### WATER BOARD OF TRUSTEES

# Regular Meeting July 11, 2016 3:00 PM

Location: 1208 South St.

### **Agenda**

- 1. Oath of Office for newly appointed Board member Danny Nance.
- 2. Approve agenda.
- 3. Reorganization of the Board of Trustees.
- 4. Approve minutes of the June 20, 2016 regular meeting.
- 5. Approve invoices and financial statements.
- 6. Customer forum.
- 7. Discussion of wastewater operations.
  - A. Update on 28E agreement.
- 8. Consideration and discussion of pay application #1 for DeLong Construction.
- 9. Consideration and discussion of change order #1 for DeLong Construction.
- 10. Consideration and discussion of engineering services for K Avenue East and Sheriff Avenue water main replacement.
- 11. General Manager's Update.
- 12. Miscellaneous.
- 13. Adjourn.

### **INFORMATION CONCERNING AGENDA ITEMS:**

### Agenda Item #1

I will have the oath of office here for Danny at the meeting on Monday. The current chair will need to read it to Danny and have Danny repeat it. Danny will then need to sign the document. A copy will be made and inserted into the minutes and the original will go to City Hall.

### Agenda Item #3

This is the item that will determine who will be Chair and who will be Secretary. With the addition of two members it will change what has happened from previous years. There will need to be a nomination from one of the members for the position of Chair, a second, and then a vote unless there is more than one nomination for that position. The same will hold with the position of Secretary.

### Agenda Item #6

Chair – Please read this statement to the audience.

"This is the item reserved to receive comments from the community, our customers, for concerns whether or not they are included in the current agenda. The community is encouraged to come and speak before the Water Board of Trustees and asked to keep statements brief. Any questions are to be asked of the Water Department staff and Board of Trustee members prior to speaking to the full Board of Trustees so concerns may be properly researched and answered away from the meeting. Comments are to be directed to the Board of Trustees only."

There are no items at the time the agenda was prepared.

### Agenda Item #7

There was a meeting with Fox Engineering and the Iowa Department of Natural Resources staff on July in Des Moines to discuss treatment plant flows and loads with regard to the facility plan and the new NPDES permit. Fox presented data of what was being planned for future growth and how that would impact designs.

Staff has started the last round of additional nutrient sampling for the facility plan. This testing will last two weeks and is providing a valuable framework for Fox to understand what each plant is seeing for biological and chemical loading.

28E Update – See attached sheet.

### Agenda Item #8

DeLong Construction has submitted pay application #1 in the amount of \$154,579.20. When the 5% retainage is withheld, Garden is recommending a payment to DeLong in the amount of \$146,850.24. This withholds \$7,728.96 as per the agreement. Garden has reviewed the submittals and forwarded to the Board for action. I recommend approving the pay application in the amount of \$146.850.24.

### Agenda Item #9

DeLong Construction has submitted change order #1 in the amount of \$1000.00. This is to replace an old CMP culvert that was not salvageable. This item was located towards the bottom of the hill where one would turn in to the waste water treatment plant. I recommend approving the change order in the amount of \$1000.00.

### Agenda Item #10

The City is planning to replace both K Avenue East and Sheriff Avenue from North Market Street to North Street. As such we would like to replace the water main on both stretches of road. This was planned in our CIP and budgeted for \$90,000. These will both need to be engineered and sent to the IDNR for a construction permit. I have asked three firms for estimates on engineering. Garden estimates it will cost \$10,000 - \$11,000. V & K is estimating around \$6000. Fox has given me an estimate of \$2000 to design the work. Justin is working on estimates for materials. Given that we are only budgeting \$90,000 to complete both streets we will need to conserve as much as possible where we can. It is my recommendation to give this work to Fox for completion.

## Agenda Item #11

We have people who have started using the online payment option. Bills have gone out to all of our customers for monthly billing. Some of the local media have covered the story about the switch and it has generated a lot of interest and telephone calls. Front office staff have been busy processing payments and helping customers navigate the change.

I was recently approached by the Chamber Director about having the Utility join the Chamber. I have an email to our auditor asking whether or not we can expend monies for something of this nature. We can discuss this in more depth at the meeting.

The annual audit will begin the last week of July. Crystal has been finishing up year-end reports in preparation of the audit.

DeLong is continuing to install water main along Carbonado Road. They are behind according to updates that Garden & Associates have provided with relation to working days expended and work left to complete. The first set of bacterial testing failed and they will need to rechlorinate the pipe and re-test to ensure that it passes before they can go back and start hooking up services. Highway 23 water main is installed, and has passed all testing and is in use.

### Agenda Item #12

There have been 4 water main breaks this month; Avenue West and South L Street a hole in 6" pipe O Avenue East and North a crack in 6" pipe South Street a shear break on 4" pipe 1510 Carbonado Road a crack on 4" pipe

# Division of Responsibilities: 28E Agreement

		Ta	sk or Proje	ct Comple	ted	
Task or Project Description with Reference	Reference	Q1	Q2	Q3	Q4	Notes or Measurements
Standard Operating Procedures documented	Section 1.2					Initiate October 1, 2015
Preventative maintenance process control programs initiated	Section 1.2					Due April 01, 2016
Analysis of condition for all equipment completed	Section 1.2					Due April 01, 2016
Operations maintained within established budget parameters	Section 1.3					Note deviations or exceptions
Staffing adequate to meet 24/7 operations in place	Section 1.3					Note deviations or exceptions
Procurement policy is followed	Section 1.4					Note deviations or exceptions
Best practices perf. measures, resource sharing developed	Section 1.5					
NPDES permit maintained and required reports completed	Section 2.1(c)					
Monthly compensation for services reviewed	Section 4.2					Due quarterly
Personnel necessary to operate/maintain systems provided	Exhibit B-1					
Lift station maintenance		0	Х	Х	Х	
Utility locates		0	Х	Х	Х	
Plant Operations		0	X	X	X	
Lift Station Operations		0	X	X	X	
Personnel necessary to operate/maintain SBR provided	Exhibit B-2	0	X	X	X	If needed
Sampling and testing pursuant to NPDES permits completed	Exhibit B-4					ii needed
Serve as liaison between city, DNR and EPA	Exhibit B-5					
· · · · · · · · · · · · · · · · · · ·	Exhibit B-6	0	Х	Х	Х	
Sludge transfer and disposal completed	EXHIBIT R-0	0	X	0		
Vector control Preventative maintenance program implemented	Exhibit B-7	0	X	U	0	
Repairs to the collection system are coordinated	Exhibit B-8					
Manhole adjustment	EXHIDIT B-8	0	X	0	0	
Non-structure line sealing and point repair		0	0	0	0	
Manhole rehabilitation		0	0	0	0	
Structural line repairs		0	X	X	X	
Line replacements		0	0	0	0	
Utility locates completed for sewer and stormwater	Exhibit B-9	0	X	X	X	
Sewer taps inspected for interceptor line	Exhibit B-9	U	٨	^	^	
Sanitary sewer inspection and cleaning program developed	Exhibit B-10					
Line cleaning		0	Х	Х	Х	
Root cutting		0	X	X	X	
TV inspection		0	X	X	X	
Compilation of TV reports and rehabilitation projects		0	X	X	X	
Root foaming		0	0	0	0	
Respond to customer calls for blocked sanitary sewer lines	Exhibit B-10					
Emergency response	EXIIIDIT D 10	0	Х	Х	Х	
Overflow and complaint response investigation and reporting		0	0	0	0	
Cross connection investigation and response		0	0	0	0	
Root foaming		0	0	0	0	
Structural line repairs		0	Х	X	X	

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Line replacements		0	0	0	0	
Stormwater inspection and cleaning program developed	Exhibit B-11					Due October 01, 2020
Line cleaning	LAIIIDIC D 11	0	Х	Х	Х	Duc October 01, 2020
Root cutting		0	0	0	0	
Catch basin cleaning		0	X	X	X	
Structural line repairs		0	0	0	X	
Line replacements		0	0	0	0	
Respond to customer calls for blocked stormwater lines	Exhibit B-11	U		U		
Storm and emergency response	EXHIBIT D 11					
Complaint response investigation and reporting						
Implement manhole inspection and mapping program	Exhibit B-12					Due October 01, 2017
Manhole maintenance	LAIIIDIL D 12	0	0	0	0	Duc October 01, 2017
TV inspection		0	X	X	X	
Compilation of TV reports and system evaluation		0	X	X	X	
Maintain cleanliness of facilities and equipment	Exhibit B-13	U	٨	٨	^	
Mow grass and remove snow from all wastewater facilities	Exhibit B-13					
Detention pond maintenance	EXIIIDIT D-13	0	0	0	0	
Fat Oils and Grease (FOG) inspection program	Exhibit B-14	0	0	X	X	
Land application of sludge and reporting	Exhibit B-14	U	U	٨	^	Annual task
Report septage discharge report	Exhibit B-15					Alliludi task
Present septage discharge requests to city for approval	Exhibit B-16					
Secure and properly protect wastewater facilities  Provide monthly and annual performance reports to city	Exhibit B-17					
· · · · ·	Exhibit B-18					
Comply with all city, state and federal rules and regs.	Exhibit B-19					
Maintain professionalism with community groups	Exhibit B-20					
Coordinate with the city engineer and contractors on projects	Exhibit B-21	^	0	0	0	
I & I abatement and system rehabilitation projects		0	0	0	0	
Structural line repairs		0	Х	Х	Х	
Development process (development review, plan review)		0	0	0	0	
Inspection of developer projects		0	0	0	0	
Inspection of sanitary sewer (city projects)		0	0	Х	Х	
Inspection of storm water (city projects)		0	0	0	0	
Installation of lift station projects		0	0	0	0	
Create and maintain GIS information		0	0	0	0	
Create and maintain system mapping		0	Х	Х	Х	
Serve as liaison with industries, new or existing	Exhibit B-22					
Provide assistance with 5-year CIP and O&M budgeting	Exhibit B-23					
I & I abatement and system rehabilitation projects		0	0	0	0	
Structural line repairs		0	Х	Х	Х	
Accounting		0	Х	Х	Х	
Preparing and revising sanitary sewer master plans		0	0	0	0	
Preparing and revising storm water master plans		0	0	0	0	
Provide assistance with inflow and infiltration analysis and reduction	Exhibit B-23					
I & I abatement and system rehabilitation projects		0	0	0	0	

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Structural line repairs		0	Х	Χ	Χ	
Flow monitoring		0	Χ	Χ	Х	
Provide assistance with Industrial Pre-treatment investigation	Exhibit B-23					

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### Division of Responsibilities: Baseline

				Та	sk or Proje	ct Comple	ted	
Sanitary Sewer	City	OMWD	N/A	Q1	Q2	Q3	Q4	Notes or Measurements
Line cleaning	•	Х			Х	Х	Х	Contract as Needed
Root cutting		Х			Χ	Х	Х	Contract as Needed
Emergency response		Х			Х	Х	Х	
Overflow and complaint response investigation and reporting		Х						
Cross connection investigation and response		Х						
Manhole adjustment		Х			Χ			Contract as Needed
Non-structure line sealing and point repair		Х						Contract as Needed
Manhole rehabilitation		Х						Contract as Needed
TV inspection		Х			Χ	Х	Х	
Compilation of TV reports and rehabilitation projects		Х			Χ	Х	Х	
I & I abatement and system rehabilitation projects		Х						
Root foaming		Х						Contract as Needed
Structural line repairs		Х			Χ	Х	Х	Contract as Needed
Line replacements		Х						Contract as Needed
Lift station maintenance		Х			Х	Х	Х	Contract as Needed
Vector control		Х			Χ			
Fat, oil and grease program		Х				Х	Х	
Easement and access road maintenance		Х						
Utility locates	•	Х			Х	Х	Х	
Sludge Hauling	•	Х			Х	Х	Х	
Plant Operations	•	Х			Х	Х	Х	
Lift Station Operations		Х			Х	Х	Х	

				Ta	sk or Proje	ct Comple	ted	
Storm Water	City	OMWD	N/A	Q1	Q2	Q3	Q4	Notes or Measurements
Line cleaning		Χ			Х	Х	Х	Contract as Needed
Root cutting		Χ						Contract as Needed
Catch basin cleaning		Х			Х	Х	Х	
Manhole maintenance		Χ						Contract as Needed
Storm and emergency response		Х			Х	Х	Х	
Complaint response investigation and reporting		Х			Х	Х	Х	
Maintenance of public streams/creeks/open channels		Х						Contract as Needed
Processing and disposal of sweeper, catch basin and storm line								
material (excluding leaves)	Χ	Х			Х	Х	Х	
Structural line repairs		Х					Х	Contract as Needed
Line replacements		Х						Contract as Needed
Roadside ditches and piping system in County roads		Х						By Request or Agreement
TV inspection		Х			Х	Х	Х	
Compilation of TV reports and system evaluation		Х			Х	Х	Х	
Nuisance complaint mowing		Х					Х	
Detention pond maintenance		Х						
Proactive leaf management program	Х	Х						
Utility locates		Х			Х	Х	Х	

				Ta	sk or Proje	ct Comple	ted	7
Engineering, Inspection and Support Services	City	OMWD	N/A	Q1	Q2	Q3	Q4	Notes or Measurements
Development process (development review, plan review)	Х	Х						
Sanitary sewer connection permit issuance	Х							
Stormwater connection permit issuance	Х							
Billing and collection of monthly service charges		Х			Х	Х	Х	
Inspection of developer projects	Х	Х						
Inspection of sanitary sewer (city projects)	Х	Х				Х	Х	
Inspection of storm water (city projects)	Χ	Χ						
Installation of lift station projects	Х	Х						
Erosion control permit issuance XXXXXXXXXXXXXX	Х							
Erosion control inspection XXXXXXXXXXXXXX	Х	Х						
Accounting	Х	Х			Х	Х	Х	
Industrial waste program XXXXXXXXXXXXXXX		Х						
Create and maintain GIS information	Χ	Х						
Create and maintain system mapping	Χ	Χ			X	Х	X	
Maintaining engineering records of systems	Χ							
Preparing and revising sanitary sewer master plans	Χ	Х						
Preparing and revising storm water master plans	Χ	Χ						
Response to customer billing inquiries		Х			Х	Х	Х	
Public information, newsletters, etc. for sanitary sewer and storm		Х						
Flow monitoring		Х			Х	Х	Х	
Inspection of private facilities		Х			Х	Х	Х	
Utility Locates		Х			Х	Х	Х	
Fixture counting		Х						WHAT IS THIS FOR???
Vehicle maintenance	Χ	Х			Х	Х	X	
Field yard general maintenance		Χ			Х	Х	X	

# APPLICATION FOR PAYMENT NO. 1

To:	Oskaloosa Municipal Water Department	(JURISDICTION)
From:	DeLong Construction, Inc.	_ (CONTRACTOR)
Contract:	Carbonado Road Water Main Replacement - OMWD - Oskaloosa	, Iowa - 2016
Project:	Carbonado Road Water Main Replacement - OMWD - Oskaloosa	, Iowa - 2016
JURISDIC	CTION's Contract No.: ENGINEER's Project No.:	4015097
For Work	Accomplished Through the Date of: 30-Jun-16	
<ol> <li>Net C</li> <li>Curre</li> <li>Total</li> </ol>	nal Contract Price: Change by Change Orders and Written Amendments (+ or -): ont Contract Price (1 plus 2): Completed and Stored to Date: nage (Per Agreement): 5% of Completed Work:  \$ 7,728.96	\$ 401,305.00 \$ 1,000.00 \$ 402,305.00 \$ 154,579.20
7. Less	0% of Stored Material: Total Retainage: Completed and Stored to Date Less Retainage (4 minus 5): Previous Application for Payments: THIS APPLICATION (6 MINUS 7)	\$ 7,728.96 \$ 146,850.24 \$ - \$ 146,850.24
Accompa	nying Documentation:	
CONTRA	AĊTOR'S Certification:	
TION on CONTRA for Payme in said W time of pa a Bond ac encumbra Documen	rsigned CONTRACTOR certifies that (1) all previous progress pay account of Work done under the Contract referred to above have by ACTOR's legitimate obligations incurred in connection with Work ent numbered through inclusive; (2) title of all Work, materifork or otherwise listed in or covered by this Application of Payment free and clear of all Liens, security interests and encumbrate ceptable to JURISDICTION indemnifying JURISDICTION again ance); and (3) all Work covered by this Application for Payment is and not defective.	een applied on account to discharge covered by prior Applications als and equipment incorporated in will pass to JURISDICTION at acces (except such as are covered by st any such Lien, security interest or in accordance with the Contract
Payment	of the above AMOUNT DUE THIS APPLICATION is requested.	
Dated:	DeLong  By:  Of the above AMOUNT DUE THIS APPLICATION is recommen	Construction Inc.
•		
Dated:	7-7-2016 Garden By:	& Associates, LTD. (ENGINEER)
Payment	of the above AMOUNT DUE THIS APPLICATION is approved	
Dated:	Oskaloosa Mu	nicipal Water Department
	By:	(JURISDICTION)

# Attachment to Pay Application No. 1 Carbonado Road Water Main Replacement Oskaloosa Municipal Water Department Oskaloosa, Iowa - 2016

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\$154,579.20		\$402,305.00				TOTAL BASE BID
\$1,000.00	1.00	\$1,000.00	\$1,000.00	_	LS	Change Order No.1
\$2,500.00	0.50	\$5,000.00	\$5,000.00	)ment	LS	34 Traffic Control
\$500.00	20.00	\$1,000.00	\$25.00	40	F	33 Removal and Reinstallation of Existing Fence, Field Fence
\$120.00	2.00	\$360.00	\$60.00	6	EA	
\$1,750.00	0.50	\$3,500.00	\$3,500.00	_	LS	
\$650.00	0.50	\$1,300.00	\$1,300.00	_	LS	
\$0.00		\$8,500.00	\$8,500.00	-	ST	
\$540.00	90.00	\$1,020.00	\$6.00	170	SY	
\$0.00		\$1,575.00	\$35.00	45	TON	
\$0.00		\$14,110.00	\$83.00	170	SY	
\$600.00	25.00	\$2,640.00	\$24.00	110	TON	25 Driveway, Granular, 6" Thick
\$2,997.00	37.00	\$2,997.00	\$81.00	37	SY	
\$800.00	16.00	\$14,100.00	\$50.00	282	SΥ	
\$0.00		\$200.00	\$200.00	<b>)</b>	SY	٠-
\$457.20	38.10	\$3,768.00	\$12.00	314	SY	
\$0.00		\$200.00	\$200.00	pamé	SY	20 Removal of Sidewalk
\$0.00		\$2,500.00	\$500.00	5	ΕA	
\$750.00	1.00	\$750.00	\$750.00	<b>3</b>	LS	18 Water Main Connection - Connection No. 3
)   		\$2,500.00	\$2,500.00	)-u-i	LS	
		\$2,000.00	\$2,000.00		LS	
		\$2,000.00	\$400.00	5	ΕA	15 Existing Fire Hydrant Removal
\$6,400.00	4.00	\$12,800.00	\$1,600.00	∞	ΕA	14 Fire Hydrant Assembly, Install Only
\$3,000.00	1.00	\$3,000.00	\$3,000.00	_	ΕA	13 Tapping Valve Assembly, 8" x 8"
\$6,600.00	11.00	\$10,200.00	\$600.00	17	ΕA	•
		\$70,200.00	\$2,700.00	26	ΕA	
		\$43,500.00	\$1,500.00	29	ΕA	10 Water Service Stub, Copper, 1"
\$15,200.00	80.00	\$15,200.00	\$190.00	80	LF	9 Steel Casing, 16"
\$13,160.00	329.00	\$14,600.00	\$40.00	365	뜌	8 Water Main Trenchless, PVC, 8"
\$87,625.00	3505.00	\$138,375.00	\$25.00	5,535	LF	7 Water Main Trenched, PVC, 8"
		\$800.00	\$200.00	4	LF	6 Water Main Trenched, PVC, 4"
		\$1,500.00	\$75.00	20	LF	5 Sanitary Sewer Service, 4" PVC C900, DR18
\$3,080.00	0.50	\$6,160.00	\$6,160.00	_	LS	4 Trench Compaction Testing - Water Main
		\$1,250.00	\$25.00	50	NOT	3 Trench Foundation
\$1,850.00	0.50	\$3,700.00	\$3,700.00	<b> </b>	LS	2 Clearing and Grubbing
\$5,000.00	0.50	\$10,000.00	\$10,000.00	hond	LS	1 Mobilization
						Base Bid
Price	to Date	Price	Price	Quantity	Unit	No. Item
Payment	Quantity	Extended	Unit	Estimated		
						G&A 4015097

# CHANGE ORDER

		No. <u>1</u>
DATE OF ISSUANCE 30-Jun-16	EFFECTIVE DATE _	30-Jun-16
JURISDICTION Oskaloosa Municipal Water Dep CONTRACTOR DeLong Construction, Inc.	artment	
Contract: Carbonado Road Water Main Replacement - Ol Project: Carbonado Road Water Main Replacement - Ol JURISDICTION's Contract No. E	MWD - Oskaloosa, Iowa - 2016	4015097
You are directed to make the following changes in the Contract Description: Culvert Replacement Reason for Change Order: Existing culvert was badly corr Attachments: (List documents supporting change)	Documents: roded and fell apart during attem	pt to tunnel under.
CHANGE IN CONTRACT PRICE:	CHANGE IN CO	NTRACT TIMES:
Original Contract Price:  \$401,305.00	Original Contract Times: Substantial Completion: Ready for final payment:	(days or dates)
Net Increase (Decrease) from previous Change Orders No to:  \$	Net change from previous C No. : Substantial Completion: Ready for final payment:	hange Orders No to
Contract Price prior to this Change Order:  \$401,305.00	Contract Times prior to this Substantial Completion: Ready for final payment:	Change Order:(days or dates)
Net Increase ( <del>Decrease</del> ) of this Change Order:  \$1,000.00	Net Increase (Decrease) this Substantial Completion: Ready for final payment:	Change Order: (days)
Contract Price with all approved Change Orders:  \$402,305.00	Contract Times with all app Substantial Completion: Ready for final payment:	roved Change Orders:  (days or dates)
RECOMMENDED:  By: Out Oos By:	Ву;/	CEPTED:  CONTRACTOR(Authorized Signature

EJCDC 1910-8-B (1996 Edition)

Prepared by the Engineers Joint Contract Documents Committee and endorsed by The Associated General Contractor of America and the Construction Specifications Institute.