500.00	\$2,250.00
58 *	Seeding, Type 2, Erosion Control Mix	ACRE	1.5	\$800.00	\$1,200.00
59 *	Silt Fence	LF	3000	\$3.50	\$10,500.00
60 *	Erosion Control	LS	1	\$10,000.00	\$10,000.00
61 *	Revetment Stone, Class D	TON	325	\$35.00	\$11,375.00
62	Fence, Chain Link, 4'	LF	100	\$20.00	\$2,000.00
63	Gate, Chain Link	EA	2	\$500.00	\$1,000.00
64	Concrete Steps	SF	118	\$35.00	\$4,130.00
65	Handrail	LF	55	\$50.00	\$2,750.00
Prepared By: <u>Tom Stovie of Howard R. Green</u>					
Checked By: <u>Bruce Rydberg</u>					
<b>TOTAL CONSTRUCTION COST</b>					<b>\$1,965,000.00</b>

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

\* Estimate Total= \$607,704.70